
MINERAL INDUSTRIES.

MINERAL INDUSTRIES.

TOTAL VALUE OF THE MINERAL PRODUCTS OF THE UNITED STATES, BY STATES AND TERRITORIES, FOR THE YEAR 1889.

| | | | |
|---------------------------|-----------------|---|----------------|
| Total..... | \$587, 230, 662 | | |
| Alabama..... | 9, 828, 369 | Nevada..... | \$10, 143, 874 |
| Alaska..... | 926, 568 | New Hampshire..... | 920, 164 |
| Arizona..... | 7, 248, 717 | New Jersey..... | 8, 275, 936 |
| Arkansas..... | 567, 683 | New Mexico..... | 4, 611, 761 |
| California..... | 19, 699, 354 | New York..... | 24, 165, 206 |
| Colorado..... | 41, 126, 610 | North Carolina..... | 451, 625 |
| Connecticut..... | 3, 090, 161 | North Dakota..... | 61, 431 |
| Delaware..... | 506, 754 | Ohio..... | 26, 653, 439 |
| District of Columbia..... | 40, 000 | Oregon..... | 1, 238, 114 |
| Florida..... | 138, 728 | Pennsylvania..... | 150, 876, 649 |
| Georgia..... | 2, 988, 935 | Rhode Island..... | 987, 055 |
| Idaho..... | 8, 385, 233 | South Carolina..... | 3, 022, 285 |
| Illinois..... | 17, 110, 317 | South Dakota..... | 3, 685, 862 |
| Indiana..... | 9, 704, 949 | Tennessee..... | 6, 455, 283 |
| Indian territory..... | 1, 333, 807 | Texas..... | 1, 985, 679 |
| Iowa..... | 10, 267, 068 | Utah..... | 11, 681, 019 |
| Kansas..... | 5, 935, 981 | Vermont..... | 5, 674, 022 |
| Kentucky..... | 4, 711, 944 | Virginia..... | 6, 023, 076 |
| Louisiana..... | 480, 000 | Washington..... | 2, 998, 355 |
| Maine..... | 8, 126, 493 | West Virginia..... | 6, 969, 804 |
| Maryland..... | 5, 089, 447 | Wisconsin..... | 10, 183, 861 |
| Massachusetts..... | 3, 700, 634 | Wyoming..... | 1, 810, 515 |
| Michigan..... | 70, 880, 524 | Mexican lead smelted in the United States..... | 2, 343, 474 |
| Minnesota..... | 11, 542, 138 | Undistributed copper..... | 389, 273 |
| Mississippi..... | 41, 174 | Nickel in imported Canadian matte..... | 21, 000 |
| Missouri..... | 15, 931, 575 | Copper from imported pyrites..... | 603, 940 |
| Montana..... | 33, 737, 775 | Fuel displaced by natural gas used at pipe lines for drilling and pumping wells and for other uses..... | 1, 600, 000 |
| Nebraska..... | 257, 019 | | |

VALUE OF PRODUCTION, SUM OF OPERATING EXPENSES, WITH AMOUNT OF CAPITAL INVESTED IN THE PRINCIPAL MINERAL INDUSTRIES OF THE UNITED STATES, FOR THE YEAR 1889.

| PRODUCTS. | Value of production. | Operating expenses. | Capital invested. |
|-------------------------------|----------------------|---------------------|-------------------|
| Metallic: | | | |
| Iron ore..... | \$33,351,978 | \$24,781,658 | \$109,766,199 |
| Gold and silver..... | 90,283,732 | 63,451,236 | 486,323,338 |
| Copper..... | 26,907,809 | 12,062,180 | 62,623,228 |
| Quicksilver..... | 1,190,500 | 881,401 | 21,333,114 |
| Nickel and cobalt..... | 640,000 | 126,187 | 279,000 |
| Nonmetallic: | | | |
| Manganese ore..... | 240,559 | 123,958 | 2,188,050 |
| Coal, bituminous..... | 94,346,809 | 85,324,193 | 180,722,319 |
| Coal, anthracite..... | 65,879,514 | 61,212,087 | 162,035,610 |
| Petroleum..... | 26,963,340 | 8,540,900 | 114,157,370 |
| Natural gas..... | e11,044,858 | 14,920,886 | 59,082,154 |
| Asphaltum..... | 171,537 | 98,337 | 2,651,500 |
| Stone quarries, building..... | d53,035,020 | 40,772,803 | 90,212,433 |
| Phosphate rock..... | 2,937,776 | 1,985,511 | 6,131,718 |
| Gypsum..... | 764,118 | 433,347 | 2,473,175 |
| Infusorial earth..... | 23,372 | 16,678 | 110,750 |
| Corundum..... | 105,565 | 57,105 | 73,400 |
| Millstones..... | 35,155 | 21,384 | 54,945 |
| Whetstones..... | 32,980 | 23,804 | 57,510 |
| Mica..... | e52,450 | 58,335 | 691,550 |
| Asbestos..... | 1,800 | 3,225 | 42,600 |
| Graphite..... | f72,662 | 54,741 | 259,475 |
| Soapstone..... | 231,708 | 163,438 | 924,900 |
| Barytes..... | 106,313 | 64,807 | 351,150 |
| Ocher..... | 177,472 | 86,247 | 386,453 |
| Metallic paint..... | 286,294 | 163,787 | 462,164 |
| Fluorspar..... | 45,835 | 22,246 | 102,000 |
| Sulphur..... | 7,850 | 4,110 | 320,750 |
| Pyrites..... | 202,119 | 163,256 | 1,358,382 |
| Mineral waters..... | 1,748,458 | 1,108,751 | 5,404,633 |

a Estimated.

b Matte at the mines.

c Amount received by producers. Value of coal and wood displaced by use, \$21,097,009.

d Including value of stone used for lime, \$8,217,015; for iron flux, \$1,569,312; for grindstones, \$439,587.

e Including scraps, \$2,450.

f Value of the crude product.

MINERAL INDUSTRIES.

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MINERAL PRODUCTS OF THE UNITED STATES FOR THE CALENDAR YEARS 1880 AND 1889. (a)

| PRODUCTS. | 1889 | | 1880 | |
|--|---------------|-----------------|--------------|-----------------|
| | Quantity. | Value. | Quantity. | Value. |
| Grand total..... | | \$587, 230, 662 | | \$369, 319, 000 |
| Total value of metallic products..... | | 269, 500, 487 | | 100, 039, 865 |
| Total value of nonmetallic mineral products..... | | 307, 640, 175 | | 173, 279, 135 |
| Total value of mineral products unspecified..... | | 10, 000, 000 | | 6, 000, 000 |
| Metallic: | | | | |
| Pig iron, value at Philadelphia, long tons..... | 7, 603, 642 | 120, 000, 000 | 3, 375, 912 | 89, 315, 569 |
| Silver, coining value, troy ounces (b)..... | 51, 354, 851 | 66, 300, 988 | 30, 320, 000 | 39, 200, 000 |
| Gold, coining value, troy ounces (c)..... | 1, 590, 869 | 32, 886, 744 | 1, 741, 500 | 36, 000, 000 |
| Copper, value at New York city, pounds (d)..... | 231, 246, 214 | 26, 907, 809 | 60, 480, 000 | 11, 491, 200 |
| Lead, value at New York city, short tons..... | 182, 967 | 16, 137, 680 | 97, 825 | 9, 782, 500 |
| Zinc, value at New York city, short tons..... | 58, 860 | 5, 791, 824 | 23, 239 | 2, 277, 432 |
| Quicksilver, value at San Francisco, flasks (e)..... | 26, 484 | 1, 100, 500 | 50, 926 | 1, 797, 780 |
| Nickel, value at Philadelphia, pounds (f)..... | 252, 663 | 151, 598 | 320, 968 | 164, 984 |
| Aluminum, value at Pittsburg, pounds..... | 47, 468 | 97, 335 | (g) | |
| Antimony, value at San Francisco, short tons (h)..... | 115 | 28, 000 | 50 | 10, 000 |
| Platinum, value (crude) at San Francisco, troy ounces..... | 500 | 2, 000 | 100 | 400 |
| Nonmetallic (spot values): | | | | |
| Bituminous coal, long tons..... | 85, 383, 059 | 94, 346, 809 | 38, 242, 641 | 53, 143, 718 |
| Pennsylvania anthracite, long tons (i)..... | 40, 714, 721 | 65, 879, 514 | 25, 580, 189 | 42, 190, 678 |
| Building stone..... | | 42, 800, 706 | | 718, 350, 655 |
| Petroleum, barrels (k)..... | 35, 163, 513 | 26, 968, 340 | 20, 286, 123 | 24, 183, 233 |
| Lime, barrels (l)..... | 68, 474, 668 | 33, 217, 015 | 28, 000, 000 | 19, 000, 000 |
| Natural gas..... | | 21, 007, 099 | | (g) |
| Cement, barrels (m)..... | 7, 000, 000 | 5, 000, 000 | 2, 072, 943 | 1, 852, 707 |
| Salt, barrels (n)..... | 8, 005, 565 | 4, 105, 412 | 5, 961, 069 | 4, 823, 566 |
| Limestone for iron flux, long tons..... | 6, 318, 000 | 3, 159, 000 | 4, 500, 000 | 3, 800, 000 |
| Phosphate rock, long tons (o)..... | 550, 245 | 2, 937, 776 | 211, 377 | 1, 123, 823 |
| Mineral waters, gallons sold..... | 12, 780, 471 | 1, 748, 458 | 2, 000, 000 | 500, 000 |
| Zinc white, short tons..... | 16, 970 | 1, 367, 609 | 10, 107 | 783, 738 |
| Gypsum, short tons..... | 267, 769 | 764, 118 | 90, 000 | 490, 000 |
| Borax, pounds..... | 8, 000, 000 | 500, 000 | 3, 692, 443 | 277, 233 |
| Mineral paints, long tons (p)..... | 32, 307 | 403, 766 | 3, 694 | 135, 840 |
| Manganese ore, long tons..... | 24, 197 | 240, 559 | 5, 761 | 80, 415 |
| Asphaltum, short tons..... | 51, 735 | 171, 537 | 444 | 4, 440 |
| Pyrites, long tons..... | 93, 705 | 202, 119 | 2, 000 | 5, 000 |
| Crude barytes, long tons..... | 19, 161 | 106, 313 | 20, 000 | 80, 000 |
| Bromine, pounds..... | 418, 891 | 125, 067 | 404, 000 | 114, 752 |
| Corundum, short tons..... | 2, 245 | 105, 565 | 1, 044 | 20, 280 |
| Marls, short tons..... | 156, 265 | 63, 956 | 1, 000, 000 | 500, 000 |
| Precious stones..... | | 188, 807 | | 50, 000 |
| Gold quartz, souvenirs, jewelry, etc..... | | | | 50, 000 |
| Flint, long tons..... | 11, 113 | 49, 137 | 20, 000 | 80, 000 |
| Fluorspar, short tons..... | 9, 500 | 45, 835 | 4, 000 | 16, 000 |
| Graphite, pounds..... | | 72, 602 | | 710, 800 |
| Novaculite..... | | 32, 080 | | 8, 000 |
| Feldspar, long tons..... | 5, 982, 000 | 30, 370 | 420, 000 | 60, 000 |
| Chromic iron ore, long tons..... | 6, 970 | 30, 370 | 12, 500 | 60, 000 |
| | 2, 000 | 30, 000 | 2, 288 | 27, 808 |
| Mica, pounds..... | 49, 500 | 50, 000 | 81, 669 | 127, 825 |
| Slate ground as a pigment, long tons..... | 2, 000 | 20, 000 | 1, 000 | 10, 000 |
| Cobalt oxide, pounds..... | 13, 955 | 31, 092 | 7, 251 | 24, 000 |
| Sulphur, short tons..... | 1, 150 | 7, 850 | 600 | 21, 000 |
| Rutile, pounds..... | 1, 000 | 3, 000 | 100 | 400 |
| Asbestos, short tons..... | 30 | 1, 800 | 150 | 4, 312 |
| Potters' clay, long tons..... | 294, 344 | 685, 578 | 20, 783 | 99, 457 |
| Grindstones..... | | 439, 587 | | 500, 000 |
| Millstones..... | | 35, 155 | | 200, 000 |
| Ozocerite, refined, pounds..... | 50, 000 | 2, 500 | | |
| Infusorial earth, short tons..... | 3, 466 | 23, 372 | 1, 839 | 45, 000 |
| Soapstone, short tons..... | 12, 715 | 291, 708 | 8, 441 | 66, 665 |
| Fibrous talc, short tons..... | 29, 746 | 244, 170 | 4, 210 | 54, 739 |
| Lithographic stone, short tons..... | 18 | 243 | | |

a The statistics for 1880 are mainly revisions of the results of the Tenth Census. The statistics of lime, salt, cement, slate ground as a pigment, and rutile in 1889 are estimates by D. T. Day.

b \$1.2929 per troy ounce.

c \$20.6718 per troy ounce.

d Including copper made from imported pyrites.

e Of 76.5 avoirdupois pounds net.

f Including nickel in copper-nickel alloy and in exported ore and matte.

g None reported.

h Part of the antimony in 1889 was valued at Philadelphia.

i This includes all anthracite.

j Not including lime in barrels, limestone for iron flux, or grindstones.

k Of 42 gallons.

l Of 200 pounds.

m Of 300 pounds for natural cement and 400 pounds for artificial Portland.

n Of 280 pounds net.

o Except for 1889 this represents only the South Carolina product.

p Ocher and metallic paint.

q Value of the crude product.

MINERAL PRODUCTION OF THE UNITED STATES, PERCENTAGE INCREASE OR DECREASE OF 1889 FROM 1880.

| PRODUCTS. | Increase in quantity. | Percentage of increase. | Decrease in quantity. | Percentage of decrease. | Increase in value. | Percentage of increase. | Decrease in value. | Percentage of decrease. |
|--|-----------------------|-------------------------|-----------------------|-------------------------|--------------------|-------------------------|--------------------|-------------------------|
| Metallic: | | | | | | | | |
| Pig iron, value at Philadelphia, long tons. | 4,227,730 | 125.23 | | | \$30,684,431 | 34.36 | | |
| Silver, coining value, troy ounces (a) | 21,034,851 | 69.38 | | | 27,196,988 | 69.38 | | |
| Gold, coining value, troy ounces (b) | | | 150,631 | 8.65 | | | \$3,113,256 | 8.65 |
| Copper, value at New York city, pounds. (c) | 170,766,214 | 282.35 | | | 15,416,609 | 134.16 | | |
| Lead, value at New York city, short tons. | 85,142 | 87.04 | | | 6,355,189 | 64.06 | | |
| Zinc, value at New York city, short tons. | 35,621 | 153.28 | | | 3,514,392 | 154.31 | | |
| Quicksilver, value at San Francisco, flasks. (d) | | | 33,442 | 55.81 | | | 607,280 | 33.78 |
| Nickel, value at Philadelphia, pds. (e) | | | 77,305 | 23.43 | | | 13,386 | 8.11 |
| Aluminum, value at Pittsburg, pds. | 47,468 | | | | 97,335 | | | |
| Antimony, value at San Francisco, short tons. (f) | 65 | 130.00 | | | 18,000 | 180.00 | | |
| Platinum, value (crude) at San Francisco, troy ounces. | 400 | 400.00 | | | 1,600 | 400.00 | | |
| Nonmetallic (spot values): | | | | | | | | |
| Bituminous coal, long tons (g) | 47,140,418 | 123.27 | | | 40,903,091 | 76.53 | | |
| Pennsylvania anthracite, long tons. (h) | 15,134,532 | 59.17 | | | 23,682,836 | 56.12 | | |
| Building stone | | | | | 24,453,651 | 133.22 | | |
| Petroleum, barrels (i) | 8,877,390 | 33.77 | | | 2,780,107 | 11.50 | | |
| Lime, barrels (j) | 40,474,668 | 144.55 | | | 14,217,015 | 74.83 | | |
| Natural gas | | | | | 21,007,099 | | | |
| Cement, barrels (k) | 4,927,057 | 237.68 | | | 3,147,293 | 169.88 | | |
| Salt, barrels (l) | 2,044,505 | 34.30 | | | | | 634,154 | 13.13 |
| Limestone for iron flux, long tons | 1,818,000 | 40.40 | | | | | 641,000 | 16.87 |
| Phosphate rock, long tons (m) | 338,868 | 160.31 | | | 1,813,953 | 161.41 | | |
| Mineral waters, gallons sold | 10,780,471 | 539.02 | | | 1,248,458 | 240.69 | | |
| Zinc white, short tons | 6,863 | 67.90 | | | 593,862 | 77.76 | | |
| Gypsum, short tons | 177,769 | 197.52 | | | 364,118 | 91.03 | | |
| Borax, pounds | 4,307,557 | 116.66 | | | 222,767 | 80.35 | | |
| Mineral paints, long tons (n) | 28,703 | 796.42 | | | 327,926 | 241.41 | | |
| Manganese ore, long tons | 18,436 | 320.01 | | | 154,144 | 178.38 | | |
| Asphaltum, short tons | 51,291 | 11,552.03 | | | 167,097 | 3,763.45 | | |
| Pyrites, long tons | 91,705 | 4,585.25 | | | 197,119 | 3,942.38 | | |
| Crude barytes, long tons | | | 830 | 4.20 | 26,313 | 32.89 | | |
| Bromine, pounds | 14,201 | 3.51 | | | 10,915 | 9.51 | | |
| Corundum, short tons | 1,201 | 115.04 | | | 76,285 | 260.54 | | |
| Marls, short tons (o) | | | 843,735 | 84.37 | | | 436,044 | 87.21 |
| Precious stones, gold quartz, souvenirs, jewelry, etc. | | | | | 88,807 | 88.81 | | |
| Flint, long tons | | | 8,887 | 44.44 | | | 30,863 | 38.58 |
| Fluorspar, short tons | 5,500 | 137.50 | | | 29,835 | 186.47 | | |
| Graphite, pounds | | | | | 22,862 | 45.91 | | |
| Novaculite, pounds | 5,562,000 | 1,324.29 | | | 24,980 | 312.25 | | |
| Feldspar, long tons | | | 5,530 | 44.24 | | | 20,630 | 34.38 |
| Chromic iron ore, long tons | | | 288 | 12.59 | | | | |
| Mica, pounds | | | 32,169 | 39.39 | | | 77,825 | 60.88 |
| Slate ground as pigment, long tons | 1,000 | 100.00 | | | 10,000 | 100.00 | | |
| Cobalt oxide, pounds (p) | 6,704 | 92.46 | | | 7,092 | 29.55 | | |
| Sulphur, short tons | 550 | 91.67 | | | | | 13,150 | 62.62 |
| Rutile, pounds | 900 | 900.00 | | | 2,600 | 650.00 | | |
| Asbestos, short tons | | | 120 | 80.00 | | | 2,512 | 58.26 |
| Potters' clay, long tons | 273,561 | 1,316.27 | | | 436,121 | 217.06 | | |
| Grindstones | | | | | | | 60,413 | 12.08 |
| Millstones | | | | | | | 164,845 | 82.42 |
| Ozocerite, refined, pounds | 50,000 | | | | 2,500 | | | |
| Infusorial earth, short tons | 1,633 | 89.09 | | | | | 22,288 | 48.81 |
| Soapstone, short tons | 4,274 | 50.63 | | | 165,043 | 247.57 | | |
| Fibrous talc | 19,536 | 464.04 | | | 189,440 | 346.14 | | |
| Lithographic stone, short tons | 18 | | | | 243 | | | |

a \$1.2929 per troy ounce.

b \$20.6718 per troy ounce.

c Including copper made from imported pyrites.

d Of 76.5 avoirdupois pounds net.

e Including nickel in copper-nickel alloy and in exported ore and matte.

f Part of the antimony for 1889 was valued at Philadelphia.

g Not including brown coal and lignite mined elsewhere than in Pennsylvania.

h For 1880 and 1889 this includes all anthracite.

i Of 42 gallons.

j Of 200 pounds.

k Of 300 pounds for natural cement and 400 pounds for artificial Portland.

l Of 280 pounds net.

m Except for 1880 this represents only the South Carolina product.

n Other and metallic paint.

o Except for 1880 this includes only New Jersey marls.

p Including cobalt oxide in exported ore and matte.

IRON ORES.

PRODUCT AND VALUE OF IRON ORE IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Number of mines reporting. | Number of mines producing. | Amount produced. (Long tons.) | Stock on hand January 1, 1889. (Long tons.) | Stock on hand January 1, 1890. (Long tons.) | Total value of production. | Value per ton. | Total shipments. (Long tons.) | Total value of shipments. |
|---|----------------------------|----------------------------|-------------------------------|---|---|----------------------------|----------------|-------------------------------|---------------------------|
| Total | 685 | 592 | 14,518,041 | 1,966,824 | 2,256,973 | \$33,351,978 | \$2.30 | 14,227,892 | \$32,766,506 |
| Alabama | 48 | 45 | 1,570,319 | 61,125 | 104,462 | 1,511,611 | 0.96 | 1,526,982 | 1,457,314 |
| Colorado | 19 | 18 | 109,136 | 1,628 | 7,193 | 487,433 | 4.47 | 193,571 | 460,546 |
| Connecticut, Maine, and Massachusetts | 11 | 7 | 88,251 | 22,279 | 18,723 | 265,901 | 3.01 | 91,897 | 278,888 |
| Delaware and Maryland | 16 | 14 | 29,380 | 7,298 | 14,476 | 68,240 | 2.32 | 22,202 | 54,469 |
| Georgia and North Carolina | 20 | 17 | 258,145 | 19,443 | 32,148 | 334,025 | 1.29 | 245,440 | 317,372 |
| Idaho and Montana | 9 | 7 | 24,072 | 1,893 | 4,216 | 158,974 | 6.60 | 21,749 | 140,617 |
| Kentucky | 6 | 4 | 77,487 | 17,290 | 16,491 | 135,553 | 1.75 | 78,286 | 133,885 |
| Michigan | 99 | 78 | 5,856,169 | 803,700 | 903,499 | 15,890,521 | 2.70 | 5,750,370 | 15,588,360 |
| Minnesota | 4 | 4 | 864,508 | 273,395 | 278,936 | 2,476,041 | 2.87 | 858,007 | 2,461,419 |
| Missouri | 8 | 8 | 265,718 | 251,091 | 291,790 | 561,041 | 2.11 | 235,019 | 470,457 |
| New Jersey | 32 | 24 | 415,510 | 98,249 | 94,890 | 1,341,543 | 3.23 | 418,869 | 1,352,509 |
| New Mexico and Utah | 3 | 2 | 36,050 | 500 | 1,000 | 70,956 | 1.97 | 35,550 | 69,956 |
| New York | 42 | 35 | 1,247,537 | 158,223 | 185,890 | 3,100,216 | 2.49 | 1,219,870 | 3,028,076 |
| Ohio | 74 | 70 | 254,294 | 58,209 | 71,053 | 532,725 | 2.09 | 241,420 | 515,148 |
| Oregon and Washington | 3 | 3 | 26,283 | 3,575 | 2,740 | 39,234 | 1.49 | 27,118 | 40,380 |
| Pennsylvania | 198 | 189 | 1,560,234 | 82,322 | 91,989 | 3,063,534 | 1.96 | 1,550,567 | 3,045,100 |
| Tennessee | 19 | 16 | 473,294 | 29,863 | 16,844 | 606,476 | 1.28 | 486,313 | 629,454 |
| Texas | 3 | 2 | 13,000 | 200 | 4,300 | 19,750 | 1.52 | 8,900 | 16,554 |
| Virginia and West Virginia | 54 | 38 | 511,255 | 53,184 | 69,634 | 935,290 | 1.83 | 494,805 | 894,951 |
| Wisconsin | 17 | 16 | 837,399 | 23,357 | 46,669 | 1,810,908 | 2.20 | 814,087 | 1,798,403 |

PRODUCTION OF VARIETIES OF IRON ORES IN 1889

[Long tons.]

| STATES AND TERRITORIES. | Brown hematite. | Per cent of total. | Red hematite. | Per cent of total. | Magnetite. | Per cent of total. | Carbonate. | Per cent of total. | Total production, 1889. | Per cent of total. | Total production, 1880. |
|---|-----------------|--------------------|---------------|--------------------|------------|--------------------|------------|--------------------|-------------------------|--------------------|-------------------------|
| Total | 2,523,087 | 100.00 | 9,056,288 | 100.00 | 2,506,415 | 100.00 | 432,251 | 100.00 | 14,518,041 | 100.00 | 7,120,362 |
| Percentage of total output. | 17.38 | | 62.38 | | 17.26 | | 2.98 | | | | |
| Alabama | 379,334 | 15.03 | 1,190,985 | 13.15 | | | | | 1,570,319 | 10.82 | 171,139 |
| Colorado | 100,421 | 3.98 | 4,821 | 0.05 | 3,894 | 0.15 | | | 109,136 | 0.75 | |
| Connecticut, Maine, and Massachusetts | 88,251 | 3.50 | | | | | | | 88,251 | 0.61 | 92,549 |
| Delaware and Maryland | 18,061 | 0.72 | | | | | 11,319 | 2.62 | 29,380 | 0.20 | 127,102 |
| Georgia and North Carolina | 235,057 | 9.32 | 12,903 | 0.14 | 10,125 | 0.40 | | | 258,145 | 1.78 | 84,584 |
| Idaho and Montana | 10,479 | 0.42 | 12,089 | 0.14 | 1,504 | 0.06 | | | 24,072 | 0.17 | |
| Kentucky | 25,212 | 1.00 | | | | | 52,275 | 12.09 | 77,487 | 0.53 | 57,865 |
| Michigan | 332,257 | 13.17 | 5,272,915 | 58.22 | 250,997 | 10.01 | | | 5,856,169 | 40.34 | 1,640,814 |
| Minnesota | | | 864,508 | 9.55 | | | | | 864,508 | 5.95 | |
| Missouri | 400 | 0.02 | 265,318 | 2.93 | | | | | 265,718 | 1.83 | 344,810 |
| New Jersey | | | | | 415,510 | 16.58 | | | 415,510 | 2.86 | 676,225 |
| New Mexico and Utah | 4,033 | 0.16 | 2,017 | 0.02 | 30,000 | 1.20 | | | 36,050 | 0.25 | |
| New York | 30,374 | 1.20 | 224,498 | 2.48 | 927,269 | 37.00 | 65,456 | 15.14 | 1,247,537 | 8.59 | 1,126,899 |
| Ohio | | | | | | | 254,294 | 58.83 | 254,294 | 1.75 | 488,753 |
| Oregon and Washington | 26,283 | 1.04 | | | | | | | 26,283 | 0.18 | 6,225 |
| Pennsylvania | 496,555 | 19.68 | 162,957 | 1.80 | 860,916 | 34.35 | 99,806 | 9.21 | 1,560,234 | 10.75 | 1,951,406 |
| Tennessee | 174,192 | 6.90 | 290,102 | 3.30 | | | | | 474,294 | 3.26 | 93,272 |
| Texas | 13,000 | 0.51 | | | | | | | 13,000 | 0.09 | 3,214 |
| Virginia and West Virginia | 487,202 | 19.31 | 8,746 | 0.10 | 6,200 | 0.25 | 9,101 | 2.11 | 511,255 | 3.52 | 217,448 |
| Wisconsin | 101,970 | 4.04 | 735,429 | 8.12 | | | | | 837,399 | 5.77 | 37,000 |
| Indiana and Vermont | | | | | | | | | | | 958 |
| Output in 1880 | 1,918,622 | | 2,243,903 | | 2,134,276 | | 823,471 | | 7,120,362 | | |
| Percentage of total output in 1880. | 26.95 | | 31.52 | | 29.97 | | 11.56 | | | | |
| Amount of increase or decrease in 1889. | a604,465 | | a6,812,295 | | a372,139 | | b391,220 | | a7,397,679 | | |
| Percentage of increase or decrease in 1889. | a31.51 | | a303.58 | | a17.44 | | b47.51 | | a103.89 | | |

a Increase.

b Decrease

CAPITAL INVESTED IN IRON-ORE MINING IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Total. | Land. | Buildings and fixtures. | Tools, imple-ments, live stock, ma-chinery, etc. | Cash and stock on hand. | Total capi-tal invested in mines in 1880. |
|---|---------------|--------------|-------------------------|--|-------------------------|---|
| Total | \$109,766,199 | \$78,474,881 | \$7,673,520 | \$8,045,545 | \$15,572,253 | \$61,782,287 |
| Alabama..... | 5,244,906 | 4,258,645 | 306,713 | 382,548 | 297,000 | 536,442 |
| Colorado..... | 2,480,445 | 2,241,672 | 69,015 | 74,948 | 94,810 | ..... |
| Connecticut, Maine, and Massachusetts | 551,365 | 322,240 | 97,743 | 66,163 | 65,210 | 708,800 |
| Delaware and Maryland | 355,074 | 223,075 | 35,500 | 65,450 | 31,049 | 538,814 |
| Georgia and North Carolina | 1,634,434 | 1,230,430 | 194,148 | 149,422 | 60,434 | 184,225 |
| Idaho and Montana..... | 342,879 | 301,500 | 4,600 | 11,350 | 25,429 | ..... |
| Kentucky..... | 405,868 | 302,201 | 23,237 | 16,712 | 63,718 | 779,829 |
| Michigan..... | 41,958,571 | 27,032,732 | 2,810,107 | 3,732,410 | 8,374,322 | 17,496,775 |
| Minnesota..... | 8,481,282 | 4,280,000 | 526,504 | 451,904 | 3,222,874 | ..... |
| Missouri..... | 4,613,396 | 3,531,817 | 95,569 | 178,335 | 807,075 | 5,598,550 |
| New Jersey..... | 3,168,891 | 2,180,380 | 194,564 | 349,944 | 444,003 | 6,201,761 |
| New Mexico and Utah..... | 152,000 | 139,000 | 8,500 | 2,500 | 3,000 | ..... |
| New York..... | 12,489,481 | 9,093,455 | 1,603,982 | 990,364 | 801,680 | 8,263,130 |
| Ohio..... | 1,311,918 | 917,935 | 135,375 | 64,675 | 194,833 | 1,248,725 |
| Oregon and Washington..... | 86,285 | 56,630 | 6,396 | 19,409 | 3,850 | 10,975 |
| Pennsylvania..... | 16,240,313 | 14,812,357 | 547,010 | 639,427 | 250,510 | 17,621,701 |
| Tennessee..... | 1,897,895 | 1,304,774 | 185,314 | 253,266 | 64,601 | 473,920 |
| Texas..... | 51,678 | 45,500 | ..... | 2,020 | 3,558 | ..... |
| Vermont..... | ..... | ..... | ..... | ..... | ..... | 2,000 |
| Virginia and West Virginia..... | 3,905,249 | 2,881,441 | 567,544 | 253,195 | 203,009 | 1,924,625 |
| Wisconsin..... | 4,385,269 | 3,229,997 | 252,099 | 340,963 | 591,610 | 180,000 |

EXPENDITURES AT IRON-ORE MINES IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | OFFICE FORCE. | | Grand total em-ployés. | Grand total wages. | Amount paid for contract work. | Total value of supplies and mate-rials of all kinds. | Total of all other expendi-tures for the mines or works. | Grand total of all expendi-tures. |
|---|---------------|------------------|------------------------|--------------------|--------------------------------|--|--|-----------------------------------|
| | Num-ber. | Amount of wages. | | | | | | |
| Total | 520 | \$529,043 | 38,227 | \$14,409,151 | \$1,578,010 | \$4,098,988 | \$3,795,509 | \$24,781,658 |
| Alabama..... | 41 | 37,170 | 3,122 | 1,032,392 | 87,322 | 128,924 | 38,680 | 1,287,318 |
| Colorado..... | 23 | 26,425 | 414 | 297,297 | ..... | 58,504 | 25,327 | 381,128 |
| Connecticut, Maine, and Massachusetts | 2 | 1,200 | 436 | 161,894 | ..... | 60,939 | 18,103 | 240,936 |
| Delaware and Maryland | 1 | 1,200 | 233 | 49,416 | 400 | 5,203 | 4,436 | 59,455 |
| Georgia and North Carolina | 16 | 14,725 | 796 | 144,921 | 54,032 | 46,004 | 50,128 | 295,085 |
| Idaho and Montana..... | ..... | ..... | 83 | 53,112 | ..... | 15,669 | 3,295 | 72,076 |
| Kentucky..... | 8 | 7,500 | 383 | 72,456 | 2,248 | 4,000 | 22,094 | 100,798 |
| Michigan..... | 173 | 217,283 | 13,120 | 6,353,741 | 834,234 | 2,402,443 | 2,528,123 | 12,118,541 |
| Minnesota..... | 15 | 25,299 | 1,770 | 978,433 | ..... | 419,192 | 158,340 | 1,556,015 |
| Missouri..... | 23 | 29,874 | 729 | 283,847 | 2,934 | 45,568 | 63,623 | 395,967 |
| New Jersey..... | 21 | 14,440 | 1,893 | 568,591 | 157,536 | 316,199 | 96,676 | 1,139,002 |
| New Mexico and Utah..... | 1 | 1,000 | 48 | 45,052 | ..... | 7,822 | 3,344 | 56,218 |
| New York..... | 46 | 43,050 | 3,178 | 1,037,252 | 204,969 | 572,501 | 185,679 | 2,050,401 |
| Ohio..... | 34 | 17,560 | 1,644 | 367,855 | 4,568 | 23,929 | 28,367 | 424,719 |
| Oregon and Washington..... | ..... | ..... | 47 | 31,542 | ..... | 4,237 | 1,041 | 36,820 |
| Pennsylvania..... | 40 | 26,814 | 4,410 | 1,141,239 | 55,425 | 290,429 | 215,036 | 1,711,129 |
| Tennessee..... | 19 | 12,400 | 1,534 | 355,332 | 17,551 | 86,318 | 49,666 | 508,367 |
| Texas..... | 2 | 365 | 89 | 12,188 | ..... | 987 | 440 | 13,615 |
| Virginia and West Virginia..... | 32 | 23,257 | 2,468 | 575,061 | 7,936 | 128,452 | 128,452 | 839,772 |
| Wisconsin..... | 23 | 29,421 | 1,840 | 797,480 | 148,855 | 372,802 | 174,659 | 1,493,796 |

MINERAL INDUSTRIES:

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POWER USED IN MINING IRON ORE DURING THE YEAR 1889.

| STATES AND TERRITORIES. | STEAM BOILERS. | | Steam engines. | Animals. | STATES AND TERRITORIES. | STEAM BOILERS. | | Steam engines. | Animals. |
|---|----------------|--------------------|----------------|----------|----------------------------------|----------------|--------------------|----------------|----------|
| | Number. | Total horse power. | | | | Number. | Total horse power. | | |
| Total | 1,109 | 57,976 | 1,093 | 2,796 | Minnesota | 33 | 1,610 | 30 | 42 |
| Alabama | 46 | 1,971 | 40 | 283 | Missouri | 32 | 1,082 | 37 | 112 |
| Colorado | 14 | 378 | 12 | 7 | New Jersey | 96 | 5,428 | 87 | 55 |
| Connecticut, Maine, and Massachusetts | 30 | 1,471 | 34 | 25 | New Mexico and Utah | | | | |
| Delaware and Maryland | 5 | 250 | 4 | 102 | New York | 134 | 6,839 | 89 | 163 |
| Georgia and North Carolina | 25 | 885 | 25 | 235 | Ohio | 9 | 450 | 3 | 430 |
| Idaho and Montana | | | | 7 | Oregon and Washington | 4 | 300 | 6 | 5 |
| Kentucky | 3 | 85 | 3 | 20 | Pennsylvania | 220 | 7,414 | 210 | 498 |
| Michigan | 332 | 24,180 | 387 | 368 | Tennessee | 29 | 855 | 22 | 130 |
| | | | | | Texas | | | | 19 |
| | | | | | Virginia and West Virginia | 49 | 1,813 | 40 | 238 |
| | | | | | Wisconsin | 48 | 2,965 | 64 | 57 |

COMPARISON OF THE TENTH AND ELEVENTH CENSUSES, WITH PERCENTAGES OF INCREASE.

| PRODUCTION. | | | | WAGES PER ANNUM (OFFICE FORCE EXCLUDED). | | | |
|---------------------------------|---------------------------------|--------------------------------|-------------------------|--|---------------|---------------|-------------------------|
| ITEMS. | 1889 | 1880 | Percentage of increase. | ITEMS. | 1889 | 1880 | Percentage of increase. |
| Total | <i>Long tons.</i> 14,518,041 | <i>Long tons.</i> 7,120,362 | 103.89 | Wages per man (e) | f\$409.95 | c\$308.94 | 32.70 |
| Red hematite | 0,056,288 | 2,243,993 | 303.58 | CAPITAL. | | | |
| Magnetite | 2,506,415 | 2,134,276 | 17.44 | Total | \$109,766,199 | c\$61,782,287 | 77.67 |
| Brown hematite | 2,523,087 | 1,918,622 | 31.51 | Land | 78,474,831 | c48,274,149 | 62.56 |
| Carbonate | 432,251 | 823,471 | a47.51 | Buildings and fixtures | 7,673,520 | c8,657,375 | 81.57 |
| | | | | Tools and implements | 8,045,545 | c4,850,763 | 221.03 |
| | | | | Cash and stock on hand | 15,572,253 | | |
| VALUE OF PRODUCT. | | | | SUPPLIES, ETC. | | | |
| Total value | \$33,351,978.00 | \$23,150,957.00 | 44.03 | Supplies and materials | \$4,998,988 | c\$2,894,011 | 72.74 |
| Value per ton | 2.30 | 3.25 | a29.29 | Other expenditures | 3,795,509 | g1,020,429 | 271.95 |
| EMPLOYÉS. | | | | POWER USED IN MINING. | | | |
| Number | b38,227 | c31,668 | 20.71 | Number of boilers reported | 1,109 | c1,093 | 1.46 |
| TOTAL WAGES. | | | | Horse power of boilers | 57,976 | c28,422 | 103.98 |
| Amount paid as wages. (d) | b\$14,400,151 | d\$9,538,117 | 51.07 | Steam engines | 1,093 | c821 | 33.13 |

a Decrease.
 b Including office force.
 c In regular establishments.
 d Not including amount paid to contractors.

e Excluding office force.
 f Includes amount paid to contractors.
 g This amount does not include taxes, insurance, etc.

GOLD AND SILVER.

STATISTICS OF GOLD AND SILVER MINES IN THE UNITED STATES IN 1889.

| STATES AND TERRITORIES. | Total value. | PRODUCTION. | | | | EMPLOYÉS ABOVE GROUND. | | | |
|-------------------------|--------------|--------------|--------------|--------------|----------------|--------------------------|------------|-----------|----------------------|
| | | Gold. | | Silver. | | Average number employed. | | | |
| | | Fine ounces. | Value. | Fine ounces. | Coining value. | Foremen or overseers. | Mechanics. | Laborers. | Boys under 16 years. |
| Total | \$99,283,732 | 1,590,869 | \$32,886,744 | 51,354,851 | \$66,396,988 | 1,585 | 3,273 | 17,085 | 82 |
| Alabama..... | 2,639 | 123 | 2,539 | 77 | 100 | 3 | 3 | 4 | ..... |
| Alaska..... | 916,565 | 43,762 | 904,650 | 9,219 | 11,918 | 16 | 21 | 158 | ..... |
| Arizona..... | 3,254,151 | 44,029 | 910,174 | 1,812,981 | 2,343,977 | 64 | 118 | 703 | 2 |
| California..... | 13,060,529 | 608,882 | 12,586,722 | 1,062,578 | 1,373,807 | 565 | 660 | 6,231 | 21 |
| Colorado..... | 27,641,610 | 187,881 | 3,883,859 | 18,375,551 | 23,757,751 | 330 | 781 | 1,505 | 16 |
| Georgia..... | 108,069 | 5,204 | 107,605 | 359 | 464 | 22 | 22 | 152 | ..... |
| Idaho..... | 6,040,641 | 95,983 | 1,984,159 | 3,137,508 | 4,056,482 | 128 | 354 | 964 | 2 |
| Maryland..... | 10,369 | 501 | 10,369 | ..... | ..... | 2 | ..... | 50 | ..... |
| Michigan..... | 105,925 | 4,210 | 87,040 | 14,607 | 18,385 | 2 | 7 | 32 | ..... |
| Montana..... | 20,608,287 | 151,861 | 3,130,327 | 13,511,455 | 17,468,960 | 96 | 307 | 2,613 | 5 |
| Nevada..... | 9,578,536 | 169,617 | 3,506,205 | 4,696,605 | 6,072,241 | 83 | 261 | 779 | 1 |
| New Mexico..... | 2,433,233 | 39,457 | 815,655 | 1,251,134 | 1,617,578 | 45 | 90 | 520 | 13 |
| North Carolina..... | 150,674 | 7,077 | 146,795 | 3,000 | 3,879 | 21 | 53 | 230 | 16 |
| Oregon..... | 987,691 | 46,648 | 964,909 | 17,851 | 23,382 | 59 | 132 | 1,490 | 3 |
| South Carolina..... | 47,085 | 2,266 | 46,853 | 179 | 232 | 7 | 13 | 114 | 1 |
| South Dakota..... | 3,226,468 | 149,533 | 3,091,137 | 104,672 | 135,331 | 31 | 260 | 554 | ..... |
| Texas..... | 425,001 | 330 | 6,828 | 323,438 | 418,173 | 7 | 10 | 36 | ..... |
| Utah..... | 9,544,680 | 23,591 | 487,666 | 7,005,193 | 9,057,014 | 85 | 171 | 475 | 2 |
| Virginia..... | 4,113 | 198 | 4,100 | 10 | 13 | 2 | ..... | 30 | ..... |
| Washington..... | 222,951 | 9,005 | 186,150 | 28,464 | 36,801 | 3 | 3 | 394 | ..... |
| Wyoming..... | 14,512 | 711 | 14,512 | ..... | ..... | 14 | 7 | 51 | ..... |

| STATES AND TERRITORIES. | EMPLOYÉS ABOVE GROUND—continued. | | | | | | | | EMPLOYÉS BELOW GROUND. | | | |
|-------------------------|----------------------------------|------------|-----------|----------------------|--|------------|-----------|----------------------|--------------------------|---------|-----------|----------------------|
| | Average wages per day. | | | | Average number of days worked during year. | | | | Average number employed. | | | |
| | Foremen or overseers. | Mechanics. | Laborers. | Boys under 16 years. | Foremen or overseers. | Mechanics. | Laborers. | Boys under 16 years. | Foremen or overseers. | Miners. | Laborers. | Boys under 16 years. |
| Total | \$4.04 | \$3.67 | \$2.51 | \$1.16 | 216 | 244 | 195 | 199 | 1,352 | 29,144 | 3,870 | 43 |
| Alabama..... | 3.00 | 1.50 | 0.90 | ..... | 155 | 210 | 150 | ..... | 1 | 7 | 6 | ..... |
| Alaska..... | 5.50 | 5.00 | 2.82 | ..... | 298 | 305 | 285 | ..... | 9 | 127 | 55 | ..... |
| Arizona..... | 4.59 | 3.89 | 2.46 | 1.50 | 219 | 187 | 205 | 145 | 34 | 1,467 | 132 | 1 |
| California..... | 3.30 | 3.26 | 2.05 | 1.29 | 182 | 196 | 147 | 129 | 303 | 5,522 | 944 | 8 |
| Colorado..... | 4.33 | 3.80 | 2.91 | 1.70 | 234 | 254 | 237 | 212 | 306 | 9,585 | 560 | 14 |
| Georgia..... | 1.33 | 1.47 | 0.92 | ..... | 179 | 250 | 228 | ..... | 17 | 41 | 93 | ..... |
| Idaho..... | 4.64 | 4.04 | 3.04 | 1.25 | 211 | 263 | 187 | 285 | 169 | 2,666 | 318 | ..... |
| Maryland..... | 2.25 | ..... | 1.05 | ..... | 240 | ..... | 257 | ..... | ..... | 2 | 10 | ..... |
| Michigan..... | 3.25 | 2.25 | 1.81 | ..... | 312 | 350 | 319 | ..... | 1 | 40 | 13 | ..... |
| Montana..... | 5.30 | 4.14 | 3.25 | 1.40 | 286 | 296 | 287 | 300 | 65 | 2,552 | 254 | 5 |
| Nevada..... | 5.07 | 4.56 | 3.22 | 2.00 | 304 | 298 | 270 | 365 | 84 | 2,003 | 214 | 1 |
| New Mexico..... | 4.09 | 3.50 | 2.31 | 1.27 | 169 | 193 | 204 | 166 | 48 | 1,202 | 154 | 12 |
| North Carolina..... | 2.27 | 1.44 | 0.88 | 0.32 | 242 | 193 | 179 | 243 | 18 | 238 | 178 | ..... |
| Oregon..... | 3.32 | 2.92 | 2.29 | 0.83 | 140 | 199 | 130 | 240 | 22 | 653 | 57 | 1 |
| South Carolina..... | 3.02 | 2.54 | 0.99 | 0.50 | 65 | 113 | 92 | 26 | 2 | 34 | 20 | ..... |
| South Dakota..... | 4.57 | 3.23 | 2.85 | ..... | 272 | 311 | 204 | ..... | 31 | 645 | 369 | ..... |
| Texas..... | 4.62 | 2.83 | 2.07 | ..... | 130 | 174 | 147 | ..... | 5 | 78 | 192 | ..... |
| Utah..... | 5.27 | 3.93 | 3.14 | 1.00 | 307 | 319 | 311 | 365 | 132 | 2,065 | 274 | 1 |
| Virginia..... | 1.38 | ..... | 1.00 | ..... | 50 | ..... | 70 | ..... | ..... | ..... | ..... | ..... |
| Washington..... | 5.00 | 4.00 | 3.00 | ..... | 221 | 280 | 139 | ..... | 2 | 187 | 7 | ..... |
| Wyoming..... | 3.86 | 3.07 | 2.36 | ..... | 105 | 56 | 81 | ..... | 13 | 130 | 11 | ..... |

STATISTICS OF GOLD AND SILVER MINES IN THE UNITED STATES IN 1889—Continued.

| STATES AND TERRITORIES. | EXPENDITURES. | | | | | | | |
|-------------------------|------------------------------|-----------------------|-------------------|----------------------|---------------|-------------|----------|-------------|
| | Grand total of expenditures. | Grand total of wages. | Total wages paid. | Paid to contractors. | Office force. | | | |
| | | | | | Males. | | Females. | |
| | | | | | Number. | Wages paid. | Number. | Wages paid. |
| Total | \$63,451,136 | \$43,180,696 | \$40,412,022 | \$1,421,301 | 848 | \$1,335,189 | 25 | \$12,184 |
| Alabama | 8,042 | 7,588 | 6,363 | ..... | ..... | 1,225 | ..... | ..... |
| Alaska | 018,009 | 315,498 | 304,731 | ..... | 4 | 10,767 | ..... | ..... |
| Arizona | 2,058,039 | 1,599,259 | 1,499,641 | 48,902 | 30 | 50,716 | ..... | ..... |
| California | 12,506,555 | 9,689,265 | 9,191,500 | 296,373 | 160 | 199,955 | 4 | 1,437 |
| Colorado | 13,834,332 | 10,114,682 | 9,339,875 | 400,772 | 219 | 368,639 | 7 | 5,396 |
| Georgia | 141,474 | 90,474 | 77,079 | 958 | 16 | 12,446 | ..... | ..... |
| Idaho | 4,870,484 | 3,686,362 | 3,331,151 | 194,257 | 104 | 160,261 | 9 | 693 |
| Maryland | 18,001 | 13,800 | 12,800 | ..... | 1 | 1,000 | ..... | ..... |
| Michigan | 99,183 | 56,198 | 45,096 | 10,447 | 2 | 655 | ..... | ..... |
| Montana | 9,259,657 | 6,123,132 | 5,881,500 | 120,567 | 52 | 120,815 | 1 | 250 |
| Nevada | 8,254,755 | 3,764,256 | 3,522,280 | 36,011 | 119 | 203,385 | 1 | 2,580 |
| New Mexico | 1,730,126 | 1,333,462 | 1,226,857 | 55,883 | 30 | 49,454 | 2 | 1,768 |
| North Carolina | 285,795 | 195,614 | 153,439 | 13,945 | 27 | 23,230 | ..... | ..... |
| Oregon | 1,604,781 | 970,758 | 909,001 | 13,007 | 28 | 47,850 | ..... | ..... |
| South Carolina | 79,098 | 37,078 | 33,078 | ..... | 2 | 4,000 | ..... | ..... |
| South Dakota | 2,589,383 | 1,742,042 | 1,605,738 | 120,169 | 9 | 16,135 | ..... | ..... |
| Texas | 205,808 | 82,586 | 76,146 | ..... | 5 | 6,170 | ..... | ..... |
| Utah | 4,875,211 | 3,022,648 | 2,869,852 | 105,535 | 33 | 47,261 | ..... | ..... |
| Virginia | 2,875 | 2,400 | 2,100 | ..... | 1 | 300 | ..... | ..... |
| Washington | 328,816 | 282,759 | 277,859 | 2,500 | 1 | 2,400 | ..... | ..... |
| Wyoming | 80,712 | 50,835 | 45,945 | 1,305 | 5 | 3,525 | 1 | 60 |

| STATES AND TERRITORIES. | EXPENDITURES—cont'd. | | VALUE OF MINING PROPERTY. | | | | | |
|-------------------------|----------------------|---------------------|---------------------------|---------------------|--------------------------------|--------------|---------------------------|----------------|
| | Value of supplies. | Other expenditures. | Total value of plant. | Value of buildings. | Value of railroads on surface. | Machinery. | Underground improvements. | Mine supplies. |
| Total | \$13,817,739 | \$6,452,701 | \$465,960,566 | \$7,565,918 | \$1,475,674 | \$14,985,215 | \$95,806,648 | \$3,919,480 |
| Alabama | 335 | 119 | 35,000 | 1,400 | 1,050 | 20,465 | 4,353 | 287 |
| Alaska | 301,236 | 1,275 | 4,239,955 | 41,778 | 16,633 | 148,067 | 155,343 | 83,000 |
| Arizona | 348,662 | 110,118 | 19,734,884 | 207,264 | 17,800 | 469,497 | 1,900,560 | 105,370 |
| California | 2,151,229 | 606,061 | 67,641,986 | 1,662,014 | 238,467 | 4,330,986 | 12,305,794 | 585,431 |
| Colorado | 2,559,705 | 1,159,945 | 137,881,531 | 1,235,853 | 137,582 | 2,961,167 | 26,316,640 | 719,062 |
| Georgia | 18,634 | 32,366 | 1,504,758 | 12,815 | 9,420 | 37,964 | 96,896 | 8,007 |
| Idaho | 889,958 | 294,164 | 44,194,594 | 1,012,677 | 283,183 | 928,439 | 8,295,875 | 415,634 |
| Maryland | 2,632 | 1,569 | 370,000 | 1,000 | 685 | 1,965 | 16,825 | 750 |
| Michigan | 9,152 | 33,833 | 676,212 | 11,000 | 87,406 | 114,007 | 19,100 | 18,690 |
| Montana | 2,399,963 | 736,562 | 53,256,396 | 494,619 | 312,150 | 1,642,241 | 11,352,908 | 546,605 |
| Nevada | 2,329,667 | 2,160,892 | 25,049,695 | 476,331 | 160,524 | 1,278,072 | 7,445,625 | 348,854 |
| New Mexico | 270,706 | 125,958 | 18,268,499 | 256,349 | 15,000 | 881,045 | 2,413,506 | 312,822 |
| North Carolina | 64,731 | 25,450 | 2,173,993 | 58,540 | 6,603 | 168,325 | 404,328 | 8,652 |
| Oregon | 549,745 | 84,278 | 15,151,203 | 684,004 | 28,626 | 486,403 | 1,524,368 | 93,116 |
| South Carolina | 11,052 | 30,988 | 1,148,050 | 15,125 | 12,000 | 18,125 | 67,000 | 4,500 |
| South Dakota | 721,139 | 126,202 | 5,271,110 | 124,775 | 8,087 | 336,923 | 603,888 | 37,462 |
| Texas | 17,602 | 105,620 | 405,292 | 7,900 | ..... | 9,200 | 25,000 | 4,192 |
| Utah | 1,111,663 | 740,600 | 63,009,466 | 1,229,109 | 138,378 | 1,013,509 | 22,111,817 | 605,271 |
| Virginia | 175 | 300 | 50,000 | 2,500 | ..... | 2,500 | 5,000 | 2,000 |
| Washington | 35,320 | 10,737 | 3,536,925 | 10,520 | -500 | 14,765 | 399,840 | 6,260 |
| Wyoming | 24,193 | 5,684 | 2,361,017 | 19,745 | 1,600 | 121,550 | 335,982 | 13,515 |

MINERAL INDUSTRIES.

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STATISTICS OF GOLD AND SILVER MINES IN THE UNITED STATES IN 1889—Continued.

| STATES AND TERRITORIES. | VALUE OF MINING PROPERTY—continued. | | VALUE OF MILL OR REDUCTION WORKS. | | | |
|-------------------------|-------------------------------------|-------------|-----------------------------------|-------------|--------------|-------------|
| | Mine proper. | Cash. | Total. | Buildings. | Machinery. | Supplies. |
| Total | \$338,094,821 | \$4,112,810 | \$20,962,772 | \$5,685,562 | \$13,456,938 | \$1,220,272 |
| Alabama | 6,395 | 1,050 | 8,456 | 700 | 6,650 | 1,106 |
| Alaska | 3,778,467 | 16,667 | 556,307 | 53,788 | 465,719 | 36,800 |
| Arizona | 17,018,293 | 10,100 | 828,495 | 198,060 | 585,835 | 44,600 |
| California | 48,248,811 | 270,483 | 3,792,982 | 976,241 | 2,683,856 | 132,885 |
| Colorado | 105,708,422 | 802,825 | 2,432,244 | 690,719 | 1,699,165 | 42,360 |
| Georgia | 1,337,376 | 2,280 | 219,411 | 32,540 | 185,222 | 1,649 |
| Idaho | 33,154,216 | 104,570 | 2,540,888 | 760,118 | 1,599,888 | 180,882 |
| Maryland | 348,775 | ----- | 5,175 | 1,500 | 3,675 | ----- |
| Michigan | 415,000 | 10,409 | ----- | ----- | ----- | ----- |
| Montana | 38,646,258 | 261,620 | 3,314,577 | 1,179,919 | 1,801,940 | 272,712 |
| Nevada | 15,202,089 | 138,250 | 1,818,176 | 458,881 | 1,187,352 | 171,943 |
| New Mexico | 14,273,655 | 116,122 | 1,079,910 | 201,540 | 829,150 | 49,220 |
| North Carolina | 1,494,026 | 33,519 | 301,414 | 52,394 | 244,271 | 4,809 |
| Oregon | 12,198,130 | 136,556 | 1,145,006 | 447,993 | 650,188 | 46,825 |
| South Carolina | 1,031,300 | ----- | 78,725 | 9,000 | 68,225 | 1,500 |
| South Dakota | 4,140,827 | 19,148 | 573,774 | 155,402 | 389,008 | 29,304 |
| Texas | 357,000 | 2,000 | 49,560 | 10,000 | 20,000 | 19,560 |
| Utah | 35,726,352 | 2,185,030 | 1,445,047 | 408,752 | 857,238 | 179,067 |
| Virginia | 38,000 | ----- | 7,500 | 2,000 | 5,000 | 500 |
| Washington | 3,103,040 | 2,000 | 34,550 | 18,650 | 11,900 | 4,000 |
| Wyoming | 1,868,444 | 181 | 130,575 | 27,425 | 102,600 | 550 |

| STATES AND TERRITORIES. | MOTIVE POWER. | | | | | | | Number of animals. |
|-------------------------|---------------|--------------|----------|--------------|--------------|---------|--------------|--------------------|
| | Boilers. | | Engines. | | Other power. | Motors. | | |
| | Number. | Horse power. | Number. | Horse power. | | Number. | Horse power. | |
| Total | 2,034 | 78,343 | 1,364 | 55,122 | ----- | 623 | 18,821 | 3,965 |
| Alabama | 1 | 14 | 1 | ----- | ----- | ----- | ----- | 3 |
| Alaska | 2 | 360 | 2 | 300 | ----- | ----- | ----- | ----- |
| Arizona | 88 | 2,563 | 60 | 1,030 | (a) | 2 | 40 | 354 |
| California | 298 | 9,813 | 266 | 8,633 | (b) | 370 | 12,063 | 1,007 |
| Colorado | 622 | 23,920 | 502 | 13,972 | (c) | 34 | 1,253 | 1,109 |
| Georgia | 9 | 369 | 7 | 283 | (d) | 25 | 20 | 9 |
| Idaho | 225 | 5,559 | 80 | 2,296 | (e) | 67 | 3,274 | 273 |
| Maryland | 2 | 100 | 1 | ----- | ----- | ----- | ----- | 3 |
| Michigan | 5 | 270 | 7 | 529 | (d) | ----- | ----- | 6 |
| Montana | 145 | 8,266 | 86 | 4,239 | (f) | 5 | 158 | 265 |
| Nevada | 189 | 9,283 | 139 | 11,048 | (g) | 34 | 705 | 233 |
| New Mexico | 100 | 3,773 | 62 | 1,912 | (h) | ----- | ----- | 200 |
| North Carolina | 89 | 4,113 | 47 | 2,415 | ----- | 14 | 390 | 42 |
| Oregon | 26 | 811 | 16 | 1,706 | (i) | 34 | 330 | 126 |
| South Carolina | 12 | 595 | 4 | 210 | ----- | ----- | ----- | 7 |
| South Dakota | 66 | 3,427 | 41 | 2,969 | (d) | ----- | ----- | 71 |
| Texas | 2 | 20 | 2 | 66 | (j) | 6 | ----- | 31 |
| Utah | 139 | 4,525 | 24 | 2,829 | (k) | 13 | 419 | 166 |
| Virginia | 4 | 145 | 3 | 125 | ----- | ----- | ----- | 2 |
| Washington | 2 | 30 | 2 | 21 | (l) | 12 | 81 | 19 |
| Wyoming | 8 | 378 | 12 | 440 | (m) | 7 | 70 | 39 |

a Windlasses and whims, 49.
 b Water windlasses, etc., 439.
 c Water, etc., 266.
 d Water.
 e Water windlasses, etc.

f Water whims, etc., 18.
 g Water whims, etc., 50.
 h Whims, windlasses.
 i Water, etc., 40.

j Windlass.
 k Whims, etc.
 l Water windlass and whims.
 m Waterwheels, whims, and windlass.

STATISTICS OF GOLD AND SILVER MINES IN THE UNITED STATES IN 1889—Continued.

| STATES AND TERRITORIES. | Total value of bullion. | Total capital invested. | Amount of capital per dollar of bullion produced. | Amount of bullion produced per dollar of capital. | Total expenditures. | Value of bullion per dollar of expense. | Amount of expense per dollar of bullion. | Net percentage of apparent profit or loss (—) on total capital. | Average assay value per ton of ore sold. | Average bullion value per ton of ore treated. |
|-------------------------|-------------------------|-------------------------|---|---|---------------------|---|--|---|--|---|
| Total | \$99,283,732 | \$486,323,338 | \$4.90 | \$0.20 | \$63,451,136 | \$1.56 | \$0.94 | 7.37 | \$45.88 | \$13.30 |
| Alabama | 2,639 | 43,456 | 16.47 | 0.06 | 8,042 | 0.33 | 3.05 | -12.43 | ..... | ..... |
| Alaska | 916,568 | 4,796,262 | 5.23 | 0.19 | 618,009 | 1.48 | 0.67 | 0.22 | ..... | ..... |
| Arizona | 3,254,151 | 20,563,379 | 6.32 | 0.16 | 2,058,039 | 1.58 | 0.63 | 5.82 | 119.77 | 34.26 |
| California | 13,960,529 | 71,434,968 | 5.12 | 0.20 | 12,506,555 | 1.12 | 0.90 | 2.04 | 74.79 | 7.90 |
| Colorado | 27,641,610 | 140,313,775 | 5.08 | 0.20 | 13,834,332 | 2.00 | 0.50 | 9.84 | 42.86 | 8.95 |
| Georgia | 108,069 | 1,724,169 | 15.95 | 0.06 | 141,474 | 0.76 | 1.31 | -1.94 | ..... | ..... |
| Idaho | 6,040,641 | 46,735,482 | 7.74 | 0.13 | 4,870,484 | 1.24 | 0.81 | -2.50 | ..... | ..... |
| Maryland | 10,369 | 375,175 | 36.18 | 0.03 | 18,001 | 0.58 | 1.74 | -2.03 | ..... | ..... |
| Michigan | 105,925 | 676,212 | 6.38 | 0.16 | 99,183 | 1.07 | 0.94 | 1.00 | ..... | 3.32 |
| Montana | 20,608,287 | 56,570,973 | 2.75 | 0.36 | 9,250,657 | 2.23 | 0.45 | 20.06 | 39.98 | 42.31 |
| Nevada | 9,578,536 | 26,867,871 | 2.81 | 0.36 | 8,254,755 | 1.16 | 0.86 | 4.93 | 128.34 | 21.76 |
| New Mexico | 2,433,233 | 19,348,409 | 7.95 | 0.13 | 1,730,126 | 1.41 | 0.71 | 3.63 | 35.21 | 15.98 |
| North Carolina | 150,674 | 2,475,407 | 16.43 | 0.06 | 285,795 | 0.53 | 1.90 | -5.46 | ..... | ..... |
| Oregon | 987,691 | 10,296,299 | 10.50 | 0.06 | 1,604,781 | 0.62 | 1.62 | -3.79 | 88.19 | 11.20 |
| South Carolina | 47,085 | 1,226,775 | 26.05 | 0.04 | 79,098 | 0.60 | 1.68 | -2.61 | ..... | ..... |
| South Dakota | 3,220,468 | 5,844,884 | 1.81 | 0.55 | 2,589,383 | 1.25 | 0.80 | 10.90 | 47.79 | 3.01 |
| Texas | 425,001 | 454,852 | 1.07 | 0.93 | 295,808 | 2.07 | 0.48 | 48.19 | 69.49 | 32.14 |
| Utah | 9,544,680 | 64,454,513 | 6.75 | 0.15 | 4,875,211 | 1.96 | 0.51 | 7.24 | 54.22 | 34.67 |
| Virginia | 4,113 | 57,500 | 13.98 | 0.07 | 2,876 | 1.43 | 0.70 | 2.15 | ..... | ..... |
| Washington | 222,951 | 3,571,475 | 16.02 | 0.06 | 328,816 | 0.68 | 1.47 | -2.86 | 707.17 | 13.48 |
| Wyoming | 14,512 | 2,491,592 | 171.69 | 0.01 | 80,712 | 0.18 | 5.50 | -2.66 | ..... | 14.99 |

COPPER.

COPPER PRODUCT OF THE UNITED STATES IN THE CALENDAR YEAR 1889. (a)

| | POUNDS. |
|----------------------------------|---------------|
| Arizona | 31,586,185 |
| Michigan | 87,455,675 |
| Montana | 98,222,444 |
| New Mexico | 3,686,137 |
| Colorado | 1,170,053 |
| Idaho | 156,490 |
| Nevada | 26,420 |
| Utah | 65,467 |
| California | 151,505 |
| Wyoming | 100,000 |
| Vermont | 72,000 |
| Southern states | 18,144 |
| Lead smelters and refiners | 3,345,442 |
| Total | 226,055,962 * |

* These figures include the quantities of copper reported as an incidental constituent of other ores.

PRODUCTION OF COPPER IN CERTAIN STATES. (a)

| STATES AND TERRITORIES. | Ore produced. (Short tons.) | Mineral. (Pounds.) | Black copper. (Pounds.) | Matte. (Pounds.) | Fine copper contents. (Pounds.) |
|-------------------------|-----------------------------|--------------------|-------------------------|------------------|---------------------------------|
| Total | 3,322,742 | 117,804,926 | 39,713,237 | 159,547,390 | 220,509,438 |
| Michigan | 2,433,733 | 117,804,926 | ..... | ..... | 87,455,675 |
| Montana | 698,837 | ..... | 10,176,744 | 147,800,590 | 97,808,064 |
| Arizona | 155,586 | ..... | 29,532,493 | 4,126,000 | 31,362,685 |
| New Mexico | 34,586 | ..... | 4,000 | 7,620,800 | 63,883,014 |

a Not including those mines fairly to be considered as precious metal mines.

b The apparent discrepancy between this amount and the amount entered in the previous table of copper product is due to the fact that there is included in the larger amount the copper contents of ore produced by mines having no reduction works and no means of shipment of ore to market.

EXPENDITURES IN COPPER MINING IN CERTAIN STATES.

| STATES AND TERRITORIES. | Total expenditures. | Total wages. | Salaries. | Paid contractors. | Materials and supplies. | Taxes, rent, etc. | Office force. |
|-------------------------|---------------------|--------------|-----------|-------------------|-------------------------|-------------------|---------------|
| Total | \$12,062,180 | \$6,096,025 | \$120,896 | \$334,443 | \$4,067,970 | \$1,442,846 | 79 |
| Michigan | 7,478,828 | 3,174,363 | 67,309 | 306,627 | 2,682,401 | 1,247,978 | 41 |
| Montana | 3,204,455 | 2,010,940 | 22,515 | 2,722 | 1,029,000 | 134,288 | 10 |
| Arizona | 1,140,819 | 726,021 | 29,762 | 23,774 | 325,020 | 48,242 | 14 |
| New Mexico | 232,078 | 184,701 | 7,250 | 1,320 | 30,469 | 8,338 | 5 |

NUMBER OF EMPLOYÉS IN COPPER MINING.

ABOVE GROUND.

| STATES AND TERRITORIES. | NUMBER EMPLOYED. | | | | AVERAGE DAILY WAGES. | | | | AVERAGE NUMBER OF DAYS EMPLOYED. | | | |
|-------------------------|------------------|------------|-----------|-------|----------------------|------------|-----------|--------|----------------------------------|------------|-----------|-------|
| | Foremen. | Mechanics. | Laborers. | Boys. | Foremen. | Mechanics. | Laborers. | Boys. | Foremen. | Mechanics. | Laborers. | Boys. |
| Total | 84 | 741 | 1,718 | 20 | \$5.28 | \$2.88 | \$1.91 | \$0.88 | 305 | 304 | 297 | 304 |
| Michigan | 63 | 547 | 1,247 | 15 | 5.31 | 2.30 | 1.58 | 0.75 | 313 | 311 | 301 | 303 |
| Montana | 7 | 131 | 162 | ..... | 4.80 | 4.76 | 3.13 | ..... | 289 | 300 | 274 | ..... |
| Arizona | 11 | 57 | 252 | 5 | 5.43 | 3.97 | 2.63 | 1.25 | 276 | 260 | 286 | 305 |
| New Mexico | 3 | 6 | 57 | ..... | 5.00 | 3.75 | 2.50 | ..... | 269 | 221 | 314 | ..... |

BELOW GROUND.

| | | | | | | | | | | | | |
|------------------|-----|-------|-------|-------|------|------|------|-------|-----|-----|-----|-------|
| Total | 114 | 4,236 | 1,725 | 83 | 4.43 | 2.71 | 1.74 | 0.95 | 299 | 298 | 306 | 308 |
| Michigan | 57 | 2,101 | 1,582 | 83 | 4.04 | 1.90 | 1.67 | 0.95 | 312 | 314 | 307 | 308 |
| Montana | 30 | 1,069 | 9 | ..... | 4.93 | 3.53 | 3.00 | ..... | 300 | 281 | 129 | ..... |
| Arizona | 23 | 498 | 82 | ..... | 4.89 | 3.19 | 2.62 | ..... | 274 | 290 | 308 | ..... |
| New Mexico | 4 | 118 | 52 | ..... | 3.71 | 2.58 | 2.25 | ..... | 259 | 274 | 293 | ..... |

CAPITAL INVESTED AND POWER USED.

| STATES AND TERRITORIES. | CAPITAL INVESTED IN COPPER MINING. | | | | | POWER USED IN COPPER MINING. | | | |
|-------------------------|------------------------------------|--------------|-------------|-------------|-------------|------------------------------|----------|--------------|----------|
| | Total. | Land. | Buildings. | Tools. | Cash. | Animals. | Boilers. | Horse power. | Engines. |
| Total | \$62,623,228 | \$50,113,325 | \$5,817,680 | \$3,386,588 | \$3,305,635 | 305 | 226 | 34,390 | 295 |
| Michigan | 33,111,253 | 22,333,442 | 5,449,271 | 2,272,622 | 3,055,918 | 191 | 141 | 20,545 | 151 |
| Montana | 23,395,000 | 22,375,000 | 223,000 | 797,000 | ..... | 29 | 52 | 3,530 | 82 |
| Arizona | 5,490,050 | 4,960,383 | 33,409 | 247,791 | 248,467 | 66 | 21 | 775 | 25 |
| New Mexico | 626,925 | 444,500 | 112,000 | 69,175 | 1,250 | 19 | 12 | 540 | 7 |

LEAD AND ZINC.

Lead mining is carried on in only a few localities for the production of lead ore pure and simple. It is the usual practice to separate the product of mines into 2 groups, that in which the baser metal is associated with the precious metals, and that in which it is practically free from gold and silver. The first group includes all the mines producing lead-bearing ores in the Rocky mountains.

SUMMARY OF LEAD PRODUCTION IN THE ROCKY MOUNTAIN STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Tons. | Value. | STATES AND TERRITORIES. | Tons. | Value. |
|-------------------------|---------|----------------|-------------------------|--------|----------------|
| Total | 130,903 | \$4,712,757.27 | Idaho | 23,172 | \$1,042,629.31 |
| Arizona | 3,158 | 98,747.84 | Montana | 10,183 | 456,975.40 |
| California | 53 | 1,999.65 | Nevada | 1,994 | 72,653.64 |
| Colorado | 70,788 | 2,101,014.31 | New Mexico | 4,764 | 170,754.59 |
| | | | South Dakota | 116 | 4,653.44 |
| | | | Utah | 16,675 | 793,329.09 |

TOTAL PRODUCT OF THE LEAD AND ZINC MINES EAST OF THE ROCKY MOUNTAINS.

| STATES. | Total value. | ZINC ORE. | | LEAD ORE. | |
|-----------------------------------|----------------|-------------|----------------|-------------|----------------|
| | | Short tons. | Value. | Short tons. | Value. |
| Total | \$4,804,179.24 | 234,563 | \$3,049,799.25 | 50,238 | \$1,754,379.99 |
| Arkansas | 3,650.00 | 130 | 3,250.00 | 20 | 400.00 |
| Illinois | 4,800.00 | | | 173 | 4,800.00 |
| Iowa | 3,600.00 | 450 | 3,600.00 | | |
| Kansas | 402,428.47 | 39,575 | 299,192.05 | 3,617 | 103,256.42 |
| Missouri | 3,595,218.18 | 93,131 | 2,024,057.14 | 44,482 | 1,571,161.04 |
| New Jersey and Pennsylvania | 175,052.20 | 63,339 | 175,052.20 | | |
| New Mexico | 2,520.00 | 140 | 2,520.00 | | |
| Southern states | 152,280.00 | 12,906 | 141,560.00 | 268 | 10,720.00 |
| Wisconsin | 464,630.39 | 24,832 | 400,567.86 | 1,078 | 64,062.53 |

LEAD SMELTING AND REFINING WORKS.

| STATES AND TERRITORIES. | PRODUCT. | | | STOCK. | | | |
|--|-----------------------------|-----------------------------|---------------------------------|-----------------------------|------------------|-----------------------------|------------------|
| | Base bullion. (Short tons.) | Refined lead. (Short tons.) | Fine copper in matte. (Pounds.) | Base bullion. (Short tons.) | | Refined lead. (Short tons.) | |
| | | | | January 1, 1889. | January 1, 1890. | January 1, 1889. | January 1, 1890. |
| The United States | | 182,967 | 4,195,920 | 1,474 | 4,730 | 12,058 | 9,230 |
| California | | 5,500 | | | | | |
| Colorado | 73,205 | 2,784 | 1,360,617 | 290 | 3,138 | 18 | 168 |
| Idaho | 878 | | | | | | |
| Illinois, Iowa, Kansas, Missouri, and Wisconsin (soft lead). (a) | | 29,258 | | | | 4,058 | 5,207 |
| Illinois, Missouri, and Nebraska (desilverized). | 33,638 | 114,634 | 2,689,229 | 457 | 852 | 4,739 | 493 |
| Montana | 19,404 | | | | | | |
| Nevada | 1,328 | 1,104 | 23,218 | | | 1,280 | 1,402 |
| New Jersey, Pennsylvania, and Virginia. | (b) | 28,507 | 122,865 | | | 1,903 | 1,883 |
| New Mexico and Texas | 13,733 | | | 110 | 81 | | |
| Utah | 12,908 | 1,180 | | 611 | 659 | | 17 |

| STATES AND TERRITORIES. | LABOR. | | | | | | | | | | | |
|--|------------------|------------|-----------|-------|----------------------|------------|-----------|--------|------------------------|------------|-----------|-------|
| | Number employed. | | | | Average daily wages. | | | | Average days employed. | | | |
| | Foremen. | Mechanics. | Laborers. | Boys. | Foremen. | Mechanics. | Laborers. | Boys. | Foremen. | Mechanics. | Laborers. | Boys. |
| The United States | 173 | 354 | 5,595 | 9 | \$3.98 | \$2.93 | \$2.15 | \$0.50 | 337 | 322 | 307 | 336 |
| California | 61 | 71 | 2,019 | 2 | 3.99 | 3.52 | 2.48 | 0.75 | 361 | 353 | 321 | 365 |
| Colorado | 4 | 13 | 21 | | 4.50 | 3.50 | 3.00 | | 135 | 135 | 135 | |
| Idaho | 21 | 31 | 423 | 1 | 2.31 | 1.94 | 1.47 | 0.50 | 331 | 273 | 292 | 364 |
| Illinois, Iowa, Kansas, Missouri, and Wisconsin (soft lead). | | | | | | | | | | | | |
| Illinois, Missouri, and Nebraska (desilverized). | 45 | 151 | 1,333 | 2 | 4.33 | 2.48 | 1.76 | 0.75 | 360 | 344 | 289 | 365 |
| Montana | 14 | 26 | 493 | | 5.05 | 4.72 | 2.63 | | 328 | 322 | 306 | |
| Nevada | 9 | 9 | 101 | | 4.91 | 4.17 | 3.24 | | 177 | 185 | 125 | |
| New Jersey, Pennsylvania, and Virginia. | 4 | 33 | 308 | 4 | 2.95 | 2.48 | 1.63 | 0.25 | 332 | 312 | 343 | 300 |
| New Mexico and Texas | 9 | 12 | 544 | | 4.04 | 3.46 | 2.07 | | 322 | 325 | 319 | |
| Utah | 6 | 8 | 353 | | 3.57 | 3.03 | 2.13 | | 305 | 308 | 321 | |

a Produced also 1,250 tons sublimated lead.

b Quantity of base bullion produced from 21,775 tons of ore unknown.

MINERAL INDUSTRIES.

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LEAD SMELTING AND REFINING WORKS—Continued.

| STATES AND TERRITORIES. | EXPENDITURES. | | | | | | Office force. |
|--|-----------------|----------------|--------------|-------------------------|------------------------------|--------------|---------------|
| | Total. | Wages. | Salaries. | Supplies and materials. | Rent, insurance, taxes, etc. | Contractors. | |
| The United States | \$11,457,367.25 | \$4,228,634.15 | \$510,715.97 | \$5,154,682.04 | \$1,489,715.30 | \$73,619.79 | 240 |
| California | 4,590,932.39 | 1,839,369.81 | 243,328.01 | 1,898,898.75 | 533,346.79 | 45,998.03 | 18 |
| Colorado | 81,798.57 | 17,130.00 | 3,300.00 | 61,388.57 | ..... | ..... | 2 |
| Idaho | 580,210.00 | 206,549.69 | 19,680.00 | 184,174.71 | 166,031.95 | 3,182.65 | 15 |
| Illinois, Iowa, Kansas, Missouri, and Wisconsin (soft lead). | 2,787,020.77 | 949,787.25 | 99,648.00 | 1,278,613.11 | 453,497.21 | 5,475.20 | 64 |
| Illinois, Missouri, and Nebraska (desilverized). | 1,109,236.15 | 433,373.58 | 44,929.00 | 555,048.00 | 73,894.48 | ..... | 10 |
| Montana | 174,063.73 | 50,694.71 | 4,335.00 | 89,034.02 | 30,000.00 | ..... | 3 |
| Nevada | 585,000.71 | 229,133.44 | 29,254.96 | 238,622.17 | 76,908.28 | 11,081.86 | 22 |
| New Jersey, Pennsylvania, and Virginia. | 843,239.79 | 244,674.72 | 46,480.00 | 479,654.48 | 71,080.59 | 1,350.00 | 19 |
| New Mexico and Texas | 705,265.14 | 257,958.95 | 19,170.00 | 369,248.14 | 52,356.00 | 6,532.05 | 10 |
| Utah ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

PRODUCTION OF SPELTER AND OXIDE OF ZINC IN THE UNITED STATES.

[Short tons.]

| STATES. | Number of establishments. | PRODUCT. | | STOCK. | | | | ORE. | |
|------------------------------|---------------------------|----------|----------------|---------------------------|---------------------------|---------------------------------|---------------------------------|--------------|-----------------------|
| | | Spelter. | Oxide of zinc. | Spelter, January 1, 1889. | Spelter, January 1, 1890. | Oxide of zinc, January 1, 1889. | Oxide of zinc, January 1, 1890. | Ore treated. | Value of ore treated. |
| Total | 21 | 58,860 | 16,070 | 2,781 | 2,402 | 1,425 | 1,261 | 196,309 | \$4,154,403.98 |
| Illinois and Wisconsin .. | 3 | 23,800 | 3,445 | 360 | 208 | 79 | 62 | 68,141 | 1,515,939.47 |
| Kansas | 6 | 13,658 | ..... | 800 | 1,075 | ..... | ..... | 41,995 | 1,178,662.73 |
| Missouri | 5 | 11,077 | 351 | ..... | ..... | 100 | 140 | 20,580 | 727,503.33 |
| New Jersey and Pennsylvania. | 4 | 7,075 | 13,174 | 1,041 | 845 | 1,252 | 1,059 | 53,617 | 590,738.45 |
| Tennessee and Virginia. | 3 | 3,190 | ..... | 580 | 304 | ..... | ..... | 13,976 | 141,560.00 |

| STATES. | Total wages and salaries. | LABOR. | | | | | | OFFICE FORCE. | |
|------------------------------|---------------------------|------------------|---------------------|------------|-----------|-------|---------|---------------|--|
| | | Total wages. (b) | Number of employes. | | | | Number. | Salaries. | |
| | | | Foremen. | Mechanics. | Laborers. | Boys. | | | |
| Total | \$1,563,260.43 | \$1,424,980.52 | 82 | 457 | 2,024 | 127 | 95 | \$140,270.91 | |
| Illinois and Wisconsin .. | 575,045.48 | 484,199.83 | 25 | 60 | 800 | 86 | 54 | 90,854.65 | |
| Kansas | 318,115.50 | 311,150.50 | 9 | 128 | 380 | 24 | 8 | 6,965.00 | |
| Missouri | 256,612.62 | 237,062.62 | 8 | 210 | 225 | 2 | 11 | 19,550.00 | |
| New Jersey and Pennsylvania. | 299,885.39 | 281,475.13 | 10 | 41 | 438 | ..... | 17 | 18,410.26 | |
| Tennessee and Virginia. | 115,601.44 | 111,101.44 | 24 | 12 | 181 | 15 | 5 | 4,500.00 | |

| STATES. | EXPENSES. | | | CAPITAL. | | | | |
|------------------------------|--|---|-----------------------------|----------------|--------------|-------------------------|-----------------------------------|--------------|
| | Expenses, exclusive of wages, salaries, raw materials, and supplies. | Value of supplies and materials consumed, exclusive of ore. | Amount paid to contractors. | Total capital. | Land. | Buildings and fixtures. | Tools, implements, and machinery. | Cash. |
| Total | \$210,913.39 | \$653,305.75 | \$15,318.84 | \$4,469,386.25 | \$613,000.00 | \$2,019,914.77 | \$975,856.50 | \$860,614.98 |
| Illinois and Wisconsin .. | 69,995.88 | 261,924.22 | ..... | 1,518,920.68 | 139,000.00 | 799,000.00 | 357,766.13 | 223,154.55 |
| Kansas | 42,900.00 | 48,500.00 | ..... | 538,500.00 | 64,000.00 | 281,000.00 | 38,500.00 | 155,000.00 |
| Missouri | 44,281.00 | 81,187.53 | ..... | 527,321.36 | 40,000.00 | 389,914.77 | 60,000.00 | 36,740.59 |
| New Jersey and Pennsylvania. | 43,885.51 | 210,344.00 | 15,318.84 | 1,644,644.21 | 350,000.00 | 410,000.00 | 449,924.37 | 434,719.84 |
| Tennessee and Virginia. | 9,850.00 | 51,350.00 | ..... | 240,000.00 | 20,000.00 | 140,000.00 | 69,000.00 | 11,000.00 |

a Includes 9,389 tons of sheet zinc.

b Wages paid during the year.

PRODUCTION OF SPELTER AND OXIDE OF ZINC IN THE UNITED STATES—Continued.

| STATES. | LENGTH OF EMPLOYMENT AND AVERAGE WAGES. | | | | | | | | POWER. | | | Number of animals. |
|------------------------------|---|----------------------------------|----------------------|----------------------------------|----------------------|----------------------------------|----------------------|----------------------------------|--------------------|-------------------------|--------------------|--------------------|
| | Foremen. | | Mechanics. | | Laborers. | | Boys. | | Number of boilers. | Horse power of boilers. | Number of engines. | |
| | Average daily wages. | Average number of days employed. | Average daily wages. | Average number of days employed. | Average daily wages. | Average number of days employed. | Average daily wages. | Average number of days employed. | | | | |
| Total | \$2.62 | 331 | \$1.93 | 333 | \$1.48 | 324 | \$0.68 | 287 | 115 | 5,171 | 33 | 165 |
| Illinois and Wisconsin. | 3.00 | 326 | 2.16 | 274 | 1.24 | 316 | 0.70 | 290 | 37 | 1,839 | 11 | 44 |
| Kansas | 2.45 | 356 | 1.93 | 357 | 1.74 | 336 | 0.75 | 306 | 13 | 370 | 6 | 37 |
| Missouri | 2.59 | 331 | 1.74 | 345 | 1.76 | 304 | 0.60 | 310 | 39 | 1,800 | 7 | 25 |
| New Jersey and Pennsylvania. | 2.38 | 343 | 2.36 | 298 | 1.60 | 342 | ..... | ..... | 24 | 1,102 | 7 | 59 |
| Tennessee and Virginia | 2.46 | 320 | 2.40 | 294 | 1.35 | 314 | 0.50 | 240 | 2 | 60 | 2 | ..... |

QUICKSILVER.

EXPENDITURES IN THE PRODUCTION OF QUICKSILVER IN CALIFORNIA IN 1889, NUMBER OF FLASKS PRODUCED, ETC.

| | |
|--|----------------------|
| Number of establishments | 11 |
| Value of all supplies | <i>a</i> \$219,622 |
| Aggregate of all wages | \$626,289 |
| Total of all other expenditures | \$35,490 |
| Number of flasks of quicksilver produced | <i>b</i> 26,464 |
| Average cost per flask | <i>c</i> \$33.31 |
| Value of year's production | \$1,190,500 |
| Operating expenses | \$881,401 |
| Capital invested | <i>d</i> \$1,333,114 |

a For one small mine estimated; correct amount unobtainable.
b One mine in Oregon produced 20 flasks, the total product in that state. They are not included, being less than \$1,000 in value.
c At one mine, ore mined but not roasted, and therefore omitted in average cost per flask.
d Estimated.

TIN.

Tin mining in the United States presents the exceptional condition of an industry giving employment to many persons, but which at the end of the census year had not reached the stage of a commercial product. The industry has been in this position since 1884. The open question is, whether the industry will be profitable and therefore permanent. Tin is produced in comparatively few localities. 4 states are at present concerned with enterprises for producing tin, as follows: California, South Dakota, Virginia, and Wyoming. The following table shows the amount of work done in each state in this direction:

TIN STATISTICS FOR THE YEAR 1889.

| STATES. | Total output of tin-bearing rock. (Short tons.) | Total capital. | Total amount paid for wages. | Other expenditures. |
|----------------------------|---|----------------|------------------------------|---------------------|
| California | 5,000 | \$650,000 | \$18,464 | \$12,065 |
| South Dakota | 22,000 | 200,000 | 181,783 | 48,752 |
| Virginia | 1,000 | 48,000 | 1,800 | ..... |
| Wyoming (<i>a</i>) ..... | ..... | ..... | ..... | ..... |

a No work in the census year.

NICKEL AND COBALT.

During the year 1889 ores containing nickel and cobalt were produced at Lancaster Gap, Pennsylvania, at Mine La Motte, Missouri, and at Lovelock station, Nevada. The great feature of the year was the diversion of attention in nickel mining to the nickel-bearing copper ores of the Sudbury region in Canada. In spite of the fact that the favorable outlook for nickel production in Canada kept the more experienced nickel producers from investing elsewhere, there was much activity in prospecting for nickel at various points in the United States.

EMPLOYEES.

| CLASSIFICATION. | Number. | Usual rate of wages. | Number of days worked. |
|-----------------|---------|----------------------|------------------------|
| Total | 187 | | |
| Above ground: | | | |
| Foremen | 2 | \$2.61 | 201 |
| Mechanics | 16 | 2.02 | 215 |
| Laborers | 85 | 1.11 | 262 |
| Boys | 10 | 0.60 | 290 |
| Below ground: | | | |
| Foremen | 2 | 3.30 | 336 |
| Miners | 33 | 2.45 | 265 |
| Laborers | 33 | 1.40 | 274 |
| Office force: | | | |
| Males | 6 | | |

EXPENDITURES.

| | |
|----------------------------|----------|
| In wages | \$84,200 |
| Paid to contractors | 2,000 |
| Paid to office force | 9,600 |
| Total | 95,800 |
| Paid for supplies | 29,236 |
| Other expenditures | 1,151 |
| Total expenditures | 126,187 |

CAPITAL.

| | |
|--------------------|---------|
| In land | 184,800 |
| In buildings | 43,200 |
| In machinery | 51,000 |
| Total | 279,000 |

POWER.

| | |
|-------------------------------|-----|
| Number of boilers | 6 |
| Aggregate horse power | 140 |
| Number of steam engines | 6 |
| Animals | 54 |

PRODUCT AND VALUE.

| | |
|---|----------|
| Product in matte (a) (short tons) | 1,151 |
| Total value of matte at the mines | \$40,000 |

a The metallic nickel produced from the matte which constitutes the yield from ores of the United States amounted to 217,663 pounds, accompanied as a by-product by 12,955 pounds of the pigment cobalt oxide.

ALUMINUM.

Aluminum has been attracting an amount of attention during the last 2 or 3 years which is out of proportion to its actual (1890) importance as a metal and the position in the arts which it has hitherto occupied. In the last decade electro-metallurgical processes for obtaining aluminum have become favorite subjects for patents with inventors. The 2 which have been commercially successful in this country will serve as types of all. The earlier of these, the Cowles process, was established in 1885. It is at present (1890) confined to the production of aluminum alloys, viz., aluminum bronze (and brass) and ferroaluminum. This process consists in passing the current from a powerful dynamo through a mixture of alumina (in the form of corundum, bauxite, etc.), carbon, and pieces of copper contained in a suitable vessel lined with carbon, through the ends of which vessel the large terminals of the dynamo are inserted. The mixture is arranged so as to prevent short circuiting. On passing the current the alumina is reduced in the presence of carbon and unites with the melted copper to form an alloy rich in aluminum. This alloy is afterward remelted, and enough copper is added to reduce the aluminum contents to the proportions desired.

PRODUCTS OF ALUMINUM BRONZE.

| YEARS. | Pounds. | Value. |
|-----------|----------------|--------------------|
| 1885..... | 4,000 to 5,000 | \$1,600 to \$2,000 |
| 1886..... | 50,000 | 20,000 |
| 1887..... | 144,764 | 57,000 |

Ferroaluminum is made by the same process by which the bronze is made, but substituting iron for copper. The alloy, containing from 5 to 10 per cent of aluminum, is used as a vehicle for introducing aluminum into molten iron. An idea of the growing demand for ferroaluminum for this metallurgical use is obtained from the statement that there were made in 1886 from 2,000 to 3,000 pounds, valued at from \$780 to \$1,170, and in 1887, 42,617 pounds, valued at \$16,621. The total aluminum alloys produced in 1889 amounted to 171,759 pounds.

The Herault process, which, like the Cowles, makes aluminum alloys, had not been put into commercial operation in this country up to the close of the census year.

In the United States the extraction of aluminum itself, also effected by dynamo electricity, is a new industry. The process consists in forming a fused bath of the fluorides of aluminum, calcium, and sodium, to which calcium chloride is subsequently added, by melting a mixture of cryolite, aluminum fluoride, and fluorspar in a suitable vessel lined with carbon, adding alumina thereto, and then separating the aluminum by the current from a dynamo, the carbon electrodes of which dip into the bath. The process is continuous, because the alumina is renewed as it becomes exhausted. The fused bath is of less specific gravity than the aluminum set free, which therefore sinks to the bottom of the vessel. If alloys are desired, the negative electrode is formed of the metal which it is desired to alloy with aluminum. Variations in the composition of the bath are described in the different patent specifications. This mode produced 19,200 pounds of aluminum in 1889, which was sold at \$2 per pound in quantity. The total production of aluminum in the United States during 1889, including that contained in alloys, was 47,468 pounds, with a total value of \$97,335.

MANGANESE.

PRODUCTION OF MANGANESE ORES IN THE UNITED STATES IN 1889.

| STATES. | Production. (Tons.) | Total value. | Value per ton. | Num- ber of em- ployés. | Total wages paid. | CAPITAL INVESTED. | | | | |
|---------------------|------------------------|-----------------|-------------------|----------------------------------|-------------------------|-------------------|-------------|---|---|---|
| | | | | | | Total. | In land. | In build- ings and fix- tures. | In tools, live stock, machinery, and sup- plies on hand. | All other items, including cash. |
| Total | 24,197 | \$240,559 | \$9.94 | 432 | \$123,958 | \$2,188,950 | \$1,618,650 | \$98,700 | \$233,750 | \$237,850 |
| Arkansas..... | 2,528 | 23,173 | 9.17 | 96 | 33,191 | 1,215,000 | 1,100,900 | 38,500 | 35,600 | 40,000 |
| California..... | 53 | 901 | 17.00 | 10 | 1,149 | 2,400 | 2,000 | 400 | | |
| Georgia..... | 5,208 | 50,143 | 9.63 | 117 | 19,486 | 247,350 | 163,250 | 32,800 | 21,900 | 29,400 |
| Nevada..... | 15 | 83 | 5.53 | 2 | 53 | 600 | | | | 600 |
| North Carolina..... | 47 | 470 | 10.00 | 2 | 160 | 250 | | | | 250 |
| South Carolina..... | 124 | 744 | 6.00 | 6 | 400 | 5,000 | 2,500 | 750 | 250 | 1,500 |
| Tennessee..... | 30 | 120 | 4.00 | 3 | 70 | 100 | | | | 100 |
| Vermont..... | 1,576 | 8,668 | 5.50 | 25 | 3,510 | 7,250 | | 1,250 | 1,000 | 5,000 |
| Virginia..... | 14,616 | 156,257 | 10.69 | 171 | 65,939 | 711,000 | 350,000 | 25,000 | 175,000 | 161,000 |

CHROMIC IRON ORE.

The production of chromic iron ore is exceptionally irregular, because the companies that make the bichromates of sodium and potassium from it are independent of the domestic product and can obtain as much as they need from Turkey. At present the domestic ore is produced only in California. It occurs in many counties, in disconnected masses imbedded in the country rock, serpentine, and in uncertain quantities. The quality is lower than that of the ore from Turkey.

STATISTICS OF CHROMIC IRON ORE PRODUCTION IN CALIFORNIA AT THE ELEVENTH CENSUS.

| | |
|---------------------------------------|----------|
| Product (long tons)..... | 2,000 |
| Value delivered at San Francisco..... | \$30,000 |
| Number of employés..... | 30 |
| Number of mines..... | 6 |
| Total expenditure for wages..... | \$6,000 |
| Other expenditures..... | \$4,000 |
| Total capital invested..... | \$8,000 |

The value given is that in San Francisco.

ANTIMONY.

The amount of antimony ore produced in the United States in 1889 was 265 short tons. The Nevada ore is smelted in San Francisco. That produced in Arkansas was shipped to Philadelphia for reduction. The amount and value of the star regulus obtained from the ore was as follows:

AMOUNT AND VALUE OF STAR REGULUS PRODUCED IN THE UNITED STATES IN 1889.

| STATES. | Total ore smelted. (Short tons.) | Star regulus produced. (Short tons.) | Value. |
|---------------|--|--|----------|
| Total | 265 | 115 | \$28,000 |
| Arkansas..... | 65 | 25 | \$10,000 |
| Nevada..... | 200 | 90 | \$18,000 |

^a At Philadelphia.

^b At San Francisco.

COAL.

COMPARATIVE SUMMARY OF THE COAL INDUSTRY AT THE ELEVENTH AND TENTH CENSUSES.

| CENSUSES. | Product. (Short tons.) | Value at mines. | Number of per- sons employed. | Amount of wages paid. | Capital invested. |
|----------------|---------------------------|--------------------|----------------------------------|--------------------------|----------------------------|
| Eleventh | 141,229,513 | \$160,226,323 | 299,552 | \$109,130,928 | ^a \$342,757,929 |
| Tenth | 671,481,570 | 95,640,396 | 170,867 | 55,276,055 | ^c 261,166,970 |
| Increase..... | 69,747,943 | 64,585,927 | 128,692 | 53,854,873 | 81,590,959 |
| Per cent..... | 97.57 | 07.53 | 75.32 | 97.43 | 31.24 |

^a In the capital invested reported for the Eleventh Census only the lands actually under development are considered.

^b Including Indian territory, not returned in the Tenth Census reports.

^c This amount includes estimated value of undeveloped coal lands.

GENERAL STATISTICS OF COAL MINING IN THE UNITED STATES AT THE ELEVENTH CENSUS.

| STATES AND TERRITORIES. | MINES. | | Total pro- duction of coal. (Short tons.) | Total amount re- ceived for coal. | Aver- age price per ton. | Total number of em- ployés. | EXPENDITURES. | | Capital in- vested. |
|--|---------------|---------------|---|--|--------------------------------------|--------------------------------------|-------------------------|------------------------------------|------------------------|
| | Regn- lar. | Local. (a) | | | | | Total of wages paid. | Total of all expendi- tures. | |
| Grand total..... | 2,583 | 9,969 | 141,229,513 | ^b \$160,226,323 | ^b \$1.17 | 299,552 | \$109,130,928 | \$146,596,280 | \$342,757,929 |
| Bituminous..... | 2,218 | 9,920 | 95,629,026 | 94,346,809 | 0.99 | 175,242 | 69,765,711 | 85,824,103 | 180,722,310 |
| Alabama..... | 57 | 22 | 3,572,983 | 3,961,491 | 1.11 | 6,975 | 3,267,857 | 3,726,939 | 12,535,194 |
| Arkansas..... | 11 | 16 | 279,584 | 295,836 | 1.42 | 686 | 252,679 | 308,711 | 1,289,751 |
| California and Oregon..... | 9 | 1 | 184,179 | 434,382 | 2.36 | 419 | 248,440 | 364,942 | 526,750 |
| Colorado..... | 63 | 40 | 2,544,144 | 3,843,992 | 1.51 | 4,872 | 2,724,800 | 3,035,298 | 12,611,849 |
| Illinois..... | 358 | 714 | 12,104,272 | 11,755,203 | 0.97 | 24,323 | 8,694,347 | 10,366,069 | 17,630,351 |
| Indiana..... | 94 | 256 | 2,845,057 | 2,887,852 | 1.02 | 6,532 | 2,201,044 | 2,581,669 | 3,435,703 |
| Indian territory..... | 15 | ..... | 752,892 | 1,323,807 | 1.76 | 1,873 | 927,267 | 1,172,821 | 1,492,009 |
| Iowa..... | 166 | 226 | 4,095,358 | 5,426,509 | 1.33 | 9,384 | 3,956,788 | 4,732,950 | 6,279,179 |
| Kansas and Nebraska..... | 127 | 297 | 2,222,443 | 3,301,788 | 1.49 | 6,069 | 2,320,588 | 2,730,782 | 3,488,539 |
| Kentucky..... | 79 | 1,762 | 2,399,755 | 2,374,339 | 0.99 | 5,260 | 1,756,363 | 2,156,548 | 6,581,380 |
| Maryland..... | 31 | 50 | 2,929,715 | 2,517,474 | 0.86 | 3,741 | 1,730,687 | 2,061,058 | 18,025,367 |
| Michigan..... | 6 | 6 | 67,431 | 115,011 | 1.71 | 265 | 93,594 | 113,714 | 49,650 |
| Missouri..... | 122 | 356 | 2,557,823 | 3,470,657 | 1.36 | 6,730 | 2,538,273 | 2,846,137 | 3,092,293 |
| Montana..... | 8 | 22 | 363,301 | 880,773 | 2.42 | 857 | 587,538 | 649,674 | 1,153,076 |
| New Mexico..... | 17 | 11 | 486,403 | 870,468 | 1.79 | 1,028 | 604,543 | 776,896 | 995,717 |
| North Carolina and Georgia..... | 2 | 1 | 236,156 | 339,382 | 1.50 | 733 | 265,464 | 426,065 | 724,500 |
| North Dakota..... | 5 | 397 | 28,907 | 41,431 | 1.43 | 76 | 18,460 | 21,740 | 66,580 |
| Ohio..... | 323 | 1,745 | 9,976,787 | 9,355,400 | 0.94 | 19,591 | 6,892,604 | 8,232,183 | 14,018,236 |
| Pennsylvania..... | 525 | 2,049 | 36,174,089 | 27,953,315 | 0.77 | 53,712 | 20,738,647 | 25,977,166 | 53,322,330 |
| Tennessee..... | 39 | 43 | 1,925,689 | 2,338,309 | 1.21 | 4,108 | 1,600,310 | 2,113,292 | 4,362,711 |
| Texas..... | 4 | 6 | 128,216 | 340,620 | 2.66 | 549 | 256,834 | 324,157 | 807,335 |
| Utah..... | 4 | 7 | 236,651 | 377,456 | 1.59 | 565 | 268,570 | 342,796 | 844,560 |
| Virginia..... | 11 | 47 | 865,780 | 804,475 | 0.93 | 1,555 | 621,266 | 682,408 | 1,055,516 |
| Washington..... | 12 | ..... | 1,030,578 | 2,399,238 | 2.32 | 2,695 | 1,747,080 | 2,254,486 | 3,186,441 |
| West Virginia..... | 115 | 890 | 6,231,880 | 5,086,584 | 0.82 | 9,952 | 3,888,712 | 4,841,796 | 10,508,050 |
| Wyoming..... | 15 | 10 | 1,388,947 | 1,748,617 | 1.26 | 2,692 | 1,553,947 | 1,823,956 | 2,230,252 |
| Anthracite..... | 365 | 49 | 45,000,487 | 665,879,514 | 61.58 | 124,310 | 39,365,217 | 61,212,087 | 162,035,610 |
| Pennsylvania..... | 362 | 49 | 45,544,970 | 665,721,578 | 61.58 | 124,203 | 39,278,355 | 61,109,958 | 161,784,473 |
| Colorado, New Mexico, and Rhode Island..... | 3 | ..... | 55,517 | 157,936 | 2.84 | 107 | 86,862 | 102,129 | 251,137 |

^a Local mines are not considered in the tables relating to labor, expenditures, and the value of lands and improvements.

^b Not including value of anthracite used for steam at the mines.

AREA AND PRODUCT OF THE COAL FIELDS OF THE UNITED STATES.

| FIELDS. | ELEVENTH CENSUS. | | TENTH CENSUS. | |
|---|-----------------------------|------------------------------|-----------------------------|------------------------------|
| | Area. (Square miles.) | Production. (Short tons.) | Area. (Square miles.) | Production. (Short tons.) |
| Grand total | | 141,229,513 | | 71,481,570 |
| Anthracite..... | 985 | 45,600,487 | 970 | 28,640,812 |
| New England basin (Rhode Island and Massachusetts)..... | 500 | 2,000 | 500 | 6,176 |
| Pennsylvania..... | 470 | 45,544,970 | 470 | 28,640,819 |
| Virginia..... | | | | 2,817 |
| Colorado and New Mexico..... | 15 | 53,517 | | |
| Bituminous: | | | | |
| Triassic..... | 2,885 | 40,633 | 2,880 | 40,870 |
| Virginia..... | 185 | 49,411 | 180 | 40,520 |
| North Carolina..... | 2,700 | 222 | 2,700 | 350 |
| Appalachian..... | 61,510 | 62,972,222 | 58,695 | 29,834,622 |
| Pennsylvania..... | 9,000 | 36,174,089 | 9,000 | 18,425,163 |
| Ohio..... | 10,000 | 9,976,787 | 10,000 | 6,008,595 |
| Maryland..... | 550 | 2,930,715 | 550 | 2,228,917 |
| Virginia..... | 2,000 | 816,375 | 185 | 2,550 |
| West Virginia..... | 16,000 | 6,231,880 | 16,000 | 1,829,844 |
| Eastern Kentucky..... | 10,000 | 1,108,770 | 9,000 | 365,797 |
| Tennessee..... | 5,100 | 1,925,689 | 5,100 | 495,131 |
| Georgia..... | 200 | 225,934 | 200 | 154,644 |
| Alabama..... | 8,660 | 3,572,983 | 8,660 | 323,972 |
| Northern--Michigan..... | 7,000 | 67,431 | 6,700 | 100,800 |
| Central..... | 48,000 | 16,240,314 | 47,250 | 8,150,105 |
| Indiana..... | 7,000 | 2,845,057 | 6,450 | 1,454,327 |
| Western Kentucky..... | 4,000 | 1,200,985 | 4,000 | 580,491 |
| Illinois..... | 37,000 | 12,194,272 | 36,800 | 6,115,377 |
| Western..... | 98,700 | 10,036,256 | 98,430 | 3,212,787 |
| Iowa..... | 18,000 | 4,095,358 | 18,000 | 1,461,116 |
| Missouri..... | 26,900 | 2,557,823 | 26,887 | 844,304 |
| Nebraska..... | 3,200 | | 3,000 | |
| Kansas..... | 17,000 | 2,222,443 | 17,000 | 771,642 |
| Arkansas..... | 9,100 | 279,584 | 9,043 | 14,778 |
| Indian territory..... | 20,000 | 752,832 | 20,000 | a120,947 |
| Texas..... | 4,500 | 128,216 | 4,500 | |
| Rocky Mountain..... | | 5,048,413 | | 1,067,314 |
| Dakota..... | | 28,907 | | |
| Montana..... | | 363,301 | | 224 |
| Wyoming..... | | 1,388,947 | | 580,595 |
| Utah..... | | 236,651 | | 14,748 |
| Colorado..... | | 2,544,144 | | 462,747 |
| New Mexico..... | | 486,403 | | |
| Pacific coast..... | | 1,214,757 | | 425,170 |
| Washington..... | | 1,030,578 | | 145,015 |
| Oregon..... | | 64,359 | | 43,205 |
| California..... | | 119,820 | | 236,950 |

a Not returned in the Tenth Census reports.

PETROLEUM.

PRODUCTION, VALUE, ETC., OF CRUDE PETROLEUM IN 1889, ACCORDING TO USES, BY STATES.

| STATES. | TOTAL. | | | ILLUMINATING. | | |
|---------------------------------|---------------------------|--------------|------------------------|---------------------------|--------------|------------------------|
| | Production. (Barrels.) | Value. | Average per barrel. | Production. (Barrels.) | Value. | Average per barrel. |
| Total | 35,163,513 | \$26,963,340 | \$0.76½ | 22,649,847 | \$24,569,190 | \$1.08½ |
| Pennsylvania and New York | 21,487,435 | 23,475,163 | 1.09½ | 21,393,150 | 23,225,453 | 1.08½ |
| Ohio | 12,471,406 | 2,173,995 | 0.17½ | 317,037 | 340,683 | 1.07½ |
| West Virginia | 544,113 | 653,827 | 1.20½ | 520,511 | 595,730 | 1.14½ |
| Colorado | 316,476 | 280,240 | 0.88½ | 316,476 | 280,240 | 0.88½ |
| California | 363,230 | 356,048 | 1.17½ | 97,264 | 121,084 | 1.25½ |
| Indiana | 33,375 | 10,881 | 0.32½ | | | |
| Kentucky | 5,400 | 5,400 | 1.00 | 5,400 | 5,400 | 1.00 |
| Other states (a) | 2,028 | 7,786 | | | | |

| STATES. | LUBRICATING. | | | FUEL. | | |
|---------------------------------|---------------------------|-----------|------------------------|---------------------------|-------------|------------------------|
| | Production. (Barrels.) | Value. | Average per barrel. | Production. (Barrels.) | Value. | Average per barrel. |
| Total | 121,146 | \$925,927 | \$2.69 | 12,392,520 | \$2,068,223 | \$0.16½ |
| Pennsylvania and New York | 94,276 | 249,710 | 2.64½ | | | |
| Ohio | 1,240 | 10,334 | 8.33½ | 12,153,189 | 1,822,978 | 0.15 |
| West Virginia | 23,602 | 58,097 | 2.49½ | | | |
| Colorado | | | | | | |
| California | | | | 205,956 | 234,304 | 1.13½ |
| Indiana | | | | 33,375 | 16,881 | 0.32½ |
| Kentucky | | | | | | |
| Other states (a) | 2,028 | 7,786 | | | | |

a The states here grouped for the protection of private interests embrace Illinois, Kansas, Missouri, and Texas.

NUMBER OF PRODUCING PETROLEUM WELLS, CAPITAL INVESTED IN LAND AND WELLS, NUMBER OF EMPLOYÉS, AND WAGES PAID, BY STATES: 1889.

| STATES. | NUMBER OF PRODUCING PETRO- LEUM WELLS, BY STATES, DECEMBER 31. | | | CAPITAL INVESTED, NUMBER EMPLOYED, AND WAGES PAID. | | |
|---------------------------------|--|----------|----------|---|------------------------|----------------|
| | Total. | Flowing. | Pumping. | Capital invested. | Number of employés. | Wages paid. |
| Total | 35,163 | 3,209 | 31,954 | \$114,167,370 | 22,639 | \$8,540,900 |
| Pennsylvania and New York | 31,768 | 2,398 | 29,370 | 89,562,008 | 19,832 | 7,423,781 |
| Ohio | 2,640 | 785 | 1,855 | 17,771,152 | 2,123 | 836,377 |
| West Virginia | 623 | 23 | 600 | 1,472,598 | 339 | 160,974 |
| Colorado | 22 | | 22 | 3,000,000 | 80 | 34,632 |
| California | 89 | | 89 | 2,186,958 | 95 | 75,056 |
| Indiana | 3 | 3 | | 49,918 | 34 | 6,080 |
| Kentucky | 6 | | 6 | 25,000 | 14 | 3,050 |
| Other states (a) | 12 | | 12 | 89,736 | 12 | 6,950 |

a The states here grouped for the protection of private interests embrace Illinois, Kansas, Missouri, and Texas.

NATURAL GAS.

VALUE OF NATURAL GAS CONSUMED IN THE UNITED STATES IN 1889, BY STATES, AND THE AMOUNT AND VALUE OF COAL AND WOOD DISPLACED BY THE SAME.

| STATES AND TERRITORIES. | Value of natural gas supplied and used. | COAL DISPLACED. | | WOOD DISPLACED. | |
|---|---|-----------------|----------------|-----------------|------------|
| | | Tons. | Value. | Cords. | Value. |
| Grand total | \$11, 044, 858 | 10, 198, 930 | \$20, 932, 059 | 69, 018 | \$165, 040 |
| Total | 11, 044, 858 | 9, 398, 930 | 19, 332, 059 | 69, 018 | 165, 040 |
| Pennsylvania | 8, 287, 383 | 6, 863, 062 | 11, 593, 989 | ..... | ..... |
| Indiana | 1, 362, 472 | 716, 461 | 2, 002, 762 | 44, 888 | 72, 940 |
| Ohio | 1, 120, 997 | 1, 680, 456 | 5, 123, 569 | 24, 130 | 92, 100 |
| New York | 204, 925 | 130, 159 | 530, 026 | ..... | ..... |
| Kansas | 13, 600 | 4, 538 | 15, 873 | ..... | ..... |
| California | 12, 080 | 3, 517 | 12, 680 | ..... | ..... |
| Illinois | 8, 058 | 7, 245 | 10, 615 | ..... | ..... |
| Kentucky | 2, 580 | 615 | 2, 580 | ..... | ..... |
| West Virginia | 2, 000 | 600 | 2, 000 | ..... | ..... |
| Texas | 1, 728 | 288 | 1, 728 | ..... | ..... |
| Arkansas | 375 | 107 | 375 | ..... | ..... |
| Utah | 150 | 18 | 150 | ..... | ..... |
| Other states (a) | 27, 850 | 11, 864 | 35, 712 | ..... | ..... |
| Used at pipe lines ..... | ..... | 100, 000 | 200, 000 | ..... | ..... |
| Used for drilling and pumping wells ..... | ..... | 400, 000 | 800, 000 | ..... | ..... |
| Other uses ..... | ..... | 300, 000 | 600, 000 | ..... | ..... |

CAPITAL INVESTED, NUMBER EMPLOYED, WAGES PAID, EXPENDITURES FOR MATERIALS IN THE NATURAL GAS INDUSTRY, BY STATES: 1889.

| STATES AND TERRITORIES. | Capital invested. | Number of employes. | Wages paid. | Expenditures for materials. |
|-------------------------|-------------------|---------------------|---------------|-----------------------------|
| Total | \$50, 682, 154 | 6, 084 | \$1, 730, 389 | \$13, 184, 497 |
| Pennsylvania | 34, 398, 892 | 3, 282 | 1, 002, 709 | 4, 963, 780 |
| Indiana | 8, 205, 813 | 2, 007 | 341, 851 | 1, 621, 072 |
| Ohio | 12, 953, 750 | 983 | 241, 218 | 5, 722, 865 |
| New York | 1, 162, 429 | 357 | 34, 235 | 511, 141 |
| Kansas | 160, 000 | 3 | 2, 100 | 14, 705 |
| California | 51, 750 | ..... | ..... | 90 |
| Illinois | 45, 220 | 5 | 1, 222 | 17, 600 |
| Kentucky | 2, 146, 400 | 21 | 13, 016 | 15, 644 |
| West Virginia | 114, 700 | 6 | 1, 800 | ..... |
| Texas | 80, 000 | 3 | 1, 980 | ..... |
| Arkansas | 24, 000 | 4 | 2, 500 | ..... |
| Utah | 3, 000 | ..... | ..... | ..... |
| New Mexico | 3, 000 | 4 | 2, 000 | ..... |
| Tennessee | 14, 500 | ..... | ..... | ..... |
| Wisconsin | 4, 100 | 6 | 1, 600 | 3, 400 |
| Other states (a) | 314, 060 | 3 | 158 | 14, 200 |

^a The states here grouped for the protection of private interests embrace Missouri and South Dakota.

ESTIMATED TOTAL CONSUMPTION OF NATURAL GAS IN THE UNITED STATES IN 1889.

| | CUBIC FEET. |
|--|--------------------|
| Iron and steel mills | 171, 500, 000, 000 |
| Glass works | 18, 750, 000, 000 |
| Other industrial establishments | 236, 900, 000, 000 |
| Heating and cooking | 62, 500, 000, 000 |
| Pumping oil | 7, 500, 000, 000 |
| Drilling and operating oil and gas wells | 30, 000, 000, 000 |
| Other uses | 25, 000, 000, 000 |
| Total | 552, 150, 000, 000 |

ASPHALTUM.

ASPHALTUM PRODUCED IN THE UNITED STATES IN 1889.

| STATES. | Product. (Short tons.) | Value. |
|------------------------------------|---------------------------|-----------|
| Total | 51,735 | \$171,537 |
| California (bituminous rock) | 47,968 | 126,835 |
| Kentucky (bituminous rock) | 112 | 252 |
| Utah (bituminous rock) | 3,163 | 15,000 |
| Utah (gilsonite) | 492 | 29,400 |

WAGES AND OTHER EXPENSES AT ASPHALTUM MINES IN 1889.

| | |
|--|----------|
| Wages paid— | |
| Labor | \$63,503 |
| Office force at the mines | 3,000 |
| | \$66,503 |
| Paid to contractors | 8,340 |
| Paid for supplies | 13,884 |
| All other expenses (rent, insurance, taxes, interest, commissions, etc.) | 9,610 |
| Total | 98,337 |

CAPITAL INVESTED IN 1889.

| | |
|--|-------------|
| In land | \$2,429,300 |
| In buildings, machinery, etc | 37,100 |
| In tools, implements, live stock, etc | 139,600 |
| Cash (not included in foregoing items) | 45,500 |
| Total | 2,651,500 |

OZOCERITE.

One of the forms of bitumen possesses such peculiar properties as to entitle it to treatment under a separate head. This is what is known as "mineral wax", or ozocerite. Asphaltum exists in a number of forms, from semiliquid to solid, having qualities similar to pitch or tar, but without any constant chemical composition, and its varieties are as numerous as the localities producing it. Ozocerite, on the other hand, belongs to the series of hydrocarbon compounds which includes marsh gas, petroleum, and paraffin. To the last mentioned it is very similar in appearance. It is colorless to white when pure, but frequently occurs leek green, yellow, and brown.

The only locality formerly producing mineral wax was in the province of Galicia, in Austria. Mining began there in 1862. For 26 years production was limited to that locality, but in 1888 American ozocerite began to receive the attention of the trade. The mineral had been known to exist in Utah for some years, but whether in paying quantity was not satisfactorily determined until August, 1888.

During 1888 and 1889 most of the work done was in the way of development, but in the latter year there were incidentally produced 75,000 pounds of crude ozocerite. Of this product about one-third was lost in refining, the amount of refined ozocerite being 50,000, valued at \$2,500. The product for 1888 was estimated at 65,000 pounds of crude mineral. The figures regarding expenses and capital for 1889 are withheld from publication for the protection of individual interests.

MINERAL INDUSTRIES.

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STONE.

SUMMARY OF STATISTICS OF STONE PRODUCT IN THE UNITED STATES IN 1889.

| KINDS OF STONE. | Number of quarries. | Total value. | EXPENSES. | | | | Capital invested. | POWER. | | | |
|-----------------|---------------------|--------------|-----------------|--------------|-------------------------|---------------------|-------------------|--------------------|-------------------------------|------------------------------|-----------------------------|
| | | | Total expenses. | Wages. | Supplies and materials. | Other expenditures. | | Number of boilers. | Total horse power of boilers. | Horse power of water wheels. | Number of animals employed. |
| Total .. | 4,163 | \$53,035,620 | \$40,772,803 | \$30,555,877 | \$7,923,220 | \$2,293,706 | \$90,212,433 | 2,544 | 72,209 | 4,297 | 14,069 |
| Granite..... | 874 | 14,464,095 | 11,504,021 | 9,620,485 | 1,446,485 | 437,051 | 19,115,440 | 556 | 15,119 | 80 | 2,980 |
| Marble..... | 103 | 3,488,170 | 2,075,069 | 1,809,211 | 655,586 | 210,272 | 15,092,842 | 206 | 8,022 | 3,370 | 693 |
| Limestone .. | 1,954 | 19,095,179 | 15,092,714 | 10,121,985 | 4,227,246 | 743,483 | 27,022,325 | 926 | 21,945 | 417 | 6,982 |
| Sandstone .. | 803 | 10,816,057 | 8,130,295 | 6,257,580 | 1,277,004 | 595,711 | 17,776,467 | 553 | 15,182 | 165 | 2,851 |
| Bluestone... | 217 | 1,689,606 | 608,582 | 527,634 | 34,785 | 46,163 | 635,757 | 12 | 169 | ..... | 183 |
| Slate..... | 212 | 3,482,513 | 2,762,122 | 2,218,982 | 282,114 | 261,026 | 10,569,593 | 291 | 11,772 | 265 | 400 |

STATISTICS OF STONE OF ALL KINDS, 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | NUMBER OF QUARRIES. | | TOTAL VALUE OF PRODUCTS. | | STATES AND TERRITORIES. | NUMBER OF QUARRIES. | | TOTAL VALUE OF PRODUCT. | |
|-------------------------|---------------------|---------|--------------------------|--------------|-------------------------|---------------------|---------|-------------------------|-----------|
| | Rank. | Number. | Rank. | Amount. | | Rank. | Number. | Rank. | Amount. |
| Total ..... | ..... | 4,163 | ..... | \$53,035,620 | Montana..... | 36 | 11 | 35 | \$116,612 |
| Alabama..... | 28 | 26 | 26 | 368,779 | Nebraska..... | 27 | 29 | 32 | 207,019 |
| Arizona..... | 42 | 3 | 42 | 13,309 | Nevada..... | 44 | 2 | 44 | 3,329 |
| Arkansas..... | 31 | 17 | 30 | 48,674 | New Hampshire.. | 17 | 80 | 19 | 731,281 |
| California..... | 11 | 120 | 9 | 2,126,515 | New Jersey..... | 16 | 90 | 14 | 1,172,119 |
| Colorado..... | 15 | 96 | 12 | 1,676,862 | New Mexico..... | 30 | 18 | 33 | 190,666 |
| Connecticut .. | 18 | 75 | 10 | 2,112,960 | New York..... | 3 | 404 | 3 | 4,418,143 |
| Delaware..... | 41 | 5 | 31 | 211,194 | North Carolina.. | 29 | 24 | 34 | 158,627 |
| Florida..... | 43 | 2 | 43 | 7,256 | Ohio..... | 2 | 413 | 2 | 4,561,590 |
| Georgia..... | 22 | 41 | 16 | 990,217 | Oregon..... | 39 | 7 | 36 | 93,574 |
| Idaho..... | 40 | 6 | 40 | 33,535 | Pennsylvania..... | 1 | 776 | 1 | 7,319,199 |
| Illinois..... | 13 | 114 | 8 | 2,208,503 | Rhode Island..... | 23 | 40 | 17 | 980,011 |
| Indiana..... | 6 | 183 | 11 | 1,933,319 | South Carolina.. | 37 | 11 | 38 | 62,134 |
| Iowa..... | 8 | 154 | 22 | 611,114 | South Dakota..... | 32 | 16 | 25 | 398,743 |
| Kansas..... | 10 | 132 | 21 | 628,111 | Tennessee..... | 21 | 44 | 23 | 495,217 |
| Kentucky..... | 19 | 65 | 24 | 421,254 | Texas..... | 25 | 33 | 29 | 255,036 |
| Maine..... | 4 | 221 | 4 | 3,068,838 | Utah..... | 34 | 14 | 37 | 84,574 |
| Maryland..... | 20 | 65 | 18 | 872,778 | Vermont..... | 7 | 167 | 5 | 3,789,709 |
| Massachusetts.. | 5 | 185 | 6 | 3,307,578 | Virginia..... | 26 | 31 | 20 | 658,650 |
| Michigan..... | 33 | 15 | 27 | 347,522 | Washington..... | 35 | 14 | 28 | 317,223 |
| Minnesota..... | 14 | 102 | 15 | 1,102,008 | West Virginia... | 24 | 35 | 30 | 234,543 |
| Missouri..... | 9 | 150 | 7 | 2,516,159 | Wisconsin..... | 12 | 119 | 13 | 1,264,016 |
| | | | | | Wyoming..... | 38 | 8 | 41 | 17,120 |

GRANITE.

PRODUCTION OF GRANITE IN THE UNITED STATES FOR THE CALENDAR YEAR 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Number of firms producing in 1889. | Number of quarries. | PRODUCT. | | Total expenses incurred in producing entire amount of granite. | Total capital. |
|-------------------------|------------------------------------|---------------------|-------------|--------------|--|----------------|
| | | | Cubic feet. | Total value. | | |
| Total | 814 | 874 | 62,287,156 | \$14,404,095 | \$11,504,021 | \$10,115,449 |
| California..... | 76 | 76 | 4,761,411 | 1,329,018 | 973,276 | 2,829,794 |
| Colorado..... | 10 | 10 | 2,677,465 | 314,673 | 214,180 | 315,485 |
| Connecticut..... | 49 | 53 | 3,835,704 | 1,061,202 | 813,200 | 891,889 |
| Delaware..... | 5 | 5 | 1,386,431 | 211,194 | 191,662 | 104,545 |
| Georgia..... | 24 | 28 | 2,425,622 | 752,481 | 472,107 | 1,481,622 |
| Maine..... | 133 | 153 | 6,701,346 | 2,225,839 | 1,823,976 | 3,192,317 |
| Maryland..... | 22 | 23 | 3,371,032 | 447,489 | 351,000 | 640,448 |
| Massachusetts..... | 148 | 151 | 9,587,996 | 2,503,593 | 1,973,729 | 2,235,759 |
| Minnesota..... | 10 | 23 | 558,200 | 356,782 | 295,007 | 204,218 |
| Missouri..... | 9 | 10 | 1,264,317 | 500,642 | 425,667 | 593,100 |
| New Hampshire..... | 77 | 78 | 2,822,026 | 727,531 | 597,491 | 761,362 |
| New Jersey..... | 20 | 23 | 6,374,575 | 425,673 | 330,644 | 418,850 |
| New York..... | 13 | 13 | 1,515,511 | 222,773 | 217,160 | 422,700 |
| North Carolina..... | 19 | 22 | 708,267 | 146,627 | 123,937 | 255,130 |
| Oregon..... | 4 | 4 | 287,400 | 44,150 | 37,933 | 60,000 |
| Pennsylvania..... | 62 | 64 | 5,782,887 | 623,252 | 516,923 | 930,409 |
| Rhode Island..... | 35 | 37 | 2,378,237 | 931,216 | 789,219 | 646,392 |
| South Carolina..... | 7 | 9 | 214,479 | 47,614 | 35,028 | 143,275 |
| South Dakota..... | 3 | 3 | 786,120 | 304,673 | 222,229 | 444,596 |
| Texas..... | 8 | 8 | 20,400 | 22,550 | 33,738 | 212,125 |
| Utah..... | 3 | 3 | 123,500 | 8,700 | 7,846 | 18,750 |
| Vermont..... | 46 | 53 | 1,073,936 | 581,870 | 477,114 | 967,750 |
| Virginia..... | 13 | 13 | 1,703,206 | 332,548 | 256,125 | 446,650 |
| Wisconsin..... | 5 | 8 | 1,385,600 | 266,095 | 261,791 | 546,413 |
| Other states (a)..... | 4 | 4 | 41,488 | 76,000 | 63,030 | 261,300 |

^aThe states here grouped for the protection of private interests embrace Arkansas, Montana, Nevada, and Washington.

MARBLE.

PRODUCTION OF MARBLE IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Number of individuals or firms operating quarries. | Number of quarries operated. | PRODUCT. | | Total expenses incurred in producing entire amount of marble. | Total capital. |
|---------------------------------------|--|------------------------------|-------------|--------------|---|----------------|
| | | | Cubic feet. | Total value. | | |
| Total | 74 | 103 | 3,320,213 | \$3,488,170 | \$2,675,069 | \$15,002,842 |
| California..... | 4 | 4 | 33,792 | 87,030 | 72,715 | 554,000 |
| Georgia..... | 3 | 7 | 250,000 | 196,250 | 147,086 | 2,373,627 |
| Maryland..... | 3 | 3 | 333,305 | 130,816 | 112,504 | 576,904 |
| New York..... | 13 | 14 | 1,171,550 | 354,197 | 260,804 | 1,033,401 |
| Tennessee..... | 22 | 20 | 309,700 | 419,467 | 263,741 | 815,500 |
| Vermont..... | 22 | 36 | 1,068,303 | 2,169,580 | 1,739,988 | 9,346,928 |
| Other states and territories (a)..... | 7 | 10 | 153,552 | 121,850 | 78,231 | 332,422 |

^aThe states here grouped for the protection of private interests embrace Idaho, Massachusetts, Pennsylvania, Virginia, New Mexico, and Utah.

MINERAL INDUSTRIES.

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SLATE.

PRODUCTION OF SLATE IN THE UNITED STATES IN 1889, BY STATES.

| STATES. | Number of quarries operated. | PRODUCT. | | | Total expenses of producing entire amount of slate. | Total capital. | |
|------------------------|------------------------------|-------------------------------------|-------------------------------|--|---|----------------|------------------------------------|
| | | Number of squares of roofing slate. | Total value of roofing slate. | Total value of slate for other purposes. | | | Total value of all slate produced. |
| Total | 212 | 835,025 | \$2,797,004 | \$684,009 | \$3,482,513 | \$2,762,122 | \$10,560,593 |
| California | 3 | 3,104 | 18,089 | ..... | 18,089 | 44,245 | 85,800 |
| Georgia | 4 | 3,050 | 14,850 | 480 | 15,330 | 13,551 | 155,000 |
| Maine | 8 | 41,000 | 201,600 | 18,000 | 219,500 | 151,090 | 1,141,000 |
| Maryland | 5 | 23,099 | 105,745 | 4,263 | 110,008 | 85,444 | 334,000 |
| New Jersey | 5 | 2,700 | 9,075 | 1,250 | 10,925 | 9,127 | 103,550 |
| New York | 15 | 16,767 | 81,720 | 44,877 | 126,603 | 98,289 | 237,680 |
| Pennsylvania | 105 | 476,038 | 1,641,003 | 370,723 | 2,011,726 | 1,031,022 | 6,863,802 |
| Vermont | 61 | 236,350 | 596,997 | 245,016 | 842,012 | 616,113 | 1,299,451 |
| Virginia | 3 | 30,457 | 113,079 | ..... | 113,079 | 95,240 | 181,500 |
| Other states (a) | 3 | 3,060 | 15,240 | ..... | 15,240 | 17,995 | 118,610 |

a The states here grouped for the protection of private interests embrace Arkansas, Michigan, and Utah.

LIMESTONE.

PRODUCTION OF LIMESTONE IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Number of quarries. | Total value. | Total expenses. | Total capital. |
|-------------------------|---------------------|--------------|-----------------|----------------|
| Total | 1,954 | \$19,095,179 | \$15,092,714 | \$27,022,325 |
| Alabama | 21 | 324,814 | 259,118 | 353,071 |
| Arkansas | 7 | 18,300 | 14,440 | 32,591 |
| California | 22 | 516,780 | 354,980 | 857,400 |
| Colorado | 15 | 138,091 | 94,064 | 183,370 |
| Connecticut | 9 | 131,697 | 108,048 | 100,465 |
| Idaho | 3 | 28,545 | 17,301 | 27,200 |
| Illinois | 104 | 2,190,607 | 1,797,998 | 3,316,616 |
| Indiana | 172 | 1,889,336 | 1,423,564 | 3,170,985 |
| Iowa | 143 | 580,863 | 432,465 | 1,008,992 |
| Kansas | 115 | 478,822 | 364,040 | 734,301 |
| Kentucky | 54 | 303,314 | 240,744 | 510,189 |
| Maine | 60 | 1,523,499 | 1,474,890 | 1,120,500 |
| Maryland | 30 | 164,860 | 185,708 | 418,168 |
| Massachusetts | 12 | 110,978 | 95,831 | 72,451 |
| Michigan | 8 | 85,952 | 58,132 | 164,318 |
| Minnesota | 72 | 613,247 | 497,498 | 1,186,347 |
| Missouri | 123 | 1,850,960 | 1,523,257 | 2,006,017 |
| Montana | 4 | 24,964 | 20,350 | 39,500 |
| Nebraska | 20 | 207,010 | 164,533 | 268,710 |
| New Jersey | 33 | 120,662 | 106,492 | 152,539 |
| New Mexico | 4 | 3,862 | 3,019 | 10,000 |
| New York | 157 | 1,708,830 | 1,268,151 | 2,664,847 |
| Ohio | 221 | 1,514,994 | 1,138,070 | 2,283,986 |
| Pennsylvania | 373 | 2,655,477 | 2,178,013 | 3,402,345 |
| Rhode Island | 2 | 27,625 | 22,440 | 37,400 |
| South Carolina | 2 | 14,520 | 11,440 | 14,250 |
| Tennessee | 11 | 73,028 | 51,487 | 79,915 |
| Texas | 18 | 217,835 | 114,022 | 69,705 |
| Utah | 2 | 27,568 | 19,577 | 155,225 |
| Vermont | 10 | 105,066 | 141,660 | 100,424 |
| Virginia | 11 | 150,023 | 116,636 | 99,875 |
| Washington | 8 | 231,287 | 211,418 | 584,525 |
| West Virginia | 8 | 93,850 | 51,323 | 217,188 |
| Wisconsin | 79 | 813,863 | 617,911 | 1,397,066 |
| Other states (a) | 6 | 77,935 | 48,200 | 31,175 |

a The states here grouped for the protection of private interests embrace Arizona, Florida, Georgia, Oregon, South Dakota, and Wyoming.

SANDSTONE.

PRODUCTION OF SANDSTONE IN THE UNITED STATES IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Number of quarries. | PRODUCTION. | | Total expenses. | Total capital. |
|-------------------------|---------------------|-------------|--------------|-----------------|----------------|
| | | Cubic feet. | Value. | | |
| Total..... | 803 | 71,571,054 | \$10,816,057 | \$8,130,295 | \$17,776,407 |
| Alabama..... | 5 | 610,026 | 43,965 | 48,587 | 18,535 |
| Arizona..... | 2 | 127,907 | 9,146 | 3,742 | 35,000 |
| Arkansas..... | 8 | 210,010 | 25,074 | 12,860 | 17,660 |
| California..... | 15 | 333,200 | 175,598 | 147,264 | 400,650 |
| Colorado..... | 71 | 6,570,529 | 1,224,098 | 902,768 | 2,009,484 |
| Connecticut..... | 13 | 2,821,430 | 920,061 | 710,772 | 1,896,957 |
| Idaho..... | 2 | 28,710 | 2,490 | 1,840 | 10,250 |
| Illinois..... | 10 | 141,605 | 17,896 | 10,808 | 49,400 |
| Indiana..... | 11 | 334,441 | 43,983 | 43,232 | 109,225 |
| Iowa..... | 11 | 404,350 | 80,251 | 71,014 | 178,455 |
| Kansas..... | 17 | 680,280 | 149,289 | 117,504 | 324,135 |
| Kentucky..... | 11 | 888,738 | 117,840 | 86,102 | 196,580 |
| Maryland..... | 4 | 508,325 | 10,605 | 9,271 | 41,000 |
| Massachusetts..... | 21 | 1,967,179 | 649,097 | 509,649 | 878,802 |
| Michigan..... | 6 | 658,318 | 246,570 | 127,962 | 609,877 |
| Minnesota..... | 7 | 4,156,224 | 131,979 | 103,107 | 407,090 |
| Missouri..... | 17 | 734,370 | 155,557 | 81,773 | 298,399 |
| Montana..... | 6 | 644,740 | 31,648 | 31,454 | 70,400 |
| New Hampshire..... | 2 | 21,665 | 3,750 | 3,621 | 22,310 |
| New Jersey..... | 26 | 6,010,212 | 597,309 | 462,657 | 793,115 |
| New Mexico..... | 11 | 588,048 | 186,804 | 130,309 | 421,500 |
| New York..... | 63 | 4,878,365 | 702,419 | 571,381 | 870,380 |
| North Carolina..... | 2 | 50,000 | 12,000 | 9,690 | 70,000 |
| Ohio..... | 192 | 16,016,258 | 3,046,656 | 2,277,735 | 5,075,090 |
| Oregon..... | 2 | 50,000 | 8,424 | 4,400 | 53,000 |
| Pennsylvania..... | 159 | 17,414,875 | 1,609,159 | 1,180,324 | 1,927,410 |
| South Dakota..... | 12 | 341,875 | 93,570 | 90,213 | 303,770 |
| Tennessee..... | 4 | 53,978 | 2,722 | 2,603 | 12,988 |
| Texas..... | 7 | 180,591 | 14,651 | 11,520 | 12,185 |
| Utah..... | 7 | 145,726 | 48,306 | 44,321 | 123,575 |
| Virginia..... | 3 | 70,800 | 11,500 | 8,429 | 9,180 |
| Washington..... | 5 | 540,639 | 75,936 | 54,955 | 78,700 |
| West Virginia..... | 27 | 964,263 | 140,687 | 80,704 | 181,158 |
| Wisconsin..... | 32 | 1,146,736 | 183,958 | 138,543 | 550,822 |
| Wyoming..... | 7 | 197,776 | 16,760 | 22,871 | 139,348 |
| Other states (a)..... | 5 | 1,079,448 | 26,199 | 17,010 | 15,126 |

a The states here grouped for the protection of private interests embrace Florida, Georgia, Nevada, Rhode Island, and Vermont.

BLUESTONE.

TOTAL BLUESTONE PRODUCTION, INCLUDING PURCHASES BY WHOLESALE DEALERS.

| STATES. | Total. | | RETURNS FROM REGULARLY OPERATED QUARRIES. | | | | Purchases by wholesale dealers. | |
|-------------------|-------------|-------------|--|----------|------------------|-----------|---------------------------------|-----------|
| | | | Rubble and bridge stone, sold by perch and cubic yard. | | Dimension stone. | | | |
| | Cubic feet. | Value. | Cubic feet. | Value. | Cubic feet. | Value. | Cubic feet. | Value. |
| Total..... | 5,126,340 | \$1,689,606 | 1,641,626 | \$53,768 | 1,518,260 | \$696,144 | 1,966,454 | \$939,694 |
| New Jersey..... | 15,649 | 8,550 | 1,514,767 | 51,495 | 15,649 | 8,550 | 1,652,218 | 827,918 |
| New York..... | 4,009,942 | 1,303,321 | 26,856 | 2,273 | 842,957 | 423,908 | 314,236 | 111,776 |
| Pennsylvania..... | 1,100,749 | 377,735 | | | 659,654 | 269,686 | | |

STATISTICS OF BLUESTONE PRODUCED FROM SYSTEMATICALLY OPERATED QUARRIES ONLY.

| STATES. | Number of individuals or firms operating quarries. | Number of quarries operated. | PRODUCT. | | | | | Total expenses incurred in producing entire amount of bluestone. | Total capital. |
|-------------------|--|------------------------------|-------------------|--------------|-------------|--------------------------------|--------------|--|----------------|
| | | | Superficial feet. | Linear feet. | Cubic feet. | Total expressed in cubic feet. | Total value. | | |
| Total | 211 | 217 | 4,012,817 | 882,005 | 1,861,446 | 3,159,886 | \$749,912 | \$608,582 | \$635,757 |
| New Jersey..... | 3 | 3 | 67,000 | 4,200 | ----- | 15,049 | 8,550 | 7,122 | 21,850 |
| New York..... | 142 | 142 | 2,241,335 | 543,985 | 1,612,041 | 2,357,724 | 475,403 | 395,894 | 409,261 |
| Pennsylvania..... | 66 | 72 | 1,704,482 | 333,820 | 249,405 | 786,513 | 265,959 | 205,566 | 204,646 |

Much of the bluestone region is composed of rough mountain land, of little value except for the stone to be obtained from it. Over this region quarrymen, operating on a limited scale, are continually prospecting for such ledges of stone as will justify their labor, which is carried on with extremely simple implements, producing the stone principally in the form of flagging. Originally the stone was quarried for flagging only, but recently it has been applied to quite a long list of purposes, such as rubble masonry, retaining walls and bridge stone, sidewalks, crosswalks, curbing, gutters, flagging, stepstones, flooring, vault covers, bases of tombstones, porch and hitching posts, and house trimmings, such as platforms, steps, door and window sills, lintels, and caps.

GRINDSTONES.

The value of grindstones produced in the United States in 1889 was \$439,587, distributed as follows: Ohio, \$430,398; South Dakota, \$7,131, and California, \$2,058.

Production was almost wholly confined to Ohio. The formation which furnishes material suitable for grindstones is that generally known as the Berea grit. The stone varies in different places, being valuable for building purposes in some localities and suitable for grindstones in others. The principal centers for the quarrying of this rock for grindstones are Berea, Amherst, Independence, Massillon, Lorain, Grafton, and Marietta. The manufacture of finished stones from the rough blocks is carried on principally at Cleveland.

The California production comes from Santa Clara county, and that of South Dakota from Lawrence county.

The United States imports grindstones from Nova Scotia and England, and exports to Mexico, the West Indies, and the states of South America.

PRECIOUS STONES.

PRECIOUS STONES AND ORNAMENTAL STONES AND MINERALS FOR CABINETS FOUND
IN THE UNITED STATES IN 1889, BY STATES AND TERRITORIES.

| STATES AND NAMES OF MINERALS. | Total value. | Value of stones before cutting. | Value after cutting into gems. | Value of specimens, curiosities, etc., occasionally polished to beautify and show structure. |
|---|--------------|---------------------------------|--------------------------------|--|
| Total | \$188, 807 | | \$107, 645 | \$81, 102 |
| Arizona: | | | | |
| Garnet..... | 100 | | 100 | |
| Agatized and jasperized wood..... | 53, 175 | \$42, 725 | 53, 000 | 175 |
| Azurite and malachite..... | 2, 037 | 1, 000 | | 2, 037 |
| Dumortierite in quartz..... | 250 | | | 250 |
| Wulfenite, vanadinite, etc..... | 1, 450 | | | 1, 450 |
| Arkansas: | | | | |
| Quartz..... | 12, 700 | 500 | 2, 700 | 10, 000 |
| Wavellite..... | 750 | | | 750 |
| California: | | | | |
| Gold quartz..... | 9, 000 | 6, 000 | 9, 000 | |
| Rose quartz..... | 200 | | | 200 |
| Chrysoptase..... | 200 | 50 | 200 | |
| Garnet..... | 50 | | | 50 |
| Miscellaneous minerals for ornaments..... | 5, 000 | | | 5, 000 |
| Colorado: | | | | |
| Smoky quartz..... | 4, 200 | 700 | 4, 000 | 200 |
| Wood agate and wood jasper..... | 4, 000 | 1, 000 | 2, 000 | 2, 000 |
| Phenacite..... | 200 | | | 200 |
| Aquamarine..... | 400 | 100 | 250 | 150 |
| Garnet..... | 625 | | | 625 |
| Topaz..... | 400 | 100 | 200 | 200 |
| Miscellaneous minerals..... | 6, 100 | | | 6, 100 |
| Mineral clocks, ornaments, etc..... | 15, 500 | | | 15, 500 |
| Amazon stone..... | 500 | | | 500 |
| Pyrite..... | 2, 000 | 100 | 500 | 1, 500 |
| Kansas: | | | | |
| Banded jasper..... | 80 | | 80 | |
| Moss jasper..... | 550 | | | 550 |
| Maine: | | | | |
| Tourmaline..... | 2, 250 | 1, 080 | 2, 250 | |
| Spodumene..... | 200 | | | 200 |
| Rose quartz specimens..... | 400 | 200 | 400 | |
| Miscellaneous minerals..... | 1, 700 | | | 1, 700 |
| Michigan: | | | | |
| Fossil coral..... | 700 | 100 | 200 | 500 |
| Minnesota: | | | | |
| Catlinite ornaments..... | 5, 000 | | | 5, 000 |
| Chlorastrolite..... | 500 | 200 | 300 | 200 |
| Thomsonite..... | 400 | 100 | 200 | 200 |
| Montana: | | | | |
| Sapphire..... | 6, 725 | 2, 600 | 6, 725 | |
| New Mexico: | | | | |
| Garnet..... | 1, 500 | 500 | 1, 500 | |
| Turquoise..... | 23, 675 | 10, 000 | 23, 175 | 500 |
| New York: | | | | |
| Quartz..... | 1, 300 | 10 | 50 | 1, 250 |
| Fluorite..... | 500 | | | 500 |
| North Carolina: | | | | |
| Aquamarine..... | 347 | 125 | 347 | |
| Emerald..... | 450 | | 300 | 150 |
| Amethyst..... | 98 | 15 | 98 | |
| Garnet..... | 33 | 10 | 33 | |
| Rutilated quartz..... | 30 | 2 | 30 | |
| Smoky quartz..... | 32 | | 7 | 25 |
| Zircon for chemical uses..... | 16, 000 | | | 16, 000 |
| Monazite..... | 1, 000 | | | 1, 000 |
| Texas: | | | | |
| Gadolinite and fergusonite..... | 1, 500 | | | 1, 500 |
| Utah: | | | | |
| Minerals..... | 2, 500 | | | 2, 500 |
| Virginia: | | | | |
| Quartz, pebbles, etc..... | 2, 500 | | | 2, 500 |

PHOSPHATE ROCK.

PRODUCTION, OPERATING EXPENSES, AND CAPITAL INVESTED IN PHOSPHATE ROCK MINING IN 1889, BY STATES.

| STATES. | PRODUCTION. | | | Operating expenses. | Capital invested. |
|---------------------|-------------------------------|---------------------------|-------------------|---------------------|-------------------|
| | Amount produced. (Long tons.) | Amount sold. (Long tons.) | Value of product. | | |
| Total | 550,245 | 547,000 | \$2,037,776 | \$1,085,511 | \$6,131,718 |
| South Carolina..... | 541,645 | 543,009 | 2,892,270 | 1,062,059 | 5,866,718 |
| Florida..... | 8,100 | 4,100 | 40,500 | 19,727 | 165,000 |
| North Carolina..... | 500 | 500 | 5,000 | 3,725 | 100,000 |

MARL.

The total product of marl in the United States at the Eleventh Census amounted to 139,522 long tons, valued at \$63,956. The production is limited to 5 states, namely, New Jersey, North Carolina, Virginia, Alabama, and Arkansas. The production of the last 4 states is very small, being but 1,405 tons, with a value of \$2,253.

At the Tenth Census no statistics in regard to marl were published. The production in New Jersey during the Eleventh Census year was 138,117 tons, valued at \$61,723. The industry is conducted almost exclusively by farmers, there being but 3 organized companies engaged therein, and these produced only 10 per cent of the entire output during the period under review. The season during which marl is dug begins in October and ends about May 1, thus enabling the producers to work during the leisure time of winter.

GYPSUM.

PRODUCTION OF GYPSUM IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Total amount produced. (Short tons.) | Total value. | Amount sold in crude state. (Short tons.) | Value. | Amount sold as land plaster. (Short tons.) | Value. | Amount of gypsum calcined into plaster of Paris or stucco. (Short tons.) | Amount of plaster of Paris or stucco after calcining. (Short tons.) | Value. |
|-------------------------|--------------------------------------|--------------|---|----------|--|-----------|--|---|-----------|
| Total | 267,769 | \$764,118 | 73,243 | \$82,704 | 108,771 | \$233,307 | 85,755 | 64,711 | \$448,107 |
| California..... | 3,000 | 30,000 | ..... | ..... | ..... | ..... | 3,000 | 2,250 | 30,000 |
| Colorado..... | 7,700 | 28,940 | ..... | ..... | 100 | 140 | 7,600 | 4,325 | 28,800 |
| Iowa..... | 21,784 | 55,250 | ..... | ..... | 14,434 | 23,000 | 7,350 | 5,507 | 32,250 |
| Kansas..... | 17,332 | 94,235 | ..... | ..... | ..... | ..... | 17,332 | ^a 13,896 | 94,235 |
| Michigan..... | 131,767 | 373,740 | 35,100 | 35,100 | 54,084 | 123,143 | 42,583 | 32,434 | 215,497 |
| New York..... | 52,608 | 79,476 | 21,537 | 21,642 | 31,071 | 57,834 | ..... | ..... | ..... |
| Ohio..... | 9,920 | 51,491 | 106 | 212 | 2,744 | 9,604 | 7,070 | 5,056 | 41,675 |
| South Dakota..... | 320 | 2,650 | ..... | ..... | ..... | ..... | 320 | 253 | 2,650 |
| Utah..... | 516,000 | 25,000 | 10,000 | 25,000 | ..... | ..... | ..... | ..... | ..... |
| Virginia..... | 6,828 | 20,336 | 500 | 750 | 6,338 | 10,536 | ..... | ..... | ..... |
| Wyoming..... | 6500 | 3,000 | ..... | ..... | ..... | ..... | 500 | 300 | 8,000 |

^a Of the Kansas product 600 tons were made into fireproof cement, producing 400 tons of cement, valued at \$6,000.

^b Estimated, and value given for crude material.

^c Began operations November 1, 1889.

CAPITAL EMPLOYED AND OPERATING EXPENSES OF GYPSUM PROPERTIES, BY STATES AND TERRITORIES, 1889.

| STATES AND TERRITORIES. | Capital employed. | Operating expenses. |
|-------------------------|-------------------|---------------------|
| Total | \$2, 473, 175 | \$433, 347 |
| Colorado..... | 147, 600 | 20, 667 |
| Iowa..... | 194, 500 | 26, 218 |
| Kansas..... | 512, 860 | 75, 874 |
| Michigan..... | 725, 000 | 200, 091 |
| New York..... | 177, 095 | 59, 707 |
| South Dakota..... | 5, 500 | 4, 670 |
| Utah..... | 150, 000 | 11, 294 |
| Virginia..... | 300, 620 | 10, 066 |
| Other states (a)..... | 260, 000 | 23, 020 |

a The states here grouped for the protection of private interests embrace California, Ohio, and Wyoming.

INFUSORIAL EARTH.

Infusorial earth has been found in useful quantity in a number of places in California, Connecticut, Maryland, Nevada, New Hampshire, New Jersey, New Mexico, Oregon, and Virginia, but the production in 1889 was limited to 5 states, namely, California, Connecticut, Maryland, New Hampshire, and New Jersey.

For the protection of private interests statistics touching this industry for the 5 states mentioned are grouped.

| | |
|-------------------------------|-----------|
| Production (short tons) | 3, 466 |
| Operating expenses | \$16, 678 |
| Capital invested | 110, 750 |

CORUNDUM.

The amount of corundum produced in the United States in 1889 was 2,245 short tons, valued at the mines at \$105,565. The entire industry is controlled by 3 or 4 firms, and in order to protect private interests it is deemed best not to publish the figures by states.

| | |
|---|-----------|
| Operating expenses in producing corundum in 1889..... | \$57, 105 |
| Capital invested | 73, 400 |

MILLSTONES.

VALUE OF MILLSTONES PRODUCED IN THE UNITED STATES FROM 1883 TO 1889, INCLUSIVE.

| KINDS. | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 |
|--|------------|------------|------------|------------|------------|-----------|-----------|
| Total | \$150, 000 | \$150, 000 | \$100, 000 | \$140, 000 | \$100, 000 | \$81, 000 | \$95, 155 |
| Esopus stone (New York) | 120, 000 | 110, 000 | 90, 000 | 100, 000 | 75, 000 | 60, 000 | 23, 377 |
| Cocalico stone (Pennsylvania)..... | 30, 000 | 40, 000 | 10, 000 | 10, 000 | 5, 000 | 1, 000 | 5, 800 |
| Brush Mountain stone (Virginia) (a)..... | | | | | | | 5, 978 |
| North Carolina grit (b)..... | | | | 30, 000 | 20, 000 | 20, 000 | |

a No figures have been published previous to 1889.

b No figures have been published previous to 1886, and the quarries were abandoned in 1880. A few stones were made in the latter year from material previously quarried, but no work was done at the quarries.

OPERATING EXPENSES IN PRODUCING MILLSTONES.

| | |
|---|---------------|
| Paid for wages | \$17,853 |
| Paid contractors | 1,193 |
| Paid for supplies | 1,413 |
| Paid for royalty | 540 |
| Other expenditures (including rent, taxes, insurance, interest, etc.) | 385 |
| Total | 21,384 |

CAPITAL EMPLOYED IN PRODUCING MILLSTONES. (a)

| | |
|---|---------------|
| In land | \$29,270 |
| In buildings, machinery, etc | 3,300 |
| In tools, implements, live stock, etc | 16,375 |
| In cash (not reported in foregoing items) | 6,000 |
| Total | 54,945 |

a In compiling the returns relative to capital it is necessary to estimate a large portion of the amount invested in land. This estimate is based on the royalty paid by operators for the stone taken out. The royalty is usually paid at a fixed rate per pair.

WHETSTONES.

PRODUCTION, OPERATING EXPENSES, AND CAPITAL INVESTED IN SHARPENING STONE INDUSTRIES IN THE UNITED STATES FOR 1889, BY STATES.

| STATES. | PRODUCTION. | | Operating expenses. | Capital invested. |
|------------------------|-------------------------|----------|---------------------|-------------------|
| | Quantity. (Short tons.) | Value. | | |
| Total | 2,991 | \$92,980 | \$23,894 | \$57,510 |
| Arkansas | 814 | 20,360 | 11,875 | 20,825 |
| Indiana | 212 | 7,670 | 7,148 | 9,225 |
| Other states (a) | 1,965 | 4,950 | 4,781 | 27,460 |

a The states here grouped for the protection of private interests embrace New Hampshire and Vermont.

MICA.

PRODUCTION, OPERATING EXPENSES, AND CAPITAL INVESTED IN MICA MINES FOR 1889, BY STATES.

| STATES AND TERRITORIES. | PRODUCTION. | | | | Operating expenses. | Capital invested. |
|-------------------------|-------------|----------|-------------|---------|---------------------|-------------------|
| | Cut. | | Scrap. | | | |
| | Pounds. | Value. | Short tons. | Value. | | |
| Total | 49,500 | \$50,000 | 196 | \$2,450 | \$58,335 | \$601,550 |
| Georgia | | | | | | 21,500 |
| Idaho | | | | | | 1,000 |
| New Hampshire | 40,000 | 40,000 | 160 | 2,000 | 38,655 | 194,750 |
| New Mexico | | | | | 2,250 | 14,700 |
| New York | | | | | | 2,000 |
| North Carolina | 6,700 | 7,000 | | | 12,722 | 438,475 |
| South Carolina | | | | | | 4,600 |
| Other states | 2,800 | 3,000 | 656 | 450 | 64,728 | 14,525 |

a Including South Dakota and Virginia.

b Including Idaho, Massachusetts, South Dakota, Virginia, and Wyoming.

c Including Massachusetts, Pennsylvania, South Dakota, and Wyoming.

ASBESTOS.

The production of asbestos in the United States has shown an annual decrease since 1882. The product for 1882 was 1,200 short tons; 1883, 1,000 short tons, and 1884, 1,000 short tons. The product for 1885 showed a decided drop, being only 300 short tons, and this was again reduced to 200 short tons in 1886 and 150 short tons in 1887. In 1888 the product was 100 short tons, valued at \$30 per ton. In 1889 the only asbestos mined in this country and marketed came from California, amounting to 30 tons, valued at \$1,800. A trifling amount of asbestos, about 300 pounds, was taken out and saved as a by-product in quarrying soapstone in Pennsylvania and sold locally to druggists and chemists at an average price of 9 cents per pound. This small factor has been omitted from the total.

There was a considerable amount of development work done on asbestos mines in Wyoming, but the product was not placed upon the market. Some of the fibers are reported to be over 40 inches in length, but the asbestos so far obtained is somewhat brittle, though improving in quality as greater depth is reached.

In the statement following, showing the amount of money paid for wages, etc., there is included the sum of \$1,900, which was expended in development work at mines in Wyoming. The statement of capital also includes that invested in Wyoming properties.

OPERATING EXPENSES IN PRODUCING ASBESTOS.

| | |
|------------------------|----------|
| Wages | \$2, 700 |
| Supplies consumed..... | 525 |
| Total | 3, 225 |

CAPITAL INVESTED IN PRODUCING ASBESTOS.

| | |
|--|-----------|
| In land..... | \$41, 500 |
| In buildings, machinery, etc | 600 |
| In tools, implements, live stock, etc..... | 500 |
| Total..... | 42, 600 |

GRAPHITE.

PRODUCTION OF CRUDE GRAPHITE, OPERATING EXPENSES, AND CAPITAL INVESTED IN 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | PRODUCTION. | | Operating expenses. | Capital invested. |
|-------------------------|--------------------------|-----------|---------------------|-------------------|
| | Crude ore. (Short tons.) | Value. | | |
| Total | 7, 003 | \$72, 662 | \$54, 741 | \$259, 475 |
| Rhode Island | 500 | 10, 000 | 7, 800 | 30, 000 |
| New York | 3, 460 | 42, 410 | 18, 370 | 95, 000 |
| Pennsylvania..... | 2, 721 | 16, 752 | 16, 979 | 14, 800 |
| Other states (a) | 322 | 3, 500 | 11, 592 | 119, 675 |

^a The states here grouped for the protection of private interests embrace Michigan and Wyoming.

SOAPSTONE.

PRODUCTION, OPERATING EXPENSES, AND CAPITAL INVESTED IN SOAPSTONE QUARRIES
IN 1889, BY STATES.

| STATES. | PRODUCTION. | | | | | Total value. | Operating expenses. | Capital invested. |
|--------------------------|------------------------------------|---|----------|---------------|-----------|--------------|---------------------|-------------------|
| | Total production. (Short tons.) | Condition under which product was sold. | | | | | | |
| | | Crude. | Value. | Manufactured. | Value. | | | |
| Total | 12,715 | 6,303 | \$51,575 | 6,412 | \$180,133 | \$231,708 | \$163,438 | \$924,900 |
| Georgia (a) | | | | | | | | 250,000 |
| New Hampshire | 4,252 | | | 4,252 | 117,883 | 117,883 | 75,750 | 6350,000 |
| North Carolina (a) | | | | | | | | 110,000 |
| Pennsylvania | 4,371 | 4,371 | 36,992 | | 36,992 | 36,992 | 24,907 | 54,300 |
| Vermont | 900 | | | 900 | 20,000 | 20,000 | 12,300 | 20,000 |
| Virginia | 1,266 | | | 1,266 | 42,250 | 42,250 | 41,537 | 112,000 |
| Other states (c) | 1,932 | 1,932 | 14,583 | | 14,583 | 14,583 | 8,944 | 23,600 |

a No operation in 1889.

b Of this amount \$300,000 is represented by capital stock paid in, not distributed.

c The states here grouped for the protection of private interests embrace Maryland and New Jersey.

BARYTES.

PRODUCTION, CAPITAL INVESTED, AND OPERATING EXPENSES OF BARYTES MINES IN
1889, BY STATES.

| STATES. | PRODUCTION. | | Capital invested. (a) | Operating expenses. |
|----------------------|----------------------------|-----------|-----------------------|---------------------|
| | Quantity. (Short tons.) | Value. | | |
| Total | 21,460 | \$106,313 | \$351,150 | \$64,807 |
| Illinois | 200 | 1,300 | | |
| Missouri | 7,558 | 32,715 | | |
| North Carolina | 3,000 | 15,000 | | |
| Virginia | 10,702 | 57,298 | | |

a The amount of capital represented only refers to such properties as were worked in 1889.

b For operating and developing barytes mines in Virginia, North Carolina, and Illinois. The industry is carried on in such an irregular manner in Missouri that definite statements of capital and expenses are impracticable.

OCHER.

PRODUCTION, CAPITAL INVESTED, AND OPERATING EXPENSES OF OCHER MINES FOR
1889, BY STATES.

| STATES. | PRODUCTION. | | Operating expenses. | Capital invested. |
|------------------------|----------------------------|-----------|---------------------|-------------------|
| | Quantity. (Short tons.) | Value. | | |
| Total | 15,158 | \$177,472 | \$86,247 | \$386,453 |
| Georgia | 2,512 | 29,720 | 12,491 | 89,000 |
| Pennsylvania | 7,922 | 103,797 | 41,536 | 60,606 |
| Vermont | 1,884 | 7,800 | 6,670 | 12,510 |
| Virginia | 1,658 | 18,755 | 14,080 | 30,000 |
| Wisconsin | 100 | 1,090 | 365 | 15,000 |
| Other states (a) | 1,082 | 16,400 | 11,105 | 179,343 |

a The states here grouped for the protection of private interests embrace Alabama, Colorado, Maryland, and Massachusetts.

METALLIC PAINT.

PRODUCTION, CAPITAL INVESTED, AND OPERATING EXPENSES OF METALLIC PAINT MINES IN THE UNITED STATES IN 1889, BY STATES.

| STATES. | PRODUCTION. | | Capital invested. | Operating expenses. |
|------------------------|-------------------------|-----------|-------------------|---------------------|
| | Quantity. (Short tons.) | Value. | | |
| Total | 21,026 | \$286,294 | \$462,164 | \$163,787 |
| New York | 3,658 | 63,608 | 86,164 | 24,064 |
| Ohio | 540 | 11,123 | 60,000 | 3,173 |
| Pennsylvania | 8,849 | 128,036 | 207,700 | 103,031 |
| Tennessee | 3,057 | 24,237 | 20,200 | 4,950 |
| Wisconsin | 1,832 | 26,760 | 48,000 | 19,057 |
| Other states (a) | 3,090 | 32,500 | 40,100 | 9,512 |

a The states here grouped for the protection of private interests embrace Alabama and Colorado.

FLUORSPAR.

The production of fluorspar in the United States in 1889 was 9,500 tons, valued at \$45,835, an increase of 3,500 tons over the product of 1888. There has been little fluctuation in price.

| | |
|--------------------------|----------|
| Operating expenses | \$22,246 |
| Capital invested..... | 192,000 |

SULPHUR.

PRODUCTION, OPERATING EXPENSES, AND CAPITAL INVESTED IN SULPHUR MINES FOR 1889.

| STATES AND TERRITORIES. | PRODUCTION. (SHORT TONS.) | | | Operating expenses. | Capital invested. |
|-------------------------|---------------------------|------------------|---------|---------------------|-------------------|
| | Amount of ore produced. | Refined sulphur. | Value. | | |
| Total | 1,150 | 450 | \$7,850 | \$4,110 | \$320,750 |
| Nevada | 550 | 250 | 3,850 | | |
| Utah | a600 | 200 | 4,000 | | |

a Estimated.

b Includes valuation of deposits in the state of Louisiana.

PYRITES.

The pyrites treated under this report includes only that mined for its sulphur contents and used in the manufacture of sulphuric acid. Pyrites occurs more or less plentifully in almost every state of the Union, but its production during 1889 was limited to 3 states, Massachusetts, New Hampshire, and Virginia. Owing to large stocks on hand and the prevalence of low prices, the New Hampshire mines located at Copperville, Coos county, were not operated during the calendar year 1889.

MINERAL INDUSTRIES.

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PRODUCTION, OPERATING EXPENSES, AND CAPITAL INVESTED IN PYRITES MINING IN 1889, BY STATES.

| STATES. | PRODUCTION. | | Operating expenses. | Capital invested. |
|---------------------|-------------------------|-----------|---------------------|-------------------|
| | Quantity. (Short tons.) | Value. | | |
| Total | 104,950 | \$202,119 | \$163,250 | \$1,358,882 |
| Massachusetts | 36,350 | 92,119 | 63,156 | 258,882 |
| Virginia | 68,600 | 110,000 | 100,100 | 1,100,000 |

MINERAL WATERS.

PRODUCTION OF MINERAL WATERS FOR 1889, BY STATES AND TERRITORIES.

| STATES AND TERRITORIES. | Number of springs reporting. | Product. (Gallons.) | Value of product. | Capital invested. | Wages. | Supplies and materials consumed. | All other expenses. |
|-----------------------------|------------------------------|---------------------|-------------------|-------------------|-----------|----------------------------------|---------------------|
| Total | 258 | 12,780,471 | \$1,748,458 | \$5,994,689 | \$433,583 | \$524,804 | \$210,304 |
| Alabama | 5 | 24,380 | 2,430 | 17,550 | 760 | 325 | 140 |
| Arkansas | 3 | 110,200 | 10,020 | 12,525 | 3,600 | 1,525 | 300 |
| California | 14 | 808,625 | 252,241 | 590,002 | 93,991 | 11,640 | 3,328 |
| Colorado | 8 | 304,600 | 87,400 | 261,311 | 25,180 | 51,900 | 525 |
| Connecticut | 3 | 4,410 | 2,630 | 8,000 | 978 | 1,000 | ..... |
| Georgia | 3 | 31,120 | 9,412 | 60,260 | 1,112 | 500 | 250 |
| Illinois | 10 | 2,207,216 | 38,697 | 39,210 | 7,697 | 10,488 | 7,632 |
| Indiana | 8 | 125,162 | 9,525 | 62,200 | 3,030 | 800 | 170 |
| Iowa | 5 | 12,780 | 2,490 | 15,000 | 2,700 | 50 | 1,165 |
| Kansas | 9 | 245,033 | 15,304 | 48,400 | 9,218 | 3,850 | 380 |
| Kentucky | 5 | 121,350 | 14,378 | 54,000 | 7,700 | 600 | 1,000 |
| Maine | 8 | 888,000 | 79,060 | 169,335 | 41,464 | 23,796 | 6,473 |
| Maryland | 4 | 74,160 | 12,057 | 95,463 | 4,758 | 9,581 | 9,302 |
| Massachusetts | 8 | 1,011,173 | 63,622 | 94,416 | 16,663 | 21,758 | 6,106 |
| Michigan | 7 | 333,345 | 67,987 | 135,800 | 5,778 | 29,900 | 6,690 |
| Mississippi | 2 | 8,870 | 1,174 | 5,000 | 500 | ..... | 50 |
| Missouri and Nebraska | 14 | 289,720 | 23,270 | 152,395 | 4,923 | 1,954 | 1,304 |
| New Hampshire | 2 | 60,000 | 4,500 | 13,000 | 1,100 | 300 | ..... |
| New Mexico | 4 | 32,700 | 10,225 | 92,525 | 5,050 | 1,400 | 500 |
| New York | 21 | 1,705,543 | 239,875 | 1,850,250 | 59,232 | 54,065 | 50,112 |
| North Carolina | 11 | 70,644 | 19,431 | 60,950 | 6,599 | 1,637 | 3,382 |
| Ohio | 11 | 251,610 | 26,696 | 75,890 | 4,637 | 3,825 | 950 |
| Oregon | 2 | 4,800 | 1,680 | 102,750 | 600 | ..... | 250 |
| Pennsylvania | 12 | 275,700 | 65,163 | 670,300 | 18,147 | 13,650 | 8,650 |
| Rhode Island | 2 | 47,000 | 2,975 | 11,400 | 1,095 | 525 | 100 |
| South Carolina | 2 | 50,520 | 10,046 | 41,500 | 1,310 | 1,000 | 2,000 |
| Tennessee | 4 | 21,500 | 5,000 | 20,200 | 1,400 | 50 | 200 |
| Texas | 14 | 213,700 | 10,354 | 60,440 | 6,473 | 2,465 | 302 |
| Vermont | 3 | 16,150 | 11,975 | 8,000 | 650 | 275 | 200 |
| Virginia | 22 | 367,395 | 141,476 | 215,450 | 15,028 | 41,900 | 20,295 |
| Washington | 3 | 113,748 | 14,943 | 33,200 | 4,921 | 4,300 | 905 |
| West Virginia | 4 | 21,000 | 5,360 | 11,000 | 1,225 | 275 | 700 |
| Wisconsin | 20 | 2,292,610 | 400,179 | 681,500 | 61,690 | 198,821 | 70,700 |
| Other states (a) | 5 | 513,907 | 77,793 | 104,461 | 14,044 | 30,607 | 6,575 |

a The states here grouped for the protection of private interests embrace Florida, Idaho, Minnesota, New Jersey, and South Dakota.

INSURANCE.

INSURANCE.

The following tables present an abridgment of completed compilations of data relating to insurance gathered by the Eleventh Census:

Table 1 is a summary of the business of the fire, ocean marine, and inland navigation and transportation insurance companies, classes 1 to 5, inclusive, transacted in the United States in the ten years beginning January 1, 1880, and ending December 31, 1889, showing the risks written, premiums received, losses paid, and the average amount of premiums received for each \$100 of risks written, average amount of losses paid to each \$100 of risks written, and the average amount of losses paid to each dollar of premiums received.

Tables 2 to 5, inclusive, relate to 1,926 fire, ocean marine, and inland navigation and transportation insurance companies, classes 1 to 5, inclusive, reporting as transacting business in the United States December 31, 1889. This number includes 50 companies for which no report is made, because either their reports were too incomplete to tabulate or no report could be secured, thus leaving 1,876 companies reporting.

Table 2 is a summary of the assets of these companies December 31, 1889, and shows the investment assets; premium assets; miscellaneous assets; contingent assets; total ledger assets; market value of real estate owned, less all incumbrances; stocks and bonds owned absolutely; loans on bonds and mortgages; loans on collateral security and all other loans; total loans; cash on hand in office and in bank; interest due and unpaid and accrued but not due; due for rent; total investment assets; premiums in due course of collection; bills receivable, not matured, taken for premiums; net amount of calls or assessments on premium or deposit notes; due on subscription notes; stock or subscription notes held as capital of company; all other assets admissible under state law; total admissible assets; assets not admissible under state law but carried on books as good and collectible; net amount of premium and deposit notes subject to assessment; net amount of contingent premiums and assessments authorized by charter to pay losses; amount of policies subject to assessment where no premium note was given, and total contingent assets.

Table 3 is a summary of the liabilities of these companies December 31, 1889, showing unpaid fire losses; unpaid ocean marine losses; unpaid inland losses; total unpaid losses; premiums on fire risks in force; premiums on ocean marine and on inland risks in force; total unearned premiums; amount reclaimable by the assured on perpetual fire insurance policies; net premium reserve, and all other liabilities, except capital under life insurance or any other special department; unearned balance of bills and notes taken in advance for premiums on ocean marine and inland policies and returnable in settlement; cash dividends to stockholders remaining unpaid; principal unpaid on scrip or certificates of profits authorized to be redeemed; interest on scrip due and declared remaining unpaid; amount due and to become due for cash premiums returnable as

profit on surrendered or terminated policies; total liabilities on account of dividends and profits; amount due and to become due for borrowed money, including interest; amount due and to become due for salaries; amount due and to become due for commissions and brokerage; amount due for rent, taxes, and all other expenses not previously specified; all other debts and demands against companies; total liabilities, exclusive of capital, scrip, and premium notes; capital and scrip liabilities; contingent liabilities; total ledger liabilities; policy holders' surplus, and surplus over all liabilities.

Table 4 is a summary of the income and receipts of these companies during the year 1889, and shows the net cash received for fire premiums and fees; deposit premiums received on perpetual risks, less amount returned during the year; amount received for assessments or calls on premium notes or otherwise; total net cash received for fire premiums and assessments; net cash received for ocean marine premiums; net cash received for inland navigation and transportation premiums; total net cash received for premiums and assessments; cash received for interest and dividends on bonds, stocks, loans, and all other sources; cash received from rents and other investments; borrowed money received; cash received from home offices of foreign companies; cash received from all other sources, exclusive of increased capital or calls on capital; cash received from increased capital or calls on capital; total amount of cash received from all sources; bills receivable taken during the year remaining unpaid; premium notes, contingent premiums, and all other resources subject to assessment received during the year; total income and receipts during the year.

Table 5 is a summary of the disbursements of these companies during the year 1889, and shows term fire, perpetual fire, ocean marine, and inland navigation losses paid in cash; dividends and profits paid in cash; cash paid on account of expense of management; cash paid for taxes on real estate; borrowed money returned; interest paid, exclusive of interest paid on scrip; amount returned to home offices from foreign companies; all other expenditures in cash; total expenditures in cash; expenditures other than cash; assessments on premium or deposit notes that reduced their face value; notes and all other resources subject to assessment returned or canceled, and the total expenditures.

Table 6 is a summary of the risks in force and premiums charged thereon December 31, 1889, by the fire, ocean marine, and inland navigation and transportation insurance companies of Classes 1, 2, 3, 3a, 4, and 5 transacting business December 31, 1889.

Tables 7 to 12, inclusive, relate to 59 level premium life insurance companies of Class A reporting as transacting business in the United States December 31, 1889.

Table 7 is a summary of the income during the year 1889 of these companies, showing cash received for premiums without deduction for commission or other expense; premium notes, loans, or liens taken in part payment for premiums; premiums paid by dividends, including reconvered additions and surrendered policies; cash received for annuities; total premium income; amount of premiums paid to other companies for reinsurance on policies, less dividends thereon; total net premium income; cash received for interest upon mortgage loans; cash received for interest on bonds owned and dividends on stock; cash received for interest on premium notes, loans, or liens; cash received for interest on other debts due; cash received as discount on claims paid in advance; cash received for rents for use of companies' property; cash received for profits on bonds, stock, and real estate actually sold; interest income from all other sources; total income from investments; cash received from all other sources; total income and receipts.

Table 8 is a summary, by states, of the disbursements of these companies during the census year, giving the cash and premium notes, loans, or liens paid for losses

and additions; cash and premium notes, loans, or liens paid for matured endowments; total losses and matured endowments; amount received from other companies on policies reinsured and the total net amount actually paid for losses and matured endowments; cash paid to annuitants; cash paid for surrendered policies; premium notes, loans, or liens used in purchase of surrendered policies and voided by lapse; cash surrendered values, including reconverted additions applied in payment of premiums; cash dividends paid to policy holders, including dividends applied in payment of premiums; premium notes, loans, or liens used in payment of dividends to policy holders; total paid to policy holders; cash paid to stockholders for interest and dividends; cash paid for commission to agents; cash paid for salaries and traveling expenses of managers or agents and general, special, and local agents; cash paid for medical examiners' fees; cash paid for salaries and other compensation of officers and other office employes; cash paid for taxes, licenses, fines, and fees; cash paid for rent (less amount received under sublease); cash paid for all other items; all disbursements not previously specified; total disbursements.

Table 9 is a summary, by states, of the assets of these companies December 31, 1889, and shows the cost value of real estate, exclusive of all incumbrances; loans on bonds and mortgages on real estate; loans secured by pledge of bonds, stocks, or other marketable collaterals; loans made in cash to policy holders on companies' policies assigned as collateral; premium notes, loans, or liens on policies in force; cost value of stocks and bonds owned absolutely; cash in companies' offices and deposited in banks; bills receivable; agents' ledger balances; all other items not previously mentioned; total available assets; depreciation from cost of assets to bring the same to market value; total net ledger assets, less depreciation; interest due and accrued on bonds, mortgages, stocks, collateral loans, etc.; interest due and accrued on premium notes, loans, or liens; total interest; rents due and accrued on companies' property or lease; market value of real estate over cost; market value of bonds and stocks over cost; due from other companies for losses or claims on policies of companies reinsured; gross premiums due and unreported on policies in force December 31, 1889; gross deferred premiums on policies in force December 31, 1889; total gross uncollected and deferred premiums; the loading on the above gross amounts; net amount of uncollected and deferred premiums; all other assets; total assets, as per books of the company.

Table 10 is a summary, by states, of the liabilities of these companies December 31, 1889, and exhibits the net present value of the outstanding policies in force on the 31st day of December, 1889, computed according to the actuaries' table of mortality, with 4 per cent interest; net reserve premium obligations in excess of the net value of policies; claims for death losses due and unpaid; claims for matured endowments due and unpaid; claims for death losses and matured endowments in process of adjustment or adjusted and not due; claims for death losses and other policy claims resisted; amounts due and unpaid on annuity claims; total policy claims; amount of all unpaid dividends of surplus or other profits due policy holders; amount of unpaid dividends to stockholders; amount of national, state, or other taxes due; amount due on account of salaries, rents, and office expenses; amount due for borrowed money, including interest due or accrued; amount due to officers or others for advances on account of expenses or claims; amount of all other liabilities; liabilities on account of policy holders; capital stock paid up in cash; total liabilities, including capital.

Table 11 is a summary, by states, of the premium note account of these companies for the year 1889, and shows the premium notes, loans, or liens on hand December 31, 1888; premium notes, loans, or liens received during the year 1889; total deductions during the year, as follows: amount of notes, loans, or liens used in payment of losses and claims; amount of notes, loans, or liens used in purchase of surrendered policies and voided by lapse; amount of notes, loans, or liens used in payment of dividends

to policy holders; amount of notes, loans, or liens redeemed by maker in cash; total deductions of premium note account, and the balance of note assets at the end of year.

Table 12 is a summary of the number of policies and risks in force December 31, 1889, of the life insurance companies of Class A reporting as transacting business on December 31, 1889.

The following classification is employed herein:

Class 1.—Companies having a joint stock capital, doing either a fire, ocean marine, or inland navigation and transportation insurance business.

Class 2.—Companies having guaranty capital, and doing either a fire, ocean marine, or inland navigation and transportation insurance business.

Class 3.—Companies doing a fire insurance business on the mutual plan and insuring only manufacturing property.

Class 3a.—Companies doing a marine insurance business on the mutual plan and insuring ocean marine risks.

Class 4.—Companies doing a fire insurance business on the mutual plan and insuring all kinds of property on land.

Class 5.—Companies doing a fire insurance business on the mutual plan and insuring only dwellings and contents and farm property.

Class A.—Life insurance companies doing business on the level premium plan.

INSURANCE.

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TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS. (a)

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| Total United States | \$120,067,235,826 | \$1,156,450,512 | \$647,663,097 | \$0.9632 | \$0.5394 | \$0.5600 |
| Alabama | 557,954,872 | 7,408,884 | 3,708,844 | 1.3279 | 0.6647 | 0.5006 |
| Term fire, Class 1 | 502,341,448 | 7,052,589 | 3,594,780 | 1.4039 | 0.7156 | 0.5097 |
| Ocean marine, Class 1 | 18,978,383 | 132,892 | 54,387 | 0.7002 | 0.2866 | 0.4093 |
| Inland, Class 1 | 34,579,774 | 198,394 | 57,520 | 0.5737 | 0.1663 | 0.2809 |
| Term fire, Class 3 | 91,400 | 800 | ..... | 0.8753 | ..... | ..... |
| Term fire, Class 4 | 1,787,792 | 23,039 | 857 | 1.2682 | 0.0493 | 0.0389 |
| Term fire, Class 5 | 226,075 | 2,170 | 1,300 | 0.9599 | 0.5750 | 0.5991 |
| Alaska | 2,248,677 | 70,538 | 38,241 | 3.1369 | 1.7006 | 0.5421 |
| Term fire, Class 1 | 2,248,677 | 70,538 | 38,241 | 3.1369 | 1.7006 | 0.5421 |
| Arizona | 20,907,456 | 516,386 | 458,704 | 2.4628 | 2.1877 | 0.8883 |
| Term fire, Class 1 | 20,964,956 | 516,317 | 458,704 | 2.4628 | 2.1880 | 0.8884 |
| Term fire, Class 4 | 2,500 | 69 | ..... | 2.7600 | ..... | ..... |
| Arkansas | 199,797,491 | 4,190,773 | 2,811,122 | 2.0975 | 1.4070 | 0.6708 |
| Term fire, Class 1 | 192,102,565 | 4,034,509 | 2,715,402 | 2.1002 | 1.4135 | 0.6730 |
| Ocean marine, Class 1 | 326,605 | 2,221 | ..... | 0.6800 | ..... | ..... |
| Inland, Class 1 | 2,348,934 | 20,187 | 16,651 | 0.8594 | 0.7089 | 0.8248 |
| Tornado, Class 1 | 4,527,154 | 124,198 | 77,099 | 2.7434 | 1.7030 | 0.6208 |
| Term fire, Class 4 | 402,233 | 9,658 | 1,970 | 1.9621 | 0.4002 | 0.2040 |
| California | 4,071,422,851 | 61,556,226 | 26,557,650 | 1.5119 | 0.6523 | 0.4314 |
| Term fire, Class 1 | 2,949,318,002 | 47,044,084 | 19,844,223 | 1.5951 | 0.6728 | 0.4218 |
| Ocean marine, Class 1 | 1,105,371,656 | 14,425,832 | 6,657,443 | 1.3051 | 0.6023 | 0.4615 |
| Inland, Class 1 | 14,419,618 | 57,632 | 30,825 | 0.3997 | 0.2138 | 0.5349 |
| Ocean marine, Class 3a | 715,450 | 14,242 | 17,110 | 1.9906 | 2.3915 | 1.2014 |
| Term fire, Class 4 | 1,598,125 | 14,486 | 8,049 | 0.9064 | 0.5037 | 0.5556 |
| Colorado | 494,801,584 | 7,911,688 | 3,219,616 | 1.8196 | 0.7405 | 0.4069 |
| Term fire, Class 1 | 426,113,733 | 7,691,503 | 3,154,589 | 1.8050 | 0.7403 | 0.4101 |
| Tornado, Class 1 | 31,220 | 234 | ..... | 0.7495 | ..... | ..... |
| Term fire, Class 4 | 8,656,631 | 219,951 | 65,027 | 2.5408 | 0.7512 | 0.2950 |
| Connecticut | 2,058,810,952 | 19,134,608 | 9,367,179 | 0.9294 | 0.4550 | 0.4895 |
| Term fire, Class 1 | 1,562,028,513 | 15,047,849 | 7,764,574 | 1.0018 | 0.4971 | 0.4962 |
| Ocean marine, Class 1 | 40,612,167 | 433,788 | 322,965 | 1.0881 | 0.7952 | 0.7445 |
| Inland, Class 1 | 55,347,543 | 180,107 | 97,023 | 0.3254 | 0.1769 | 0.5437 |
| Term fire, Class 3 | 117,917,994 | 1,081,202 | 147,431 | 0.9170 | 0.1250 | 0.1364 |
| Ocean marine, Class 3a | 583,629 | 3,815 | 1,306 | 0.6537 | 0.2392 | 0.3659 |
| Term fire, Class 4 | 48,070,344 | 422,104 | 303,906 | 0.8781 | 0.6422 | 0.7200 |
| Term fire, Class 5 | 234,250,702 | 1,365,083 | 728,984 | 0.5890 | 0.3112 | 0.5238 |
| Dakota (North and South) | 335,563,380 | 7,177,691 | 3,123,538 | 2.1390 | 0.9308 | 0.4352 |
| Term fire, Class 1 | 320,914,162 | 6,680,487 | 2,993,963 | 2.0817 | 0.9329 | 0.4482 |
| Inland, Class 1 | 904,211 | 4,212 | ..... | 0.4658 | ..... | ..... |
| Tornado, Class 1 | 3,954,610 | 67,461 | 29,595 | 1.7059 | 0.7484 | 0.4387 |
| Term fire, Class 3 | 214,000 | 4,904 | 3,000 | 2.2016 | 1.4019 | 0.6117 |
| Term fire, Class 4 | 3,579,386 | 284,626 | 53,654 | 7.9518 | 1.4900 | 0.1885 |
| Term fire, Class 5 | 5,997,011 | 136,001 | 43,326 | 2.2678 | 0.7225 | 0.3186 |
| Delaware | 383,381,332 | 2,017,589 | 1,174,619 | 0.5263 | 0.3004 | 0.5822 |
| Term fire, Class 1 | 137,653,507 | 1,015,030 | 681,080 | 0.7374 | 0.4948 | 0.6710 |
| Ocean marine, Class 1 | 105,706 | 825 | ..... | 0.4216 | ..... | ..... |
| Inland, Class 1 | 3,118,288 | 13,435 | 25,100 | 0.4308 | 0.8049 | 1.8083 |
| Tornado, Class 1 | 6,500 | 12 | ..... | 0.1846 | ..... | ..... |
| Term fire, Class 3 | 2,714,129 | 27,253 | 21,359 | 1.0041 | 0.7870 | 0.7837 |
| Term fire, Class 4 | 229,633,140 | 888,386 | 381,401 | 0.3860 | 0.1661 | 0.4293 |
| Term fire, Class 5 | 10,060,062 | 72,654 | 65,670 | 0.7222 | 0.6523 | 0.9039 |

a The whole amount of tornado business is not shown separately, as most of the companies include the tornado business in the fire business and report it all as fire business. In the accompanying table only tornado business reported separately is shown.

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS—Continued.

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| District of Columbia..... | \$630,680,959 | \$3,140,808 | \$988,049 | \$0.4980 | \$0.1567 | \$0.3146 |
| Term fire, Class 1..... | 533,623,944 | 2,908,787 | 934,232 | 0.5451 | 0.1751 | 0.3212 |
| Ocean marine, Class 1..... | 213,070 | 1,290 | 4,372 | 0.6054 | 2.0510 | 3.3891 |
| Tornado, Class 1..... | 5,816 | 16 | 16 | 0.2751 | 0.2751 | 0.2751 |
| Term fire, Class 4..... | 96,838,129 | 230,715 | 49,445 | 0.2382 | 0.0511 | 0.2143 |
| Florida..... | 144,460,185 | 2,488,133 | 2,329,224 | 1.7224 | 1.6124 | 0.9361 |
| Term fire, Class 1..... | 141,780,848 | 2,468,086 | 2,315,727 | 1.7408 | 1.6333 | 0.9383 |
| Ocean marine, Class 1..... | 1,019,030 | 6,824 | 9,971 | 0.6697 | 0.9785 | 1.4612 |
| Inland, Class 1..... | 1,162,689 | 3,827 | 2,721 | 0.3292 | 0.2341 | 0.7110 |
| Term fire, Class 4..... | 498,218 | 9,396 | 805 | 1.8850 | 0.1610 | 0.0857 |
| Georgia..... | 1,201,132,655 | 13,565,374 | 8,266,203 | 1.1294 | 0.6882 | 0.6094 |
| Term fire, Class 1..... | 950,849,300 | 10,928,326 | 7,332,379 | 1.1493 | 0.7711 | 0.6710 |
| Ocean marine, Class 1..... | 42,199,246 | 236,157 | 123,679 | 0.5596 | 0.2931 | 0.5237 |
| Inland, Class 1..... | 166,098 | 622 | 374 | 0.3745 | 0.3745 | 0.3745 |
| Tornado, Class 1..... | 18,200 | 136 | 136 | 0.7473 | 0.7473 | 0.7473 |
| Term fire, Class 3..... | 4,325,688 | 37,417 | 11,084 | 0.8650 | 0.2562 | 0.2962 |
| Ocean marine, Class 2a..... | 1,911,000 | 9,555 | 4,510 | 0.5000 | 0.2360 | 0.4720 |
| Term fire, Class 4..... | 201,663,123 | 2,353,161 | 794,551 | 1.1669 | 0.3940 | 0.3377 |
| Idaho..... | 11,263,903 | 322,776 | 185,402 | 2.8656 | 1.6465 | 0.5746 |
| Term fire, Class 1..... | 11,263,903 | 322,776 | 185,402 | 2.8656 | 1.6465 | 0.5746 |
| Illinois..... | 7,713,340,688 | 82,890,501 | 37,330,710 | 1.0746 | 0.4840 | 0.4504 |
| Term fire, Class 1..... | 6,763,605,095 | 74,742,650 | 32,505,363 | 1.1051 | 0.4866 | 0.4340 |
| Ocean marine, Class 1..... | 95,303,891 | 480,544 | 192,947 | 0.5105 | 0.2925 | 0.3666 |
| Inland, Class 1..... | 511,478,550 | 2,310,402 | 1,981,209 | 0.4576 | 0.3874 | 0.8466 |
| Tornado, Class 1..... | 24,004,062 | 388,180 | 56,209 | 1.6172 | 0.2342 | 0.1448 |
| Term fire, Class 3..... | 45,795,373 | 2,151,093 | 1,004,314 | 4.0970 | 2.3231 | 0.4948 |
| Inland, Class 3a..... | 36,501,194 | 148,472 | 125,632 | 0.4008 | 0.3442 | 0.8462 |
| Term fire, Class 4..... | 95,447,940 | 1,733,992 | 789,213 | 1.8107 | 0.8269 | 0.4551 |
| Term fire, Class 5..... | 141,213,583 | 899,252 | 615,733 | 0.6368 | 0.4360 | 0.6847 |
| Indiana..... | 2,014,835,179 | 23,592,316 | 14,083,977 | 1.1709 | 0.6990 | 0.5970 |
| Term fire, Class 1..... | 1,798,209,696 | 21,907,921 | 13,006,445 | 1.2183 | 0.7233 | 0.5937 |
| Ocean marine, Class 1..... | 1,583,967 | 11,321 | 714 | 0.7147 | 0.7147 | 0.7147 |
| Inland, Class 1..... | 7,583,049 | 76,791 | 52,509 | 1.0127 | 0.6925 | 0.6838 |
| Tornado, Class 1..... | 2,949,336 | 27,160 | 7,755 | 0.9209 | 0.2629 | 0.2855 |
| Term fire, Class 3..... | 3,335,888 | 53,816 | 2,427 | 1.6395 | 0.0728 | 0.0451 |
| Term fire, Class 4..... | 127,429,309 | 1,192,179 | 743,293 | 0.9356 | 0.5825 | 0.6226 |
| Term fire, Class 5..... | 73,744,434 | 323,128 | 272,543 | 0.4382 | 0.3690 | 0.8435 |
| Indian territory..... | 5,988,069 | 134,051 | 79,930 | 2.2349 | 1.3320 | 0.5963 |
| Term fire, Class 1..... | 5,772,845 | 130,836 | 79,230 | 2.2664 | 1.3725 | 0.6056 |
| Tornado, Class 1..... | 117,008 | 642 | 642 | 0.5487 | 0.5487 | 0.5487 |
| Term fire, Class 4..... | 108,216 | 2,573 | 700 | 2.3777 | 0.6460 | 0.2721 |
| Iowa..... | 2,091,313,448 | 30,207,693 | 12,690,135 | 1.4444 | 0.6068 | 0.4201 |
| Term fire, Class 1..... | 1,887,933,204 | 27,868,792 | 11,300,580 | 1.4762 | 0.6037 | 0.4089 |
| Ocean marine, Class 1..... | 244,710 | 1,180 | 1,180 | 0.4822 | 0.4822 | 0.4822 |
| Inland, Class 1..... | 5,292,643 | 26,872 | 11,711 | 0.5077 | 0.2213 | 0.4358 |
| Tornado, Class 1..... | 26,684,547 | 356,530 | 110,072 | 1.3961 | 0.4125 | 0.4087 |
| Term fire, Class 2..... | 7,114,977 | 138,667 | 41,255 | 1.9489 | 0.5798 | 0.2975 |
| Term fire, Class 3..... | 11,844,800 | 283,622 | 221,020 | 2.3945 | 1.8660 | 0.7793 |
| Term fire, Class 4..... | 38,896,533 | 931,276 | 424,432 | 2.3942 | 1.0012 | 0.4558 |
| Term fire, Class 5..... | 104,851,412 | 589,662 | 483,211 | 0.5624 | 0.4609 | 0.8195 |
| Tornado, Class 5..... | 8,456,622 | 11,092 | 1,854 | 0.1313 | 0.0219 | 0.1671 |

INSURANCE.

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TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS—Continued.

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| Kansas | \$1,042,108,070 | \$16,024,530 | \$7,253,648 | \$1.5377 | \$0.6961 | \$0.4527 |
| Term fire, Class 1 | 980,425,868 | 14,850,377 | 6,881,598 | 1.5147 | 0.7019 | 0.4634 |
| Ocean marine, Class 1 | 320,096 | 1,789 | 1,789 | 0.5589 | | |
| Inland, Class 1 | 19,520 | 229 | 229 | 1.1732 | | |
| Tornado, Class 1 | 29,175,693 | 540,647 | 166,242 | 1.8531 | 0.5767 | 0.3112 |
| Term fire, Class 3 | 1,099,025 | 51,474 | 35,332 | 4.6836 | 3.2148 | 0.6804 |
| Term fire, Class 4 | 23,487,614 | 517,399 | 147,640 | 2.2029 | 0.6286 | 0.2854 |
| Term fire, Class 5 | 7,580,254 | 62,624 | 20,896 | 0.8261 | 0.2757 | 0.3337 |
| Kentucky | 1,516,980,756 | 19,944,420 | 11,293,550 | 1.2554 | 0.7445 | 0.5930 |
| Term fire, Class 1 | 1,436,660,771 | 17,935,332 | 10,696,055 | 1.2484 | 0.7445 | 0.5961 |
| Inland, Class 1 | 45,236,073 | 610,465 | 350,304 | 1.3495 | 0.7744 | 0.5738 |
| Tornado, Class 1 | 6,294,337 | 122,730 | 65,338 | 1.9500 | 1.0380 | 0.5323 |
| Term fire, Class 3 | 114,500 | 1,795 | 3,914 | 1.5677 | 3.4183 | 2.1805 |
| Term fire, Class 4 | 13,962,418 | 156,153 | 39,189 | 1.1184 | 0.2897 | 0.2510 |
| Term fire, Class 5 | 14,703,657 | 217,936 | 138,750 | 1.4822 | 0.9436 | 0.6367 |
| Louisiana | 3,235,296,263 | 30,294,728 | 14,094,507 | 0.9364 | 0.4356 | 0.4652 |
| Term fire, Class 1 | 2,159,784,900 | 22,294,826 | 10,439,496 | 1.0323 | 0.4834 | 0.4682 |
| Ocean marine, Class 1 | 507,931,319 | 4,202,141 | 1,720,109 | 0.8273 | 0.3380 | 0.4093 |
| Inland, Class 1 | 563,128,271 | 3,744,594 | 1,927,680 | 0.6650 | 0.3423 | 0.5148 |
| Tornado, Class 1 | 193,525 | 1,909 | 1,909 | 0.9864 | | |
| Term fire, Class 3 | 130,000 | 1,318 | 1,318 | 1.0138 | | |
| Ocean marine, Class 3a | 1,511,830 | 13,677 | 3,949 | 0.9047 | 0.2612 | 0.2887 |
| Term fire, Class 4 | 2,616,328 | 36,263 | 3,273 | 1.3860 | 0.1251 | 0.6903 |
| Maine | 987,085,858 | 14,600,682 | 9,397,685 | 1.4852 | 0.9490 | 0.6390 |
| Term fire, Class 1 | 737,034,953 | 9,672,136 | 6,212,859 | 1.3123 | 0.8430 | 0.6423 |
| Ocean marine, Class 1 | 98,849,520 | 2,802,390 | 2,094,401 | 2.8350 | 2.1188 | 0.7474 |
| Inland, Class 1 | 61,857 | 448 | 2,985 | 0.7243 | 4.8256 | 0.6620 |
| Term fire, Class 3 | 66,919,119 | 593,543 | 48,340 | 0.8870 | 0.0722 | 0.0814 |
| Ocean marine, Class 3a | 41,690,316 | 999,964 | 672,628 | 2.3986 | 1.0134 | 0.6727 |
| Term fire, Class 4 | 13,621,343 | 163,428 | 54,108 | 1.1998 | 0.3972 | 0.3311 |
| Term fire, Class 5 | 28,908,710 | 428,773 | 282,364 | 1.4832 | 0.9767 | 0.6585 |
| Maryland | 2,618,542,934 | 17,593,455 | 11,236,678 | 0.6719 | 0.4291 | 0.6387 |
| Term fire, Class 1 | 2,066,882,011 | 12,683,652 | 7,879,782 | 0.6137 | 0.3812 | 0.6213 |
| Ocean marine, Class 1 | 292,637,693 | 1,898,543 | 1,347,401 | 0.6488 | 0.4604 | 0.7097 |
| Inland, Class 1 | 26,118,126 | 161,290 | 90,904 | 0.6175 | 0.3710 | 0.6008 |
| Tornado, Class 1 | 5,500 | 16 | 16 | 0.2909 | | |
| Perpetual fire, Class 1 | 38,000 | 41,085 | | 2.8553 | | |
| Ocean marine, Class 2 | 472,347 | 5,123 | 2,407 | 1.0846 | 0.5096 | 0.4698 |
| Term fire, Class 3 | 16,985,686 | 182,077 | 3,611 | 1.0719 | 0.0213 | 0.0198 |
| Ocean marine, Class 3a | 39,887,563 | 421,737 | 206,322 | 1.0573 | 0.5925 | 0.5604 |
| Term fire, Class 4 | 97,145,542 | 1,639,297 | 1,326,069 | 1.6874 | 1.3657 | 0.8093 |
| Term fire, Class 5 | 67,460,192 | 272,666 | 170,321 | 0.4041 | 0.2524 | 0.6247 |
| Perpetual fire, Class 5 | 10,991,334 | 6328,069 | 173,261 | 3.0694 | 1.5894 | 0.5281 |
| Massachusetts | 9,878,941,118 | 105,463,754 | 63,046,905 | 1.0677 | 0.6383 | 0.5978 |
| Term fire, Class 1 | 5,503,000,351 | 55,042,074 | 34,979,383 | 1.0002 | 0.6356 | 0.6355 |
| Ocean marine, Class 1 | 1,865,980,999 | 21,829,826 | 15,135,695 | 1.1699 | 0.8111 | 0.6983 |
| Inland, Class 1 | 121,308,632 | 714,619 | 508,450 | 0.5891 | 0.4191 | 0.7115 |
| Tornado, Class 1 | 1,500 | 3 | 3 | 0.2000 | | |
| Term fire, Class 2 | 42,869,577 | 311,840 | 68,174 | 0.7274 | 0.1590 | 0.2186 |
| Ocean marine, Class 2 | 46,912,414 | 1,169,382 | 976,426 | 2.4927 | 2.0814 | 0.8350 |
| Term fire, Class 3 | 1,117,925,541 | 9,699,566 | 2,910,193 | 0.8676 | 0.2603 | 0.3000 |
| Ocean marine, Class 3a | 426,287,464 | 6,362,027 | 4,993,770 | 1.4924 | 1.1715 | 0.7849 |
| Term fire, Class 4 | 548,530,672 | 7,684,211 | 2,675,631 | 1.4009 | 0.4878 | 0.3482 |
| Term fire, Class 5 | 205,133,968 | 2,650,206 | 799,183 | 1.2919 | 0.3896 | 0.3016 |

^a Deposit premiums received.

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS—Continued.

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| Michigan | \$2,502,427.942 | \$34,740,848 | \$19,590,021 | \$1.3883 | \$0.7829 | \$0.5630 |
| Term fire, Class 1 | 2,102,006,808 | 29,528,424 | 16,204,378 | 1.4048 | 0.7709 | 0.5488 |
| Ocean marine, Class 1 | 2,254,608 | 10,207 | 5,922 | 0.4572 | 0.2627 | 0.5746 |
| Inland, Class 1 | 131,165,028 | 1,186,721 | 690,986 | 0.9047 | 0.5268 | 0.5823 |
| Tornado, Class 1 | 146,731 | 1,071 | ..... | 0.7299 | ..... | ..... |
| Term fire, Class 3 | 14,906,506 | 515,249 | 269,763 | 3.4565 | 1.8097 | 0.5236 |
| Inland, Class 3a | 2,071,897 | 22,721 | 4,355 | 1.0060 | 0.2102 | 0.1917 |
| Term fire, Class 4 | 62,023,595 | 712,192 | 208,035 | 1.1483 | 0.3954 | 0.2921 |
| Term fire, Class 5 | 187,852,109 | 2,764,169 | 2,207,182 | 1.4715 | 1.1750 | 0.7985 |
| Minnesota | 1,907,887,272 | 25,559,793 | 15,786,319 | 1.3397 | 0.8274 | 0.6170 |
| Term fire, Class 1 | 1,636,209,538 | 23,325,304 | 14,481,831 | 1.4256 | 0.8820 | 0.6187 |
| Ocean marine, Class 1 | 15,118,363 | 95,735 | 6,234 | 0.6332 | 0.0412 | 0.0651 |
| Inland, Class 1 | 156,043,639 | 564,310 | 327,869 | 0.3616 | 0.2101 | 0.5810 |
| Tornado, Class 1 | 2,900,078 | 34,292 | 15,830 | 1.1825 | 0.5458 | 0.4616 |
| Term fire, Class 3 | 13,142,000 | 515,784 | 449,520 | 3.9247 | 3.4205 | 0.8715 |
| Inland, Class 3a | 5,129,927 | 11,003 | 2,316 | 0.2145 | 0.0451 | 0.2105 |
| Term fire, Class 4 | 27,450,622 | 697,069 | 382,923 | 2.5304 | 1.3950 | 0.5493 |
| Term fire, Class 5 | 31,892,985 | 316,296 | 169,990 | 0.6095 | 0.3276 | 0.5374 |
| Mississippi | 254,487,079 | 4,571,047 | 2,620,732 | 1.7062 | 1.0298 | 0.5733 |
| Term fire, Class 1 | 242,081,272 | 4,507,381 | 2,538,943 | 1.8019 | 1.0488 | 0.5693 |
| Ocean marine, Class 1 | 1,028,257 | 7,068 | 1,198 | 0.6874 | 0.1165 | 0.1695 |
| Inland, Class 1 | 10,346,445 | 46,111 | 40,201 | 0.4457 | 0.3885 | 0.8718 |
| Tornado, Class 1 | 275,155 | 2,041 | 390 | 0.7418 | 0.1417 | 0.1911 |
| Term fire, Class 3 | 214,000 | 2,292 | ..... | 1.0710 | ..... | ..... |
| Term fire, Class 4 | 541,950 | 6,154 | 40,000 | 1.1355 | 7.3808 | 6.4998 |
| Missouri | 3,534,000,188 | 41,749,116 | 25,039,080 | 1.1814 | 0.7255 | 0.6141 |
| Term fire, Class 1 | 2,971,622,220 | 36,674,286 | 22,593,840 | 1.2842 | 0.7003 | 0.6161 |
| Ocean marine, Class 1 | 45,088,707 | 242,609 | 132,173 | 0.5383 | 0.4040 | 0.7506 |
| Inland, Class 1 | 245,472,825 | 1,605,956 | 1,209,117 | 0.6542 | 0.4926 | 0.7529 |
| Tornado, Class 1 | 18,065,839 | 258,572 | 70,320 | 1.4313 | 0.3892 | 0.2720 |
| Term fire, Class 3 | 3,929,225 | 93,159 | 56,254 | 2.3704 | 1.4317 | 0.6040 |
| Inland, Class 3a | 17,894,638 | 150,706 | 139,114 | 0.8404 | 0.6213 | 0.9231 |
| Term fire, Class 4 | 219,510,638 | 2,637,464 | 1,339,488 | 1.2446 | 0.6273 | 0.5041 |
| Term fire, Class 5 | 18,306,060 | 66,264 | 48,777 | 0.3581 | 0.2636 | 0.7361 |
| Montana | 98,956,097 | 2,351,020 | 1,033,278 | 2.3764 | 1.0442 | 0.4394 |
| Term fire, Class 1 | 98,926,547 | 2,351,482 | 1,033,083 | 2.3770 | 1.0443 | 0.4393 |
| Inland, Class 1 | 24,950 | 65 | 195 | 0.2605 | 0.7816 | 3.0000 |
| Term fire, Class 4 | 4,600 | 73 | ..... | 1.5870 | ..... | ..... |
| Nebraska | 711,659,242 | 12,088,550 | 4,254,302 | 1.6986 | 0.5978 | 0.3519 |
| Term fire, Class 1 | 688,059,733 | 11,747,805 | 4,135,511 | 1.7074 | 0.6010 | 0.3520 |
| Ocean marine, Class 1 | 17,611 | 63 | ..... | 0.3577 | ..... | ..... |
| Inland, Class 1 | 31,000 | 295 | 2,000 | 0.9516 | 6.4510 | 6.7797 |
| Tornado, Class 1 | 14,906,836 | 304,485 | 88,440 | 2.0429 | 0.5033 | 0.2905 |
| Term fire, Class 3 | 430,500 | 8,843 | 12,000 | 2.0541 | 2.7875 | 1.3570 |
| Term fire, Class 4 | 789,555 | 8,550 | ..... | 1.0829 | ..... | ..... |
| Term fire, Class 5 | 7,424,007 | 18,509 | 10,351 | 0.2493 | 0.2202 | 0.8834 |
| Nevada | 40,543,207 | 1,070,618 | 430,245 | 2.6407 | 1.0612 | 0.4019 |
| Term fire, Class 1 | 40,541,902 | 1,070,579 | 430,245 | 2.6407 | 1.0612 | 0.4019 |
| Term fire, Class 4 | 1,305 | 39 | ..... | 2.9885 | ..... | ..... |
| New Hampshire | 593,699,103 | 6,866,854 | 3,487,617 | 1.1566 | 0.5874 | 0.5079 |
| Term fire, Class 1 | 423,432,989 | 5,082,733 | 2,783,253 | 1.2004 | 0.6573 | 0.5476 |
| Term fire, Class 2 | 103,476,840 | 865,777 | 273,643 | 0.8367 | 0.2645 | 0.3161 |
| Term fire, Class 4 | 43,173,324 | 707,227 | 295,566 | 1.6381 | 0.6846 | 0.4179 |
| Term fire, Class 5 | 23,615,950 | 211,117 | 135,150 | 0.8940 | 0.5723 | 0.6402 |

TABLE I.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS—Continued.

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| New Jersey..... | \$3,032,580,319 | \$24,747,782 | \$11,537,120 | \$0.8161 | \$0.3804 | \$0.4662 |
| Term fire, Class 1..... | 2,847,701,964 | 22,356,654 | 10,107,714 | 0.7851 | 0.3549 | 0.4521 |
| Perpetual fire, Class 1..... | 88,900 | 41,998 | 16 | 2.2475 | 0.0180 | 0.0080 |
| Ocean marine, Class 1..... | 190,510 | 620 | ..... | 0.3254 | ..... | ..... |
| Inland, Class 1..... | 14,151,109 | 96,470 | 74,529 | 0.6817 | 0.5207 | 0.7726 |
| Tornado, Class 1..... | 32,500 | 101 | ..... | 0.3108 | ..... | ..... |
| Term fire, Class 3..... | 44,414,819 | 405,246 | 35,106 | 0.9124 | 0.0790 | 0.0866 |
| Ocean marine, Class 3a..... | 2,751,255 | 194,550 | 119,923 | 7.0713 | 4.3588 | 0.6164 |
| Term fire, Class 4..... | 83,121,119 | 929,234 | 647,405 | 1.1179 | 0.7789 | 0.6907 |
| Term fire, Class 5..... | 40,128,143 | 762,909 | 552,427 | 1.9012 | 1.3767 | 0.7241 |
| New Mexico..... | 50,471,251 | 1,056,017 | 575,411 | 2.0924 | 1.1401 | 0.5449 |
| Term fire, Class 1..... | 50,466,251 | 1,055,038 | 575,411 | 2.0924 | 1.1402 | 0.5449 |
| Tornado, Class 1..... | 2,000 | 25 | ..... | 1.2500 | ..... | ..... |
| Term fire, Class 4..... | 3,000 | 54 | ..... | 1.8000 | ..... | ..... |
| New York..... | 43,052,561,048 | 265,464,265 | 162,384,602 | 0.6166 | 0.3772 | 0.6117 |
| Term fire, Class 1..... | 29,553,339,626 | 174,235,920 | 104,927,813 | 0.5896 | 0.3550 | 0.6022 |
| Ocean marine, Class 1..... | 5,119,308,139 | 31,722,986 | 24,525,088 | 0.6197 | 0.4791 | 0.7731 |
| Inland, Class 1..... | 2,150,674,658 | 5,581,895 | 3,709,205 | 0.2595 | 0.1725 | 0.6645 |
| Tornado, Class 1..... | 25,300 | 82 | ..... | 0.3241 | ..... | ..... |
| Term fire, Class 3..... | 119,384,372 | 1,120,065 | 300,292 | 0.9382 | 0.2515 | 0.2681 |
| Ocean marine, Class 3a..... | 5,211,873,402 | 47,532,700 | 25,627,985 | 0.9121 | 0.4918 | 0.5392 |
| Inland, Class 3a..... | 118,522,290 | 563,195 | 314,654 | 0.4752 | 0.2655 | 0.5587 |
| Term fire, Class 4..... | 489,854,508 | 3,707,169 | 2,301,949 | 0.7568 | 0.4699 | 0.6209 |
| Term fire, Class 5..... | 290,078,753 | 1,000,253 | 677,586 | 0.3448 | 0.2336 | 0.6774 |
| North Carolina..... | 384,579,454 | 5,119,567 | 3,456,351 | 1.3312 | 0.8987 | 0.6751 |
| Term fire, Class 1..... | 351,517,632 | 4,901,059 | 3,332,645 | 1.3943 | 0.9481 | 0.6800 |
| Ocean marine, Class 1..... | 22,382,418 | 140,116 | 84,886 | 0.6290 | 0.3793 | 0.6058 |
| Tornado, Class 1..... | 26,000 | 71 | ..... | 0.2731 | ..... | ..... |
| Term fire, Class 3..... | 1,538,100 | 14,644 | 6,528 | 0.9521 | 0.4244 | 0.4458 |
| Ocean marine, Class 3a..... | 6,370,072 | 34,014 | 27,225 | 0.5340 | 0.4274 | 0.8004 |
| Term fire, Class 4..... | 2,745,232 | 29,663 | 5,067 | 1.0805 | 0.1846 | 0.1708 |
| Ohio..... | 5,197,221,818 | 59,550,471 | 34,667,689 | 1.1458 | 0.6070 | 0.5822 |
| Term fire, Class 1..... | 4,152,829,236 | 46,801,075 | 26,400,422 | 1.1270 | 0.6357 | 0.5641 |
| Perpetual fire, Class 1..... | 154,500 | 3,495 | ..... | 2.2821 | ..... | ..... |
| Ocean marine, Class 1..... | 29,157,302 | 230,286 | 29,491 | 0.7555 | 0.1011 | 0.1399 |
| Inland, Class 1..... | 225,077,604 | 2,560,950 | 1,750,213 | 1.1378 | 0.7779 | 0.6854 |
| Tornado, Class 1..... | 2,231,425 | 23,120 | 7,054 | 1.0301 | 0.3152 | 0.3042 |
| Term fire, Class 3..... | 26,803,672 | 696,314 | 380,954 | 2.5978 | 1.4212 | 0.5471 |
| Inland, Class 3a..... | 2,658,793 | 12,544 | 40,223 | 0.4754 | 1.5243 | 3.2066 |
| Term fire, Class 4..... | 500,207,547 | 6,917,688 | 4,418,492 | 1.2348 | 0.7867 | 0.6387 |
| Perpetual fire, Class 4..... | 13,754,857 | 111,178 | 57,210 | 0.8083 | 0.4159 | 0.5146 |
| Term fire, Class 5..... | 184,360,582 | 2,203,221 | 1,583,070 | 1.1950 | 0.6590 | 0.7188 |
| Oregon..... | 300,432,091 | 5,537,620 | 2,084,600 | 1.8492 | 0.6938 | 0.3764 |
| Term fire, Class 1..... | 251,136,883 | 5,019,776 | 2,012,756 | 1.9988 | 0.8015 | 0.4019 |
| Ocean marine, Class 1..... | 48,870,208 | 511,885 | 71,844 | 1.0474 | 0.1470 | 0.1404 |
| Term fire, Class 4..... | 425,000 | 5,959 | ..... | 1.4021 | ..... | ..... |
| Pennsylvania..... | 8,350,773,847 | 86,126,947 | 52,198,345 | 1.0314 | 0.6251 | 0.6061 |
| Term fire, Class 1..... | 6,468,467,600 | 66,604,830 | 39,024,867 | 1.0297 | 0.6033 | 0.5859 |
| Perpetual fire, Class 1..... | 108,078,565 | 2,501,721 | 752,139 | 2.3147 | 0.0650 | 0.3066 |
| Ocean marine, Class 1..... | 621,743,800 | 5,164,683 | 4,338,024 | 0.8307 | 0.6977 | 0.8399 |
| Inland, Class 1..... | 86,808,673 | 786,296 | 529,695 | 0.9058 | 0.6102 | 0.6737 |
| Tornado, Class 1..... | 61,600 | 177 | ..... | 0.2873 | ..... | ..... |
| Term fire, Class 3..... | 82,919,602 | 829,275 | 269,483 | 1.0001 | 0.3250 | 0.3250 |
| Ocean marine, Class 3a..... | 17,929,463 | 184,471 | 29,982 | 0.7509 | 0.1672 | 0.2230 |
| Term fire, Class 4..... | 475,960,467 | 3,811,749 | 2,357,790 | 0.8009 | 0.4954 | 0.6186 |
| Perpetual fire, Class 4..... | 62,927 | 21,423 | ..... | 2.2614 | ..... | ..... |
| Term fire, Class 5..... | 466,054,004 | 5,895,086 | 4,544,998 | 1.2496 | 0.9733 | 0.7789 |
| Perpetual fire, Class 5..... | 20,399,337 | 2454,060 | 349,767 | 2.2259 | 1.7146 | 0.7703 |
| Tornado, Class 5..... | 1,386,000 | 3,217 | 1,600 | 0.2320 | 0.1154 | 0.4974 |

a Deposit premiums.

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS—Continued.

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| Rhode Island | \$2,207,423,489 | \$20,350,044 | \$6,544,934 | \$0.9219 | \$0.2905 | \$0.3216 |
| Term fire, Class 1 | 615,392,891 | 6,444,420 | 3,101,516 | 1.0472 | 0.5040 | 0.4813 |
| Ocean marine, Class 1 | 125,971,644 | 650,229 | 322,341 | 0.5162 | 0.2559 | 0.3057 |
| Inland, Class 1 | 19,329,175 | 101,566 | 31,027 | 0.5096 | 0.1557 | 0.3055 |
| Term fire, Class 3 | 1,342,909,605 | 11,987,281 | 2,812,724 | 0.8926 | 0.2095 | 0.2346 |
| Term fire, Class 4 | 44,561,222 | 509,513 | 120,155 | 1.1434 | 0.2831 | 0.2470 |
| Term fire, Class 5 | 58,658,948 | 657,035 | 151,171 | 1.1201 | 0.2577 | 0.2301 |
| South Carolina | 506,938,983 | 5,876,671 | 2,821,838 | 1.1592 | 0.5566 | 0.4802 |
| Term fire, Class 1 | 451,891,923 | 5,390,611 | 2,523,813 | 1.1929 | 0.5585 | 0.4682 |
| Ocean marine, Class 1 | 28,105,607 | 152,808 | 66,511 | 0.5437 | 0.2363 | 0.4353 |
| Inland, Class 1 | 153,785 | 1,012 | 1,315 | 0.6496 | 0.8441 | 1.2094 |
| Tornado, Class 1 | 28,250 | 198 | ..... | 0.7009 | ..... | ..... |
| Term fire, Class 3 | 7,656,757 | 61,786 | 93,610 | 0.8069 | 1.2230 | 1.5156 |
| Ocean marine, Class 3a | 12,345,200 | 55,398 | 32,786 | 0.4487 | 0.2656 | 0.5918 |
| Term fire, Class 4 | 4,569,806 | 56,384 | 39,534 | 1.2338 | 0.8651 | 0.7012 |
| Perpetual fire, Class 4 | 1,305,980 | 136,711 | 64,239 | 10.4081 | 4.9188 | 0.4609 |
| Term fire, Class 5 | 879,675 | 21,763 | ..... | 2.4740 | ..... | ..... |
| Tennessee | 881,540,089 | 11,836,432 | 7,588,936 | 1.3427 | 0.8609 | 0.6412 |
| Term fire, Class 1 | 809,858,495 | 11,371,531 | 7,348,848 | 1.4041 | 0.9074 | 0.6402 |
| Ocean marine, Class 1 | 29,527,673 | 124,842 | 20,689 | 0.6082 | 0.1446 | 0.2378 |
| Inland, Class 1 | 41,117,409 | 197,191 | 105,616 | 0.4796 | 0.2569 | 0.5959 |
| Tornado, Class 1 | 2,618,532 | 44,660 | 15,470 | 2.2125 | 0.7664 | 0.3464 |
| Term fire, Class 3 | 540,714 | 5,630 | 32 | 1.0412 | 0.0059 | 0.0057 |
| Term fire, Class 4 | 7,477,260 | 92,378 | 89,281 | 1.2381 | 1.1040 | 0.9544 |
| Texas | 1,378,191,765 | 21,295,022 | 13,549,362 | 1.5451 | 0.9831 | 0.6363 |
| Term fire, Class 1 | 1,216,893,902 | 29,101,373 | 13,118,502 | 1.6519 | 1.0780 | 0.6526 |
| Ocean marine, Class 1 | 138,908,829 | 1,053,705 | 357,068 | 0.7580 | 0.2575 | 0.3394 |
| Inland, Class 1 | 15,733,000 | 60,914 | 28,039 | 0.3872 | 0.1782 | 0.4603 |
| Tornado, Class 1 | 1,110,101 | 7,855 | 3,684 | 0.7075 | 0.3318 | 0.4690 |
| Term fire, Class 3 | 4,000 | 220 | ..... | 5.5000 | ..... | ..... |
| Ocean marine, Class 3a | 3,261,750 | 20,481 | 23,137 | 0.6270 | 0.7093 | 1.1297 |
| Term fire, Class 4 | 2,090,087 | 48,654 | 17,232 | 2.3278 | 0.8245 | 0.3542 |
| Term fire, Class 5 | 190,000 | 1,820 | 1,100 | 0.9579 | 0.5780 | 0.6044 |
| Utah | 62,278,767 | 1,227,884 | 389,026 | 1.9716 | 0.6247 | 0.3168 |
| Term fire, Class 1 | 62,278,767 | 1,227,884 | 389,026 | 1.9716 | 0.6247 | 0.3168 |
| Vermont | 379,472,374 | 5,189,417 | 3,698,056 | 1.3675 | 0.9745 | 0.7126 |
| Term fire, Class 1 | 262,368,345 | 3,492,151 | 2,372,830 | 1.3310 | 0.9044 | 0.6795 |
| Inland, Class 1 | 449,820 | 1,325 | 44 | 0.2946 | 0.0098 | 0.0332 |
| Term fire, Class 3 | 7,762,131 | 83,333 | 28,015 | 1.0736 | 0.3609 | 0.3362 |
| Term fire, Class 4 | 102,912,819 | 1,475,760 | 1,219,207 | 1.4340 | 1.1847 | 0.8202 |
| Term fire, Class 5 | 5,979,259 | 136,848 | 77,060 | 2.2887 | 1.3038 | 0.5997 |
| Virginia | 994,869,246 | 11,144,147 | 7,067,088 | 1.1202 | 0.7104 | 0.6342 |
| Term fire, Class 1 | 805,928,314 | 10,180,134 | 6,612,485 | 1.2632 | 0.8205 | 0.6495 |
| Ocean marine, Class 1 | 99,344,567 | 486,956 | 96,153 | 0.4902 | 0.0968 | 0.1975 |
| Inland, Class 1 | 2,010,661 | 6,534 | 2,083 | 0.3250 | 0.1036 | 0.3188 |
| Tornado, Class 1 | 2,000 | 12 | ..... | 0.6600 | ..... | ..... |
| Term fire, Class 3 | 111,300 | 1,185 | ..... | 1.0647 | ..... | ..... |
| Ocean marine, Class 3a | 601,700 | 4,611 | 515 | 0.7663 | 0.0856 | 0.1117 |
| Term fire, Class 4 | 78,770,034 | 410,678 | 310,814 | 0.5214 | 0.3946 | 0.7568 |
| Term fire, Class 5 | 8,100,650 | 34,037 | 45,038 | 0.6671 | 0.5560 | 0.8335 |
| Washington | 101,315,920 | 2,751,911 | 4,659,762 | 2.7162 | 4.5992 | 1.6933 |
| Term fire, Class 1 | 99,087,160 | 2,723,825 | 4,636,319 | 2.7489 | 4.6790 | 1.7021 |
| Ocean marine, Class 1 | 1,973,770 | 18,340 | 4,159 | 0.9292 | 0.2107 | 0.2268 |
| Term fire, Class 4 | 254,990 | 9,746 | 19,284 | 3.8221 | 7.5626 | 1.9787 |

a Deposit premiums, including interest premiums.

TABLE I.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION BUSINESS—Continued.

| STATES AND TERRITORIES AND CLASSES. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|-------------------------------------|----------------------------|--|----------------------|--|---|--|
| West Virginia..... | \$209,588,637 | \$2,387,160 | \$1,340,291 | \$1.1390 | \$0.6395 | \$0.5015 |
| Term fire, Class 1..... | 204,007,508 | 2,350,227 | 1,324,001 | 1.1520 | 0.6494 | 0.5037 |
| Ocean marine, Class 1..... | 779,445 | 4,065 | | 0.5215 | | |
| Inland, Class 1..... | 663,519 | 6,793 | 8,068 | 1.0238 | 1.2159 | 1.1877 |
| Term fire, Class 3..... | 66,500 | 1,185 | | 1.7820 | | |
| Term fire, Class 4..... | 1,503,169 | 11,482 | 2,316 | 0.7639 | 0.1541 | 0.2017 |
| Term fire, Class 5..... | 2,568,496 | 13,408 | 5,006 | 0.5220 | 0.1949 | 0.2734 |
| Wisconsin..... | 2,132,712,868 | 27,617,686 | 17,200,379 | 1.2950 | 0.8107 | 0.6261 |
| Term fire, Class 1..... | 1,761,719,724 | 24,008,780 | 15,025,004 | 1.3679 | 0.8529 | 0.6295 |
| Ocean marine, Class 1..... | 14,463,705 | 55,704 | 19,860 | 0.3851 | 0.1373 | 0.3565 |
| Inland, Class 1..... | 44,192,455 | 235,343 | 162,473 | 0.5325 | 0.3676 | 0.6904 |
| Tornado, Class 1..... | 3,827,772 | 44,157 | 16,381 | 1.1536 | 0.4280 | 0.3710 |
| Term fire, Class 3..... | 21,345,221 | 813,326 | 475,742 | 3.8103 | 2.2388 | 0.5849 |
| Inland, Class 3a..... | 726,343 | 3,875 | 9,115 | 0.5335 | 1.2549 | 2.3523 |
| Term fire, Class 4..... | 25,575,370 | 704,519 | 421,344 | 2.7547 | 1.6475 | 0.5981 |
| Term fire, Class 5..... | 290,862,278 | 1,661,982 | 1,159,860 | 0.6371 | 0.4446 | 0.6970 |
| Wyoming..... | 44,577,050 | 765,410 | 290,674 | 1.7170 | 0.5848 | 0.3406 |
| Term fire, Class 1..... | 44,577,050 | 765,410 | 290,674 | 1.7170 | 0.5848 | 0.3406 |

TERM AND PERPETUAL FIRE BUSINESS, BY YEARS.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|------------------------------------|---------------------|----------------------------|--|----------------------|--|---|--|
| Grand total..... | | \$98,972,444,013 | \$987,866,579 | \$541,882,346 | \$0.9981 | \$0.5475 | \$0.5485 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 98,817,650,613 | 984,326,830 | 540,485,714 | 0.9961 | 0.5470 | 0.5491 |
| Total perpetual fire business..... | 1, 4, 5 | 154,784,400 | 3,539,749 | 1,396,632 | 2.2869 | 0.9023 | 0.3946 |
| 1880—Total fire business..... | 1, 2, 3, 4, 5 | 7,833,100,641 | 69,145,406 | 35,329,779 | 0.8827 | 0.4510 | 0.5109 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 7,823,066,916 | 68,922,470 | 35,208,742 | 0.8810 | 0.4501 | 0.5108 |
| | 1 | 7,148,605,317 | 62,447,950 | 31,944,741 | 0.8736 | 0.4469 | 0.5115 |
| | 2 | 2,237,121 | 16,705 | 7,107 | 0.7467 | 0.3177 | 0.4254 |
| | 3 | 193,009,643 | 1,792,218 | 588,263 | 0.9286 | 0.3048 | 0.3282 |
| | 4 | 275,049,426 | 2,812,035 | 1,463,271 | 1.0224 | 0.5320 | 0.5204 |
| | 5 | 204,165,409 | 1,853,562 | 1,205,360 | 0.9079 | 0.5904 | 0.6503 |
| Total perpetual fire business..... | 1, 4, 5 | 10,633,725 | 222,938 | 121,037 | 2.2219 | 1.2063 | 0.5429 |
| | 1 | 6,024,044 | 140,333 | 39,263 | 2.3295 | 1.4818 | 0.6361 |
| | 4 | 1,422,971 | 14,603 | 3,526 | 1.0326 | 0.2478 | 0.2400 |
| | 5 | 2,586,710 | 67,910 | 28,248 | 2.6253 | 1.0920 | 0.4160 |
| 1881—Total fire business..... | 1, 2, 3, 4, 5 | 8,542,426,059 | 77,483,071 | 40,762,745 | 0.9070 | 0.4772 | 0.5261 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 8,532,531,104 | 77,238,373 | 40,617,125 | 0.9052 | 0.4760 | 0.5259 |
| | 1 | 7,816,109,980 | 70,133,980 | 37,170,237 | 0.8973 | 0.4756 | 0.5300 |
| | 2 | 2,329,954 | 16,706 | 2,280 | 0.7170 | 0.0979 | 0.1365 |
| | 3 | 223,021,412 | 2,152,857 | 686,914 | 0.9653 | 0.3080 | 0.3191 |
| | 4 | 281,582,423 | 2,987,562 | 1,495,374 | 1.0610 | 0.5311 | 0.5905 |
| | 5 | 209,487,326 | 1,947,268 | 1,262,320 | 0.9295 | 0.6026 | 0.6483 |

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

TERM AND PERPETUAL FIRE BUSINESS, BY YEARS—Continued.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|------------------------------------|---------------------|----------------------------|--|----------------------|--|---|--|
| 1881—Continued. | | | | | | | |
| Total perpetual fire business..... | 1, 4, 5 | \$9,894,955 | \$244,698 | \$145,020 | \$2.4730 | \$1.4717 | \$0.5951 |
| | 1 | 6,053,045 | 157,501 | 70,386 | 2.6020 | 1.2619 | 0.4850 |
| | 4 | 1,345,425 | 16,848 | 9,693 | 1.2522 | 0.7204 | 0.5753 |
| | 5 | 2,496,485 | 70,349 | 59,541 | 2.8179 | 2.3850 | 0.8464 |
| 1882—Total fire business..... | 1, 2, 3, 4, 5 | 9,051,318,935 | 85,679,280 | 46,417,043 | 0.9466 | 0.5128 | 0.5418 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 9,040,253,612 | 85,408,242 | 46,273,972 | 0.9448 | 0.5119 | 0.5418 |
| | 1 | 8,273,601,222 | 77,909,651 | 43,040,839 | 0.9417 | 0.5202 | 0.5524 |
| | 2 | 2,967,655 | 18,885 | 3,736 | 0.6364 | 0.1259 | 0.1978 |
| | 3 | 244,818,760 | 2,383,100 | 631,890 | 0.9734 | 0.2581 | 0.2652 |
| | 4 | 296,690,368 | 3,179,756 | 1,443,936 | 1.0717 | 0.4867 | 0.4541 |
| | 5 | 222,175,607 | 1,916,850 | 1,154,071 | 0.8628 | 0.5194 | 0.6021 |
| Total perpetual fire business..... | 1, 4, 5 | 11,065,323 | 271,038 | 143,071 | 2.4494 | 1.2930 | 0.5279 |
| | 1 | 6,883,041 | 180,238 | 66,561 | 2.6186 | 0.9670 | 0.3693 |
| | 4 | 1,464,891 | 21,847 | 13,589 | 1.4914 | 0.9276 | 0.6229 |
| | 5 | 2,717,391 | 68,953 | 62,921 | 2.5375 | 2.3155 | 0.9125 |
| 1883—Total fire business..... | 1, 2, 3, 4, 5 | 9,788,506,558 | 97,112,968 | 52,285,062 | 0.9921 | 0.5342 | 0.5384 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 9,774,214,785 | 96,769,949 | 52,175,837 | 0.9901 | 0.5338 | 0.5392 |
| | 1 | 8,923,891,369 | 88,539,221 | 47,099,784 | 0.9922 | 0.5379 | 0.5421 |
| | 2 | 8,849,401 | 55,743 | 10,475 | 0.6299 | 0.1184 | 0.1879 |
| | 3 | 275,268,791 | 2,741,555 | 668,068 | 0.9900 | 0.3589 | 0.3604 |
| | 4 | 318,536,978 | 3,376,632 | 1,855,971 | 1.0600 | 0.5827 | 0.5497 |
| | 5 | 247,668,246 | 2,056,798 | 1,321,539 | 0.8305 | 0.5336 | 0.6425 |
| Total perpetual fire business..... | 1, 4, 5 | 14,291,773 | 343,019 | 110,125 | 2.4001 | 0.7705 | 0.3210 |
| | 1 | 9,494,813 | 231,148 | 66,878 | 2.4345 | 0.7044 | 0.2893 |
| | 4 | 1,628,898 | 32,093 | 18,285 | 2.0071 | 1.1226 | 0.5593 |
| | 5 | 3,168,122 | 79,178 | 24,962 | 2.4992 | 0.7879 | 0.3153 |
| 1884—Total fire business..... | 1, 2, 3, 4, 5 | 9,665,401,993 | 100,245,160 | 58,196,313 | 1.0372 | 0.6021 | 0.5805 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 9,650,733,996 | 99,899,427 | 58,073,132 | 1.0351 | 0.6017 | 0.5813 |
| | 1 | 8,779,379,764 | 91,077,806 | 53,404,417 | 1.0374 | 0.6083 | 0.5804 |
| | 2 | 3,052,187 | 24,901 | 2,145 | 0.8158 | 0.0703 | 0.0861 |
| | 3 | 303,681,652 | 2,971,577 | 1,280,301 | 0.9785 | 0.4216 | 0.4308 |
| | 4 | 331,526,730 | 3,659,434 | 1,909,922 | 1.1038 | 0.5761 | 0.5219 |
| | 5 | 233,093,663 | 2,165,709 | 1,476,347 | 0.9291 | 0.6334 | 0.6817 |
| Total perpetual fire business..... | 1, 4, 5 | 14,667,907 | 345,733 | 123,181 | 2.3571 | 0.8398 | 0.3593 |
| | 1 | 9,636,225 | 234,694 | 59,620 | 2.4355 | 0.6187 | 0.2540 |
| | 4 | 1,581,711 | 28,878 | 15,289 | 1.8257 | 0.9666 | 0.5294 |
| | 5 | 3,449,971 | 82,161 | 48,272 | 2.3615 | 1.3992 | 0.5875 |
| 1885—Total fire business..... | 1, 2, 3, 4, 5 | 9,750,710,316 | 102,257,971 | 55,366,214 | 1.0487 | 0.5678 | 0.5414 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 9,735,139,679 | 101,897,947 | 55,234,069 | 1.0467 | 0.5674 | 0.5421 |
| | 1 | 8,789,016,756 | 92,242,473 | 50,751,262 | 1.0495 | 0.5774 | 0.5502 |
| | 2 | 3,351,818 | 26,318 | 8,134 | 0.7852 | 0.2427 | 0.3091 |
| | 3 | 322,740,162 | 2,215,053 | 763,870 | 0.9962 | 0.2367 | 0.2376 |
| | 4 | 370,893,372 | 4,068,805 | 2,119,357 | 1.0973 | 0.5716 | 0.5209 |
| | 5 | 249,197,571 | 2,345,298 | 1,591,446 | 0.9411 | 0.6886 | 0.6786 |
| Total perpetual fire business..... | 1, 4, 5 | 15,570,637 | 360,024 | 132,145 | 2.3122 | 0.8487 | 0.3670 |
| | 1 | 10,872,931 | 253,796 | 62,493 | 2.3342 | 0.5748 | 0.2462 |
| | 4 | 1,590,406 | 26,188 | 11,883 | 1.6466 | 0.7157 | 0.4347 |
| | 5 | 3,107,300 | 80,040 | 58,269 | 2.5759 | 1.8752 | 0.7280 |

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

TERM AND PERPETUAL FIRE BUSINESS, BY YEARS—Continued.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|------------------------------------|---------------------|----------------------------|--|----------------------|--|---|--|
| 1886—Total fire business | 1, 2, 3, 4, 5 | \$10,941,983,095 | \$107,058,258 | \$55,529,333 | \$1.0352 | \$0.5369 | \$0.5187 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 10,324,910,737 | 106,661,540 | 55,361,019 | 1.0331 | 0.5362 | 0.5190 |
| | 1 | 9,286,416,717 | 95,525,141 | 49,956,778 | 1.0287 | 0.5380 | 0.5230 |
| | 2 | 3,380,888 | 28,514 | 8,081 | 0.8434 | 0.2390 | 0.2834 |
| | 3 | 350,193,463 | 3,547,883 | 1,277,113 | 1.0131 | 0.3617 | 0.3600 |
| | 4 | 426,049,055 | 5,114,066 | 2,490,704 | 1.2003 | 0.5816 | 0.4870 |
| | 5 | 258,865,614 | 2,445,936 | 1,628,343 | 0.9449 | 0.6200 | 0.6657 |
| Total perpetual fire business..... | 1, 4, 5 | 17,072,958 | 396,718 | 168,314 | 2.3237 | 0.9859 | 0.4243 |
| | 1 | 12,395,630 | 292,997 | 63,769 | 2.3637 | 0.5139 | 0.2174 |
| | 4 | 1,437,054 | 28,090 | 25,425 | 1.9530 | 1.7692 | 0.9059 |
| | 5 | 3,240,268 | 75,655 | 79,180 | 2.3348 | 2.4438 | 1.0407 |
| 1887—Total fire business | 1, 2, 3, 4, 5 | 10,884,778,389 | 111,320,463 | 63,790,181 | 1.0227 | 0.5860 | 0.5730 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 10,806,275,079 | 110,906,569 | 63,693,566 | 1.0206 | 0.5862 | 0.5743 |
| | 1 | 9,742,426,004 | 99,086,309 | 57,931,539 | 1.0171 | 0.5946 | 0.5847 |
| | 2 | 4,045,805 | 30,156 | 5,534 | 0.7454 | 0.1368 | 0.1835 |
| | 3 | 379,876,646 | 3,950,445 | 962,422 | 1.0390 | 0.2534 | 0.2436 |
| | 4 | 455,569,470 | 5,202,762 | 3,006,322 | 1.1420 | 0.6590 | 0.5778 |
| | 5 | 284,369,664 | 2,636,897 | 1,787,689 | 0.9273 | 0.6287 | 0.6780 |
| Total perpetual fire business..... | 1, 4, 5 | 18,502,710 | 413,804 | 96,675 | 2.2360 | 0.5225 | 0.2336 |
| | 1 | 14,038,554 | 309,369 | 48,301 | 2.2037 | 0.3441 | 0.1561 |
| | 4 | 1,495,675 | 35,890 | 11,113 | 2.3996 | 0.7430 | 0.3096 |
| | 5 | 2,968,481 | 68,635 | 37,261 | 2.3121 | 1.2552 | 0.5429 |
| 1888—Total fire business | 1, 2, 3, 4, 5 | 11,390,642,367 | 116,564,011 | 62,885,805 | 1.0233 | 0.5521 | 0.5395 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 11,368,849,154 | 116,117,040 | 62,691,354 | 1.0214 | 0.5514 | 0.5399 |
| | 1 | 10,157,178,626 | 103,304,577 | 56,891,088 | 1.0171 | 0.5601 | 0.5507 |
| | 2 | 10,732,200 | 85,615 | 17,259 | 0.7977 | 0.1608 | 0.2016 |
| | 3 | 419,061,610 | 4,477,667 | 1,143,990 | 1.0664 | 0.2724 | 0.2555 |
| | 4 | 494,726,784 | 5,596,202 | 2,916,075 | 1.1312 | 0.5804 | 0.5211 |
| | 5 | 286,312,934 | 2,652,979 | 1,722,942 | 0.9206 | 0.6018 | 0.6494 |
| Total perpetual fire business..... | 1, 4, 5 | 21,793,213 | 446,971 | 194,511 | 2.0510 | 0.8925 | 0.4352 |
| | 1 | 17,471,934 | 366,266 | 122,823 | 2.0620 | 0.7030 | 0.3409 |
| | 4 | 1,491,800 | 20,556 | 7,157 | 1.3779 | 0.4798 | 0.3482 |
| | 5 | 2,829,479 | 66,149 | 64,531 | 2.3379 | 2.2807 | 0.9755 |
| 1889—Total fire business | 1, 2, 3, 4, 5 | 11,723,575,150 | 120,999,091 | 71,318,911 | 1.0321 | 0.6083 | 0.5894 |
| Total term fire business..... | 1, 2, 3, 4, 5 | 11,701,683,951 | 120,505,273 | 71,156,958 | 1.0298 | 0.6081 | 0.5905 |
| | 1 | 10,386,300,808 | 106,652,511 | 64,247,147 | 1.0269 | 0.6166 | 0.6024 |
| | 2 | 9,037,525 | 146,964 | 44,678 | 1.0262 | 0.4944 | 0.3040 |
| | 3 | 468,451,522 | 4,958,069 | 1,612,875 | 1.0584 | 0.5448 | 0.3253 |
| | 4 | 531,029,175 | 6,023,610 | 3,403,768 | 1.1343 | 0.6410 | 0.5651 |
| | 5 | 306,867,921 | 2,724,125 | 1,848,490 | 0.8877 | 0.6024 | 0.6786 |
| Total perpetual fire business..... | 1, 4, 5 | 21,891,199 | 494,718 | 161,953 | 2.2599 | 0.7398 | 0.3274 |
| | 1 | 15,489,742 | 347,957 | 96,127 | 2.2464 | 0.6206 | 0.2763 |
| | 4 | 1,664,993 | 23,653 | 5,089 | 1.4206 | 0.3597 | 0.2532 |
| | 5 | 4,736,464 | 123,108 | 59,837 | 2.5692 | 1.2633 | 0.4861 |

TABLE I.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

OCEAN MARINE BUSINESS, BY YEARS.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|--|---------------------|----------------------------|--|----------------------|--|---|--|
| Total ocean marine business | 1, 2, 3a | \$16,221,608,016 | \$144,112,397 | \$90,574,682 | \$0.8884 | \$0.5584 | \$0.6285 |
| 1880—Total ocean marine business | 1, 2, 3a | 1,630,556,246 | 15,879,253 | 9,964,529 | 0.9739 | 0.6111 | 0.6275 |
| | 1 | 966,402,593 | 9,359,906 | 5,709,692 | 0.9685 | 0.6001 | 0.6196 |
| | 2 | 3,289,750 | 131,058 | 104,443 | 3.9838 | 3.1748 | 0.7969 |
| | 3a | 660,863,903 | 6,388,289 | 4,060,394 | 0.9667 | 0.6144 | 0.6356 |
| 1881—Total ocean marine business | 1, 2, 3a | 1,492,524,697 | 14,335,155 | 8,957,871 | 0.9605 | 0.6002 | 0.6249 |
| | 1 | 972,014,944 | 9,022,055 | 6,183,769 | 0.9582 | 0.6362 | 0.6854 |
| | 2 | 4,986,456 | 105,199 | 130,972 | 2.1697 | 2.6266 | 1.2450 |
| | 3a | 515,523,297 | 5,207,901 | 2,643,130 | 1.0102 | 0.5127 | 0.5075 |
| 1882—Total ocean marine business | 1, 2, 3a | 1,573,367,236 | 15,072,284 | 8,816,491 | 0.9580 | 0.5604 | 0.5840 |
| | 1 | 1,039,028,187 | 9,318,360 | 5,867,537 | 0.8968 | 0.5647 | 0.6297 |
| | 2 | 4,060,824 | 86,771 | 56,418 | 2.1368 | 1.3893 | 0.6592 |
| | 3a | 530,278,225 | 5,667,153 | 2,892,536 | 1.0687 | 0.5455 | 0.5104 |
| 1883—Total ocean marine business | 1, 2, 3a | 1,636,021,189 | 15,600,997 | 9,147,605 | 0.9536 | 0.5591 | 0.5863 |
| | 1 | 1,090,299,809 | 9,704,399 | 6,082,256 | 0.8901 | 0.5579 | 0.6268 |
| | 2 | 4,858,299 | 103,301 | 82,358 | 2.1263 | 1.6952 | 0.7973 |
| | 3a | 540,863,081 | 5,793,297 | 2,982,991 | 1.0711 | 0.5515 | 0.5149 |
| 1884—Total ocean marine business | 1, 2, 3a | 1,532,920,033 | 15,026,994 | 8,568,703 | 0.9803 | 0.5590 | 0.5702 |
| | 1 | 992,728,137 | 9,152,187 | 5,399,066 | 0.9219 | 0.5439 | 0.5900 |
| | 2 | 4,033,908 | 106,482 | 92,108 | 2.2978 | 1.9877 | 0.8650 |
| | 3a | 535,557,898 | 5,768,325 | 3,076,529 | 1.0771 | 0.5745 | 0.5334 |
| 1885—Total ocean marine business | 1, 2, 3a | 1,409,253,956 | 13,782,559 | 8,650,187 | 0.9193 | 0.5770 | 0.6270 |
| | 1 | 975,626,775 | 8,409,544 | 5,744,030 | 0.8620 | 0.5888 | 0.6831 |
| | 2 | 3,404,183 | 104,655 | 73,330 | 3.0743 | 2.1541 | 0.7007 |
| | 3a | 520,222,998 | 5,268,360 | 2,832,227 | 1.0127 | 0.5444 | 0.5376 |
| 1886—Total ocean marine business | 1, 2, 3a | 1,614,300,261 | 13,551,859 | 9,942,205 | 0.8395 | 0.6159 | 0.7336 |
| | 1 | 1,049,188,028 | 8,294,288 | 6,382,816 | 0.7905 | 0.6084 | 0.7095 |
| | 2 | 4,079,026 | 111,645 | 81,168 | 2.7371 | 1.9899 | 0.7270 |
| | 3a | 560,933,207 | 5,145,926 | 3,478,221 | 0.9174 | 0.6201 | 0.6759 |
| 1887—Total ocean marine business | 1, 2, 3a | 1,563,487,129 | 13,117,772 | 8,132,433 | 0.8232 | 0.5104 | 0.6200 |
| | 1 | 1,037,840,083 | 7,900,056 | 5,474,020 | 0.7612 | 0.5275 | 0.6030 |
| | 2 | 5,872,713 | 138,584 | 105,610 | 2.3598 | 1.7983 | 0.7621 |
| | 3a | 549,774,333 | 5,079,132 | 2,552,203 | 0.9239 | 0.4642 | 0.5025 |
| 1888—Total ocean marine business | 1, 2, 3a | 1,685,935,817 | 13,495,534 | 8,545,711 | 0.8005 | 0.5069 | 0.6332 |
| | 1 | 1,024,104,231 | 7,692,340 | 5,242,110 | 0.7519 | 0.5124 | 0.6815 |
| | 2 | 5,772,981 | 145,378 | 121,749 | 2.5182 | 2.1089 | 0.8375 |
| | 3a | 657,058,605 | 5,657,816 | 3,181,852 | 0.8611 | 0.4843 | 0.5624 |
| 1889—Total ocean marine business | 1, 2, 3a | 1,963,341,452 | 14,249,990 | 9,848,947 | 0.7258 | 0.5016 | 0.6012 |
| | 1 | 1,260,770,434 | 8,283,525 | 5,027,515 | 0.6570 | 0.4464 | 0.6794 |
| | 2 | 6,426,531 | 141,432 | 130,077 | 2.2068 | 2.0334 | 0.9240 |
| | 3a | 696,144,487 | 5,825,033 | 4,690,755 | 0.8368 | 0.5876 | 0.7023 |

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

INLAND NAVIGATION AND TRANSPORTATION BUSINESS, BY YEARS.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|---|---------------------|----------------------------|--|----------------------|--|---|--|
| Total inland navigation and transportation business. | 1, 3a | \$4,719,717,049 | \$22,106,419 | \$14,470,756 | \$0.4684 | \$0.3066 | \$0.6546 |
| 1880—Total inland navigation and transportation business. | 1, 3a | 488,514,675 | 2,967,657 | 1,917,400 | 0.6075 | 0.3925 | 0.6461 |
| | 1 | 413,972,742 | 2,581,692 | 1,715,101 | 0.6236 | 0.4143 | 0.6643 |
| | 3a | 74,541,933 | 385,965 | 202,299 | 0.5178 | 0.2714 | 0.5241 |
| 1881—Total inland navigation and transportation business. | 1, 3a | 529,724,391 | 3,015,883 | 2,170,709 | 0.5693 | 0.4115 | 0.7227 |
| | 1 | 483,927,545 | 2,762,361 | 1,933,672 | 0.5708 | 0.3996 | 0.7090 |
| | 3a | 45,796,846 | 253,522 | 246,037 | 0.5536 | 0.5372 | 0.9765 |
| 1882—Total inland navigation and transportation business. | 1, 3a | 529,679,530 | 2,708,693 | 1,298,285 | 0.5114 | 0.2451 | 0.4793 |
| | 1 | 522,545,047 | 2,646,961 | 1,251,409 | 0.5066 | 0.2305 | 0.4728 |
| | 3a | 7,134,483 | 61,732 | 46,876 | 0.8653 | 0.6570 | 0.7593 |
| 1883—Total inland navigation and transportation business. | 1, 3a | 566,678,728 | 2,553,293 | 1,774,017 | 0.4566 | 0.3191 | 0.6948 |
| | 1 | 561,600,411 | 2,511,087 | 1,734,377 | 0.4471 | 0.3088 | 0.6907 |
| | 3a | 5,078,317 | 42,206 | 39,640 | 0.8209 | 0.7806 | 0.9465 |
| 1884—Total inland navigation and transportation business. | 1, 3a | 426,580,477 | 2,095,330 | 1,554,773 | 0.4912 | 0.3645 | 0.7420 |
| | 1 | 417,747,984 | 2,051,490 | 1,514,547 | 0.4911 | 0.3626 | 0.7383 |
| | 3a | 8,832,493 | 43,840 | 40,226 | 0.4963 | 0.4554 | 0.9176 |
| 1885—Total inland navigation and transportation business. | 1, 3a | 414,111,807 | 1,729,121 | 1,163,000 | 0.4175 | 0.2808 | 0.6726 |
| | 1 | 398,447,188 | 1,693,713 | 1,135,803 | 0.4251 | 0.2851 | 0.6706 |
| | 3a | 15,664,619 | 35,408 | 27,197 | 0.2260 | 0.1736 | 0.7681 |
| 1886—Total inland navigation and transportation business. | 1, 3a | 458,418,701 | 1,716,345 | 1,044,432 | 0.3744 | 0.2278 | 0.6085 |
| | 1 | 435,998,165 | 1,668,692 | 1,021,613 | 0.3828 | 0.2344 | 0.6123 |
| | 3a | 22,420,536 | 47,653 | 22,819 | 0.2112 | 0.1604 | 0.4756 |
| 1887—Total inland navigation and transportation business. | 1 | 437,189,847 | 1,621,810 | 1,270,468 | 0.3710 | 0.2306 | 0.7834 |
| 1888—Total inland navigation and transportation business. | 1 | 439,117,776 | 1,890,902 | 1,181,209 | 0.4306 | 0.2690 | 0.6247 |
| 1889—Total inland navigation and transportation business. | 1, 3a | 429,701,117 | 1,807,385 | 1,087,373 | 0.4206 | 0.2531 | 0.6016 |
| | 1 | 425,775,262 | 1,764,835 | 1,076,758 | 0.4145 | 0.2629 | 0.6101 |
| | 3a | 3,925,855 | 42,550 | 10,615 | 1.0838 | 0.2704 | 0.2465 |

COMPENDIUM OF THE ELEVENTH CENSUS: 1890.

TABLE I.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

TORNADO BUSINESS, BY YEARS.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|----------------------------------|---------------------|----------------------------|--|----------------------|--|---|--|
| Total tornado business..... | 1, 5 | \$153, 460, 748 | \$2, 365, 117 | \$735, 313 | \$1. 5411 | \$0. 4701 | \$0. 3109 |
| 1880—Total tornado business..... | 1 | 3, 928, 200 | 74, 702 | 24, 703 | 1. 9017 | 0. 6289 | 0. 3307 |
| 1881—Total tornado business..... | 1 | 5, 642, 254 | 105, 192 | 31, 554 | 1. 8644 | 0. 5502 | 0. 3000 |
| 1882—Total tornado business..... | 1 | 10, 665, 811 | 191, 618 | 52, 122 | 1. 7066 | 0. 4887 | 0. 2720 |
| 1883—Total tornado business..... | 1 | 14, 629, 036 | 240, 611 | 66, 325 | 1. 6447 | 0. 4534 | 0. 2757 |
| 1884—Total tornado business..... | 1, 5 | 17, 806, 024 | 319, 753 | 83, 618 | 1. 7958 | 0. 4096 | 0. 2015 |
| | 1 | 17, 137, 739 | 319, 085 | 83, 618 | 1. 8619 | 0. 4870 | 0. 2621 |
| | 5 | 668, 285 | 668 | | 0. 1000 | | |
| 1885—Total tornado business..... | 1, 5 | 18, 416, 581 | 303, 762 | 87, 051 | 1. 6494 | 0. 4776 | 0. 2895 |
| | 1 | 17, 686, 844 | 303, 033 | 87, 830 | 1. 7133 | 0. 4966 | 0. 2898 |
| | 5 | 729, 737 | 729 | 121 | 0. 0999 | 0. 0166 | 0. 1000 |
| 1886—Total tornado business..... | 1, 5 | 21, 390, 669 | 306, 213 | 95, 871 | 1. 4315 | 0. 4482 | 0. 3131 |
| | 1 | 19, 590, 032 | 303, 839 | 95, 584 | 1. 5510 | 0. 4879 | 0. 3146 |
| | 5 | 1, 800, 637 | 2, 374 | 287 | 0. 1318 | 0. 0159 | 0. 1209 |
| 1887—Total tornado business..... | 1, 5 | 19, 469, 476 | 278, 768 | 111, 541 | 1. 4318 | 0. 5729 | 0. 4001 |
| | 1 | 18, 181, 064 | 276, 433 | 110, 875 | 1. 5204 | 0. 6008 | 0. 4011 |
| | 5 | 1, 288, 412 | 2, 335 | 666 | 0. 1812 | 0. 0517 | 0. 2852 |
| 1888—Total tornado business..... | 1, 5 | 20, 223, 327 | 266, 884 | 90, 866 | 1. 3197 | 0. 4493 | 0. 3405 |
| | 1 | 17, 866, 642 | 261, 820 | 89, 070 | 1. 4654 | 0. 4985 | 0. 3402 |
| | 5 | 2, 356, 685 | 5, 064 | 1, 796 | 0. 2149 | 0. 0762 | 0. 3547 |
| 1889—Total tornado business..... | 1, 5 | 21, 295, 370 | 277, 614 | 90, 762 | 1. 3036 | 0. 4262 | 0. 3269 |
| | 1 | 18, 301, 595 | 274, 475 | 90, 178 | 1. 4997 | 0. 4027 | 0. 3285 |
| | 5 | 2, 993, 775 | 3, 139 | 584 | 0. 1049 | 0. 0495 | 0. 1860 |

INSURANCE.

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TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANSACTED, BY CLASSES.

| YEARS AND KINDS OF BUSINESS. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|--|----------------------------|--|----------------------|--|---|--|
| Grand total..... | \$120,067,235,826 | \$1,150,450,512 | \$647,663,097 | \$0.9632 | \$0.5304 | \$0.5600 |
| 1880—Total..... | 9,956,099,762 | 88,067,018 | 47,236,411 | 0.8846 | 0.4744 | 0.5304 |
| Class 1—Total..... | 8,538,032,806 | 74,604,583 | 39,573,500 | 0.8737 | 0.4634 | 0.5304 |
| Term fire business..... | 7,148,605,317 | 62,447,950 | 31,944,741 | 0.8736 | 0.4469 | 0.5115 |
| Perpetual fire business..... | 6,024,044 | 140,333 | 89,263 | 2.3295 | 1.4818 | 0.6361 |
| Ocean marine business..... | 966,402,593 | 9,359,906 | 5,799,692 | 0.9685 | 0.6001 | 0.6196 |
| Inland navigation and transportation business..... | 413,972,742 | 2,581,692 | 1,715,101 | 0.6236 | 0.4143 | 0.6643 |
| Tornado business..... | 3,028,200 | 74,702 | 24,763 | 1.9017 | 0.6289 | 0.3307 |
| Class 2—Total..... | 5,526,871 | 147,763 | 111,550 | 2.6735 | 2.0183 | 0.7540 |
| Term fire business..... | 2,237,121 | 16,765 | 7,107 | 0.7467 | 0.3177 | 0.4254 |
| Ocean marine business..... | 3,289,750 | 131,058 | 104,443 | 3.9838 | 3.1748 | 0.7900 |
| Class 3—Total—Term fire business..... | 193,009,643 | 1,792,218 | 588,263 | 0.9236 | 0.3048 | 0.3282 |
| Class 3a—Total..... | 735,405,830 | 6,774,254 | 4,262,693 | 0.9212 | 0.5796 | 0.6292 |
| Ocean marine business..... | 660,863,903 | 6,388,289 | 4,066,394 | 0.9667 | 0.6144 | 0.6356 |
| Inland navigation and transportation business..... | 74,541,933 | 385,965 | 202,299 | 0.5178 | 0.2714 | 0.5241 |
| Class 4—Total..... | 276,472,397 | 2,826,728 | 1,466,797 | 1.0224 | 0.5305 | 0.5189 |
| Term fire business..... | 275,049,426 | 2,812,035 | 1,463,271 | 1.0224 | 0.5320 | 0.5204 |
| Perpetual fire business..... | 1,422,971 | 14,693 | 3,526 | 1.0326 | 0.2478 | 0.2400 |
| Class 5—Total..... | 206,752,119 | 1,921,472 | 1,233,608 | 0.9294 | 0.5967 | 0.6420 |
| Term fire business..... | 204,165,409 | 1,853,562 | 1,205,360 | 0.9079 | 0.5904 | 0.6503 |
| Perpetual fire business..... | 2,586,710 | 67,910 | 28,248 | 2.6253 | 1.0920 | 0.4160 |
| 1881—Total..... | 10,570,317,401 | 94,930,301 | 51,931,879 | 0.8982 | 0.4913 | 0.5470 |
| Class 1—Total..... | 9,283,747,777 | 82,181,089 | 45,395,618 | 0.8852 | 0.4890 | 0.5524 |
| Term fire business..... | 7,816,109,989 | 70,133,980 | 37,170,237 | 0.8973 | 0.4766 | 0.5300 |
| Perpetual fire business..... | 6,053,045 | 157,501 | 76,380 | 2.6020 | 1.2619 | 0.4850 |
| Ocean marine business..... | 972,014,944 | 9,022,055 | 6,183,769 | 0.9282 | 0.6362 | 0.6854 |
| Inland navigation and transportation business..... | 483,927,545 | 2,762,361 | 1,933,672 | 0.5708 | 0.3696 | 0.7000 |
| Tornado business..... | 5,642,254 | 105,192 | 31,554 | 1.8644 | 0.5592 | 0.3000 |
| Class 2—Total..... | 7,316,410 | 121,905 | 133,252 | 1.6662 | 1.8213 | 1.0931 |
| Term fire business..... | 2,329,954 | 16,766 | 2,230 | 0.7170 | 0.0979 | 0.1365 |
| Ocean marine business..... | 4,986,456 | 105,139 | 130,972 | 2.1097 | 2.6266 | 1.2450 |
| Class 3—Total—Term fire business..... | 223,021,412 | 2,152,857 | 636,914 | 0.9653 | 0.3080 | 0.3161 |
| Class 3a—Total..... | 561,320,143 | 5,461,423 | 2,889,107 | 0.9730 | 0.5147 | 0.5200 |
| Ocean marine business..... | 515,523,297 | 5,207,901 | 2,643,130 | 1.0102 | 0.5127 | 0.5075 |
| Inland navigation and transportation business..... | 45,796,846 | 253,522 | 246,037 | 0.5536 | 0.5372 | 0.9705 |
| Class 4—Total..... | 282,927,843 | 3,004,410 | 1,505,067 | 1.0619 | 0.5320 | 0.5010 |
| Term fire business..... | 281,582,423 | 2,987,562 | 1,485,374 | 1.0616 | 0.5311 | 0.5005 |
| Perpetual fire business..... | 1,345,420 | 16,848 | 9,693 | 1.2522 | 0.7204 | 0.5753 |

TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANSACTED, BY CLASSES—Continued.

| YEARS AND KINDS OF BUSINESS. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|--|----------------------------|--|----------------------|--|---|--|
| 1881—Continued. | | | | | | |
| Class 5—Total..... | \$211,983,811 | \$2,017,617 | \$1,321,861 | \$0.9518 | \$0.0236 | \$0.6552 |
| Term fire business..... | 209,487,326 | 1,947,268 | 1,262,320 | 0.9295 | 0.0026 | 0.6483 |
| Perpetual fire business..... | 2,496,485 | 70,349 | 59,541 | 2.8179 | 2.3850 | 0.8464 |
| 1882—Total..... | 11,165,031,512 | 103,651,875 | 56,583,941 | 0.9284 | 0.5008 | 0.5450 |
| Class 1—Total..... | 9,852,723,308 | 90,246,828 | 50,277,968 | 0.9160 | 0.5103 | 0.5571 |
| Term fire business..... | 8,273,601,222 | 77,909,651 | 43,040,339 | 0.9417 | 0.5202 | 0.5524 |
| Perpetual fire business..... | 6,883,041 | 180,238 | 66,561 | 2.6186 | 0.9670 | 0.3693 |
| Ocean marine business..... | 1,039,028,187 | 9,318,360 | 5,867,537 | 0.8968 | 0.5647 | 0.6297 |
| Inland navigation and transportation business..... | 522,545,047 | 2,646,961 | 1,251,409 | 0.5066 | 0.2395 | 0.4728 |
| Tornado business..... | 10,665,811 | 191,618 | 52,122 | 1.7966 | 0.4887 | 0.2720 |
| Class 2—Total..... | 7,028,479 | 105,656 | 60,154 | 1.5033 | 0.8559 | 0.5693 |
| Term fire business..... | 2,967,655 | 18,885 | 3,736 | 0.6364 | 0.1259 | 0.1978 |
| Ocean marine business..... | 4,060,824 | 86,771 | 56,418 | 2.1368 | 1.3893 | 0.6502 |
| Class 3—Total—Term fire business..... | 244,818,760 | 2,383,100 | 631,890 | 0.9734 | 0.2581 | 0.2652 |
| Class 3a—Total..... | 537,412,708 | 5,728,885 | 2,939,412 | 1.0660 | 0.5470 | 0.5131 |
| Ocean marine business..... | 530,278,225 | 5,667,153 | 2,892,536 | 1.0687 | 0.5455 | 0.5104 |
| Inland navigation and transportation business..... | 7,134,483 | 61,732 | 46,876 | 0.8653 | 0.6570 | 0.7593 |
| Class 4—Total..... | 298,155,259 | 3,201,603 | 1,457,525 | 1.0738 | 0.4888 | 0.4552 |
| Term fire business..... | 296,690,368 | 3,179,756 | 1,443,936 | 1.0717 | 0.4807 | 0.4541 |
| Perpetual fire business..... | 1,464,891 | 21,847 | 13,589 | 1.4914 | 0.9276 | 0.6220 |
| Class 5—Total..... | 224,892,998 | 1,983,803 | 1,216,092 | 0.8830 | 0.5411 | 0.6128 |
| Term fire business..... | 222,175,607 | 1,916,850 | 1,154,071 | 0.8628 | 0.5194 | 0.6021 |
| Perpetual fire business..... | 2,717,391 | 66,953 | 62,021 | 2.5375 | 2.3155 | 0.9125 |
| 1883—Total..... | 12,005,835,511 | 115,507,899 | 63,273,909 | 0.9621 | 0.5270 | 0.5478 |
| Class 1—Total..... | 10,599,915,438 | 101,220,466 | 55,949,620 | 0.9550 | 0.5278 | 0.5527 |
| Term fire business..... | 8,923,891,369 | 88,539,221 | 47,999,784 | 0.9922 | 0.5379 | 0.5421 |
| Perpetual fire business..... | 9,494,813 | 231,148 | 66,878 | 2.4345 | 0.7044 | 0.2893 |
| Ocean marine business..... | 1,090,299,809 | 9,704,399 | 6,082,256 | 0.8901 | 0.5579 | 0.6268 |
| Inland navigation and transportation business..... | 561,600,411 | 2,511,087 | 1,734,377 | 0.4471 | 0.3088 | 0.6907 |
| Tornado business..... | 14,629,036 | 240,611 | 66,325 | 1.6447 | 0.4534 | 0.2757 |
| Class 2—Total..... | 13,707,700 | 159,044 | 92,893 | 1.1603 | 0.6776 | 0.5837 |
| Term fire business..... | 8,849,401 | 55,743 | 10,475 | 0.6299 | 0.1184 | 0.1879 |
| Ocean marine business..... | 4,858,299 | 103,301 | 82,358 | 2.1263 | 1.6952 | 0.7973 |
| Class 3—Total—Term fire business..... | 275,268,791 | 2,741,555 | 988,068 | 0.9960 | 0.3589 | 0.3604 |
| Class 3a—Total..... | 545,941,398 | 5,835,443 | 3,022,631 | 1.0689 | 0.5537 | 0.5180 |
| Ocean marine business..... | 540,863,081 | 5,793,297 | 2,982,001 | 1.0711 | 0.5515 | 0.5149 |
| Inland navigation and transportation business..... | 5,078,317 | 42,146 | 39,640 | 0.8209 | 0.7806 | 0.9405 |

INSURANCE.

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TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANSACTED, BY CLASSES—Continued.

| YEARS AND KINDS OF BUSINESS. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|---|----------------------------|--|----------------------|--|---|--|
| 1883—Continued. | | | | | | |
| Class 4—Total | \$320,165,816 | \$3,409,325 | \$1,874,250 | \$1.0649 | \$0.5854 | \$0.5497 |
| Term fire business | 318,536,978 | 3,376,632 | 1,855,971 | 1.0600 | 0.5827 | 0.5497 |
| Perpetual fire business | 1,628,838 | 32,693 | 18,285 | 2.0071 | 1.1226 | 0.5593 |
| Class 5—Total | 250,886,368 | 2,135,976 | 1,346,501 | 0.8515 | 0.5368 | 0.6304 |
| Term fire business | 247,668,246 | 2,056,798 | 1,321,539 | 0.8305 | 0.5396 | 0.6425 |
| Perpetual fire business | 3,168,122 | 79,178 | 24,962 | 2.4092 | 0.7879 | 0.3153 |
| 1884—Total | 11,042,708,437 | 117,687,237 | 68,403,407 | 1.0108 | 0.5875 | 0.5812 |
| Class 1—Total | 10,216,629,849 | 102,835,262 | 60,461,868 | 1.0065 | 0.5918 | 0.5879 |
| Term fire business | 8,779,379,764 | 91,077,806 | 53,404,417 | 1.0374 | 0.6083 | 0.5864 |
| Perpetual fire business | 9,636,225 | 234,694 | 59,620 | 2.4355 | 0.6187 | 0.2540 |
| Ocean marine business | 992,728,137 | 9,152,187 | 5,399,666 | 0.9219 | 0.5439 | 0.5000 |
| Inland navigation and transportation business | 417,747,984 | 2,051,490 | 1,514,547 | 0.4911 | 0.3626 | 0.7383 |
| Tornado business | 17,137,739 | 319,085 | 83,618 | 1.8619 | 0.4879 | 0.2621 |
| Class 2—Total | 7,686,185 | 131,383 | 94,253 | 1.7093 | 1.2263 | 0.7174 |
| Term fire business | 3,052,187 | 24,901 | 2,145 | 0.8158 | 0.0703 | 0.0861 |
| Ocean marine business | 4,633,998 | 106,482 | 92,108 | 2.2978 | 1.9877 | 0.8650 |
| Class 3—Total—Term fire business | 393,681,652 | 2,971,577 | 1,280,301 | 0.9785 | 0.4216 | 0.4308 |
| Class 3a—Total | 544,390,391 | 5,812,105 | 3,117,155 | 1.0676 | 0.5726 | 0.5363 |
| Ocean marine business | 535,557,898 | 5,798,325 | 3,076,929 | 1.0771 | 0.5745 | 0.5334 |
| Inland navigation and transportation business | 8,832,493 | 48,840 | 40,226 | 0.4903 | 0.4554 | 0.9176 |
| Class 4—Total | 333,108,441 | 3,688,312 | 1,025,211 | 1.1072 | 0.5780 | 0.5220 |
| Term fire business | 331,526,730 | 3,659,434 | 1,009,922 | 1.1038 | 0.5701 | 0.5219 |
| Perpetual fire business | 1,581,711 | 28,878 | 15,289 | 1.8257 | 0.9666 | 0.5294 |
| Class 5—Total | 237,211,919 | 2,248,538 | 1,524,619 | 0.9479 | 0.6427 | 0.6780 |
| Term fire business | 233,093,663 | 2,165,799 | 1,476,347 | 0.9291 | 0.6334 | 0.6817 |
| Perpetual fire business | 3,449,971 | 82,161 | 48,272 | 2.3815 | 1.3092 | 0.5875 |
| Tornado business | 668,285 | 608 | 0 | 0.1000 | | |
| 1885—Total | 11,682,492,600 | 118,073,413 | 65,267,352 | 1.0107 | 0.5587 | 0.5528 |
| Class 1—Total | 10,191,680,494 | 102,902,550 | 57,782,018 | 1.0097 | 0.5670 | 0.5615 |
| Term fire business | 8,789,046,756 | 92,242,473 | 50,751,262 | 1.0495 | 0.5774 | 0.5502 |
| Perpetual fire business | 10,872,931 | 253,796 | 62,493 | 2.3342 | 0.5748 | 0.2402 |
| Ocean marine business | 975,626,775 | 8,409,544 | 5,744,630 | 0.8620 | 0.5888 | 0.6831 |
| Inland navigation and transportation business | 398,447,188 | 1,693,713 | 1,135,803 | 0.4251 | 0.2851 | 0.6706 |
| Tornado business | 17,686,844 | 303,033 | 87,830 | 1.7133 | 0.4966 | 0.2898 |
| Class 2—Total | 6,756,001 | 130,973 | 81,464 | 1.9386 | 1.2058 | 0.6220 |
| Term fire business | 3,351,818 | 26,318 | 8,134 | 0.7852 | 0.2427 | 0.3091 |
| Ocean marine business | 3,404,183 | 104,655 | 73,330 | 3.0743 | 2.1541 | 0.7007 |
| Class 3—Total—Term fire business | 322,740,162 | 3,215,053 | 763,870 | 0.9962 | 0.2367 | 0.2376 |

TABLE I.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANSACTED, BY CLASSES—Continued.

| YEARS AND KINDS OF BUSINESS. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|---|----------------------------|--|----------------------|--|---|--|
| 1885—Continued. | | | | | | |
| Class 3 α —Total | \$535,887,617 | \$5,303,708 | \$2,859,424 | \$0.9897 | \$0.5336 | \$0.5391 |
| Ocean marine business | 520,222,998 | 5,268,360 | 2,832,227 | 1.0127 | 0.5444 | 0.5376 |
| Inland navigation and transportation business | 15,664,619 | 35,348 | 27,197 | 0.2260 | 0.1736 | 0.7681 |
| Class 4—Total | 372,393,778 | 4,094,993 | 2,130,740 | 1.0906 | 0.5722 | 0.5203 |
| Term fire business | 370,803,372 | 4,068,805 | 2,119,357 | 1.0973 | 0.5710 | 0.5209 |
| Perpetual fire business | 1,590,406 | 26,188 | 11,383 | 1.6466 | 0.7157 | 0.4347 |
| Class 5—Total | 253,034,608 | 2,426,067 | 1,649,836 | 0.9588 | 0.6520 | 0.6800 |
| Term fire business | 249,197,571 | 2,345,298 | 1,591,446 | 0.9411 | 0.6286 | 0.6786 |
| Perpetual fire business | 3,107,300 | 80,040 | 58,269 | 2.5759 | 1.8752 | 0.7280 |
| Tornado business | 729,737 | 729 | 121 | 0.0999 | 0.0166 | 0.1660 |
| 1886—Total | 12,435,993,326 | 122,632,675 | 66,611,841 | 0.9861 | 0.5956 | 0.5432 |
| Class 1—Total | 10,803,588,578 | 106,085,257 | 57,520,794 | 0.9819 | 0.5924 | 0.5422 |
| Term fire business | 9,286,416,717 | 95,525,141 | 49,956,778 | 1.0287 | 0.5380 | 0.5230 |
| Perpetual fire business | 12,395,636 | 292,997 | 63,703 | 2.3637 | 0.5139 | 0.2174 |
| Ocean marine business | 1,049,188,028 | 8,294,288 | 6,382,816 | 0.7905 | 0.6084 | 0.7095 |
| Inland navigation and transportation business | 435,998,165 | 1,668,992 | 1,021,913 | 0.3828 | 0.2344 | 0.6123 |
| Tornado business | 19,590,032 | 303,839 | 95,584 | 1.5510 | 0.4879 | 0.3146 |
| Class 2—Total | 7,459,914 | 140,159 | 89,249 | 1.8788 | 1.1964 | 0.6368 |
| Term fire business | 3,380,888 | 28,514 | 8,081 | 0.8434 | 0.2390 | 0.2834 |
| Ocean marine business | 4,079,026 | 111,645 | 81,168 | 2.7371 | 1.9839 | 0.7270 |
| Class 3—Total—Term fire business | 350,198,463 | 3,547,889 | 1,277,113 | 1.0131 | 0.3647 | 0.3600 |
| Class 3 α —Total | 583,353,743 | 5,193,279 | 3,500,740 | 0.8902 | 0.6001 | 0.6741 |
| Ocean marine business | 560,933,207 | 5,145,926 | 3,478,221 | 0.9174 | 0.6201 | 0.6759 |
| Inland navigation and transportation business | 22,420,536 | 47,353 | 22,519 | 0.2112 | 0.1004 | 0.4756 |
| Class 4—Total | 427,486,109 | 5,142,132 | 2,516,129 | 1.2029 | 0.5886 | 0.4893 |
| Term fire business | 426,049,055 | 5,114,066 | 2,490,704 | 1.2003 | 0.5846 | 0.4870 |
| Perpetual fire business | 1,437,054 | 28,066 | 25,425 | 1.9530 | 1.7092 | 0.9059 |
| Class 5—Total | 263,906,519 | 2,523,965 | 1,707,816 | 0.9564 | 0.6471 | 0.6706 |
| Term fire business | 258,865,614 | 2,445,956 | 1,628,343 | 0.9449 | 0.6290 | 0.6657 |
| Perpetual fire business | 3,240,268 | 75,655 | 79,186 | 2.3348 | 2.4438 | 1.0467 |
| Tornado business | 1,800,637 | 2,374 | 287 | 0.1318 | 0.0159 | 0.1209 |
| 1887—Total | 12,934,924,841 | 126,338,813 | 73,304,623 | 0.9767 | 0.5667 | 0.5802 |
| Class 1—Total | 11,249,675,642 | 109,193,977 | 64,835,803 | 0.9706 | 0.5763 | 0.5938 |
| Term fire business | 9,742,426,094 | 99,086,309 | 57,931,539 | 1.0171 | 0.5946 | 0.5847 |
| Perpetual fire business | 14,038,554 | 309,369 | 48,301 | 2.2037 | 0.3441 | 0.1561 |
| Ocean marine business | 1,037,840,083 | 7,900,056 | 5,474,620 | 0.7612 | 0.5275 | 0.6930 |
| Inland navigation and transportation business | 437,189,847 | 1,621,810 | 1,270,468 | 0.3710 | 0.2906 | 0.7394 |
| Tornado business | 18,181,064 | 276,433 | 110,875 | 1.5204 | 0.6098 | 0.4011 |
| Class 2—Total | 9,918,518 | 168,740 | 111,144 | 1.7013 | 1.1206 | 0.6587 |
| Term fire business | 4,045,805 | 30,156 | 5,534 | 0.7454 | 0.1868 | 0.1835 |
| Ocean marine business | 5,872,713 | 138,584 | 105,610 | 2.3598 | 1.7983 | 0.7621 |
| Class 3—Total—Term fire business | 379,876,646 | 3,950,445 | 962,422 | 1.0399 | 0.2534 | 0.2436 |

INSURANCE.

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TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANACTED, BY CLASSES—Continued.

| YEARS AND KINDS OF BUSINESS. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|---|----------------------------|--|----------------------|--|---|--|
| 1887—Continued. | | | | | | |
| Class 3a—Total—Ocean marine business . . . | \$549,774,333 | \$5,079,132 | \$2,552,203 | 0.9230 | 0.4642 | 0.5025 |
| Class 4—Total | 457,059,145 | 5,238,652 | 3,017,435 | 1.1462 | 0.6602 | 0.5760 |
| Term fire business | 455,563,470 | 5,202,762 | 3,006,322 | 1.1420 | 0.6599 | 0.5773 |
| Perpetual fire business | 1,495,675 | 35,890 | 11,113 | 2.3996 | 0.7430 | 0.3096 |
| Class 5—Total | 288,020,557 | 2,707,867 | 1,825,616 | 0.9382 | 0.6325 | 0.6742 |
| Term fire business | 284,363,664 | 2,636,897 | 1,787,689 | 0.9273 | 0.6287 | 0.6780 |
| Perpetual fire business | 2,968,481 | 68,635 | 37,261 | 2.3121 | 1.2552 | 0.5429 |
| Tornado business | 1,288,412 | 2,335 | 600 | 0.1812 | 0.0517 | 0.2852 |
| 1888—Total | 13,535,919,287 | 132,217,991 | 72,703,741 | 0.9768 | 0.5371 | 0.5499 |
| Class 1—Total | 11,654,739,209 | 113,509,965 | 63,526,390 | 0.9739 | 0.5451 | 0.5597 |
| Term fire business | 10,157,178,626 | 103,304,577 | 56,891,088 | 1.0171 | 0.5601 | 0.5507 |
| Perpetual fire business | 17,471,934 | 360,266 | 122,823 | 2.0620 | 0.7030 | 0.3400 |
| Ocean marine business | 1,023,104,231 | 7,692,340 | 5,242,110 | 0.7519 | 0.5124 | 0.6815 |
| Inland navigation and transportation business | 439,117,776 | 1,890,962 | 1,181,299 | 0.4306 | 0.2690 | 0.6247 |
| Tornado business | 17,866,642 | 261,820 | 89,070 | 1.4654 | 0.4985 | 0.3402 |
| Class 2—Total | 16,505,181 | 230,993 | 139,008 | 1.3995 | 0.8422 | 0.6018 |
| Term fire business | 10,732,200 | 85,615 | 17,259 | 0.7977 | 0.1608 | 0.2016 |
| Ocean marine business | 5,772,981 | 145,378 | 121,749 | 2.5182 | 2.1089 | 0.8375 |
| Class 3—Total—Term fire business | 419,901,610 | 4,477,607 | 1,143,990 | 1.0664 | 0.2724 | 0.2555 |
| Class 3a—Total—Ocean marine business | 657,058,605 | 5,657,816 | 3,181,852 | 0.8611 | 0.4843 | 0.5624 |
| Class 4—Total | 496,215,584 | 5,616,758 | 2,923,232 | 1.1319 | 0.5891 | 0.5204 |
| Term fire business | 494,723,784 | 5,596,202 | 2,916,075 | 1.1312 | 0.5894 | 0.5211 |
| Perpetual fire business | 1,491,800 | 20,556 | 7,157 | 1.3779 | 0.4798 | 0.3482 |
| Class 5—Total | 291,499,098 | 2,724,102 | 1,789,260 | 0.9345 | 0.6138 | 0.6568 |
| Term fire business | 286,312,034 | 2,652,979 | 1,722,942 | 0.9266 | 0.6018 | 0.6494 |
| Perpetual fire business | 2,829,479 | 66,149 | 64,531 | 2.3379 | 2.2807 | 0.9755 |
| Tornado business | 2,356,685 | 5,064 | 1,796 | 0.2149 | 0.0782 | 0.3547 |
| 1889—Total | 14,137,913,089 | 137,334,980 | 82,345,993 | 0.9714 | 0.5824 | 0.5996 |
| Class 1—Total | 12,106,637,841 | 117,323,303 | 71,137,725 | 0.9691 | 0.5876 | 0.6063 |
| Term fire business | 10,386,300,808 | 106,652,511 | 64,247,147 | 1.0269 | 0.6186 | 0.6024 |
| Perpetual fire business | 15,489,742 | 347,957 | 96,127 | 2.2464 | 0.6206 | 0.2763 |
| Ocean marine business | 1,290,770,434 | 8,283,525 | 5,627,515 | 0.6570 | 0.4464 | 0.6794 |
| Inland navigation and transportation business | 423,775,262 | 1,764,835 | 1,076,758 | 0.4145 | 0.2520 | 0.6101 |
| Tornado business | 18,301,595 | 274,475 | 90,178 | 1.4997 | 0.4927 | 0.3285 |
| Class 2—Total | 15,464,056 | 288,396 | 175,355 | 1.8649 | 1.1340 | 0.6080 |
| Term fire business | 9,037,525 | 146,964 | 44,678 | 1.6282 | 0.4944 | 0.3040 |
| Ocean marine business | 6,426,531 | 141,432 | 130,677 | 2.2008 | 2.0334 | 0.9240 |
| Class 3—Total—Term fire business | 468,451,522 | 4,958,063 | 1,612,875 | 1.0584 | 0.3443 | 0.3253 |
| Class 3a—Total | 700,070,342 | 5,867,583 | 4,101,370 | 0.8381 | 0.5859 | 0.6990 |
| Ocean marine business | 696,144,487 | 5,825,053 | 4,090,755 | 0.8368 | 0.5876 | 0.7023 |
| Inland navigation and transportation business | 3,925,855 | 42,530 | 10,615 | 1.0838 | 0.2704 | 0.2485 |

TABLE I.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANSACTED, BY CLASSES—Continued.

| YEARS AND KINDS OF BUSINESS. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|------------------------------|----------------------------|--|----------------------|--|---|--|
| 1889—Continued. | | | | | | |
| Class 4—Total..... | \$532,691,168 | \$6,047,263 | \$3,409,757 | \$1.1352 | \$0.6401 | \$0.5630 |
| Term fire business..... | 531,026,175 | 6,023,610 | 3,403,768 | 1.1343 | 0.6410 | 0.5651 |
| Perpetual fire business..... | 1,664,993 | 23,653 | 5,989 | 1.4206 | 0.3597 | 0.2592 |
| Class 5—Total..... | 314,598,160 | 2,850,372 | 1,908,911 | 0.9060 | 0.6068 | 0.6697 |
| Term fire business..... | 306,807,921 | 2,724,125 | 1,848,490 | 0.8877 | 0.6024 | 0.6786 |
| Perpetual fire business..... | 4,736,464 | 127,108 | 59,837 | 2.5992 | 1.2633 | 0.4861 |
| Tornado business..... | 2,993,775 | 3,139 | 584 | 0.1049 | 0.0195 | 0.1860 |

WHOLE BUSINESS TRANSACTED, BY YEARS.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|------------------------------|---------------------|----------------------------|--|----------------------|--|---|--|
| Grand total..... | | \$120,067,235,826 | \$1,156,459,512 | \$647,663,097 | \$0.9632 | \$0.5394 | \$0.5000 |
| Total 1880..... | 1,2,3,3a,4,5 | 9,956,099,762 | 88,067,018 | 47,236,411 | 0.8846 | 0.4744 | 0.5364 |
| Fire business..... | 1,2,3,4,5 | 7,833,100,641 | 69,145,406 | 35,329,779 | 0.8827 | 0.4510 | 0.5109 |
| Ocean marine business..... | 1,2,3a | 1,630,556,246 | 15,879,253 | 9,964,529 | 0.9739 | 0.6111 | 0.6275 |
| Inland business..... | 1,3a | 488,514,675 | 2,967,637 | 1,917,400 | 0.6075 | 0.3925 | 0.6461 |
| Tornado business..... | 1 | 3,928,200 | 74,702 | 24,703 | 1.9017 | 0.6289 | 0.3307 |
| Total 1881..... | 1,2,3,3a,4,5 | 10,570,317,401 | 94,939,301 | 51,931,879 | 0.8982 | 0.4913 | 0.5470 |
| Fire business..... | 1,2,3,4,5 | 8,542,426,059 | 77,483,071 | 40,762,745 | 0.9070 | 0.4772 | 0.5261 |
| Ocean marine business..... | 1,2,3a | 1,492,524,607 | 14,335,155 | 8,957,871 | 0.9605 | 0.6002 | 0.6249 |
| Inland business..... | 1,3a | 529,724,391 | 3,015,883 | 2,179,709 | 0.5693 | 0.4115 | 0.7227 |
| Tornado business..... | 1 | 5,642,254 | 105,192 | 31,554 | 1.8614 | 0.5592 | 0.3900 |
| Total 1882..... | 1,2,3,3a,4,5 | 11,165,031,512 | 103,651,875 | 56,583,941 | 0.9284 | 0.5068 | 0.5459 |
| Fire business..... | 1,2,3,4,5 | 9,051,318,935 | 85,679,280 | 46,417,043 | 0.9466 | 0.5128 | 0.5418 |
| Ocean marine business..... | 1,2,3a | 1,573,367,236 | 15,072,284 | 8,816,491 | 0.9580 | 0.5604 | 0.5849 |
| Inland business..... | 1,3a | 529,679,530 | 2,708,633 | 1,298,285 | 0.5114 | 0.2451 | 0.4793 |
| Tornado business..... | 1 | 10,665,811 | 191,618 | 52,122 | 1.7966 | 0.4887 | 0.2720 |
| Total 1883..... | 1,2,3,3a,4,5 | 12,005,835,511 | 115,507,809 | 63,273,909 | 0.9621 | 0.5270 | 0.5478 |
| Fire business..... | 1,2,3,4,5 | 9,788,506,558 | 97,112,068 | 52,285,062 | 0.9921 | 0.5342 | 0.5384 |
| Ocean marine business..... | 1,2,3a | 1,636,021,189 | 15,600,997 | 9,147,605 | 0.9536 | 0.5591 | 0.5863 |
| Inland business..... | 1,3a | 566,678,728 | 2,553,233 | 1,774,017 | 0.4506 | 0.3131 | 0.6948 |
| Tornado business..... | 1 | 14,629,036 | 240,611 | 66,325 | 1.6447 | 0.4534 | 0.2757 |
| Total 1884..... | 1,2,3,3a,4,5 | 11,642,703,437 | 117,687,237 | 68,403,407 | 1.0108 | 0.5875 | 0.5812 |
| Fire business..... | 1,2,3,4,5 | 9,605,401,903 | 100,245,160 | 58,196,313 | 1.0372 | 0.6021 | 0.5805 |
| Ocean marine business..... | 1,2,3a | 1,532,920,034 | 15,026,994 | 8,568,703 | 0.9803 | 0.5590 | 0.5702 |
| Inland business..... | 1,3a | 426,589,477 | 2,095,330 | 1,554,773 | 0.4912 | 0.3645 | 0.7420 |
| Tornado business..... | 1,5 | 17,806,024 | 310,753 | 83,618 | 1.7938 | 0.4696 | 0.2615 |
| Total 1885..... | 1,2,3,3a,4,5 | 11,682,492,660 | 118,073,413 | 65,267,352 | 1.0107 | 0.5587 | 0.5528 |
| Fire business..... | 1,2,3,4,5 | 9,750,710,316 | 102,257,971 | 55,366,214 | 1.0487 | 0.5672 | 0.5414 |
| Ocean marine business..... | 1,2,3a | 1,499,253,956 | 13,782,559 | 8,650,187 | 0.9193 | 0.5770 | 0.6276 |
| Inland business..... | 1,3a | 414,711,807 | 1,723,121 | 1,163,000 | 0.4175 | 0.2808 | 0.6726 |
| Tornado business..... | 1,5 | 18,416,581 | 303,762 | 87,951 | 1.6494 | 0.4776 | 0.2895 |

INSURANCE.

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TABLE 1.—SUMMARY OF INSURANCE BUSINESS TRANSACTED IN THE UNITED STATES IN THE 10 YEARS 1880 TO 1889, INCLUSIVE—Continued.

WHOLE BUSINESS TRANSACTED, BY YEARS—Continued.

| YEARS AND KINDS OF BUSINESS. | Class of companies. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|------------------------------|---------------------|----------------------------|--|----------------------|--|---|--|
| Total 1886 | 1, 2, 3, 3a, 4, 5 | \$12,435,993,326 | \$122,632,675 | \$60,611,841 | \$0.9861 | \$0.5350 | \$0.5432 |
| Fire business | 1, 2, 3, 4, 5 | 10,341,983,695 | 107,058,258 | 55,529,333 | 1.0352 | 0.5309 | 0.5187 |
| Ocean marine business | 1, 2, 3a | 1,614,200,261 | 13,551,859 | 9,942,205 | 0.8395 | 0.6159 | 0.7336 |
| Inland business | 1, 3a | 458,418,701 | 1,716,345 | 1,044,432 | 0.3744 | 0.2273 | 0.6085 |
| Tornado business | 1, 5 | 21,390,669 | 306,213 | 95,871 | 1.4315 | 0.4482 | 0.8131 |
| Total 1887 | 1, 2, 3, 3a, 4, 5 | 12,934,924,841 | 126,338,813 | 73,304,623 | 0.9767 | 0.5667 | 0.5802 |
| Fire business | 1, 2, 3, 4, 5 | 10,884,778,389 | 111,320,463 | 63,790,181 | 1.0227 | 0.5860 | 0.5730 |
| Ocean marine business | 1, 2, 3a | 1,593,487,129 | 13,117,772 | 8,132,433 | 0.8232 | 0.5104 | 0.6200 |
| Inland business | 1 | 437,189,847 | 1,621,810 | 1,270,463 | 0.3710 | 0.2906 | 0.7834 |
| Tornado business | 1, 5 | 19,460,476 | 278,768 | 111,541 | 1.4318 | 0.5729 | 0.4001 |
| Total 1888 | 1, 2, 3, 3a, 4, 5 | 13,535,019,287 | 132,217,391 | 72,703,741 | 0.9768 | 0.5371 | 0.5499 |
| Fire business | 1, 2, 3, 4, 5 | 11,390,642,367 | 116,564,011 | 62,885,865 | 1.0233 | 0.5521 | 0.5395 |
| Ocean marine business | 1, 2, 3a | 1,085,935,817 | 13,495,534 | 8,545,711 | 0.8005 | 0.5069 | 0.6322 |
| Inland business | 1 | 439,117,776 | 1,890,962 | 1,181,299 | 0.4306 | 0.2690 | 0.6247 |
| Tornado business | 1, 5 | 20,223,327 | 266,884 | 90,866 | 1.3197 | 0.4493 | 0.3405 |
| Total 1889 | 1, 2, 3, 3a, 4, 5 | 14,137,913,089 | 137,334,980 | 82,345,993 | 0.9714 | 0.5824 | 0.5996 |
| Fire business | 1, 2, 3, 4, 5 | 11,723,575,150 | 120,699,991 | 71,318,011 | 1.0321 | 0.6083 | 0.5894 |
| Ocean marine business | 1, 2, 3a | 1,963,341,462 | 14,249,990 | 9,848,947 | 0.7258 | 0.5016 | 0.6912 |
| Inland business | 1, 3a | 429,701,117 | 1,807,385 | 1,087,373 | 0.4206 | 0.2531 | 0.6016 |
| Tornado business | 1, 5 | 21,295,370 | 277,614 | 90,762 | 1.3036 | 0.4282 | 0.3209 |

KINDS OF BUSINESS TRANSACTED.

| KINDS OF BUSINESS. | Class of companies. | Years. | Risks written and renewed. | Premiums and assessments received in cash. | Losses paid in cash. | Average amount of premiums received for each \$100 of risks written. | Average amount of losses paid to each \$100 of risks written. | Average amount of losses paid to each dollar of premiums received. |
|---|---------------------|---------|----------------------------|--|----------------------|--|---|--|
| Grand total | 1, 2, 3, 3a, 4, 5 | 1880-89 | \$120,067,235,826 | \$1,150,450,512 | \$647,663,097 | \$0.9632 | \$0.5394 | \$0.5600 |
| Total fire business | 1, 2, 3, 4, 5 | 1880-89 | 98,972,144,013 | 987,866,579 | 541,882,346 | 0.9981 | 0.5475 | 0.5485 |
| Fire business | 1 | 1880-89 | 89,411,316,027 | 889,427,918 | 494,089,487 | 0.9948 | 0.5526 | 0.5555 |
| | 2 | 1880-89 | 49,944,554 | 450,507 | 109,429 | 0.9013 | 0.2189 | 0.2429 |
| | 3 | 1880-89 | 3,180,968,061 | 32,190,418 | 9,935,706 | 1.0120 | 0.3123 | 0.3087 |
| | 4 | 1880-83 | 3,796,078,545 | 42,270,176 | 22,220,149 | 1.1133 | 0.5894 | 0.5258 |
| | 5 | 1880-89 | 2,533,498,626 | 23,527,560 | 15,521,575 | 0.9287 | 0.6126 | 0.6597 |
| Total ocean marine business | 1, 2, 3a | 1880-89 | 16,221,608,016 | 144,112,397 | 90,574,682 | 0.8884 | 0.5584 | 0.6285 |
| Ocean marine business | 1 | 1880-89 | 10,407,003,221 | 87,136,600 | 57,804,611 | 0.8373 | 0.5554 | 0.6634 |
| | 2 | 1880-89 | 47,384,701 | 1,174,505 | 978,833 | 2.4787 | 2.0657 | 0.8394 |
| | 3a | 1880-89 | 5,767,220,094 | 55,801,232 | 31,791,238 | 0.9076 | 0.5512 | 0.5697 |
| Total inland navigation and transportation business | 1, 3a | 1880-89 | 4,719,717,049 | 22,106,419 | 14,470,756 | 0.4684 | 0.3066 | 0.6546 |
| Inland navigation and transportation business | 1 | 1880-89 | 4,536,321,967 | 21,193,903 | 13,835,347 | 0.4672 | 0.3050 | 0.6528 |
| | 3a | 1880-89 | 183,395,082 | 912,516 | 635,409 | 0.4976 | 0.3465 | 0.6963 |
| Total tornado business | 1, 5 | 1880-89 | 153,466,748 | 2,365,117 | 735,313 | 1.5411 | 0.4791 | 0.3109 |
| Tornado business | 1 | 1880-89 | 143,629,217 | 2,350,808 | 731,859 | 1.6367 | 0.5095 | 0.3113 |
| | 5 | 1880-89 | 9,837,531 | 14,309 | 3,454 | 0.1455 | 0.0251 | 0.2414 |

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND
BY CLASSES.

| CLASSES AND STATES AND TERRITORIES. | Number of companies. | INVESTMENT ASSETS. | | | | |
|-------------------------------------|----------------------|--|------------------------------------|---------------------------------------|---|--------------|
| | | Market value of real estate owned (less all incumbrances). | Stocks and bonds owned absolutely. | Loans— | | |
| | | | | On bonds and mortgages (first liens). | On collateral security and all other loans. | Total. |
| 1 Total..... | a1,926 | \$26,403,061 | \$166,518,092 | \$54,909,388 | \$12,069,782 | \$67,639,170 |
| 2 Class 1..... | 434 | 24,878,524 | 146,485,569 | 50,657,871 | 11,086,404 | 61,744,275 |
| 3 Class 2..... | 3 | 75 | 420,491 | 104,300 | | 104,300 |
| 4 Class 3..... | 51 | 6,500 | 4,085,307 | 80,286 | 136,187 | 216,473 |
| 5 Class 3a..... | 5 | 700,000 | 8,399,807 | | 674,946 | 674,946 |
| 6 Class 4..... | 152 | 818,037 | 7,126,918 | 4,126,091 | 772,245 | 4,899,176 |
| 7 Class 5..... | 1,281 | | | | | |

BY STATES.

| | | | | | | |
|------------------------------|--------|------------|-------------|------------|------------|------------|
| 8 Total..... | a1,926 | 26,403,061 | 166,518,092 | 54,909,388 | 12,069,782 | 67,639,170 |
| 9 Alabama..... | 7 | 147,732 | 548,702 | 16,841 | 345,611 | 362,452 |
| 10 Class 1..... | 7 | 147,732 | 548,702 | 16,841 | 345,611 | 362,452 |
| 11 Arkansas..... | 1 | | 730 | | 60,605 | 60,605 |
| 12 Class 1..... | 1 | | 730 | | 60,605 | 60,605 |
| 13 California..... | 11 | 1,078,604 | 4,073,649 | 2,733,861 | 361,250 | 3,095,111 |
| 14 Class 1..... | 11 | 1,078,604 | 4,073,649 | 2,733,861 | 361,250 | 3,095,111 |
| 15 Colorado..... | 1 | | | 218,195 | 26,250 | 244,445 |
| 16 Class 1..... | 1 | | | 218,195 | 26,250 | 244,445 |
| 17 Connecticut..... | 27 | 1,378,079 | 20,782,671 | 3,675,588 | 142,328 | 3,817,916 |
| 18 Class 1..... | 10 | 1,371,379 | 20,748,471 | 3,652,588 | 142,203 | 3,794,791 |
| 19 Class 4..... | 1 | 6,700 | 34,200 | 23,000 | 125 | 23,125 |
| 20 Class 5..... | 16 | | | | | |
| 21 Delaware..... | 6 | 45,259 | 188,150 | 155,050 | 29,460 | 184,510 |
| 22 Class 4..... | 3 | 45,259 | 188,150 | 155,050 | 29,460 | 184,510 |
| 23 Class 5..... | 3 | | | | | |
| 24 District of Columbia..... | 13 | 445,942 | 318,910 | 1,668,876 | 3,150 | 1,672,026 |
| 25 Class 1..... | 11 | 345,942 | 248,378 | 1,528,203 | 3,150 | 1,531,353 |
| 26 Class 4..... | 2 | 100,000 | 70,538 | 140,673 | | 140,673 |
| 27 Georgia..... | 9 | 141,200 | 1,686,395 | 476,638 | 209,727 | 686,365 |
| 28 Class 1..... | 7 | 121,200 | 764,959 | 476,638 | 206,057 | 682,695 |
| 29 Class 3..... | 1 | | | | 3,670 | 3,670 |
| 30 Class 4..... | 1 | 20,000 | 921,436 | | | |
| 31 Illinois..... | 214 | 188,849 | 1,905,777 | 3,129,340 | 395,017 | 3,524,357 |
| 32 Class 1..... | 8 | 182,649 | 1,455,201 | 2,988,165 | 269,317 | 3,257,482 |
| 33 Class 3..... | 8 | | 376,980 | 51,300 | 78,700 | 130,000 |
| 34 Class 4..... | b11 | 6,200 | 73,596 | 89,875 | 47,000 | 136,875 |
| 35 Class 5..... | b187 | | | | | |
| 36 Indiana..... | 71 | 35,000 | 156,750 | 326,566 | 353,680 | 680,246 |
| 37 Class 1..... | b6 | 10,000 | 156,750 | 260,240 | 343,680 | 603,920 |
| 38 Class 3..... | b3 | | | | | |
| 39 Class 4..... | 2 | 25,000 | | 66,326 | 10,000 | 76,326 |
| 40 Class 5..... | c60 | | | | | |

a Includes 50 companies for which no report is made.

b Includes 1 company for which no report is made.

INSURANCE.

NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889.

BY CLASSES.

| INVESTMENT ASSETS—continued. | | | | PREMIUM ASSETS. | | | |
|----------------------------------|--|---------------|---------------|---------------------------------------|--|--|--------------|
| Cash on hand in office and bank. | Interest due and unpaid and accrued but not due. | Due for rent. | Total. | Premiums in due course of collection. | Bills receivable not matured taken for premiums. | Net amount of calls or assessments on premium or deposit notes or otherwise which are due and collectible. | Total. |
| \$23,101,957 | \$2,056,898 | \$154,334 | \$285,873,512 | \$17,452,223 | \$5,860,355 | \$332,419 | \$23,645,297 |
| 17,922,762 | 1,768,757 | 152,495 | 252,352,382 | 15,905,996 | 3,681,211 | 17,917 | 19,605,124 |
| 34,955 | 3,334 | ..... | 563,080 | 23,765 | 58,364 | ..... | 82,129 |
| 1,437,691 | 48,699 | ..... | 5,794,670 | 135,601 | 8,905 | ..... | 144,506 |
| 1,837,376 | 10,581 | ..... | 11,622,710 | 60,993 | 1,754,038 | ..... | 1,815,031 |
| 1,417,777 | 225,527 | 1,839 | 14,489,274 | 632,463 | 358,137 | 314,502 | 1,305,102 |
| 1,051,396 | ..... | ..... | 1,051,396 | 693,405 | ..... | ..... | 693,405 |

BY STATES.

| | | | | | | | | |
|------------|-----------|---------|-------------|------------|-----------|---------|------------|----|
| 23,101,957 | 2,056,898 | 154,334 | 285,873,512 | 17,452,223 | 5,860,655 | 332,419 | 23,645,297 | 8 |
| 171,266 | 1,176 | ..... | 1,231,328 | 51,654 | 64,992 | ..... | 116,646 | 9 |
| 171,266 | 1,176 | ..... | 1,231,328 | 51,654 | 64,992 | ..... | 116,646 | 10 |
| 5,927 | ..... | ..... | 67,262 | 1,829 | ..... | ..... | 1,829 | 11 |
| 5,927 | ..... | ..... | 67,262 | 1,829 | ..... | ..... | 1,829 | 12 |
| 1,044,606 | 79,295 | 332 | 9,371,597 | 1,198,416 | 162,848 | ..... | 1,361,264 | 13 |
| 1,044,606 | 79,295 | 332 | 9,371,597 | 1,198,416 | 162,848 | ..... | 1,361,264 | 14 |
| 20,857 | 3,920 | ..... | 269,222 | 14,465 | 2,186 | ..... | 16,651 | 15 |
| 20,857 | 3,920 | ..... | 269,222 | 14,465 | 2,186 | ..... | 16,651 | 16 |
| 2,033,870 | 111,090 | 4,348 | 28,127,974 | 1,739,164 | 5,323 | ..... | 1,744,487 | 17 |
| 1,920,836 | 109,490 | 4,348 | 27,040,915 | 1,725,787 | 5,323 | ..... | 1,731,110 | 18 |
| 7,690 | 1,600 | ..... | 73,285 | 353 | ..... | ..... | 353 | 19 |
| 105,374 | ..... | ..... | 105,374 | 13,024 | ..... | ..... | 13,024 | 20 |
| 14,103 | 6,629 | ..... | 438,651 | 49 | ..... | ..... | 49 | 21 |
| 13,874 | 6,629 | ..... | 438,422 | 49 | ..... | ..... | 49 | 22 |
| 229 | ..... | ..... | 229 | ..... | ..... | ..... | ..... | 23 |
| 123,031 | 13,509 | 1,492 | 2,574,916 | 2,223 | ..... | ..... | 2,223 | 24 |
| 111,519 | 13,509 | 1,492 | 2,252,193 | 2,223 | ..... | ..... | 2,223 | 25 |
| 11,512 | ..... | ..... | 322,723 | ..... | ..... | ..... | ..... | 26 |
| 218,164 | 25,564 | ..... | 2,757,088 | 42,985 | 16,047 | ..... | 59,032 | 27 |
| 202,860 | 25,564 | ..... | 1,797,278 | 30,990 | 16,047 | ..... | 47,037 | 28 |
| 613 | ..... | ..... | 4,283 | 387 | ..... | ..... | 387 | 29 |
| 14,691 | ..... | ..... | 956,127 | 11,698 | ..... | ..... | 11,698 | 30 |
| 726,811 | 132,902 | 1,519 | 6,480,215 | 369,868 | 531,748 | 64,029 | 965,645 | 31 |
| 447,077 | 121,907 | 1,519 | 5,465,835 | 267,077 | 520,849 | ..... | 787,926 | 32 |
| 130,947 | 5,707 | ..... | 643,634 | 32,579 | 7,546 | ..... | 40,125 | 33 |
| 116,971 | 5,288 | ..... | 338,930 | 65,811 | 3,353 | 64,029 | 133,193 | 34 |
| 31,816 | ..... | ..... | 31,816 | 4,401 | ..... | ..... | 4,401 | 35 |
| 117,309 | 5,652 | 50 | 995,007 | 30,767 | 7,485 | ..... | 38,252 | 36 |
| 48,800 | 5,652 | 50 | 825,232 | 11,080 | 7,485 | ..... | 18,565 | 37 |
| 20,152 | ..... | ..... | 20,152 | 12,286 | ..... | ..... | 12,286 | 38 |
| 26,700 | ..... | ..... | 128,026 | 2,833 | ..... | ..... | 2,833 | 39 |
| 21,597 | ..... | ..... | 21,597 | 4,568 | ..... | ..... | 4,568 | 40 |

c Includes 6 companies for which no report is made.

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION BY CLASSES—Continued.

| CLASSES AND STATES AND TERRITORIES. | MISCELLANEOUS ASSETS. | | | Total assets admissible under state law. |
|-------------------------------------|----------------------------|--|--|--|
| | Due on subscription notes. | Stock or subscription notes exclusive of premium notes held as capital of the company. | All other assets admissible under state law. | |
| 1 Total | \$488,308 | \$2,334,726 | \$16,246,237 | \$28,588,080 |
| 2 Class 1 | 438,308 | 2,217,605 | 1,498,191 | 276,111,610 |
| 3 Class 2 | 50,000 | | 50,000 | 745,209 |
| 4 Class 3 | | | 154,028 | 6,033,204 |
| 5 Class 3a | | | 34,070 | 13,472,411 |
| 6 Class 4 | | 117,121 | 218,701 | 16,130,198 |
| 7 Class 5 | | | 14,290,647 | 16,036,448 |

BY STATES—Continued.

| | | | | |
|-------------------------------|---------|-----------|------------|-------------|
| 8 Total | 488,308 | 2,334,726 | 16,246,237 | 328,588,080 |
| 9 Alabama | 5,775 | | 10,246 | 1,363,995 |
| 10 Class 1 | 5,775 | | 10,246 | 1,363,995 |
| 11 Arkansas | | | | 69,091 |
| 12 Class 1 | | | | 69,091 |
| 13 California | | | 87,534 | 10,820,395 |
| 14 Class 1 | | | 87,534 | 10,820,395 |
| 15 Colorado | | | | 285,873 |
| 16 Class 1 | | | | 285,873 |
| 17 Connecticut | | | 1,357,011 | 31,229,472 |
| 18 Class 1 | | | 16,110 | 29,696,535 |
| 19 Class 4 | | | | 73,638 |
| 20 Class 5 | | | 1,340,901 | 1,459,209 |
| 21 Delaware | | | 25,992 | 464,092 |
| 22 Class 4 | | | | 438,471 |
| 23 Class 5 | | | 25,992 | 26,221 |
| 24 District of Columbia | | | 3,084 | 2,580,223 |
| 25 Class 1 | | | 3,084 | 2,257,505 |
| 26 Class 4 | | | | 322,723 |
| 27 Georgia | | | 24,841 | 2,841,561 |
| 28 Class 1 | | | 24,808 | 1,869,123 |
| 29 Class 3 | | | | 4,670 |
| 30 Class 4 | | | 33 | 967,768 |
| 31 Illinois | | | 282,657 | 7,728,517 |
| 32 Class 1 | | | 26,418 | 6,250,179 |
| 33 Class 3 | | | 44,569 | 728,328 |
| 34 Class 4 | | | 31,896 | 504,019 |
| 35 Class 5 | | | 179,774 | 215,991 |
| 36 Indiana | | | 29,243 | 1,062,562 |
| 37 Class 1 | | | 23,076 | 866,873 |
| 38 Class 2 | | | | 32,438 |
| 39 Class 4 | | | | 136,859 |
| 40 Class 5 | | | 6,167 | 32,332 |

INSURANCE.

533

TION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY CLASSES—Continued.

| Assets not admissible under state law but carried on books as good and collectible. | CONTINGENT ASSETS. | | | | Total ledger assets. |
|---|--|--|---|-----------------|----------------------|
| | Net amount of premium and deposit notes subject to assessment. | Net amount of contingent premiums and assessments authorized by charter to pay losses. | Amount of policies subject to assessment where no premium note was given. | Total. | |
| \$1,330,205 | \$81,878,604 | \$32,028,205 | \$1,036,034,206 | \$1,150,541,015 | \$1,480,450,300 |
| 926,240 | 136,702 | | 160,816 | 297,518 | 277,037,850 |
| 2,271 | 4,776,136 | 27,301,630 | 11,854,263 | 43,932,038 | 1,044,068 |
| 24,779 | | | | | 50,050,021 |
| 324,001 | | | | | 13,796,412 |
| 52,914 | 48,739,826 | 4,726,566 | 28,788,014 | 82,254,406 | 98,437,518 |
| | 28,225,040 | | 995,831,113 | 1,024,057,053 | 1,040,092,501 |

BY STATES—Continued.

| | | | | | |
|-----------|------------|------------|---------------|---------------|---------------|
| 1,330,205 | 81,878,604 | 32,028,205 | 1,036,034,206 | 1,150,541,015 | 1,480,450,300 |
| 8,034 | | | | | 1,372,020 |
| 8,034 | | | | | 1,372,020 |
| | | | | | 69,091 |
| | | | | | 69,091 |
| | | | | | 10,820,305 |
| | | | | | 10,820,305 |
| | | | | | 285,873 |
| | | | | | 285,873 |
| 571 | 509,522 | | 5,514,377 | 6,113,890 | 37,343,942 |
| 571 | 178,752 | | | 178,752 | 29,607,106 |
| | 420,770 | | 5,514,377 | 5,935,147 | 252,300 |
| | | | | | 7,394,446 |
| | 1,989,272 | | 1,672,000 | 3,661,272 | 4,125,064 |
| | 1,908,757 | | | 1,908,757 | 2,347,228 |
| | 80,515 | | 1,672,000 | 1,752,515 | 1,778,736 |
| 1,377 | 2,164,481 | | | 2,164,481 | 4,746,081 |
| 1,377 | 2,164,481 | | | 2,164,481 | 2,258,877 |
| | | | | | 2,487,204 |
| 5,593 | | 25,769 | | 25,769 | 2,872,923 |
| 5,593 | | 25,769 | | 25,769 | 1,874,716 |
| | | | | | 30,430 |
| | | | | | 987,768 |
| 41,531 | 7,368,195 | 110,733 | 56,728,282 | 64,207,210 | 71,977,258 |
| 2,000 | | | | | 6,282,179 |
| 15,994 | 2,533,174 | 110,733 | | 2,643,907 | 3,385,229 |
| 23,537 | 1,747,845 | | | 1,747,845 | 2,275,401 |
| | 3,087,176 | | 56,728,282 | 59,815,458 | 60,081,449 |
| 293 | 473,489 | | 26,950,220 | 27,423,700 | 28,485,504 |
| 293 | 134,918 | | | 134,918 | 868,873 |
| | 262,933 | | | 262,933 | 107,649 |
| | 75,638 | | 26,950,220 | 27,025,858 | 393,792 |
| | | | | | 27,058,100 |

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | INVESTMENT ASSETS. | | | | |
|-------------------------------------|----------------------|--|------------------------------------|---------------------------------------|---|-------------|
| | | Market value of real estate owned (less all incumbrances). | Stocks and bonds owned absolutely. | Loans— | | Total. |
| | | | | On bonds and mortgages (first liens). | On collateral security and all other loans. | |
| 1 Iowa..... | 144 | \$224,389 | \$81,218 | \$913,986 | \$100,743 | \$1,014,729 |
| 2 Class 1..... | 10 | 223,889 | 80,918 | 910,736 | 100,743 | 1,011,479 |
| 3 Class 2..... | 1 | | | | | |
| 4 Class 3..... | 1 | | | | | |
| 5 Class 4..... | 5 | 500 | 300 | 3,250 | | 3,250 |
| 6 Class 5..... | 127 | | | | | |
| 7 Kansas..... | 14 | | 52,750 | | 1,600 | 1,600 |
| 8 Class 3..... | 1 | | | | | |
| 9 Class 4..... | 2 | | 52,750 | | 1,600 | 1,600 |
| 10 Class 5..... | 11 | | | | | |
| 11 Kentucky..... | 20 | 111,581 | 913,364 | 717,336 | 453,957 | 1,171,293 |
| 12 Class 1..... | 12 | 111,581 | 864,652 | 714,836 | 453,957 | 1,168,793 |
| 13 Class 4..... | 3 | | 48,712 | 2,500 | | 2,500 |
| 14 Class 5..... | 5 | | | | | |
| 15 Louisiana..... | 16 | 771,615 | 2,603,376 | 248,429 | 692,615 | 941,044 |
| 16 Class 1..... | 16 | 771,615 | 2,603,376 | 248,429 | 692,615 | 941,044 |
| 17 Maine..... | 32 | | 393,808 | 90,775 | 81,763 | 172,538 |
| 18 Class 1..... | 2 | | 183,868 | 90,775 | 27,375 | 118,150 |
| 19 Class 3a..... | 1 | | 210,000 | | 54,388 | 54,388 |
| 20 Class 5..... | 29 | | | | | |
| 21 Maryland..... | 32 | 836,098 | 3,386,582 | 722,274 | 44,158 | 766,432 |
| 22 Class 1..... | 14 | 816,882 | 3,201,513 | 544,304 | 41,170 | 585,474 |
| 23 Class 3..... | 1 | | 12,408 | | | |
| 24 Class 4..... | 10 | 19,216 | 172,601 | 177,970 | 2,988 | 180,958 |
| 25 Class 5..... | 7 | | | | | |
| 26 Massachusetts..... | 67 | 456,900 | 12,632,129 | 3,297,184 | 837,908 | 4,135,092 |
| 27 Class 1..... | 15 | 188,694 | 7,250,961 | 1,818,891 | 320,641 | 2,139,532 |
| 28 Class 2..... | 2 | | 420,491 | 104,300 | | 104,300 |
| 29 Class 3..... | 8 | | 1,914,655 | | | |
| 30 Class 3a..... | 2 | | 369,718 | | 21,158 | 21,158 |
| 31 Class 4..... | 21 | 268,206 | 2,676,304 | 1,373,993 | 496,109 | 1,870,102 |
| 32 Class 5..... | 19 | | | | | |
| 33 Michigan..... | 66 | 80,626 | 70,550 | 1,572,346 | 104,300 | 1,676,646 |
| 34 Class 1..... | 3 | 80,626 | 69,475 | 1,572,346 | 94,300 | 1,666,646 |
| 35 Class 3..... | 3 | | 1,075 | | 10,000 | 10,000 |
| 36 Class 5..... | 60 | | | | | |
| 37 Minnesota..... | 94 | 114,521 | 998,722 | 816,108 | 467,010 | 1,283,118 |
| 38 Class 1..... | 4 | 107,221 | 977,416 | 766,970 | 380,860 | -1,147,830 |
| 39 Class 3..... | 2 | 6,500 | 15,800 | 16,750 | 24,750 | -1,500 |
| 40 Class 4..... | 2 | 800 | 5,506 | 32,888 | 61,400 | 93,788 |
| 41 Class 5..... | 86 | | | | | |
| 42 Mississippi..... | 3 | | 40,145 | 18,802 | 34,030 | 52,832 |
| 43 Class 1..... | 3 | | 40,145 | 18,802 | 34,030 | 52,832 |

^a Includes 1 company for which no report is made.

INSURANCE.

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TION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INVESTMENT ASSETS—continued | | | | PREMIUM ASSETS. | | | |
|----------------------------------|--|---------------|-------------|---------------------------------------|--|--|-------------|
| Cash on hand in office and bank. | Interest due and unpaid and accrued but not due. | Due for rent. | Total. | Premiums in due course of collection. | Bills receivable not matured taken for premiums. | Net amount of calls or assessments on premium or deposit notes or otherwise which are due and collectible. | Total. |
| \$450,701 | \$59,483 | \$1,057 | \$1,831,577 | \$271,787 | \$906,452 | | \$1,178,239 |
| 331,123 | 59,410 | 1,017 | 1,707,836 | 209,086 | 903,625 | | 1,112,711 |
| 21,315 | | | 21,315 | 20,773 | | | 20,773 |
| 11,920 | | | 11,920 | | | | |
| 71,905 | 73 | 40 | 75,168 | 38,432 | 2,827 | | 41,259 |
| 15,338 | | | 15,338 | 3,496 | | | 3,496 |
| 14,608 | | | 68,958 | 12,679 | 34,528 | 34,555 | 81,702 |
| 1,651 | | | 1,651 | | | | |
| 5,581 | | | 59,931 | 12,169 | 34,528 | 34,555 | 81,252 |
| 7,376 | | | 7,376 | 510 | | | 510 |
| 978,101 | 42,390 | 1,306 | 3,218,035 | 372,923 | 106,934 | | 479,857 |
| 950,428 | 42,220 | 1,306 | 3,138,989 | 116,593 | 61,257 | | 177,850 |
| 19,154 | 161 | | 70,527 | 9,240 | 45,677 | | 54,917 |
| 8,519 | | | 8,519 | 247,090 | | | 247,090 |
| 647,107 | 1,722 | 628 | 4,965,492 | 544,238 | 21,377 | | 565,615 |
| 647,107 | 1,722 | 628 | 4,065,492 | 544,238 | 21,377 | | 565,615 |
| 42,315 | 19,509 | | 628,200 | 66,463 | 165,453 | | 231,916 |
| 29,138 | 12,958 | | 344,114 | 41,748 | 97,568 | | 139,316 |
| 3,778 | 6,611 | | 274,777 | 21,302 | 67,885 | | 89,187 |
| 9,399 | | | 9,399 | 3,413 | | | 3,413 |
| 133,970 | 62,947 | 1,350 | 5,187,379 | 50,272 | | 25,036 | 75,308 |
| 8 ^a 213 | 29,066 | 1,350 | 4,718,098 | 36,421 | | | 36,421 |
| 143 | 256 | | 14,807 | 1,060 | | | 1,960 |
| 446 | 33,025 | | 493,306 | 3,127 | | 25,036 | 28,163 |
| 15,168 | | | 15,168 | 8,764 | | | 8,764 |
| 165,564 | 169,411 | 1,953 | 18,560,989 | 733,447 | 947,949 | 42 | 1,681,438 |
| 701,025 | 66,980 | 1,136 | 10,348,228 | 609,349 | 683,368 | | 1,292,717 |
| 13,640 | 3,334 | | 541,765 | 2,992 | 58,364 | | 61,356 |
| 135,006 | 24,299 | | 2,073,969 | 8,660 | | | 8,660 |
| 28,009 | 1,500 | | 420,385 | 22,162 | 206,217 | | 228,379 |
| 198,444 | 73,298 | 817 | 5,087,171 | 78,461 | | 42 | 78,503 |
| 89,380 | | | 89,380 | 11,823 | | | 11,823 |
| 185,291 | 38,641 | 171 | 2,051,925 | 182,572 | 8,630 | | 191,202 |
| 80,066 | 38,509 | 171 | 1,935,431 | 73,543 | 7,271 | | 80,814 |
| 59,598 | 132 | | 70,715 | 13,537 | 1,359 | | 14,896 |
| 45,777 | | | 45,777 | 95,492 | | | 95,492 |
| 370,147 | 37,463 | 23 | 2,803,994 | 167,273 | 23,850 | | 191,123 |
| 239,400 | 35,474 | 23 | 2,507,364 | 123,762 | 23,850 | | 147,612 |
| 37,301 | 1,329 | | 102,430 | 10,129 | | | 10,129 |
| 59,290 | 660 | | 160,044 | 32,766 | | | 32,766 |
| 34,156 | | | 34,156 | 616 | | | 616 |
| 32,044 | 4,446 | | 129,467 | 18,643 | 3,169 | | 21,812 |
| 32,044 | 4,446 | | 129,467 | 18,643 | 3,169 | | 21,812 |

^a Includes 2 companies for which no report is made.

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION COMPANIES.
BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | MISCELLANEOUS ASSETS. | | | Total assets admissible under state law. |
|----|-------------------------------------|----------------------------|--|--|--|
| | | Due on subscription notes. | Stock or subscription notes exclusive of premium notes held as capital of the company. | All other assets admissible under state law. | |
| 1 | Iowa..... | | | \$903,692 | \$3,313,508 |
| 2 | Class 1..... | | | 143,218 | 2,968,765 |
| 3 | Class 2..... | | | 50,000 | 92,088 |
| 4 | Class 3..... | | | 500 | 12,420 |
| 5 | Class 4..... | | | 50,358 | 186,785 |
| 6 | Class 5..... | | | 59,616 | 78,450 |
| 7 | Kansas..... | | | 17,834 | 108,554 |
| 8 | Class 3..... | | | 11,771 | 13,422 |
| 9 | Class 4..... | | | 1,034 | 142,217 |
| 10 | Class 5..... | | | 5,029 | 12,015 |
| 11 | Kentucky..... | | \$117,121 | 27,430 | 3,842,452 |
| 12 | Class 1..... | | | 20,430 | 3,843,278 |
| 13 | Class 4..... | | 117,121 | 1,000 | 243,565 |
| 14 | Class 5..... | | | | 255,609 |
| 15 | Louisiana..... | \$49,533 | 300,500 | 108,669 | 5,989,809 |
| 16 | Class 1..... | 49,533 | 300,500 | 108,669 | 5,989,809 |
| 17 | Maine..... | | | 123,568 | 983,774 |
| 18 | Class 1..... | | | 2,150 | 485,580 |
| 19 | Class 3a..... | | | | 363,964 |
| 20 | Class 5..... | | | 121,418 | 184,230 |
| 21 | Maryland..... | | | 1,895,870 | 7,158,566 |
| 22 | Class 1..... | | | 3,730 | 4,758,240 |
| 23 | Class 3..... | | | | 10,767 |
| 24 | Class 4..... | | | 2,558 | 470,027 |
| 25 | Class 5..... | | | 1,889,591 | 1,013,523 |
| 26 | Massachusetts..... | 50,000 | | 1,769,714 | 22,062,141 |
| 27 | Class 1..... | | | 21,659 | 11,662,704 |
| 28 | Class 2..... | 50,000 | | | 653,121 |
| 29 | Class 3..... | | | | 2,082,620 |
| 30 | Class 3a..... | | | | 682,675 |
| 31 | Class 4..... | | | 4,674 | 5,170,348 |
| 32 | Class 5..... | | | 1,709,470 | 1,810,673 |
| 33 | Michigan..... | | | 30,992 | 2,274,110 |
| 34 | Class 1..... | | | 298 | 2,016,545 |
| 35 | Class 3..... | | | 197 | 85,778 |
| 36 | Class 5..... | | | 80,527 | 171,796 |
| 37 | Minnesota..... | | | 71,533 | 3,066,700 |
| 38 | Class 1..... | | | 152 | 2,655,128 |
| 39 | Class 3..... | | | 570 | 113,129 |
| 40 | Class 4..... | | | 62,810 | 255,620 |
| 41 | Class 5..... | | | 8,051 | 42,823 |
| 42 | Mississippi..... | 90,000 | 240,000 | 5,310 | 486,589 |
| 43 | Class 1..... | 90,000 | 240,000 | 5,310 | 486,589 |

INSURANCE.

TION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| Assets not admissible under state law but carried on books as good and collectible. | CONTINGENT ASSETS. | | | | Total ledger assets. | |
|---|--|--|---|--------------|----------------------|----|
| | Net amount of premium and deposit notes subject to assessment. | Net amount of contingent premiums and assessments authorized by charter to pay losses. | Amount of policies subject to assessment where no premium note was given. | Total. | | |
| \$228,848 | \$1,208,897 | ..... | \$61,742,392 | \$63,041,289 | \$66,583,645 | 1 |
| 211,408 | 136,702 | ..... | ..... | 136,702 | 3,175,173 | 2 |
| ..... | 71,000 | ..... | ..... | 71,000 | 228,700 | 3 |
| 17,440 | 975,334 | ..... | ..... | 975,334 | 83,420 | 4 |
| ..... | 115,861 | ..... | 61,742,392 | 61,858,253 | 1,159,559 | 5 |
| ..... | ..... | ..... | ..... | ..... | 61,936,703 | 6 |
| 1,480 | 204,980 | ..... | 944,545 | 1,149,525 | 1,310,568 | 7 |
| ..... | 111,772 | ..... | ..... | 111,772 | 125,194 | 8 |
| 1,480 | 43,278 | ..... | ..... | 43,278 | 186,984 | 9 |
| ..... | 49,930 | ..... | 944,545 | 994,475 | 1,007,390 | 10 |
| 16,832 | 436,980 | ..... | 5,326,241 | 5,763,221 | 9,622,505 | 11 |
| 16,832 | 76,771 | ..... | ..... | 76,771 | 3,360,110 | 12 |
| ..... | 360,209 | ..... | 5,326,241 | 5,686,450 | 320,336 | 13 |
| ..... | ..... | ..... | ..... | ..... | 5,942,059 | 14 |
| 1,000 | ..... | ..... | ..... | ..... | 5,990,809 | 15 |
| 1,000 | ..... | ..... | ..... | ..... | 5,990,809 | 16 |
| 1 | 509,986 | ..... | 89,475 | 593,461 | 1,577,236 | 17 |
| ..... | ..... | ..... | ..... | ..... | 485,580 | 18 |
| 1 | 509,986 | ..... | 89,475 | 593,461 | 363,965 | 19 |
| ..... | ..... | ..... | ..... | ..... | 727,601 | 20 |
| 36,601 | 4,516,906 | ..... | 2,848,411 | 7,365,317 | 14,560,484 | 21 |
| 36,301 | 107,260 | ..... | ..... | 107,260 | 4,794,550 | 22 |
| 300 | 3,506,682 | ..... | ..... | 3,506,682 | 124,327 | 23 |
| ..... | 902,964 | ..... | 2,848,411 | 3,751,375 | 3,976,709 | 24 |
| ..... | ..... | ..... | ..... | ..... | 5,664,898 | 25 |
| 57,285 | 3,769,167 | \$14,027,612 | 160,816 | 17,957,595 | 40,077,021 | 26 |
| 54,914 | ..... | ..... | 160,816 | 160,816 | 11,717,618 | 27 |
| 3,271 | ..... | 10,914,450 | ..... | 10,914,450 | 816,208 | 28 |
| ..... | ..... | ..... | ..... | ..... | 12,997,070 | 29 |
| 100 | 966,095 | 3,113,102 | ..... | 4,079,257 | 682,675 | 30 |
| ..... | 2,803,072 | ..... | ..... | 2,803,072 | 9,249,705 | 31 |
| ..... | ..... | ..... | ..... | ..... | 4,613,745 | 32 |
| 27,061 | 468,085 | ..... | 164,934,826 | 165,402,911 | 167,704,001 | 33 |
| 24,162 | 455,682 | ..... | ..... | 455,682 | 2,040,707 | 34 |
| 2,809 | 12,403 | ..... | 164,934,826 | 164,947,229 | 544,350 | 35 |
| ..... | ..... | ..... | ..... | ..... | 165,119,025 | 36 |
| 179,954 | 780,520 | ..... | 23,979,024 | 24,759,553 | 28,006,207 | 37 |
| 175,642 | 369,308 | ..... | ..... | 369,308 | 2,830,770 | 38 |
| 4,312 | 411,221 | ..... | ..... | 411,221 | 486,740 | 39 |
| ..... | ..... | ..... | 23,979,024 | 23,979,024 | 666,841 | 40 |
| ..... | ..... | ..... | ..... | ..... | 24,021,847 | 41 |
| 2,715 | ..... | ..... | ..... | ..... | 489,304 | 42 |
| 2,715 | ..... | ..... | ..... | ..... | 489,304 | 43 |

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGA-

BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | INVESTMENT ASSETS. | | | | |
|-------------------------------------|----------------------|--|------------------------------------|---------------------------------------|---|------------|
| | | Market value of real estate owned (less all incumbrances). | Stocks and bonds owned absolutely. | Loans— | | |
| | | | | On bonds and mortgages (first liens.) | On collateral security and all other loans. | Total. |
| 1 Missouri | 43 | \$519,861 | \$1,292,268 | \$289,428 | \$186,935 | \$476,363 |
| 2 Class 1 | 4 | 501,000 | 1,151,400 | 200,483 | 167,495 | 367,918 |
| 3 Class 4 | 12 | 18,861 | 140,868 | 88,945 | 19,500 | 108,445 |
| 4 Class 5 | a27 | | | | | |
| 5 Nebraska | 14 | 50,000 | 27,420 | 147,652 | 8,766 | 156,418 |
| 6 Class 1 | 4 | 50,000 | 27,420 | 147,652 | 8,766 | 156,418 |
| 7 Class 5 | 10 | | | | | |
| 8 New Hampshire | 46 | | 1,584,061 | 943,254 | 78,121 | 1,021,375 |
| 9 Class 1 | 69 | | 1,522,929 | 871,799 | 72,026 | 943,825 |
| 10 Class 4 | 7 | | 61,138 | 71,455 | 6,095 | 77,550 |
| 11 Class 5 | 30 | | | | | |
| 12 New Jersey | 37 | 729,069 | 2,505,064 | 3,800,572 | 77,822 | 3,878,394 |
| 13 Class 1 | 10 | 729,469 | 2,440,437 | 3,728,972 | 40,599 | 3,769,571 |
| 14 Class 4 | 16 | 9,200 | 64,627 | 71,600 | 37,223 | 108,823 |
| 15 Class 5 | 17 | | | | | |
| 16 New York | 184 | 8,077,745 | 49,111,573 | 7,309,148 | 2,159,171 | 9,468,319 |
| 17 Class 1 | 57 | 7,934,745 | 39,989,383 | 7,000,039 | 1,559,771 | 8,560,710 |
| 18 Class 3a | 2 | 700,000 | 7,820,089 | | 599,400 | 599,400 |
| 19 Class 4 | 12 | 43,000 | 1,302,101 | 308,209 | | 308,209 |
| 20 Class 5 | b113 | | | | | |
| 21 North Carolina | 3 | 11,380 | 30,807 | 4,070 | 104,302 | 109,272 |
| 22 Class 1 | 3 | 11,380 | 30,807 | 4,070 | 104,302 | 109,272 |
| 23 North Dakota | 5 | | 48,303 | | | |
| 24 Class 1 | 1 | | 48,303 | | | |
| 25 Class 5 | c4 | | | | | |
| 26 Ohio | 136 | 732,439 | 4,778,310 | 2,109,642 | 403,209 | 2,602,851 |
| 27 Class 1 | d29 | 590,420 | 4,040,395 | 1,014,047 | 421,351 | 1,435,398 |
| 28 Class 3 | 4 | | 2,000 | 2,675 | 17,938 | 20,613 |
| 29 Class 4 | d17 | 142,019 | 735,915 | 1,092,920 | 53,920 | 1,146,840 |
| 30 Class 5 | 86 | | | | | |
| 31 Oregon | 6 | 48,245 | 186,684 | 341,147 | 33,764 | 374,911 |
| 32 Class 1 | d6 | 48,245 | 186,684 | 341,147 | 33,764 | 374,911 |
| 33 Pennsylvania | 244 | 3,702,339 | 17,635,024 | 12,567,823 | 2,656,859 | 15,224,682 |
| 34 Class 1 | 42 | 3,638,763 | 17,209,524 | 12,238,085 | 2,650,034 | 14,888,119 |
| 35 Class 3 | 5 | | 77,265 | 1,561 | | 1,561 |
| 36 Class 4 | d19 | 63,576 | 348,235 | 328,177 | 6,825 | 335,002 |
| 37 Class 5 | d178 | | | | | |
| 38 Rhode Island | 20 | 129,900 | 3,312,070 | 303,200 | 20,247 | 323,447 |
| 39 Class 1 | 3 | 129,900 | 1,536,116 | 194,600 | 19,547 | 214,147 |
| 40 Class 3 | 12 | | 1,679,874 | 8,000 | 700 | 8,700 |
| 41 Class 4 | 1 | | 86,080 | 100,600 | | 100,600 |
| 42 Class 5 | 4 | | | | | |

a Includes 4 companies for which no report is made.

b Includes 3 companies for which no report is made.

INSURANCE.

539

TION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889--Continued.

BY STATES--Continued.

| INVESTMENT ASSETS--continued. | | | | PREMIUM ASSETS. | | | | |
|----------------------------------|--|---------------|-------------|---------------------------------------|--|--|-----------|----|
| Cash on hand in office and bank. | Interest due and unpaid and accrued but not due. | Due for rent. | Total. | Premiums in due course of collection. | Bills receivable not matured taken for premiums. | Net amount of calls or assessments on premium or deposit notes or otherwise which are due and collectible. | Total. | |
| \$244,353 | \$11,436 | \$564 | \$2,544,845 | \$132,636 | | | \$132,636 | 1 |
| 146,848 | 5,976 | | 2,173,137 | 130,796 | | | 130,796 | 2 |
| 90,377 | 5,460 | 564 | 364,575 | 1,728 | | | 1,728 | 3 |
| 7,133 | | | 7,133 | 112 | | | 112 | 4 |
| 81,090 | 17,207 | | 332,135 | 56,063 | \$142,444 | | 198,507 | 5 |
| 80,000 | 17,207 | | 331,135 | 44,045 | 142,444 | | 186,480 | 6 |
| 1,000 | | | 1,000 | 12,018 | | | 12,018 | 7 |
| 285,077 | 41,764 | | 2,032,277 | 262,638 | | | 262,638 | 8 |
| 209,940 | 39,147 | | 2,715,835 | 230,298 | | | 230,298 | 9 |
| 48,001 | 2,617 | | 189,306 | 18,861 | | | 18,861 | 10 |
| 27,136 | | | 27,136 | 13,479 | | | 13,479 | 11 |
| 217,027 | 93,592 | 5,966 | 7,429,712 | 176,286 | 470 | \$928 | 177,684 | 12 |
| 175,289 | 89,243 | 5,966 | 7,200,975 | 161,183 | 470 | | 161,653 | 13 |
| 19,509 | 4,349 | | 206,508 | 5,652 | | 928 | 6,580 | 14 |
| 22,229 | | | 22,229 | 9,451 | | | 9,451 | 15 |
| 5,208,003 | 302,369 | 41,630 | 72,809,639 | 3,606,275 | 1,659,050 | | 5,265,331 | 16 |
| 3,147,084 | 285,821 | 41,337 | 50,959,680 | 3,454,880 | 179,120 | | 3,634,000 | 17 |
| 1,805,589 | 2,470 | | 10,927,548 | 17,529 | 1,479,930 | | 1,497,465 | 18 |
| 182,280 | 14,078 | 203 | 1,849,061 | 109,480 | | | 109,480 | 19 |
| 72,450 | | | 72,450 | 24,377 | | | 24,377 | 20 |
| 43,355 | 4,503 | | 109,317 | | | | | 21 |
| 43,355 | 4,503 | | 199,317 | | | | | 22 |
| 52,599 | | | 100,902 | 78 | | | 78 | 23 |
| 51,988 | | | 100,291 | | | | | 24 |
| 611 | | | 611 | 78 | | | 78 | 25 |
| 840,532 | 123,904 | 19,814 | 9,097,850 | 428,681 | 266,930 | 26,324 | 721,944 | 26 |
| 361,354 | 58,492 | 19,814 | 6,565,873 | 294,965 | 46,420 | | 341,385 | 27 |
| 49,407 | 449 | | 72,469 | 15,640 | | | 15,640 | 28 |
| 321,489 | 64,063 | | 2,411,226 | 56,280 | 220,519 | 26,324 | 303,132 | 29 |
| 108,282 | | | 108,282 | 61,787 | | | 61,787 | 30 |
| 73,220 | 16,641 | | 699,701 | 119,145 | 91,183 | 17,917 | 228,245 | 31 |
| 73,220 | 16,641 | | 699,701 | 119,145 | 91,183 | 17,917 | 228,245 | 32 |
| 1,880,973 | 260,202 | 28,562 | 38,731,782 | 1,730,934 | 256,820 | | 1,987,754 | 33 |
| 1,609,174 | 249,460 | 28,437 | 37,623,477 | 1,438,838 | 205,587 | | 1,644,425 | 34 |
| 46,015 | 1,005 | | 125,846 | 5,957 | | | 5,957 | 35 |
| 62,137 | 9,737 | 125 | 818,812 | 171,724 | 51,233 | | 222,957 | 36 |
| 163,647 | | | 163,647 | 114,415 | | | 114,415 | 37 |
| 1,105,052 | 19,353 | 1,485 | 4,891,307 | 185,805 | 53,777 | | 239,582 | 38 |
| 87,339 | 3,107 | 1,485 | 1,972,094 | 164,132 | 53,777 | | 217,909 | 39 |
| 916,122 | 15,347 | | 2,620,043 | 12,379 | | | 12,379 | 40 |
| 20,043 | 809 | | 217,622 | 2,403 | | | 2,403 | 41 |
| 81,548 | | | 81,548 | 6,891 | | | 6,891 | 42 |

c Includes 2 companies for which no report is made.

d Includes 1 company for which no report is made.

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | MISCELLANEOUS ASSETS. | | | Total assets admissible under state law. |
|----|-------------------------------------|----------------------------|--|--|--|
| | | Due on subscription notes. | Stock or subscription notes exclusive of premium notes held as capital of the company. | All other assets admissible under state law. | |
| 1 | Missouri..... | | | \$9,711 | \$2,687,192 |
| 2 | Class 1..... | | | | |
| 3 | Class 4..... | | | 4,597 | 2,308,500 |
| 4 | Class 5..... | | | 41 | 366,344 |
| | | | | 5,103 | 12,348 |
| 5 | Nebraska..... | | \$200,000 | 120,008 | 850,650 |
| 6 | Class 1..... | | 200,000 | 118,455 | 830,079 |
| 7 | Class 5..... | | | 1,553 | 14,571 |
| 8 | New Hampshire..... | | | 12,383 | 3,207,298 |
| 9 | Class 1..... | | | | |
| 10 | Class 4..... | | | 4,658 | 2,050,791 |
| 11 | Class 5..... | | | 1,900 | 210,007 |
| | | | | 5,825 | 40,440 |
| 12 | New Jersey..... | | | 228,508 | 7,835,904 |
| 13 | Class 1..... | | | | |
| 14 | Class 4..... | | | 393 | 7,362,961 |
| 15 | Class 5..... | | | 663 | 213,751 |
| | | | | 227,512 | 259,192 |
| 16 | New York..... | | | 107,161 | 78,182,131 |
| 17 | Class 1..... | | | | |
| 18 | Class 3a..... | | | 28,488 | 63,622,177 |
| 19 | Class 4..... | | | 759 | 12,425,772 |
| 20 | Class 5..... | | | 1,481 | 1,960,922 |
| | | | | 76,433 | 173,260 |
| 21 | North Carolina..... | | 173,885 | 8,426 | 381,628 |
| 22 | Class 1..... | | 173,885 | 8,426 | 381,628 |
| 23 | North Dakota..... | | | | 100,980 |
| 24 | Class 1..... | | | | |
| 25 | Class 5..... | | | | 100,291 |
| | | | | | 689 |
| 26 | Ohio..... | | | 93,287 | 9,913,081 |
| 27 | Class 1..... | | | | |
| 28 | Class 3..... | | | 9,109 | 6,856,367 |
| 29 | Class 4..... | | | | 88,109 |
| 30 | Class 5..... | | | 17,712 | 2,732,070 |
| | | | | 66,466 | 286,535 |
| 31 | Oregon..... | | 223,250 | 65,339 | 1,216,535 |
| 32 | Class 1..... | | 223,250 | 65,339 | 1,216,535 |
| 33 | Pennsylvania..... | | | 7,160,927 | 47,880,463 |
| 34 | Class 1..... | | | | |
| 35 | Class 3..... | | | 136,436 | 39,404,338 |
| 36 | Class 4..... | | | 175 | 131,978 |
| 37 | Class 5..... | | | 40,491 | 1,082,260 |
| | | | | 6,983,825 | 7,261,887 |
| 38 | Rhode Island..... | | | 488,945 | 5,619,834 |
| 39 | Class 1..... | | | | |
| 40 | Class 3..... | | | 1,197 | 2,191,200 |
| 41 | Class 4..... | | | 88,902 | 2,721,324 |
| 42 | Class 5..... | | | | 220,025 |
| | | | | 398,840 | 487,285 |

INSURANCE.

TION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| Assets not admissible under state law but carried on books as good and collectible. | CONTINGENT ASSETS. | | | | Total ledger assets. | |
|---|--|--|---|-------------|----------------------|----|
| | Net amount of premium and deposit notes subject to assessment. | Net amount of contingent premiums and assessments authorized by charter to pay losses. | Amount of policies subject to assessment where no premium note was given. | Total. | | |
| \$752 | \$3,317,795 | | \$4,148,438 | \$7,466,233 | \$10,154,177 | 1 |
| 752 | 3,070,134 | | | 3,070,134 | 2,308,500 | 2 |
| | 247,661 | | 4,148,438 | 4,396,099 | 3,437,230 | 3 |
| | | | | | 4,408,447 | 4 |
| 4,238 | 170,634 | | 850,183 | 1,020,817 | 1,875,705 | 5 |
| 4,238 | 170,634 | | 850,183 | 1,020,817 | 840,317 | 6 |
| | | | | | 1,035,368 | 7 |
| | 640,900 | \$215,334 | 64,264 | 920,498 | 4,127,796 | 8 |
| | | | | | 2,950,791 | 9 |
| | 64,827 | 215,334 | | 280,161 | 490,228 | 10 |
| | 570,073 | | 64,264 | 634,337 | 686,777 | 11 |
| 67,559 | 2,891,680 | | 22,966,915 | 25,858,595 | 33,762,058 | 12 |
| 67,059 | 2,053,540 | | | 2,053,540 | 7,430,020 | 13 |
| 500 | 838,140 | | 22,966,915 | 23,805,055 | 2,267,791 | 14 |
| | | | | | 24,064,247 | 15 |
| 340,073 | 1,702,075 | | 127,139,410 | 128,841,485 | 207,363,089 | 16 |
| 15,623 | | | | | 69,637,800 | 17 |
| 324,000 | | | | | 12,749,772 | 18 |
| 450 | 1,014,804 | | 5,259,420 | 6,305,230 | 8,328,602 | 19 |
| | 687,271 | | 121,788,984 | 122,476,255 | 122,649,515 | 20 |
| 1,300 | | | | | 382,928 | 21 |
| 1,300 | | | | | 382,928 | 22 |
| | | | 342,074 | 342,074 | 443,054 | 23 |
| | | | | | 100,291 | 24 |
| | | | 342,074 | 342,074 | 342,703 | 25 |
| 7,001 | 7,955,200 | 281,175 | 78,110,632 | 86,347,007 | 96,267,069 | 26 |
| 4,905 | 445,457 | 114,444 | | 559,901 | 6,861,272 | 27 |
| 256 | 4,224,108 | 166,731 | | 4,390,839 | 648,266 | 28 |
| 1,840 | 3,285,035 | | 78,110,632 | 81,396,267 | 7,124,749 | 29 |
| | | | | | 81,632,802 | 30 |
| 3,476 | | | | | 1,220,011 | 31 |
| 3,476 | | | | | 1,220,011 | 32 |
| 225,141 | 31,661,735 | 296,050 | 277,530,432 | 309,497,217 | 357,002,821 | 33 |
| 221,885 | 234,994 | 296,050 | 11,854,263 | 12,385,307 | 39,626,223 | 34 |
| 725 | 21,287,991 | | 19,643,849 | 40,931,840 | 12,518,010 | 35 |
| 2,531 | 10,138,750 | | 246,041,320 | 256,180,070 | 42,016,631 | 36 |
| | | | | | 263,441,957 | 37 |
| | 728,196 | 17,071,532 | 34,584,488 | 52,384,216 | 58,004,050 | 38 |
| | | | | | 2,191,200 | 39 |
| | | 15,840,193 | | 15,840,193 | 18,561,517 | 40 |
| | | 1,231,339 | | 1,231,339 | 1,461,364 | 41 |
| | 728,196 | | 34,584,488 | 35,312,684 | 35,799,969 | 42 |

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | INVESTMENT ASSETS. | | | | |
|-------------------------------------|----------------------|--|------------------------------------|---------------------------------------|---|-----------|
| | | Market value of real estate owned (less all incumbrances). | Stocks and bonds owned absolutely. | Loans— | | Total. |
| | | | | On bonds and mortgages (first liens). | On collateral security and all other loans. | |
| 1 South Carolina..... | 3 | \$3,000 | \$54,708 | | \$26,723 | \$26,723 |
| 2 Class 1..... | 1 | | 12,557 | | 26,723 | 26,723 |
| 3 Class 4..... | 1 | 3,000 | 42,151 | | | |
| 4 Class 5..... | 1 | | | | | |
| 5 South Dakota..... | 14 | 36,200 | 62,059 | \$168,881 | 22,200 | 101,081 |
| 6 Class 1..... | a6 | 36,200 | 62,059 | 168,881 | 22,200 | 101,081 |
| 7 Class 5..... | b8 | | | | | |
| 8 Tennessee..... | 15 | 110,941 | 230,469 | 59,838 | 1,121,508 | 1,181,346 |
| 9 Class 1..... | 14 | 110,941 | 230,469 | 59,838 | 1,121,508 | 1,181,346 |
| 10 Class 4..... | c1 | | | | | |
| 11 Texas..... | 3 | 3,000 | 82,468 | 87,687 | 67,824 | 155,511 |
| 12 Class 1..... | 2 | 3,000 | 82,468 | 87,687 | 67,824 | 155,511 |
| 13 Class 4..... | e1 | | | | | |
| 14 Utah..... | 1 | | | | | |
| 15 Class 1..... | e1 | | | | | |
| 16 Vermont..... | 3 | 45,000 | | | 6,993 | 6,993 |
| 17 Class 1..... | 1 | | | | 6,993 | 6,993 |
| 18 Class 4..... | 2 | 45,000 | | | | |
| 19 Virginia..... | 22 | 223,019 | 462,492 | 391,684 | 543,387 | 935,071 |
| 20 Class 1..... | 8 | 221,519 | 375,342 | 391,684 | 543,387 | 935,071 |
| 21 Class 4..... | 3 | 1,500 | 87,150 | | | |
| 22 Class 5..... | a11 | | | | | |
| 23 Washington..... | 6 | 37,500 | | | 20,000 | 20,000 |
| 24 Class 1..... | b6 | 37,500 | | | 20,000 | 20,000 |
| 25 West Virginia..... | 11 | 116,369 | 409,475 | 46,477 | 125,010 | 171,487 |
| 26 Class 1..... | a9 | 116,369 | 405,875 | 46,477 | 125,010 | 171,487 |
| 27 Class 4..... | 1 | | 3,600 | | | |
| 28 Class 5..... | 1 | | | | | |
| 29 Wisconsin..... | 189 | 51,050 | 1,646,150 | 1,861,890 | 60,779 | 1,922,669 |
| 30 Class 1..... | 4 | 51,050 | 1,640,000 | 1,861,890 | 60,350 | 1,922,240 |
| 31 Class 3..... | 2 | | 5,250 | | 429 | 429 |
| 32 Class 4..... | 2 | | 900 | | | |
| 33 Class 5..... | c181 | | | | | |
| 34 Foreign..... | 73 | 5,119,009 | 32,215,243 | 3,737,900 | 111,000 | 3,848,900 |
| 35 Class 1..... | a73 | 5,119,009 | 32,215,243 | 3,737,900 | 111,000 | 3,848,900 |

a Includes 1 company for which no report is made.
 b Includes 2 companies for which no report is made.

c Only 1 company reported, and that too incompletely to tabulate.

ION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INVESTMENT ASSETS—continued. | | | | PREMIUM ASSETS. | | | |
|----------------------------------|--|---------------|------------|---------------------------------------|--|--|--------|
| Cash on hand in office and bank. | Interest due and unpaid and accrued but not due. | Due for rent. | Total. | Premiums in due course of collection. | Bills receivable not matured taken for premiums. | Net amount of calls or assessments on premium or deposit notes or otherwise which are due and collectible. | Total. |
| \$54,304 | \$190 | | \$139,015 | | | | 1 |
| 8,276 | 190 | | 47,746 | | | | 2 |
| 32,834 | | | 77,985 | | | | 3 |
| 13,284 | | | 13,284 | | | | 4 |
| 100,828 | 24,519 | | 423,087 | \$26,373 | \$115,501 | | 5 |
| 100,293 | 24,519 | | 423,152 | 25,915 | 115,501 | | 6 |
| 535 | | | 535 | 458 | | | 7 |
| 83,712 | 29,330 | \$1,210 | 1,046,008 | 104,237 | 47,623 | | 8 |
| 83,712 | 29,330 | 1,210 | 1,046,008 | 104,237 | 47,623 | | 9 |
| | | | | | | | 10 |
| 83,216 | 6,753 | | 330,948 | | 23,856 | | 11 |
| 83,216 | 6,753 | | 330,948 | | 23,856 | | 12 |
| | | | | | | | 13 |
| | | | | | | | 14 |
| | | | | | | | 15 |
| 23,505 | 1,500 | | 76,998 | 3,926 | 95,844 | \$103,588 | 16 |
| 2,201 | 750 | | 9,944 | 3,926 | 95,844 | | 17 |
| 21,304 | 750 | | 67,054 | | | 163,588 | 18 |
| 174,330 | 11,357 | 1,068 | 1,807,346 | 117,280 | 18,629 | | 19 |
| 144,434 | 9,417 | 1,068 | 1,686,851 | 73,952 | 18,629 | | 20 |
| 21,187 | 1,940 | | 111,777 | 43,328 | | | 21 |
| 8,718 | | | 8,718 | | | | 22 |
| 6,118 | 13,858 | | 77,476 | 17,980 | 1,300 | | 23 |
| 6,118 | 13,858 | | 77,476 | 17,980 | 1,300 | | 24 |
| 32,736 | 7,900 | 7 | 737,974 | 83,250 | 1,932 | | 25 |
| 31,744 | 7,900 | 7 | 733,382 | 83,250 | 1,932 | | 26 |
| 653 | | | 4,253 | | | | 27 |
| 339 | | | 339 | | | | 28 |
| 547,211 | 44,608 | | 4,211,688 | 185,245 | 7,029 | | 29 |
| 340,315 | 44,433 | | 3,988,038 | 137,807 | 7,029 | | 30 |
| 26,906 | 175 | | 22,780 | 22,087 | | | 31 |
| 19,685 | | | 20,535 | 11,477 | | | 32 |
| 160,355 | | | 160,355 | 13,814 | | | 33 |
| 3,459,885 | 210,103 | 39,799 | 44,892,989 | 4,283,674 | 69,281 | | 34 |
| 3,459,885 | 210,103 | 39,799 | 44,892,989 | 4,283,674 | 69,281 | | 35 |

d Includes 3 companies for which no report is made.

e Includes 6 companies for which no report is made.

TABLE 2.—SUMMARY OF ASSETS OF THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | MISCELLANEOUS ASSETS. | | | Total assets admissible under state law. |
|----|-------------------------------------|----------------------------|--|--|--|
| | | Due on subscription notes. | Stock or subscription notes exclusive of premium notes held as capital of the company. | All other assets admissible under state law. | |
| 1 | South Carolina..... | | | | \$139, 015 |
| 2 | Class 1..... | | | | 47, 740 |
| 3 | Class 4..... | | | | 77, 985 |
| 4 | Class 5..... | | | | 13, 284 |
| 5 | South Dakota..... | | | \$115, 520 | 681, 081 |
| 6 | Class 1..... | | | 115, 520 | 680, 088 |
| 7 | Class 5..... | | | | 993 |
| 8 | Tennessee..... | | \$663, 418 | 24, 615 | 2, 545, 901 |
| 9 | Class 1..... | | 663, 418 | 24, 615 | 2, 545, 901 |
| 10 | Class 4..... | | | | |
| 11 | Texas..... | | | 12, 988 | 367, 792 |
| 12 | Class 1..... | | | 12, 988 | 367, 792 |
| 13 | Class 4..... | | | | |
| 14 | Utah..... | | | | |
| 15 | Class 1..... | | | | |
| 16 | Vermont..... | | | 47, 440 | 387, 796 |
| 17 | Class 1..... | | | 47, 440 | 157, 154 |
| 18 | Class 4..... | | | | 230, 642 |
| 19 | Virginia..... | | 191, 552 | 1, 236, 718 | 3, 371, 625 |
| 20 | Class 1..... | | 191, 552 | 290, 401 | 2, 261, 385 |
| 21 | Class 4..... | | | | 111, 777 |
| 22 | Class 5..... | | | 946, 317 | 998, 363 |
| 23 | Washington..... | \$293, 000 | | 4, 900 | 394, 656 |
| 24 | Class 1..... | 293, 000 | | 4, 900 | 394, 650 |
| 25 | West Virginia..... | | 225, 000 | 57, 313 | 1, 105, 469 |
| 26 | Class 1..... | | 225, 000 | 52, 313 | 1, 095, 877 |
| 27 | Class 4..... | | | | 4, 253 |
| 28 | Class 5..... | | | 5, 000 | 5, 339 |
| 29 | Wisconsin..... | | | 209, 507 | 4, 613, 469 |
| 30 | Class 1..... | | | 2, 852 | 4, 145, 786 |
| 31 | Class 3..... | | | 7, 374 | 62, 221 |
| 32 | Class 4..... | | | 2, 050 | 34, 062 |
| 33 | Class 5..... | | | 197, 231 | 371, 400 |
| 34 | Foreign..... | | | 67, 253 | 49, 313, 147 |
| 35 | Class 1..... | | | 67, 253 | 49, 313, 147 |

INSURANCE.

545

ION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| Assets not admissible under state law but carried on books as good and col- lectible. | CONTINGENT ASSETS. | | | | Total ledger assets. | |
|--|--|---|---|-------------|-------------------------|----|
| | Net amount of premi- um and deposit notes subject to assessment. | Net amount of contingent pre- miums and assess- ments authorized by charter to pay losses. | Amount of policies subject to assessment where no premium note was given. | Total. | | |
| | | | \$818,775 | \$818,775 | \$957,700 | 1 |
| | | | | | 47,746 | 2 |
| | | | | | 77,985 | 3 |
| | | | 818,775 | 818,775 | 832,050 | 4 |
| \$7,211 | | | 595,504 | 595,504 | 1,283,886 | 5 |
| 7,211 | | | | | 687,299 | 6 |
| | | | 595,504 | 595,504 | 596,587 | 7 |
| 5,035 | | | | | 2,550,936 | 8 |
| 5,035 | | | | | 2,550,936 | 9 |
| | | | | | | 10 |
| 2,064 | | | | | 369,856 | 11 |
| 2,064 | | | | | 369,856 | 12 |
| | | | | | | 13 |
| | | | | | | 14 |
| | | | | | | 15 |
| 2,952 | \$3,493,075 | | | 3,493,075 | 3,883,823 | 16 |
| | | | | | 157,151 | 17 |
| 2,952 | 3,493,075 | | | 3,493,075 | 3,726,669 | 18 |
| 45,770 | 946,417 | | 25,841,103 | 26,787,520 | 30,204,815 | 19 |
| 45,770 | 946,417 | | | | 2,307,155 | 20 |
| | | | 3,793,739 | 4,740,156 | 4,851,933 | 21 |
| | | | 22,047,364 | 22,047,364 | 23,045,727 | 22 |
| 5,775 | | | | | 400,431 | 23 |
| 5,775 | | | | | 400,431 | 24 |
| 1,350 | 93,534 | | | 93,534 | 1,200,353 | 25 |
| 1,350 | | | | | 1,097,227 | 26 |
| | 97,534 | | | 97,534 | 41,787 | 27 |
| | 56,000 | | | 56,000 | 61,339 | 28 |
| 1,323 | 3,696,874 | | 112,748,289 | 116,445,163 | 121,059,955 | 29 |
| | | | | | 4,145,786 | 30 |
| | 312,571 | | | 312,571 | 374,792 | 31 |
| 1,323 | 305,247 | | | 305,247 | 340,632 | 32 |
| | 3,079,056 | | 112,748,289 | 115,827,345 | 116,198,745 | 33 |
| | | | | | 49,313,147 | 34 |
| | | | | | 49,313,147 | 35 |

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND
BY CLASSES.

| CLASSES AND STATES AND TERRITORIES. | Number of companies. | INSURANCE LIABILITIES. | | | | | |
|-------------------------------------|----------------------|--------------------------------------|-----------------------------|-----------------------|----------------------|-------------------------|---------------------------------|
| | | Unpaid losses and claims for losses. | | | | Unearned premiums— | |
| | | Unpaid fire losses. | Unpaid ocean marine losses. | Unpaid inland losses. | Total unpaid losses. | On fire risks in force. | On ocean marine risks in force. |
| 1 Total | a1,926 | \$13,630,553 | \$1,049,039 | \$54,196 | \$14,733,788 | \$91,747,006 | \$1,570,896 |
| 2 Class 1..... | 434 | 10,624,060 | 895,692 | 54,196 | 11,573,948 | 82,232,792 | 1,216,815 |
| 3 Class 2..... | 3 | 10,583 | 23,500 | | 34,083 | 80,239 | 55,217 |
| 4 Class 3..... | 51 | 201,267 | 6,060 | | 207,267 | 2,841,737 | |
| 5 Class 3a..... | 5 | 1,031,976 | 123,847 | | 1,755,823 | 1,357,821 | 298,864 |
| 6 Class 4..... | 152 | 726,549 | | | 726,549 | 5,234,417 | |
| 7 Class 5..... | 1,281 | 436,118 | | | 436,118 | | |

BY STATES.

| | | | | | | | |
|------------------------------|--------|------------|-----------|--------|------------|------------|-----------|
| 8 Total | a1,926 | 13,630,553 | 1,049,039 | 54,196 | 14,733,788 | 91,747,006 | 1,570,896 |
| 9 Alabama..... | 7 | 29,961 | | | 29,961 | 162,414 | |
| 10 Class 1..... | 7 | 29,961 | | | 29,961 | 162,414 | |
| 11 Arkansas..... | 1 | | | | | 8,264 | |
| 12 Class 1..... | 1 | | | | | 8,264 | |
| 13 California..... | 11 | 386,138 | 62,474 | 6,361 | 454,973 | 2,841,621 | 88,951 |
| 14 Class 1..... | 11 | 386,138 | 62,474 | 6,361 | 454,973 | 2,841,621 | 88,951 |
| 15 Colorado..... | 1 | 1,148 | | | 1,148 | 46,286 | |
| 16 Class 1..... | 1 | 1,148 | | | 1,148 | 46,286 | |
| 17 Connecticut..... | 27 | 990,311 | | | 990,311 | 8,485,163 | 7,732 |
| 18 Class 1..... | 10 | 978,040 | | | 978,040 | 8,446,332 | 7,732 |
| 19 Class 4..... | 1 | 8,425 | | | 8,425 | 38,771 | |
| 20 Class 5..... | 16 | 3,846 | | | 3,846 | | |
| 21 Delaware..... | 6 | 15,878 | | | 15,878 | 10,394 | |
| 22 Class 4..... | 3 | 15,878 | | | 15,878 | 10,394 | |
| 23 Class 5..... | 3 | | | | | | |
| 24 District of Columbia..... | 13 | 7,081 | | | 7,081 | 102,637 | |
| 25 Class 1..... | 11 | 7,081 | | | 7,081 | 100,903 | |
| 26 Class 4..... | 2 | | | | | 1,734 | |
| 27 Georgia..... | 9 | 39,574 | | | 39,574 | 404,942 | |
| 28 Class 1..... | 77 | 33,360 | | | 33,360 | 286,532 | |
| 29 Class 3..... | 1 | | | | | | |
| 30 Class 4..... | 1 | 6,214 | | | 6,214 | 118,410 | |
| 31 Illinois..... | 214 | 367,651 | | | 367,651 | 3,388,006 | |
| 32 Class 1..... | 8 | 184,469 | | | 184,469 | 2,849,948 | |
| 33 Class 3..... | 8 | 80,703 | | | 80,703 | 250,567 | |
| 34 Class 4..... | 611 | 97,291 | | | 97,291 | 287,491 | |
| 35 Class 5..... | 6187 | 5,188 | | | 5,188 | | |

a Includes 54 companies for which no report is made.

INSURANCE.

NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889.

BY CLASSES.

| INSURANCE LIABILITIES—continued. | | | | | DIVIDEND AND PROFIT ACCOUNT. | | | | | |
|----------------------------------|--------------------------|---|--|---|--|---|--|---|--|---|
| Unearned premiums—Continued. | | Amount reclaimable by the assured on perpetual fire insurance policies (being 95 per cent of the deposit received). | Net premium reserve and all other liabilities except capital under life insurance or any other special department. | Unearned balance of bills and notes taken in advance for premiums on ocean marine and inland policies and returnable in settlement. | Cash dividends to stockholders remaining unpaid. | Principal unpaid on scrip or certificates of profits authorized to be redeemed. | Interest on scrip due and declared remaining unpaid. | Due and to become due for cash premiums returnable as profit on surrendered or terminated policies. | Total liabilities on account of dividends and profits. | |
| On inland risks in force. | Total unearned premiums. | | | | | | | | | |
| \$795,485 | \$94,113,387 | \$8,075,804 | \$235,141 | \$26,707 | \$103,049 | \$374,919 | \$148,989 | \$352,829 | \$979,786 | 1 |
| 795,340 | 84,244,947 | 7,739,574 | 235,141 | 26,707 | 102,952 | 73,008 | 120,463 | 30,435 | 326,858 | 2 |
| | 135,456 | | | | 97 | | | 2,864 | 2,061 | 3 |
| | 2,841,737 | | | | | 309 | | 24,217 | 24,526 | 4 |
| | 1,059,985 | | | | | 207,923 | 28,209 | | 235,832 | 5 |
| 145 | 5,294,562 | 330,230 | | | | 93,979 | 317 | 295,313 | 389,009 | 6 |
| | | | | | | | | | | 7 |

BY STATES.

| | | | | | | | | | | |
|---------|------------|-----------|---------|--------|---------|---------|---------|---------|---------|----|
| 795,485 | 94,113,387 | 8,075,804 | 235,141 | 26,707 | 103,049 | 374,919 | 148,989 | 352,829 | 979,786 | 8 |
| | | | | | | | | | | |
| | 7 | 162,421 | | | | | 1,170 | | 1,170 | 9 |
| | 7 | 162,421 | | | | | 1,170 | | 1,170 | 10 |
| | | 8,264 | | | | | | | | 11 |
| | | 8,264 | | | | | | | | 12 |
| 98,205 | 3,028,777 | | | 18,023 | | | 253 | | 253 | 13 |
| 98,205 | 3,028,777 | | | 18,023 | | | 253 | | 253 | 14 |
| | | 46,286 | | | | | | | | 15 |
| | | 46,286 | | | | | | | | 16 |
| 39,290 | 8,532,125 | 24,218 | | | | | | | | 17 |
| 39,290 | 8,493,354 | 24,218 | | | | | | | | 18 |
| | 38,771 | | | | | | | | | 19 |
| | | | | | | | | | | 20 |
| | | | | | | | | 1,134 | 1,134 | 21 |
| | | | | | | | | 1,134 | 1,134 | 22 |
| | | | | | | | | | | 23 |
| | | | | | | | | 274,775 | 274,775 | 24 |
| | | | | | | | | | | 25 |
| | | | | | | | | 274,775 | 274,775 | 26 |
| | | | | | | | | | | 27 |
| | | | | | | 88,490 | | | 88,490 | 27 |
| | | | | | | 1,033 | | | 1,033 | 28 |
| | | | | | | 86,866 | | | 86,866 | 29 |
| | | | | | | | | | | 30 |
| | | | | | | | 9,247 | | 9,247 | 31 |
| | | | | | | | 8,930 | | 8,930 | 32 |
| | | | | | | | 817 | | 817 | 33 |
| | | | | | | | | | | 34 |
| | | | | | | | | | | 35 |

b Includes 1 company for which no report is made.

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY CLASSES—Continued.

| CLASSES AND STATES AND TERRITORIES. | MISCELLANEOUS LIABILITIES. | | | | | Total Liabilities exclusive of capital, scrip, and premium notes. |
|-------------------------------------|---|-------------------------------------|---|---|--|---|
| | Due and to become due for borrowed money, including interest. | Due and to become due for salaries. | Due and to become due for commissions and brokerage and all other sums due to agents. | Due for rent, taxes, and all other expenses not previously specified. | All other debts and demands against the companies. | |
| 1 Total..... | \$1,345,041 | \$97,893 | \$1,549,228 | \$414,077 | \$6,663,252 | \$128,234,104 |
| 2 Class 1..... | 955,350 | 64,966 | 1,523,622 | 349,860 | 2,213,915 | 109,284,888 |
| 3 Class 2..... | 5,000 | | 7,088 | | 441 | 185,029 |
| 4 Class 3..... | 29,502 | 3,184 | 317 | 55,248 | 36,383 | 3,198,164 |
| 5 Class 3a..... | | 1,000 | 500 | 214 | 196,742 | 3,840,796 |
| 6 Class 4..... | 325,189 | 28,743 | 17,701 | 8,755 | 395,054 | 7,462,392 |
| 7 Class 5..... | | | | | 3,820,717 | 4,256,835 |

BY STATES—Continued.

| | | | | | | |
|------------------------------|-----------|--------|-----------|---------|-----------|-------------|
| 8 Total..... | 1,345,041 | 97,893 | 1,549,228 | 414,077 | 6,663,252 | 128,234,104 |
| 9 Alabama..... | 2,232 | | | 139,598 | 20,293 | 355,675 |
| 10 Class 1..... | 2,232 | | | 139,598 | 20,293 | 355,675 |
| 11 Arkansas..... | | | | | 5,000 | 13,264 |
| 12 Class 1..... | | | | | 5,000 | 13,264 |
| 13 California..... | | | 85,050 | 1,067 | 41,618 | 3,629,761 |
| 14 Class 1..... | | | 85,050 | 1,067 | 41,618 | 3,629,761 |
| 15 Colorado..... | | 607 | 526 | | 4,000 | 52,567 |
| 16 Class 1..... | | 607 | 526 | | 4,000 | 52,567 |
| 17 Connecticut..... | | 1,300 | 229,990 | 517 | 549,556 | 10,328,017 |
| 18 Class 1..... | | 1,300 | 229,990 | | 322,074 | 10,048,976 |
| 19 Class 4..... | | | | 517 | | 47,713 |
| 20 Class 5..... | | | | | 227,482 | 291,328 |
| 21 Delaware..... | 22,500 | 104 | | | 700 | 50,710 |
| 22 Class 4..... | 22,500 | 104 | | | | 50,010 |
| 23 Class 5..... | | | | | 700 | 700 |
| 24 District of Columbia..... | | | 42 | 200 | | 384,735 |
| 25 Class 1..... | | | 42 | 200 | | 108,220 |
| 26 Class 4..... | | | | | | 276,509 |
| 27 Georgia..... | 7,510 | 400 | | 55 | 108,587 | 640,576 |
| 28 Class 1..... | 7,510 | 400 | | 55 | 26,919 | 366,418 |
| 29 Class 3..... | | | | | | |
| 30 Class 4..... | | | | | 81,668 | 293,158 |
| 31 Illinois..... | 15,000 | 5,232 | 41,994 | 7,078 | 138,282 | 3,972,490 |
| 32 Class 1..... | | | 41,059 | 7,078 | 90,293 | 3,181,777 |
| 33 Class 3..... | | 17 | 317 | | 43,285 | 364,889 |
| 34 Class 4..... | 15,000 | 5,215 | 618 | | 958 | 406,890 |
| 35 Class 5..... | | | | | 13,746 | 18,934 |

a Includes premium notes.

INSURANCE.

549

GATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY CLASSES—Continued.

| CAPITAL AND SCRIP LIABILITIES. | | CONTINGENT LIABILITIES ON POLICIES IN FORCE. | | | | Total ledger liabilities. | Policy holders' surplus. | Surplus over all liabilities. | |
|--|----------------------------------|---|--|--|---------------------------------|---------------------------|--------------------------|-------------------------------|---|
| Joint stock or guarantee capital actually paid up in cash. | Out-standing scrip not redeemed. | Net pre-mium and deposit notes subject to assessment. | Net con-tingent pre-miums and assess-ments authorized by char-ter to pay losses. | Policies or insurance sub-ject to assessment where no pre-mium notes were given. | Total con-tingent liabil-ities. | | | | |
| \$99,956,027 | \$9,578,065 | \$59,824,256 | \$32,028,205 | \$1,064,860,146 | \$1,150,712,607 | \$1,388,480,803 | \$1,352,225,196 | \$91,978,497 | 1 |
| 99,014,439 | 1,442,638 | 171,592 | ..... | ..... | 171,592 | 209,013,557 | 167,752,962 | 67,124,293 | 2 |
| 300,000 | 156,272 | 136,702 | ..... | 100,816 | 297,518 | 938,819 | 859,969 | 100,179 | 3 |
| ..... | 34,124 | 4,776,136 | 27,301,639 | 11,854,263 | 43,932,038 | 47,164,326 | 46,851,857 | 2,885,095 | 4 |
| 50,000 | 7,827,910 | ..... | ..... | ..... | ..... | 11,724,700 | 9,949,616 | 2,071,706 | 5 |
| 591,588 | 117,121 | 48,739,826 | 4,726,566 | 28,788,014 | 82,254,406 | 90,425,507 | 96,975,120 | 8,012,611 | 6 |
| ..... | ..... | ..... | ..... | 1,024,057,053 | 1,024,057,053 | 1,028,313,888 | 1,035,835,666 | 11,778,613 | 7 |

BY STATES—Continued.

| | | | | | | | | | |
|------------|-----------|------------|------------|---------------|---------------|---------------|---------------|------------|----|
| 99,956,027 | 9,578,065 | 59,824,256 | 32,028,205 | 1,064,860,146 | 1,150,712,607 | 1,388,480,803 | 1,352,225,196 | 91,978,497 | 8 |
| 850,000 | ..... | ..... | ..... | ..... | ..... | 1,205,675 | 1,016,354 | 166,354 | 9 |
| 850,000 | ..... | ..... | ..... | ..... | ..... | 1,205,675 | 1,016,354 | 166,354 | 10 |
| 50,000 | ..... | ..... | ..... | ..... | ..... | 63,264 | 55,827 | 5,827 | 11 |
| 50,000 | ..... | ..... | ..... | ..... | ..... | 63,264 | 55,827 | 5,827 | 12 |
| 6,150,000 | ..... | ..... | ..... | ..... | ..... | 9,770,761 | 7,190,634 | 1,040,634 | 13 |
| 6,150,000 | ..... | ..... | ..... | ..... | ..... | 9,770,761 | 7,190,634 | 1,040,634 | 14 |
| 200,000 | ..... | ..... | ..... | ..... | ..... | 252,567 | 233,306 | 33,306 | 15 |
| 200,000 | ..... | ..... | ..... | ..... | ..... | 252,567 | 233,306 | 33,306 | 16 |
| 10,950,000 | ..... | 178,752 | ..... | 5,935,147 | 6,113,899 | 27,391,016 | 27,015,925 | 9,952,026 | 17 |
| 10,950,000 | ..... | 178,752 | ..... | ..... | 178,752 | 20,998,076 | 19,648,130 | 8,698,130 | 18 |
| ..... | ..... | ..... | ..... | 5,935,147 | 5,935,147 | 226,465 | 204,077 | 25,925 | 19 |
| ..... | ..... | ..... | ..... | ..... | ..... | 6,100,475 | 7,163,118 | 1,227,971 | 20 |
| ..... | ..... | 1,908,757 | ..... | 1,752,515 | 3,661,272 | 3,711,982 | 4,075,254 | 413,982 | 21 |
| ..... | ..... | 1,908,757 | ..... | ..... | 1,908,757 | 1,958,767 | 2,297,218 | 388,401 | 22 |
| ..... | ..... | ..... | ..... | 1,752,515 | 1,752,515 | 1,753,215 | 1,778,036 | 25,521 | 23 |
| 1,200,500 | ..... | 2,164,481 | ..... | ..... | 2,164,481 | 3,749,716 | 4,361,346 | 606,365 | 24 |
| 1,200,500 | ..... | ..... | ..... | ..... | ..... | 1,308,736 | 2,150,651 | 950,151 | 25 |
| ..... | ..... | 2,164,481 | ..... | ..... | 2,164,481 | 2,440,690 | 2,210,695 | 46,214 | 26 |
| 1,203,900 | 2,000 | ..... | 25,760 | ..... | 25,760 | 1,881,245 | 2,223,347 | 991,678 | 27 |
| 1,203,900 | 2,000 | ..... | 25,760 | ..... | 25,760 | 1,562,318 | 1,518,298 | 312,368 | 28 |
| ..... | ..... | ..... | ..... | ..... | ..... | 25,760 | 30,439 | 4,670 | 29 |
| ..... | ..... | ..... | ..... | ..... | ..... | 293,158 | 674,610 | 674,610 | 30 |
| 2,023,800 | 28,245 | 4,281,019 | 110,733 | 59,815,458 | 64,207,210 | 70,231,745 | 68,004,768 | 1,745,513 | 31 |
| 2,023,800 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 32 |
| ..... | 28,245 | 2,539,174 | 110,733 | ..... | 2,643,907 | 3,205,577 | 3,100,402 | 1,076,602 | 33 |
| ..... | ..... | 1,747,845 | ..... | ..... | 1,747,845 | 3,037,041 | 3,023,540 | 351,188 | 34 |
| ..... | ..... | ..... | ..... | 59,815,458 | 59,815,458 | 2,154,735 | 1,868,511 | 120,666 | 35 |
| ..... | ..... | ..... | ..... | ..... | ..... | 59,834,392 | 60,012,515 | 197,057 | 36 |

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | Number of companies. | INSURANCE LIABILITIES. | | | | | |
|----|-------------------------------------|----------------------|--------------------------------------|-----------------------------|-----------------------|----------------------|-------------------------|---------------------------------|
| | | | Unpaid losses and claims for losses. | | | | Uncarned premiums— | |
| | | | Unpaid fire losses. | Unpaid ocean marine losses. | Unpaid inland losses. | Total unpaid losses. | On fire risks in force. | On ocean marine risks in force. |
| 1 | Indiana..... | 71 | \$7,673 | | | \$7,673 | \$88,690 | |
| 2 | Class 1..... | a6 | 5,000 | | | 5,000 | 50,078 | |
| 3 | Class 3..... | a3 | 2,173 | | | 2,173 | 16,374 | |
| 4 | Class 4..... | 2 | 400 | | | 400 | 22,238 | |
| 5 | Class 5..... | b60 | 100 | | | 100 | | |
| 6 | Iowa..... | 144 | 100,414 | | | 100,414 | 1,304,827 | |
| 7 | Class 1..... | 10 | 76,157 | | | 76,157 | 1,304,177 | |
| 8 | Class 2..... | 1 | 10,583 | | | 10,583 | | |
| 9 | Class 3..... | 1 | | | | | | |
| 10 | Class 4..... | 5 | 10,411 | | | 10,411 | 650 | |
| 11 | Class 5..... | 127 | 3,263 | | | 3,263 | | |
| 12 | Kansas..... | 14 | 18,779 | | | 18,779 | 6,369 | |
| 13 | Class 3..... | 1 | 4,000 | | | 4,000 | 6,369 | |
| 14 | Class 4..... | 2 | 14,779 | | | 14,779 | | |
| 15 | Class 5..... | 11 | | | | | | |
| 16 | Kentucky..... | 20 | 65,660 | | \$14,515 | 80,175 | 476,215 | |
| 17 | Class 1..... | 12 | 61,405 | | 14,515 | 75,920 | 467,393 | |
| 18 | Class 4..... | 3 | 4,255 | | | 4,255 | 8,822 | |
| 19 | Class 5..... | 5 | | | | | | |
| 20 | Louisiana..... | 16 | 232,454 | \$21,921 | 656 | 255,031 | 907,570 | |
| 21 | Class 1..... | a16 | 232,454 | 21,921 | 656 | 255,031 | 907,570 | |
| 22 | Maine..... | 32 | 5,104 | 95,210 | | 100,314 | | \$261,526 |
| 23 | Class 1..... | 2 | | 54,260 | | 54,260 | | 126,526 |
| 24 | Class 3a..... | 1 | | 40,950 | | 40,950 | | 135,000 |
| 25 | Class 5..... | a29 | 5,104 | | | 5,104 | | |
| 26 | Maryland..... | 32 | 80,528 | | | 80,528 | 475,268 | |
| 27 | Class 1..... | 14 | 49,192 | | | 49,192 | 460,799 | |
| 28 | Class 3..... | 1 | 6,750 | | | 6,750 | 1,078 | |
| 29 | Class 4..... | 10 | 19,233 | | | 19,233 | 13,391 | |
| 30 | Class 5..... | 7 | 5,353 | | | 5,353 | | |
| 31 | Massachusetts..... | 67 | 442,000 | 271,870 | | 713,870 | 5,506,285 | 735,979 |
| 32 | Class 1..... | 15 | 376,583 | 218,370 | | 594,953 | 2,339,921 | 552,556 |
| 33 | Class 2..... | 2 | | 23,500 | | 23,500 | 80,239 | 55,217 |
| 34 | Class 3..... | 8 | 4,178 | | | 4,178 | 1,093,171 | |
| 35 | Class 3a..... | 2 | | 30,000 | | 30,000 | | 128,206 |
| 36 | Class 4..... | 21 | 54,637 | | | 54,637 | 1,992,654 | |
| 37 | Class 5..... | 19 | 6,602 | | | 6,602 | | |
| 38 | Michigan..... | 66 | 150,329 | | 10,276 | 160,605 | 419,253 | 4,269 |
| 39 | Class 1..... | 3 | 41,822 | | 10,276 | 52,098 | 392,721 | 4,269 |
| 40 | Class 3..... | 3 | 20,208 | | | 20,208 | 26,532 | |
| 41 | Class 5..... | 60 | 88,299 | | | 88,299 | | |
| 42 | Minnesota..... | 94 | 122,344 | 6,000 | | 128,344 | 872,425 | |
| 43 | Class 1..... | 4 | 80,208 | | | 80,208 | 739,014 | |
| 44 | Class 3..... | 2 | 17,543 | 6,000 | | 23,543 | 69,754 | |
| 45 | Class 4..... | 2 | 24,472 | | | 24,472 | 63,657 | |
| 46 | Class 5..... | c80 | 121 | | | 121 | | |

a Includes 1 company for which no report is made.

b Includes 6 companies for which no report is made.

INSURANCE.

GATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INSURANCE LIABILITIES—continued. | | | | DIVIDEND AND PROFIT ACCOUNT. | | | | | |
|----------------------------------|--------------------------|--|--|--|---|---|--|---|---|
| Unearned premiums—Continued. | | Amount re-claimable by the assured on perpetual fire insurance policies (being 95 per cent of the deposit received). | Net premi-um reserve and all other liabil-ities except capital un-der life insurance or any other special de-partment. | Unearned balance of bills and notes taken in advance for premi-ums on ocean ma-rine and in-land poli-cies and returnable in settle-ment. | Cash dividends to stock-holders remain-ing un-paid. | Principal unpaid on scrip or certificates of profits authorized to be redeemed. | Interest on scrip due and declared remaining unpaid. | Due and to become due for cash premiums returnable as profit on surrendered or termi-nated poli-cies. | Total liabilities on account of divi-dends and profits. |
| On inland risks in force. | Total unearned premiums. | | | | | | | | |
| | \$88,690 | | | | | | | | 1 |
| | 50,078 | | | | | | | | 2 |
| | 16,374 | | | | | | | | 3 |
| | 22,238 | | | | | | | | 4 |
| | | | | | | | | | 5 |
| | 1,304,827 | | | | | | | | 6 |
| | 1,304,177 | | | | | | | | 7 |
| | 650 | | | | | | | | 8 |
| | | | | | | | | | 9 |
| | | | | | | | | | 10 |
| | | | | | | | | | 11 |
| | 6,369 | | | | | | | | 12 |
| | 6,369 | | | | | | | | 13 |
| | | | | | | | | | 14 |
| | | | | | | | | | 15 |
| \$30,284 | 500,499 | | | | | \$4,747 | | \$4,747 | 16 |
| 30,284 | 497,677 | | | | | 4,747 | | 4,747 | 17 |
| | 8,822 | | | | | | | | 18 |
| | | | | | | | | | 19 |
| | 907,570 | | | | \$11,766 | \$1,538 | 59,185 | 72,489 | 20 |
| | 907,570 | | | | 11,766 | 1,538 | 59,185 | 72,489 | 21 |
| | 261,526 | | | | | | | | 22 |
| | 126,526 | | | | | | | | 23 |
| | 135,000 | | | | | | | | 24 |
| | | | | | | | | | 25 |
| | 475,268 | \$52,921 | | | 9,572 | | | 9,572 | 26 |
| | 460,799 | 2,478 | | | 9,572 | | | 9,572 | 27 |
| | 1,078 | | | | | | | | 28 |
| | 13,391 | 50,443 | | | | | | | 29 |
| | | | | | | | | | 30 |
| | 6,242,264 | 354 | | | 4,668 | 929 | 438 | \$20,982 | 31 |
| | 2,892,477 | 354 | | | 4,571 | | | 4,571 | 32 |
| | 135,456 | | | | 97 | | | 2,961 | 33 |
| | 1,093,171 | | | | | | 2,804 | 2,961 | 34 |
| | 128,206 | | | | | 929 | 438 | 1,307 | 35 |
| | 1,992,954 | | | | | | 18,118 | 18,118 | 36 |
| | | | | | | | | | 37 |
| 2,635 | 426,157 | | | | | 309 | | 309 | 38 |
| 2,635 | 399,625 | | | | | | | | 39 |
| | 26,532 | | | | | 309 | | 309 | 40 |
| | | | | | | | | | 41 |
| 40,764 | 913,189 | | | | | | | | 42 |
| 40,764 | 779,778 | | | | | | | | 43 |
| | 69,754 | | | | | | | | 44 |
| | 63,657 | | | | | | | | 45 |

c Includes 2 companies for which no report is made.

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | MISCELLANEOUS LIABILITIES. | | | | | Total liabilities exclusive of capital, scrip, and premium notes. |
|-------------------------------------|---|-------------------------------------|---|---|--|---|
| | Due and to become due for borrowed money, including interest. | Due and to become due for salaries. | Due and to become due for commissions and brokerage and all other sums due to agents. | Due for rent, taxes, and all other expenses not previously specified. | All other debts and demands against the companies. | |
| 1 Indiana | | \$875 | | | \$1,898 | \$99,136 |
| 2 Class 1 | | | | | 72 | 55,150 |
| 3 Class 3 | | 875 | | | 313 | 19,735 |
| 4 Class 4 | | | | | | 22,638 |
| 5 Class 5 | | | | | 1,513 | 1,613 |
| 6 Iowa | \$7,296 | 389 | \$28,924 | \$931 | 197,487 | 1,640,268 |
| 7 Class 1 | 7,296 | 269 | 17,766 | 767 | 187,204 | 1,593,726 |
| 8 Class 2 | | | 6,598 | | | 17,181 |
| 9 Class 3 | | | | | 500 | 500 |
| 10 Class 4 | | 120 | 4,560 | 161 | 1,877 | 17,782 |
| 11 Class 5 | | | | | 7,816 | 11,070 |
| 12 Kansas | 29,189 | 2,107 | | 893 | | 57,337 |
| 13 Class 3 | | 2,000 | | 893 | | 13,262 |
| 14 Class 4 | 29,189 | 107 | | | | 44,075 |
| 15 Class 5 | | | | | | |
| 16 Kentucky | 181,973 | 598 | 11,495 | | 170,798 | 956,225 |
| 17 Class 1 | 181,973 | | 10,783 | | 10,390 | 781,490 |
| 18 Class 4 | | 598 | 712 | | 2,356 | 16,683 |
| 19 Class 5 | | | | | 158,052 | 158,052 |
| 20 Louisiana | 8,000 | | | 12,000 | 105,550 | 1,360,640 |
| 21 Class 1 | 8,000 | | | 12,000 | 105,550 | 1,360,640 |
| 22 Maine | | | | | 19,569 | 381,409 |
| 23 Class 1 | | | | | 216 | 181,002 |
| 24 Class 3a | | | | | 14,529 | 190,479 |
| 25 Class 5 | | | | | 4,824 | 9,928 |
| 26 Maryland | 46,317 | | 73 | 75 | 626,666 | 1,291,420 |
| 27 Class 1 | | | 73 | | 6,874 | 528,988 |
| 28 Class 3 | | | | 75 | 251 | 8,154 |
| 29 Class 4 | 46,317 | | | | 18,041 | 147,425 |
| 30 Class 5 | | | | | 601,500 | 606,853 |
| 31 Massachusetts | 8,630 | 7,949 | 74,713 | 8,695 | 1,005,301 | 8,088,253 |
| 32 Class 1 | | 5,159 | 67,412 | 2,051 | 13,884 | 3,581,461 |
| 33 Class 2 | 5,000 | 490 | | | 441 | 167,848 |
| 34 Class 3 | | | | 3,836 | | 1,701,185 |
| 35 Class 3a | | 1,000 | 500 | | | 161,287 |
| 36 Class 4 | 3,020 | 1,790 | 6,311 | 1,994 | 16,580 | 2,095,414 |
| 37 Class 5 | | | | | 974,456 | 981,058 |
| 38 Michigan | 4,000 | | 4,252 | 96 | 134,454 | 729,873 |
| 39 Class 1 | | | 4,252 | 96 | 1,200 | 457,271 |
| 40 Class 3 | 4,000 | | | | 202 | 51,251 |
| 41 Class 5 | | | | | 133,052 | 221,351 |
| 42 Minnesota | 25,502 | | 100 | 3,970 | 113,067 | 1,184,172 |
| 43 Class 1 | | | 100 | 3,832 | | 863,918 |
| 44 Class 3 | 25,502 | | | 138 | | 119,531 |
| 45 Class 4 | | | | | 594 | 194,129 |
| 46 Class 5 | | | | | 106,000 | 6,594 |

a Includes premium notes.

GATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| CAPITAL AND SCRIP LIABILITIES. | | CONTINGENT LIABILITIES ON POLICIES IN FORCE. | | | | Total ledger liabilities. | Policy holders' surplus. | Surplus over all liabilities. | |
|---|----------------------------------|--|--|---|---------------------------------|---------------------------|--------------------------|-------------------------------|----|
| Joint stock or guaranteed capital actually paid up in cash. | Out-standing scrip not redeemed. | Net pre-mium and deposit notes sub-ject to assessment. | Net con-tingent pre-miums and assess-ments authorized by char-ter to pay losses. | Policies or insurance subject to assessment where no pre-mium notes were given. | Total con-tingent liabil-ities. | | | | |
| \$651,035 | | \$397,851 | ..... | \$27,025,858 | \$27,423,709 | \$28,173,880 | \$28,337,368 | \$312,624 | 1 |
| 550,000 | | 134,018 | ..... | ..... | 134,918 | 665,150 | 811,723 | 261,723 | 2 |
| 101,035 | | 202,933 | ..... | ..... | 202,933 | 154,653 | 147,914 | 12,990 | 3 |
| | | | | | | 880,606 | 371,154 | 7,186 | 4 |
| | | | | | | 27,027,471 | 27,050,577 | 30,719 | 5 |
| 901,449 | | 1,183,036 | ..... | 61,858,253 | 63,041,289 | 65,643,006 | 64,943,377 | 940,639 | 6 |
| 850,000 | | 130,702 | ..... | ..... | 130,702 | 2,443,720 | 1,581,447 | 731,447 | 7 |
| 50,000 | | 71,000 | ..... | ..... | 71,000 | 203,883 | 211,600 | 24,007 | 8 |
| 61,449 | | 975,334 | ..... | ..... | 975,334 | 71,500 | 82,920 | 11,920 | 9 |
| | | | | | | 1,054,565 | 1,141,777 | 104,994 | 10 |
| 50,000 | | 155,050 | ..... | 994,475 | 1,149,525 | 61,869,332 | 61,925,624 | 67,371 | 11 |
| | | 111,772 | ..... | ..... | 111,772 | 1,256,862 | 1,262,231 | 62,706 | 12 |
| 50,000 | | 43,278 | ..... | ..... | 43,278 | 125,034 | 111,932 | 160 | 13 |
| | | | | | | 137,353 | 142,909 | 49,631 | 14 |
| | | | | | | 994,475 | 1,007,390 | 12,915 | 15 |
| 1,960,000 | \$117,121 | 76,771 | ..... | 5,686,450 | 5,763,221 | 8,796,567 | 8,666,280 | 825,938 | 16 |
| 1,950,000 | | | | | | 2,731,490 | 2,578,620 | 628,620 | 17 |
| 10,000 | 117,121 | 76,771 | ..... | ..... | 76,771 | 220,575 | 303,653 | 99,761 | 18 |
| | | | | | | 5,844,502 | 5,784,007 | 97,557 | 19 |
| 4,580,560 | | | | | | 5,941,140 | 4,630,169 | 49,669 | 20 |
| 4,580,500 | | | | | | 5,941,140 | 4,630,169 | 49,669 | 21 |
| 250,000 | | | | 593,461 | 593,461 | 1,224,870 | 1,195,827 | 352,366 | 22 |
| 200,000 | | | | | | 381,002 | 304,578 | 104,578 | 23 |
| 50,000 | | | | | | 240,479 | 173,486 | 123,486 | 24 |
| | | | | | | 603,389 | 717,763 | 124,302 | 25 |
| 2,570,705 | 5,879 | 3,613,942 | ..... | 3,751,375 | 7,365,317 | 11,233,321 | 13,260,064 | 3,327,163 | 26 |
| 2,570,705 | | | | | | 3,090,693 | 4,265,562 | 1,604,857 | 27 |
| ..... | 5,879 | 107,260 | ..... | ..... | 107,260 | 121,293 | 116,173 | 3,034 | 28 |
| | | 3,506,682 | ..... | ..... | 3,506,682 | 3,654,107 | 3,829,234 | 322,662 | 29 |
| | | | | | | 4,358,228 | 5,058,045 | 1,306,070 | 30 |
| 6,157,200 | 702,237 | 966,095 | \$14,027,612 | 2,963,888 | 17,957,595 | 32,905,285 | 31,988,768 | 7,171,736 | 31 |
| 5,807,200 | 39,205 | ..... | ..... | ..... | ..... | 9,427,866 | 8,136,157 | 2,280,752 | 32 |
| 250,000 | 156,272 | ..... | ..... | 160,816 | 160,816 | 734,030 | 648,360 | 81,272 | 33 |
| ..... | 506,760 | ..... | ..... | ..... | ..... | 12,015,635 | 11,895,885 | 981,435 | 34 |
| 100,000 | | 966,095 | 3,113,162 | 4,079,257 | 4,079,257 | 668,047 | 521,388 | 14,628 | 35 |
| | | | | | | 6,274,671 | 7,154,291 | 2,975,034 | 36 |
| 950,000 | | 455,682 | ..... | 2,803,072 | 2,803,072 | 3,784,130 | 3,632,687 | 829,615 | 37 |
| | | | | | | 167,082,784 | 166,974,218 | 621,307 | 38 |
| 950,000 | | | | | | 1,407,271 | 1,583,436 | 632,436 | 39 |
| | | 455,682 | ..... | ..... | 455,682 | 506,933 | 493,108 | 37,428 | 40 |
| | | | | | | 165,168,680 | 164,897,674 | 649,555 | 41 |
| 1,250,030 | | 952,121 | ..... | 23,979,024 | 24,931,145 | 27,365,347 | 26,822,035 | 640,800 | 42 |
| 1,250,030 | | 171,592 | ..... | ..... | 171,592 | 2,285,540 | 1,066,852 | 545,230 | 43 |
| | | 369,308 | ..... | ..... | 369,308 | 488,839 | 367,218 | 62,000 | 44 |
| | | 411,221 | ..... | ..... | 411,221 | 605,350 | 472,712 | 61,491 | 45 |
| | | | | | | 23,985,618 | 24,015,253 | 36,229 | 46 |

b Deficit.

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | INSURANCE LIABILITIES. | | | | | Unearned premiums— | |
|-------------------------------------|----------------------|--------------------------------------|-----------------------------|-----------------------|-----------|----------------------|-------------------------|---------------------------------|
| | | Unpaid losses and claims for losses. | | | | Total unpaid losses. | On fire risks in force. | On ocean-marine risks in force. |
| | | Unpaid fire losses. | Unpaid ocean-marine losses. | Unpaid inland losses. | | | | |
| 1 Mississippi..... | 3 | \$21,825 | | | \$21,825 | | | |
| 2 Class 1..... | 3 | 21,825 | | | 21,825 | | | |
| 3 Missouri..... | 43 | 88,035 | | | 88,035 | \$601,341 | | |
| 4 Class 1..... | 4 | 82,284 | | | 82,284 | 542,276 | | |
| 5 Class 4..... | 12 | 5,751 | | | 5,751 | 59,065 | | |
| 6 Class 5..... | a27 | | | | | | | |
| 7 Nebraska..... | 14 | 4,960 | | | 4,960 | 254,339 | | |
| 8 Class 1..... | 4 | 2,350 | | | 2,350 | 254,339 | | |
| 9 Class 5..... | 10 | 2,610 | | | 2,610 | | | |
| 10 New Hampshire..... | 46 | 216,024 | | | 216,024 | 1,164,273 | | |
| 11 Class 1..... | 69 | 175,361 | | | 175,361 | 1,069,745 | | |
| 12 Class 4..... | 7 | 32,887 | | | 32,887 | 94,528 | | |
| 13 Class 5..... | 30 | 8,376 | | | 8,376 | | | |
| 14 New Jersey..... | 37 | 234,968 | | | 234,968 | 1,447,998 | | |
| 15 Class 1..... | 10 | 205,279 | | | 205,279 | 1,447,998 | | |
| 16 Class 4..... | 10 | 14,530 | | | 14,530 | | | |
| 17 Class 5..... | 17 | 15,159 | | | 15,159 | | | |
| 18 New York..... | 184 | 4,873,679 | \$98,659 | \$10,569 | 4,982,907 | 25,183,551 | \$63,197 | |
| 19 Class 1..... | 57 | 2,949,092 | 45,762 | 10,569 | 3,005,423 | 23,151,002 | 27,539 | |
| 20 Class 3a..... | 2 | 1,631,976 | 52,897 | | 1,684,873 | 1,357,821 | 35,658 | |
| 21 Class 4..... | 12 | 250,884 | | | 250,884 | 674,128 | | |
| 22 Class 5..... | b113 | 41,727 | | | 41,727 | | | |
| 23 North Carolina..... | 3 | 10,897 | | | 10,897 | 25,508 | | |
| 24 Class 1..... | 3 | 10,897 | | | 10,897 | 25,508 | | |
| 25 North Dakota..... | 5 | | | | | 150 | | |
| 26 Class 1..... | 1 | | | | | 150 | | |
| 27 Class 5..... | c4 | | | | | | | |
| 28 Ohio..... | 136 | 348,126 | | 9,905 | 358,031 | 2,777,031 | | |
| 29 Class 1..... | d29 | 266,694 | | 9,905 | 276,599 | 1,294,151 | | |
| 30 Class 3..... | 4 | 21,597 | | | 21,597 | 48,070 | | |
| 31 Class 4..... | d17 | 77,052 | | | 77,052 | 1,434,810 | | |
| 32 Class 5..... | 86 | 42,783 | | | 42,783 | | | |
| 33 Oregon..... | 6 | 6,978 | | | 6,978 | 308,082 | | |
| 34 Class 1..... | d6 | 6,978 | | | 6,978 | 308,082 | | |
| 35 Pennsylvania..... | 241 | 1,361,121 | 114,700 | | 1,475,821 | 8,739,575 | | |
| 36 Class 1..... | 42 | 1,154,783 | 114,700 | | 1,269,483 | 8,400,391 | | |
| 37 Class 3..... | 5 | 937 | | | 937 | 29,566 | | |
| 38 Class 4..... | d19 | 61,332 | | | 61,332 | 309,618 | | |
| 39 Class 5..... | d178 | 144,069 | | | 144,069 | | | |

a Includes 4 companies for which no report is made.

b Includes 3 companies for which no report is made.

GATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INSURANCE LIABILITIES—continued. | | | | DIVIDEND AND PROFIT ACCOUNT. | | | | | | |
|----------------------------------|--------------------------------|--|--|--|--|--|---|--|---|----|
| Unearned premiums— Continued. | | Amount re- claimable by the assured on perpetual fire insur- ance policies (being 15 per cent of the deposit received). | Net premi- um reserve and all other liabil- ities except capital un- der life insurance or any other special de- partment. | Unearned balance of bills and notes taken in advance for premi- ums on ocean mar- ine and in- land poli- cies and returnable in settle- ment. | Cash dividends to stock- holders remain- ing un- paid. | Principal unpaid on scrip or certificates of profits authorized to be redeemed. | Interest on scrip due and declared remaining unpaid. | Due and to become due for cash premiums returnable as profit on surrendered or termi- nated poli- cies. | Total liabilities on account of divi- dends and profits. | |
| On inland risks in force. | Total unearned premiums. | | | | | | | | | |
| | | | | | | | | | | 1 |
| | | | | | | | | | | 2 |
| \$176 | \$601,517 | | | | | | | | | 3 |
| 31 | 542,307 | | | | | | | | | 4 |
| 145 | 59,210 | | | | | | | | | 5 |
| | | | | | | | | | | 6 |
| 108,522 | 362,861 | | | | | | | | | 7 |
| 108,522 | 362,861 | | | | | | | | | 8 |
| | | | | | | | | | | 9 |
| 5,122 | 1,169,395 | | | | | | | \$231 | \$231 | 10 |
| 5,122 | 1,074,867 | | | | | | | 231 | 231 | 11 |
| | 94,528 | | | | | | | | | 12 |
| | | | | | | | | | | 13 |
| | 1,447,998 | \$80,002 | | | | \$6,467 | \$15,032 | 297 | 21,796 | 14 |
| | | | | | | | | | | 15 |
| | 1,447,998 | 80,002 | | | | 6,467 | 15,032 | 297 | 21,796 | 16 |
| | | | | | | | | | | 17 |
| \$137,101 | 25,388,840 | | | | \$42,471 | 272,679 | 40,255 | 30,000 | 385,405 | 18 |
| 137,101 | 23,816,242 | | | | 42,471 | 58,872 | 12,484 | 30,000 | 143,827 | 19 |
| | 1,393,479 | | | | | 206,694 | 27,771 | | 234,465 | 20 |
| | 674,128 | | | | | 7,118 | | | 7,113 | 21 |
| | | | | | | | | | | 22 |
| | 25,508 | | | | | | 42 | | 42 | 23 |
| | | | | | | | | | | 24 |
| | 25,508 | | | | | | 42 | | 42 | 25 |
| | | | | | | | | | | 26 |
| | 150 | | | | | | | | | 27 |
| | | | | | | | | | | 28 |
| | 150 | | | | | | | | | 29 |
| | | | | | | | | | | 30 |
| 17,298 | 2,794,320 | 221,034 | | | 2,954 | | | | 2,954 | 31 |
| 17,298 | 1,811,440 | | | | 2,954 | | | | 2,954 | 32 |
| | 48,070 | | | | | | | | | 33 |
| | 1,484,810 | 221,034 | | | | | | | | 34 |
| | | | | | | | | | | 35 |
| | 308,082 | | | | | | | | | 36 |
| | | | | | | | | | | 37 |
| | 308,082 | | | | | | | | | 38 |
| | | | | | | | | | | 39 |
| 198,480 | 8,938,055 | 7,172,373 | | | 31,267 | 980 | | | 32,247 | 40 |
| 198,480 | 8,598,871 | 7,167,623 | | | 31,267 | 980 | | | 32,247 | 41 |
| | 29,506 | | | | | | | | | 42 |
| | 309,018 | 4,750 | | | | | | | | 43 |

c Includes 2 companies for which no report is made.

d Includes 1 company for which no report is made.

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | MISCELLANEOUS LIABILITIES. | | | | | Total liabilities exclusive of capital, scrip, and premium notes. |
|-------------------------------------|---|-------------------------------------|---|---|--|---|
| | Due and to become due for borrowed money, including interest. | Due and to become due for salaries. | Due and to become due for commissions and brokerage and all other sums due to agents. | Due for rent, taxes, and all other expenses not previously specified. | All other debts and demands against the companies. | |
| 1 Mississippi..... | \$2,182 | | | | \$3,079 | \$27,086 |
| 2 Class 1..... | 2,182 | | | | 3,079 | 27,086 |
| 3 Missouri..... | 636 | \$237 | \$26,260 | \$2,044 | 13,605 | 732,994 |
| 4 Class 1..... | | | 25,806 | | 3,509 | 653,006 |
| 5 Class 4..... | 636 | 237 | 454 | 2,044 | 10,156 | 79,088 |
| 6 Class 5..... | | | | | | |
| 7 Nebraska..... | | 757 | 3,802 | 276 | 10,746 | 383,402 |
| 8 Class 1..... | | 757 | 3,802 | 276 | 6,443 | 376,489 |
| 9 Class 5..... | | | | | 4,303 | 6,913 |
| 10 New Hampshire..... | 1,900 | 4,987 | 42,381 | 227 | 41,333 | 1,477,078 |
| 11 Class 1..... | 1,900 | 1,152 | 39,114 | 227 | 16,737 | 1,309,358 |
| 12 Class 4..... | | 3,835 | 3,267 | | 150 | 134,898 |
| 13 Class 5..... | | | | | 24,446 | 32,822 |
| 14 New Jersey..... | 7,355 | 269 | 25,122 | 842 | 48,487 | 1,866,839 |
| 15 Class 1..... | | 269 | 25,122 | 501 | 14,064 | 1,795,631 |
| 16 Class 4..... | 7,355 | | | 341 | 42 | 22,268 |
| 17 Class 5..... | | | | | 34,381 | 49,540 |
| 18 New York..... | 31,200 | 28,356 | 411,257 | 30,807 | 691,999 | 31,945,780 |
| 19 Class 1..... | 31,200 | 28,356 | 411,257 | 30,757 | 493,030 | 27,460,092 |
| 20 Class 3a..... | | | | | 182,213 | 3,495,030 |
| 21 Class 4..... | | | | 50 | 3 | 932,178 |
| 22 Class 5..... | | | | | 16,753 | 58,480 |
| 23 North Carolina..... | 1,241 | | | 475 | 51,941 | 90,104 |
| 24 Class 1..... | 1,241 | | | 475 | 51,941 | 90,104 |
| 25 North Dakota..... | | | | | | 150 |
| 26 Class 1..... | | | | | | 150 |
| 27 Class 5..... | | | | | | |
| 28 Ohio..... | 41,500 | 7,924 | 9,707 | 1,164 | 83,375 | 3,520,018 |
| 29 Class 1..... | 37,500 | 1,504 | 7,928 | 750 | 17,169 | 1,595,853 |
| 30 Class 3..... | | 292 | | | 1,170 | 71,129 |
| 31 Class 4..... | 4,000 | 6,128 | 1,779 | 414 | 6,306 | 1,751,523 |
| 32 Class 5..... | | | | | 58,730 | 101,513 |
| 33 Oregon..... | 67,520 | | 12,546 | 465 | 76 | 395,667 |
| 34 Class 1..... | 67,520 | | 12,546 | 465 | 76 | 395,667 |
| 35 Pennsylvania..... | 38,107 | 17,071 | 77,722 | 22,348 | 1,433,993 | 19,207,737 |
| 36 Class 1..... | 7,856 | 7,333 | 77,722 | 19,740 | 36,795 | 17,217,670 |
| 37 Class 3..... | | | | | | 30,593 |
| 38 Class 4..... | 30,251 | 9,738 | | | 150,839 | 569,136 |
| 39 Class 5..... | | | | 2,608 | 1,246,359 | 1,390,428 |

a Includes premium notes.

INSURANCE.

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GATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| CAPITAL AND SCRIP LIABILITIES. | | CONTINGENT LIABILITIES ON POLICIES IN FORCE. | | | | Total ledger liabilities. | Policy holders' surplus. | Surplus over all liabilities. | |
|--|----------------------------------|--|--|--|---------------------------------|---------------------------|--------------------------|-------------------------------|----|
| Joint stock or guarantee capital actually paid up in cash. | Out-standing scrip not redeemed. | Net pre-mium and deposit notes sub-ject to assessment. | Net con-tingent pre-miums and assess-ments authorized by char-ter to pay losses. | Policies or insurance sub-ject to assessment where no pre-mium notes were given. | Total con-tingent liabil-ities. | | | | |
| \$400,000 | | | | | | \$427,086 | \$462,218 | \$62,218 | 1 |
| 400,000 | | | | | | 427,086 | 462,218 | 62,218 | 2 |
| 1,200,000 | | \$3,070,134 | | \$4,396,099 | \$7,466,233 | 9,399,227 | 9,421,183 | 754,950 | 3 |
| 1,200,000 | | 3,070,134 | | 4,396,099 | 3,070,134 | 1,853,906 | 1,654,504 | 454,594 | 4 |
| | | | | | 4,396,099 | 3,149,222 | 3,358,142 | 288,008 | 5 |
| | | | | | | 4,396,099 | 4,408,447 | 12,348 | 6 |
| 400,000 | | | | 1,020,817 | 1,020,817 | 1,804,210 | 1,492,303 | 71,486 | 7 |
| 400,000 | | | | 1,020,817 | 1,020,817 | 776,480 | 463,828 | 63,828 | 8 |
| | | | | | | 1,027,730 | 1,028,475 | 7,658 | 9 |
| 1,213,000 | | 64,827 | \$215,334 | 640,337 | 920,498 | 3,610,576 | 2,650,718 | 517,220 | 10 |
| 1,210,000 | | 64,827 | 215,334 | 640,337 | 280,161 | 2,519,358 | 1,041,433 | 431,433 | 11 |
| 3,000 | | | | | 640,337 | 418,059 | 355,330 | 72,169 | 12 |
| | | | | | | 673,159 | 653,955 | 13,618 | 13 |
| 2,555,730 | | 2,053,540 | | 23,805,055 | 25,868,595 | 30,281,164 | 31,895,219 | 3,480,894 | 14 |
| 2,555,730 | | 2,053,540 | | 23,805,055 | 2,053,540 | 4,350,761 | 5,634,989 | 3,079,259 | 15 |
| | | | | | 23,805,055 | 2,075,808 | 2,245,523 | 191,983 | 16 |
| | | | | | | 23,854,595 | 24,014,707 | 209,652 | 17 |
| 21,020,124 | \$7,980,328 | 1,014,804 | | 127,826,681 | 128,841,485 | 189,787,717 | 175,417,909 | 17,575,972 | 18 |
| 20,754,020 | 650,178 | | | | | 48,873,290 | 36,177,708 | 14,764,510 | 19 |
| | 7,321,150 | | | | | 10,816,180 | 9,254,742 | 1,933,592 | 20 |
| 266,104 | | 1,014,804 | | 5,350,426 | 6,365,230 | 7,563,612 | 7,394,424 | 783,090 | 21 |
| | | | | 122,476,255 | 122,476,255 | 122,534,735 | 122,591,035 | 114,780 | 22 |
| 208,755 | | | | | | 208,859 | 202,824 | 84,069 | 23 |
| 208,755 | | | | | | 208,859 | 202,824 | 84,069 | 24 |
| 100,000 | | | | 342,074 | 342,074 | 442,224 | 442,904 | 830 | 25 |
| 100,000 | | | | 342,074 | 342,074 | 100,150 | 100,141 | 141 | 26 |
| | | | | | | 342,074 | 342,763 | 689 | 27 |
| 3,950,000 | | 4,669,565 | 281,175 | 81,396,267 | 86,347,007 | 93,817,025 | 92,747,071 | 2,460,064 | 28 |
| 3,950,000 | | 445,457 | 114,444 | | 550,901 | 5,545,853 | 5,265,419 | 1,315,419 | 29 |
| | | 4,224,108 | 106,731 | | 4,390,839 | 631,030 | 577,197 | 17,236 | 30 |
| | | | | 81,396,267 | 81,396,267 | 6,142,362 | 5,373,226 | 932,887 | 31 |
| | | | | | | 81,497,780 | 81,531,280 | 135,022 | 32 |
| 802,360 | | | | | | 1,198,027 | 824,344 | 21,984 | 33 |
| 802,360 | | | | | | 1,198,027 | 824,344 | 21,984 | 34 |
| 12,360,000 | 742,255 | 21,522,985 | 296,050 | 287,678,182 | 309,497,217 | 341,807,269 | 338,305,084 | 15,795,612 | 35 |
| 12,360,000 | 742,255 | 234,994 | 296,050 | 11,854,263 | 12,385,307 | 30,319,925 | 22,408,553 | 9,306,298 | 36 |
| | | 21,287,991 | | 19,643,849 | 40,931,840 | 12,415,810 | 12,487,507 | 102,200 | 37 |
| | | | | 256,180,070 | 256,180,070 | 41,500,976 | 41,447,495 | 515,655 | 38 |
| | | | | | | 257,570,498 | 262,051,529 | 5,871,459 | 39 |

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | Num-ber of com-panies. | INSURANCE LIABILITIES. | | | | | |
|----|-------------------------------------|------------------------|--------------------------------------|-----------------------------|-----------------------|----------------------|-------------------------|---------------------------------|
| | | | Unpaid losses and claims for losses. | | | | Unearned premiums— | |
| | | | Unpaid fire losses. | Unpaid ocean marine losses. | Unpaid inland losses. | Total unpaid losses. | On fire risks in force. | On ocean marine risks in force. |
| 1 | Rhode Island | 20 | \$165,584 | \$29,269 | | \$194,453 | \$2,100,273 | \$44,953 |
| 2 | Class 1 | 3 | 135,985 | 29,269 | | 165,254 | 799,843 | 44,953 |
| 3 | Class 3 | 12 | 24,466 | | | 24,466 | 1,272,919 | |
| 4 | Class 4 | 1 | 2,108 | | | 2,108 | 87,511 | |
| 5 | Class 5 | 4 | 3,025 | | | 3,025 | | |
| 6 | South Carolina | 3 | | | | | 645 | |
| 7 | Class 1 | 1 | | | | | 645 | |
| 8 | Class 4 | 1 | | | | | | |
| 9 | Class 5 | 1 | | | | | | |
| 10 | South Dakota | 14 | 18,587 | | | 18,587 | 100,298 | |
| 11 | Class 1 | a6 | 18,587 | | | 18,587 | 100,298 | |
| 12 | Class 5 | b8 | | | | | | |
| 13 | Tennessee | 15 | 31,513 | | \$69 | 31,582 | 271,047 | |
| 14 | Class 1 | 14 | 31,513 | | 69 | 31,582 | 271,047 | |
| 15 | Class 4 | c1 | | | | | | |
| 16 | Texas | 3 | 29,307 | | | 29,307 | 106,843 | |
| 17 | Class 1 | 2 | 29,307 | | | 29,307 | 106,843 | |
| 18 | Class 4 | c1 | | | | | | |
| 19 | Utah | 1 | | | | | | |
| 20 | Class 1 | c1 | | | | | | |
| 21 | Vermont | 3 | 8,065 | | | 8,065 | 15,129 | |
| 22 | Class 1 | 1 | 1,852 | | | 1,852 | 15,129 | |
| 23 | Class 4 | 2 | 6,213 | | | 6,213 | | |
| 24 | Virginia | 22 | 120,062 | | | 120,062 | 287,347 | |
| 25 | Class 1 | 8 | 60,346 | | | 60,346 | 287,347 | |
| 26 | Class 4 | 3 | 5,800 | | | 5,800 | | |
| 27 | Class 5 | a11 | 53,916 | | | 53,916 | | |
| 28 | Washington | 6 | 75,375 | | | 75,375 | 61,717 | |
| 29 | Class 1 | d6 | 75,375 | | | 75,375 | 61,717 | |
| 30 | West Virginia | 11 | 69,660 | | | 69,660 | 174,854 | |
| 31 | Class 1 | a9 | 69,660 | | | 69,660 | 174,854 | |
| 32 | Class 4 | 1 | | | | | | |
| 33 | Class 5 | 1 | | | | | | |
| 34 | Wisconsin | 189 | 142,675 | | | 142,675 | 1,408,345 | |
| 35 | Class 1 | 4 | 103,389 | | | 103,389 | 1,364,703 | |
| 36 | Class 3 | 2 | 18,712 | | | 18,712 | 27,337 | |
| 37 | Class 4 | 2 | 13,997 | | | 13,997 | 16,245 | |
| 38 | Class 5 | e181 | 6,577 | | | 6,577 | | |
| 39 | Foreign | 73 | 2,739,485 | 348,936 | 1,845 | 3,090,266 | 21,152,091 | 364,289 |
| 40 | Class 1 | a73 | 2,739,485 | 348,936 | 1,845 | 3,090,266 | 21,152,091 | 364,289 |

a Includes 1 company for which no report is made. e Only 1 company reported, and that too incompletely to tabulate.
b Includes 2 companies for which no report is made.

IGATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INSURANCE LIABILITIES—continued. | | | | | DIVIDEND AND PROFIT ACCOUNT. | | | | | |
|----------------------------------|--------------------------------|--|--|--|--|--|---|--|---|----|
| Unearned premiums— Continued. | | Amount re- claimable by the assured on perpetual fire insur- ance policies (being 95 per cent of the deposit received). | Net premi- um reserve and all other liabil- ities except capital un- der life insurance or any other special de- partment. | Unearned balance of bills and notes taken in advance for premi- ums on ocean mar- ine and in- land poli- cies and returnable in settle- ment. | Cash dividends to stock- holders remain- ing un- paid. | Principal unpaid on scrip or certificates of profits authorized to be redeemed. | Interest on scrip due and declared remaining unpaid. | Due and to become due for cash returnable as profit on surrendered or termi- nated poli- cies. | Total liabilities on account of divi- dends and profits. | |
| On inland risks in force. | Total unearned premiums. | | | | | | | | | |
| \$29,457 | \$2,234,683 | | | | | | \$516 | \$25,272 | \$25,788 | 1 |
| 29,457 | 874,253 | | | | | | 516 | | 516 | 2 |
| | 1,272,919 | | | | | | | 24,217 | 24,217 | 3 |
| | 87,511 | | | | | | | 1,055 | 1,055 | 4 |
| | | | | | | | | | | 5 |
| | 645 | \$60,003 | | | | | | | | 6 |
| | 645 | 60,003 | | | | | | | | 7 |
| | | | | | | | | | | 8 |
| | | | | | | | | | | 9 |
| | 100,298 | | | | | | | | | 10 |
| | 100,298 | | | | | | | | | 11 |
| | | | | | | | | | | 12 |
| | 271,047 | | | | | | | | | 13 |
| | 271,047 | | | | | | | | | 14 |
| | | | | | | | | | | 15 |
| | 106,843 | | | | | | | | | 16 |
| | 106,843 | | | | | | | | | 17 |
| | | | | | | | | | | 18 |
| | | | | | | | | | | 19 |
| | | | | | | | | | | 20 |
| | 15,129 | | | | \$351 | | | | 351 | 21 |
| | 15,129 | | | | 351 | | | | 351 | 22 |
| | | | | | | | | | | 23 |
| 60 | 287,407 | 475 | | | | \$3,518 | 18,104 | | 21,622 | 24 |
| 60 | 287,407 | 475 | | | | 3,518 | 18,104 | | 21,622 | 25 |
| | | | | | | | | | | 26 |
| | | | | | | | | | | 27 |
| | 61,717 | | | | | | | | | 28 |
| | 61,717 | | | | | | | | | 29 |
| | | | | | | | | | | 30 |
| 36,325 | 211,179 | | | | | | | | | 31 |
| 36,325 | 211,179 | | | | | | | | | 32 |
| | | | | | | | | | | 33 |
| 3,724 | 1,412,069 | | | | | | | 138 | 138 | 34 |
| 3,724 | 1,368,487 | | | | | | | 138 | 138 | 35 |
| | 27,337 | | | | | | | | | 36 |
| | 16,245 | | | | | | | | | 37 |
| | | | | | | | | | | 38 |
| 48,035 | 21,504,415 | 464,424 | \$235,141 | \$8,684 | | | | | | 39 |
| 48,035 | 21,504,415 | 464,424 | 235,141 | 8,684 | | | | | | 40 |

d Includes 3 companies for which no report is made.

e Includes 6 companies for which no report is made.

TABLE 3.—SUMMARY OF LIABILITIES OF THE FIRE, OCEAN MARINE, AND INLAND NAVI-
BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | MISCELLANEOUS LIABILITIES. | | | | Total liabilities exclusive of capital, scrip, and premium notes. | |
|----|-------------------------------------|---|-------------------------------------|---|---|---|--|
| | | Due and to become due for borrowed money, including interest. | Due and to become due for salaries. | Due and to become due for commissions and brokerage and all other sums due to agents. | Due for rent, taxes, and all other expenses not previously specified. | | All other debts and demands against the companies. |
| 1 | Rhode Island | | | \$2,589 | \$53,091 | \$209,634 | \$2,720,638 |
| 2 | Class 1 | | | 2,589 | 2,785 | | 1,045,397 |
| 3 | Class 3 | | | | 50,306 | | 1,371,908 |
| 4 | Class 4 | | | | | | 90,674 |
| 5 | Class 5 | | | | | 209,634 | 212,659 |
| 6 | South Carolina | | \$371 | | 23 | | 61,042 |
| 7 | Class 1 | | | | | | 645 |
| 8 | Class 4 | | 371 | | 23 | | 60,397 |
| 9 | Class 5 | | | | | | |
| 10 | South Dakota | \$15,000 | | 2,047 | | 41,976 | 177,908 |
| 11 | Class 1 | 15,000 | | 2,047 | | 41,806 | 177,828 |
| 12 | Class 5 | | | | | 80 | 80 |
| 13 | Tennessee | | | 14,633 | 2,691 | 21,824 | 341,777 |
| 14 | Class 1 | | | 14,633 | 2,691 | 21,824 | 341,777 |
| 15 | Class 4 | | | | | | |
| 16 | Texas | | | | | 230 | 136,380 |
| 17 | Class 1 | | | | | | |
| 18 | Class 4 | | | | | 230 | 136,380 |
| 19 | Utah | | | | | | |
| 20 | Class 1 | | | | | | |
| 21 | Vermont | 179,877 | 684 | | | | 204,106 |
| 22 | Class 1 | 12,966 | 684 | | | | 30,982 |
| 23 | Class 4 | 166,911 | | | | | 173,124 |
| 24 | Virginia | 545,974 | 211 | 150 | 1,711 | 153,859 | 1,131,471 |
| 25 | Class 1 | 545,974 | 211 | 150 | 1,711 | 58,560 | 976,456 |
| 26 | Class 4 | | | | | | 5,800 |
| 27 | Class 5 | | | | | 95,299 | 149,215 |
| 28 | Washington | 25,000 | 250 | | 1,047 | 2,000 | 165,389 |
| 29 | Class 1 | 25,000 | 250 | | 1,047 | 2,000 | 165,389 |
| 30 | West Virginia | 30,000 | 240 | 1,939 | 463 | 21,183 | 334,604 |
| 31 | Class 1 | 30,000 | 240 | 1,939 | 463 | 21,183 | 334,604 |
| 32 | Class 4 | | | | | | |
| 33 | Class 5 | | | | | | |
| 34 | Wisconsin | | 560 | 13,797 | | 12,241 | 1,581,480 |
| 35 | Class 1 | | | 13,797 | | 10,977 | 1,406,788 |
| 36 | Class 3 | | | | | 68 | 46,117 |
| 37 | Class 4 | | 560 | | | 78 | 30,880 |
| 38 | Class 5 | | | | | 1,118 | 7,695 |
| 39 | Foreign | | 16,466 | 428,117 | 120,688 | 578,725 | 26,506,926 |
| 40 | Class 1 | | 16,466 | 428,117 | 120,688 | 578,725 | 26,506,926 |

a Includes premium notes.

INSURANCE.

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GATION AND TRANSPORTATION INSURANCE COMPANIES DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| CAPITAL AND SCRIP LIABILITIES. | | CONTINGENT LIABILITIES ON POLICIES IN FORCE. | | | | Total ledger liabilities. | Policy holders' surplus. | Surplus over all liabilities. | |
|--|----------------------------------|--|--|--|---------------------------------|---------------------------|--------------------------|-------------------------------|----|
| Joint stock or guarantee capital actually paid up in cash. | Out-standing scrip not redeemed. | Net pre-mium and deposit notes sub-ject to assessment. | Net con-tingent pre-miums and assess-ments authorized by char-ter to pay losses. | Policies or insurance sub-ject to assessment where no pre-mium notes were given. | Total con-tingent liabil-ities. | | | | |
| \$000,000 | | | \$17,071,532 | \$35,312,684 | \$52,384,216 | \$56,004,854 | \$55,283,412 | \$1,999,196 | 1 |
| 900,000 | | | 15,840,193 | | 15,840,193 | 1,945,397 | 1,145,803 | 245,803 | 2 |
| | | | 1,231,339 | | 1,231,339 | 17,212,101 | 17,189,609 | 1,349,416 | 3 |
| | | | | \$35,312,684 | 35,312,684 | 1,322,013 | 1,360,690 | 129,351 | 4 |
| | | | | | | 35,325,343 | 35,587,310 | 274,026 | 5 |
| 45,662 | | | | 818,775 | 818,775 | 925,479 | 896,748 | 32,311 | 6 |
| 45,662 | | | | | | 46,307 | 47,101 | 1,439 | 7 |
| | | | | \$818,775 | 818,775 | 60,397 | 17,588 | 17,588 | 8 |
| | | | | | | 818,775 | 832,059 | 13,284 | 9 |
| 461,125 | | | | 595,594 | 595,594 | 1,234,627 | 1,105,978 | 49,259 | 10 |
| 461,125 | | | | \$595,594 | 595,594 | 638,953 | 509,471 | 48,316 | 11 |
| | | | | | | 595,074 | 596,507 | 913 | 12 |
| 2,100,000 | | | | | | 2,441,777 | 2,200,159 | 109,159 | 13 |
| 2,100,000 | | | | | | 2,441,777 | 2,209,159 | 109,159 | 14 |
| | | | | | | | | | 15 |
| 225,000 | | | | | | 361,380 | 233,476 | 8,476 | 16 |
| 225,000 | | | | | | 361,380 | 233,476 | 8,476 | 17 |
| | | | | | | | | | 18 |
| | | | | | | | | | 19 |
| | | | | | | | | | 20 |
| 125,000 | | \$3,493,075 | | | 3,493,075 | 3,822,181 | 3,679,717 | 61,642 | 21 |
| 125,000 | | 3,493,075 | | | 3,493,075 | 155,982 | 126,172 | 1,172 | 22 |
| | | | | | | 3,666,199 | 3,553,545 | 60,470 | 23 |
| 1,125,152 | | 916,417 | | 25,841,103 | 26,787,520 | 20,044,143 | 20,073,344 | 1,160,672 | 24 |
| 1,125,152 | | 916,417 | | 3,793,739 | 4,740,156 | 2,101,608 | 1,330,699 | 205,547 | 25 |
| | | | | \$22,047,364 | 22,047,364 | 4,745,956 | 4,846,133 | 105,977 | 26 |
| | | | | | | 22,196,570 | 22,866,512 | 849,148 | 27 |
| 275,000 | | | | | | 440,380 | 235,042 | 639,958 | 28 |
| 275,000 | | | | | | 440,380 | 235,042 | 639,958 | 29 |
| 725,000 | | 37,534 | | 56,000 | 93,534 | 1,153,138 | 865,749 | 47,215 | 30 |
| 725,000 | | 37,534 | | | 37,534 | 1,050,804 | 762,623 | 37,623 | 31 |
| | | | | \$56,000 | 56,000 | 37,534 | 41,787 | 4,253 | 32 |
| | | | | | | 56,000 | 61,339 | 5,339 | 33 |
| 1,300,000 | | 617,818 | | 115,827,345 | 116,445,163 | 119,326,643 | 119,478,475 | 1,733,312 | 34 |
| 1,300,000 | | 312,571 | | | 312,571 | 2,796,788 | 2,648,998 | 1,348,998 | 35 |
| | | 305,247 | | | 305,247 | 358,688 | 328,675 | 16,104 | 36 |
| | | | | \$115,827,345 | 115,827,345 | 336,127 | 309,752 | 4,505 | 37 |
| | | | | | | 115,835,040 | 116,191,050 | 363,705 | 38 |
| 6,455,000 | | | | | | 32,961,926 | 22,806,221 | 16,351,221 | 39 |
| 6,455,000 | | | | | | 32,961,926 | 22,806,221 | 16,351,221 | 40 |

TABLE 4.—SUMMARY OF INCOME AND RECEIPTS DURING THE YEAR 1889 OF THE FIRE,
TRANSACTIONING BUSINESS
BY CLASSES.

| CLASSES AND STATES AND TERRITORIES. | Number of companies. | PREMIUM INCOME. | | | | | | |
|-------------------------------------|----------------------|---|--|--|--|--|--|---|
| | | Fire premiums and assessments. | | | | Net cash received for ocean marine premiums. | Net cash received for inland navigation and transportation premiums. | Total net cash received for premiums and assessments. |
| | | Net cash received for fire premiums and fees. | Deposit premiums received on perpetual risks less amount returned during the year. | Received for assessments or calls on premium notes or otherwise. | Total net cash received for fire premiums and assessments. | | | |
| 1 Total..... | 21,926 | \$122,197,345 | \$271,553 | \$3,194,598 | \$125,663,496 | \$13,017,552 | \$1,967,861 | \$140,648,909 |
| 2 Class 1..... | 434 | 109,180,224 | 235,608 | 65,992 | 109,481,824 | 8,442,216 | 1,967,572 | 119,891,612 |
| 3 Class 2..... | 3 | 146,964 | ..... | ..... | 146,964 | 132,084 | ..... | 279,048 |
| 4 Class 3..... | 51 | 6,145,024 | 27,571 | 198,476 | 6,371,071 | ..... | ..... | 6,371,071 |
| 5 Class 3a..... | 5 | ..... | ..... | ..... | ..... | 4,443,252 | ..... | 4,443,252 |
| 6 Class 4..... | 152 | 5,733,342 | 8,374 | 843,498 | 6,585,214 | ..... | 280 | 6,585,503 |
| 7 Class 5..... | 1,281 | 991,791 | ..... | 2,086,632 | 3,078,423 | ..... | ..... | 3,078,423 |

BY STATES.

| | | | | | | | | |
|------------------------------|--------|-------------|---------|-----------|-------------|------------|-----------|-------------|
| 8 Total..... | 21,926 | 122,197,345 | 271,553 | 3,194,598 | 125,663,496 | 13,017,552 | 1,967,861 | 140,648,909 |
| 9 Alabama..... | 7 | 373,685 | 11,325 | 1,001 | 386,011 | 728 | 9,863 | 396,602 |
| 10 Class 1..... | 7 | 373,685 | 11,325 | 1,001 | 386,011 | 728 | 9,863 | 396,602 |
| 11 Arkansas..... | 1 | 12,072 | ..... | ..... | 12,072 | ..... | ..... | 12,072 |
| 12 Class 1..... | 1 | 12,072 | ..... | ..... | 12,072 | ..... | ..... | 12,072 |
| 13 California..... | 11 | 4,816,516 | ..... | ..... | 4,816,516 | 553,398 | 74,548 | 5,444,462 |
| 14 Class 1..... | 11 | 4,816,516 | ..... | ..... | 4,816,516 | 553,398 | 74,548 | 5,444,462 |
| 15 Colorado..... | 1 | 60,012 | ..... | ..... | 60,012 | ..... | ..... | 60,012 |
| 16 Class 1..... | 1 | 60,012 | ..... | ..... | 60,012 | ..... | ..... | 60,012 |
| 17 Connecticut..... | 27 | 11,779,761 | 1,897 | ..... | 11,781,658 | ..... | 227,474 | 12,009,132 |
| 18 Class 1..... | 10 | 11,611,073 | 1,897 | ..... | 11,612,970 | ..... | 227,474 | 11,840,444 |
| 19 Class 4..... | 1 | 24,153 | ..... | ..... | 24,153 | ..... | ..... | 24,153 |
| 20 Class 5..... | 16 | 144,535 | ..... | ..... | 144,535 | ..... | ..... | 144,535 |
| 21 Delaware..... | 6 | 94,076 | ..... | 166 | 94,242 | ..... | ..... | 94,242 |
| 22 Class 4..... | 3 | 93,406 | ..... | ..... | 93,406 | ..... | ..... | 93,406 |
| 23 Class 5..... | 3 | 670 | ..... | 166 | 836 | ..... | ..... | 836 |
| 24 District of Columbia..... | 13 | 212,655 | ..... | 4,172 | 216,827 | ..... | ..... | 216,827 |
| 25 Class 1..... | 11 | 190,975 | ..... | ..... | 190,975 | ..... | ..... | 190,975 |
| 26 Class 4..... | 2 | 21,680 | ..... | 4,172 | 25,852 | ..... | ..... | 25,852 |
| 27 Georgia..... | 9 | 673,020 | ..... | ..... | 673,020 | ..... | ..... | 673,020 |
| 28 Class 1..... | 67 | 431,027 | ..... | ..... | 431,027 | ..... | ..... | 431,027 |
| 29 Class 3..... | 1 | 5,172 | ..... | ..... | 5,172 | ..... | ..... | 5,172 |
| 30 Class 4..... | 1 | 236,821 | | | 236,821 | | | 236,821 |

α Includes 50 companies for which no report is made.

INSURANCE.

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OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889.

BY CLASSES.

| INCOME FROM INVESTMENTS. | | Borrowed money received. | Cash received from home offices of foreign companies. | Cash received from all other sources exclusive of increased capital or calls on capital. | Cash received from increased capital or calls on capital. | Total amount of cash received from all sources. | RECEIPTS OTHER THAN CASH. | | Total income and receipts during the year. | |
|--|---|--------------------------|---|--|---|---|--|---|--|---|
| Cash received for interest and dividends on bonds, stocks, loans, and other resources. | Cash received from rents and other investments. | | | | | | Bills receivable during the year remaining unpaid. | Premium notes, contingent premiums, and all other resources subject to assessment received during the year. | | |
| \$11,784,158 | \$999,205 | \$145,685 | \$1,533,692 | \$2,110,353 | \$558,412 | \$157,780,514 | \$1,256,274 | \$218,503,854 | \$377,540,642 | 1 |
| 10,346,328 | 945,692 | 57,403 | 1,533,692 | 662,921 | 558,412 | 133,996,000 | 348,059 | 7,335 | 134,351,394 | 2 |
| 23,274 | 175 | 4,065 | | 3,369 | | 305,685 | | | 305,685 | 3 |
| 251,027 | | | | 47,405 | | 6,673,743 | 75,717 | 25,385,612 | 32,135,072 | 4 |
| 564,572 | 22,641 | | | 167,477 | | 5,197,942 | | | 5,197,942 | 5 |
| 598,957 | 30,857 | 83,507 | | 145,265 | | 7,444,080 | 892,498 | 12,463,597 | 20,740,184 | 6 |
| | | 710 | | 1,083,922 | | 4,163,055 | | 180,647,310 | 184,810,365 | 7 |

BY STATES.

| | | | | | | | | | | |
|------------|---------|---------|-----------|-----------|---------|-------------|-----------|-------------|-------------|----|
| 11,784,158 | 999,205 | 145,685 | 1,533,692 | 2,110,353 | 558,412 | 157,780,514 | 1,256,274 | 218,503,854 | 377,540,642 | 8 |
| 54,929 | 2,562 | | | 39,313 | | 493,406 | | | 493,406 | 9 |
| 54,929 | 2,562 | | | 39,313 | | 493,406 | | | 493,406 | 10 |
| 3,724 | | | | 2,474 | | 18,270 | | | 18,270 | 11 |
| 3,724 | | | | 2,474 | | 18,270 | | | 18,270 | 12 |
| 471,937 | 57,228 | | | 4,235 | 110,000 | 6,087,862 | | | 6,087,862 | 13 |
| 471,937 | 57,228 | | | 4,235 | 110,000 | 6,087,862 | | | 6,087,862 | 14 |
| 7,451 | | | | 1,003 | | 68,466 | | | 68,466 | 15 |
| 7,451 | | | | 1,003 | | 68,466 | | | 68,466 | 16 |
| 1,215,969 | 32,644 | | | 75,482 | | 13,331,227 | | 2,290,278 | 15,623,505 | 17 |
| 1,212,630 | 32,511 | | | 1,895 | | 13,087,480 | | | 13,087,480 | 18 |
| 3,339 | 133 | | | 73,587 | | 27,625 | | 2,290,278 | 27,625 | 19 |
| | | | | | | 218,122 | | | 2,508,400 | 20 |
| 22,316 | 588 | 7,614 | | 1,923 | | 126,683 | | 1,079,601 | 1,206,284 | 21 |
| 22,316 | 588 | 7,614 | | 34 | | 123,958 | | 1,047,786 | 1,171,744 | 22 |
| | | | | 1,889 | | 2,725 | | 31,815 | 34,540 | 23 |
| 108,693 | 20,756 | 15,000 | | 13,085 | | 374,961 | | 12,082 | 387,043 | 24 |
| 98,273 | 17,002 | | | 13,685 | | 319,935 | | | 319,935 | 25 |
| 10,420 | 3,754 | 15,000 | | | | 55,026 | | 12,082 | 67,108 | 26 |
| 128,210 | 1,089 | | | 14,946 | | 817,265 | 11,512 | 3,225 | 832,002 | 27 |
| 76,388 | 900 | | | 14,260 | | 522,575 | | | 537,312 | 28 |
| 316 | | | | | | 5,488 | | | 5,488 | 29 |
| 51,506 | 189 | | | 686 | | 289,202 | | | 289,202 | 30 |

b Includes 1 company for which no report is made.

TABLE 4.—SUMMARY OF INCOME AND RECEIPTS DURING THE YEAR 1889 OF THE FIRE, TRANSACTING BUSINESS

BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | PREMIUM INCOME. | | | | | | |
|-------------------------------------|----------------------|---|--|--|--|--|--|---|
| | | Fire premiums and assessments. | | | | Net cash received for ocean marine premiums. | Net cash received for inland navigation and transportation premiums. | Total net cash received for premiums and assessments. |
| | | Net cash received for fire premiums and fees. | Deposit premiums received on perpetual risks less amount returned during the year. | Received for assessments or calls on premium notes or otherwise. | Total net cash received for fire premiums and assessments. | | | |
| 1 Illinois..... | 214 | \$4,762,420 | | \$260,596 | \$4,023,016 | | \$353 | \$4,023,369 |
| 2 Class 1..... | 8 | 2,640,935 | | | 2,640,935 | | 353 | 2,641,288 |
| 3 Class 3..... | 8 | 642,599 | | 31,097 | 674,296 | | | 674,296 |
| 4 Class 4..... | a11 | 478,886 | | 93,267 | 572,153 | | | 572,153 |
| 5 Class 5..... | a187 | | | 135,632 | 135,632 | | | 135,632 |
| 6 Indiana..... | 71 | 157,020 | | 64,236 | 221,256 | | 6,388 | 227,644 |
| 7 Class 1..... | a6 | 116,690 | | | 116,690 | | 6,388 | 123,078 |
| 8 Class 3..... | a3 | 27,754 | | | 27,754 | | | 27,754 |
| 9 Class 4..... | 2 | 12,576 | | 14,177 | 26,753 | | | 26,753 |
| 10 Class 5..... | b60 | | | 50,059 | 50,059 | | | 50,059 |
| 11 Iowa..... | 144 | 1,828,533 | | 121,199 | 1,949,732 | | | 1,949,732 |
| 12 Class 1..... | 10 | 1,446,178 | | | 1,446,178 | | | 1,446,178 |
| 13 Class 2..... | 1 | 113,986 | | | 113,986 | | | 113,986 |
| 14 Class 3..... | 1 | 46,271 | | | 46,271 | | | 46,271 |
| 15 Class 4..... | 5 | 222,098 | | | 222,098 | | | 222,098 |
| 16 Class 5..... | 127 | | | 121,199 | 121,199 | | | 121,199 |
| 17 Kansas..... | 14 | 26,966 | | 27,098 | 54,064 | | | 54,064 |
| 18 Class 3..... | 1 | | | 13,009 | 13,009 | | | 13,009 |
| 19 Class 4..... | 2 | 26,966 | | 5,782 | 32,748 | | | 32,748 |
| 20 Class 5..... | 11 | | | 8,217 | 8,217 | | | 8,217 |
| 21 Kentucky..... | 20 | 679,243 | | | 679,243 | | 228,652 | 907,895 |
| 22 Class 1..... | 12 | 609,111 | | | 609,111 | | 228,652 | 837,763 |
| 23 Class 4..... | 3 | 24,190 | | | 24,190 | | | 24,190 |
| 24 Class 5..... | 5 | 45,942 | | | 45,942 | | | 45,942 |
| 25 Louisiana..... | 16 | 2,232,624 | | | 2,232,624 | \$363,078 | 167,443 | 2,763,145 |
| 26 Class 1..... | a16 | 2,232,624 | | | 2,232,624 | 363,078 | 167,443 | 2,763,145 |
| 27 Maine..... | 32 | 18,059 | | 17,479 | 36,138 | 351,127 | | 387,265 |
| 28 Class 1..... | 2 | | | | | 188,059 | | 188,059 |
| 29 Class 3a..... | 1 | | | | | 163,068 | | 163,068 |
| 30 Class 5..... | a29 | 18,059 | | 17,479 | 36,138 | | | 36,138 |
| 31 Maryland..... | 32 | 855,733 | | | 855,733 | | | 855,733 |
| 32 Class 1..... | 14 | 574,101 | | | 574,101 | | | 574,101 |
| 33 Class 3..... | 1 | 22,112 | | | 22,112 | | | 22,112 |
| 34 Class 4..... | 10 | 150,860 | | | 150,860 | | | 150,860 |
| 35 Class 5..... | 7 | 108,660 | | | 108,660 | | | 108,660 |
| 36 Massachusetts..... | 67 | 6,865,531 | | 19,095 | 6,884,626 | 1,898,089 | | 8,782,715 |
| 37 Class 1..... | 15 | 3,224,473 | | | 3,224,473 | 1,396,640 | | 4,621,113 |
| 38 Class 2..... | 2 | 32,978 | | | 32,978 | 132,084 | | 165,062 |
| 39 Class 3..... | 8 | 2,201,532 | | | 2,201,532 | | | 2,201,532 |
| 40 Class 3a..... | 2 | | | | | 369,365 | | 369,365 |
| 41 Class 4..... | 21 | 1,134,170 | | 20 | 1,134,190 | | | 1,134,190 |
| 42 Class 5..... | 19 | 272,378 | | 19,075 | 291,453 | | | 291,453 |

a Includes 1 company for which no report is made.

INSURANCE.

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OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INCOME FROM INVESTMENTS. | | Borrowed money received. | Cash received from home offices of foreign companies. | Cash received from all other sources exclusive of increased capital or calls on capital. | Cash received from increased capital or calls on capital. | Total amount of cash received from all sources. | RECEIPTS OTHER THAN CASH. | | Total income and receipts during the year. | |
|--|---|--------------------------|---|--|---|---|--|---|--|----|
| Cash received for interest and dividends on bonds, stocks, loans, and other resources. | Cash received from rents and other investments. | | | | | | Bills receivable during the year remaining unpaid. | Premium notes, contingent premiums, and all other resources subject to assessment received during the year. | | |
| \$298,407 | | | | \$61,503 | | \$4,383,270 | | \$15,510,193 | \$19,893,472 | 1 |
| 270,779 | | | | 49,102 | | 2,961,229 | | | 2,061,220 | 2 |
| 18,575 | | | | 1,099 | | 694,570 | | | 694,570 | 3 |
| 9,053 | | | | 2,052 | | 583,258 | | 160,432 | 743,690 | 4 |
| | | | | 8,500 | | 144,222 | | 15,349,701 | 15,493,983 | 5 |
| 20,945 | \$9,948 | | | 31,597 | \$100,000 | 984,134 | \$52,906 | 5,178,908 | 5,615,948 | 6 |
| 15,316 | 146 | | | 26,019 | 100,000 | 264,559 | | | 264,559 | 7 |
| 82 | | | | | | 27,786 | | | 27,786 | 8 |
| 5,597 | 3,892 | | | 5,578 | | 36,152 | 52,906 | | 89,058 | 9 |
| | | | | | | 55,637 | | 5,178,908 | 5,234,545 | 10 |
| 111,007 | 10,767 | | | 37,285 | | 2,108,791 | 220,978 | 16,561,947 | 18,891,716 | 11 |
| 110,472 | 10,638 | | | 6,596 | | 1,573,824 | 220,978 | | 1,794,802 | 12 |
| | | | | 3,363 | | 117,349 | | | 117,349 | 13 |
| 146 | | | | | | 46,417 | | 12,981 | 59,398 | 14 |
| 389 | 129 | | | 5,123 | | 227,799 | | 357,988 | 585,727 | 15 |
| | | | | 22,263 | | 143,462 | | 16,190,978 | 16,334,440 | 16 |
| 782 | | \$5,853 | | 2,560 | | 63,250 | 14,680 | 298,596 | 376,535 | 17 |
| | | | | 64 | | 13,163 | | 24,345 | 37,508 | 18 |
| 782 | | 5,853 | | 2,329 | | 41,712 | 14,680 | | 56,392 | 19 |
| | | | | 167 | | 8,384 | | 274,251 | 282,635 | 20 |
| 151,841 | 5,564 | | | 32,519 | 2,300 | 1,100,110 | | 462,983 | 1,563,102 | 21 |
| 148,835 | 5,564 | | | 29,732 | 2,300 | 1,024,194 | | | 1,024,194 | 22 |
| 3,006 | | | | | | 27,196 | | 10,852 | 38,048 | 23 |
| | | | | 2,787 | | 48,729 | | 452,131 | 500,860 | 24 |
| 228,621 | 4,968 | | | 183,827 | | 3,180,561 | 3,855 | 4,110 | 3,188,526 | 25 |
| 228,621 | 4,968 | | | 183,827 | | 3,180,561 | 3,855 | 4,110 | 3,188,526 | 26 |
| 28,879 | | | | 14,365 | | 480,539 | | 135,071 | 566,510 | 27 |
| 13,051 | | | | 6,459 | | 201,110 | | | 201,110 | 28 |
| 15,828 | | | | 7,936 | | 185,355 | | | 185,355 | 29 |
| | | | | | | 44,074 | | 135,971 | 180,045 | 30 |
| 210,910 | 9,196 | 24,445 | | 154,907 | | 1,255,191 | | 732,093 | 1,987,284 | 31 |
| 195,229 | 7,384 | | | 39,555 | | 810,269 | | | 810,269 | 32 |
| 485 | | | | 476 | | 23,073 | | 128,073 | 151,146 | 33 |
| 15,196 | 1,812 | 24,445 | | 36,669 | | 229,012 | | 37,420 | 266,432 | 34 |
| | | | | 84,177 | | 102,837 | | 566,600 | 759,437 | 35 |
| 778,371 | 18,115 | 526 | | 123,061 | 3,483 | 9,706,271 | | 13,284,292 | 22,990,563 | 36 |
| 443,372 | 5,704 | 526 | | 15,943 | 3,483 | 5,090,141 | | | 5,090,141 | 37 |
| 23,274 | | | | | | 188,336 | | | 188,336 | 38 |
| 89,019 | 175 | | | 2,357 | | 2,293,083 | | 11,482,468 | 13,775,551 | 39 |
| 13,713 | | | | | | 383,078 | | | 383,078 | 40 |
| 208,993 | 12,236 | | | 20,651 | | 1,376,070 | | 1,197,514 | 2,573,584 | 41 |
| | | | | 84,110 | | 375,563 | | 694,310 | 979,873 | 42 |

b Includes 6 companies for which no report is made.

TABLE 4.—SUMMARY OF INCOME AND RECEIPTS DURING THE YEAR 1889 OF THE FIRE, TRANSACTING BUSINESS

BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | PREMIUM INCOME. | | | | | | | |
|-------------------------------------|----------------------|---|--|---|--|-------------|--|--|---|
| | | Fire premiums and assessments. | | | | | Net cash received for ocean marine premiums. | Net cash received for inland navigation and transportation premiums. | Total net cash received for premiums and assessments. |
| | | Net cash received for fire premiums and fees. | Deposit premiums received on perpetual risks less amount returned during the year. | Received for assessments or calls on premiums notes or otherwise. | Total net cash received for fire premiums and assessments. | | | | |
| 1 Michigan..... | 66 | \$735,729 | \$27,571 | \$312,356 | \$1,075,656 | | \$107,049 | \$1,182,705 | |
| 2 Class 1..... | 3 | 623,136 | | | 623,136 | | 107,049 | 730,185 | |
| 3 Class 2..... | 3 | 112,593 | 27,571 | 141 | 140,305 | | | 140,305 | |
| 4 Class 5..... | 60 | | | 312,215 | 312,215 | | | 312,215 | |
| 5 Minnesota..... | 94 | 1,292,748 | | 184,370 | 1,477,118 | | 218,102 | 1,695,220 | |
| 6 Class 1..... | 4 | 1,005,827 | | | 1,005,827 | | 218,102 | 1,223,929 | |
| 7 Class 3..... | 2 | 110,109 | | 76,468 | 186,577 | | | 186,577 | |
| 8 Class 4..... | 2 | 162,457 | | 84,418 | 246,875 | | | 246,875 | |
| 9 Class 5..... | 86 | 14,355 | | 23,484 | 37,839 | | | 37,839 | |
| 10 Mississippi..... | 3 | 156,957 | | | 156,957 | | | 156,957 | |
| 11 Class 1..... | 3 | 156,957 | | | 156,957 | | | 156,957 | |
| 12 Missouri..... | 43 | 869,652 | | 38,078 | 907,730 | | 8,734 | 916,464 | |
| 13 Class 1..... | 4 | 730,611 | | | 730,611 | | 8,445 | 739,056 | |
| 14 Class 4..... | 12 | 130,041 | | 26,309 | 165,350 | | 280 | 165,630 | |
| 15 Class 5..... | 627 | | | 11,769 | 11,769 | | | 11,769 | |
| 16 Nebraska..... | 14 | 250,706 | | 61,553 | 314,259 | | | 314,259 | |
| 17 Class 1..... | 4 | 240,486 | | 61,991 | 302,477 | | | 302,477 | |
| 18 Class 5..... | 10 | 10,220 | | 1,562 | 11,782 | | | 11,782 | |
| 19 New Hampshire..... | 46 | 1,750,958 | | 19,457 | 1,770,415 | | 6,058 | 1,776,473 | |
| 20 Class 1..... | 9 | 1,548,211 | | | 1,548,211 | | 6,058 | 1,554,269 | |
| 21 Class 4..... | 7 | 177,030 | | | 177,030 | | | 177,030 | |
| 22 Class 5..... | 30 | 25,717 | | 19,457 | 45,174 | | | 45,174 | |
| 23 New Jersey..... | 37 | 1,937,335 | 14 | 106,792 | 2,044,141 | | | 2,044,141 | |
| 24 Class 1..... | 10 | 1,889,689 | | | 1,889,689 | | | 1,889,689 | |
| 25 Class 4..... | 10 | 47,646 | 14 | 2,859 | 50,519 | | | 50,519 | |
| 26 Class 5..... | 17 | | | 103,933 | 103,933 | | | 103,933 | |
| 27 New York..... | 184 | 28,524,584 | | 261,595 | 28,786,179 | \$4,308,773 | 400,378 | 33,495,330 | |
| 28 Class 1..... | 57 | 27,352,585 | | | 27,352,585 | 397,954 | 400,378 | 28,150,917 | |
| 29 Class 3a..... | 2 | | | | | 3,910,819 | | 3,910,819 | |
| 30 Class 4..... | 12 | 1,171,999 | | 25,305 | 1,197,304 | | | 1,197,304 | |
| 31 Class 5..... | 113 | | | 236,290 | 236,290 | | | 236,290 | |
| 32 North Carolina..... | 3 | 56,675 | | | 56,675 | | | 56,675 | |
| 33 Class 1..... | 3 | 56,675 | | | 56,675 | | | 56,675 | |
| 34 North Dakota..... | 5 | 304 | | 2,332 | 2,636 | | | 2,636 | |
| 35 Class 1..... | 1 | 304 | | | 304 | | | 304 | |
| 36 Class 5..... | 4 | | | 2,332 | 2,332 | | | 2,332 | |

a Includes 2 companies for which no report is made.

b Includes 4 companies for which no report is made.

INSURANCE.

567

OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER, 31, 1889—Continued.

BY STATES—Continued.

| INCOME FROM INVESTMENTS. | | Borrowed money received. | Cash received from home offices of foreign companies. | Cash received from all other sources exclusive of increased capital or calls on capital. | Cash received from increased capital or calls on capital. | Total amount of cash received from all sources. | RECEIPTS OTHER THAN CASH. | | Total income and receipts during the year. | |
|--|---|--------------------------|---|--|---|---|--|---|--|----|
| Cash received for interest and dividends on bonds, stocks, loans, and other resources. | Cash received from rents and other investments. | | | | | | Bills receivable during the year remaining unpaid. | Premium notes, contingent premiums, and all other resources subject to assessment received during the year. | | |
| \$121,350 | \$1,380 | \$4,000 | | \$123,225 | | \$1,432,678 | \$75,717 | \$18,260,409 | \$19,768,804 | 1 |
| 119,696 | 1,380 | | | 4,615 | | 855,885 | | | 855,885 | 2 |
| 1,663 | | 4,000 | | 1,771 | | 147,730 | 75,717 | 38,305 | 201,761 | 3 |
| | | | | 116,839 | | 420,054 | | 18,222,104 | 18,651,158 | 4 |
| 123,320 | 9,753 | 191 | | 23,026 | | 1,851,510 | | 7,128,659 | 8,980,169 | 5 |
| 121,513 | 9,753 | | | | | 1,355,195 | | | 1,355,195 | 6 |
| 92 | | | | | | 186,660 | | 240,771 | 436,440 | 7 |
| 1,715 | | 191 | | 15,405 | | 263,995 | | 171,908 | 435,903 | 8 |
| | | | | 7,621 | | 45,651 | | 6,706,980 | 6,752,631 | 9 |
| 8,755 | | | | 7,908 | | 173,620 | | | 173,620 | 10 |
| 8,755 | | | | 7,908 | | 173,620 | | | 173,620 | 11 |
| 91,296 | 27,265 | | | 26,676 | | 1,061,701 | | 2,115,567 | 3,177,268 | 12 |
| 78,070 | 25,888 | | | 15,217 | | 857,731 | | | 857,731 | 13 |
| 13,226 | 1,877 | | | 8,925 | | 180,067 | | 418,406 | 608,073 | 14 |
| | | | | 2,534 | | 14,303 | | 1,007,161 | 1,711,464 | 15 |
| 21,295 | | | | 36,706 | \$50,000 | 422,260 | 51,565 | 650,123 | 1,123,948 | 16 |
| 21,295 | | | | 4,498 | 50,000 | 378,270 | 51,565 | | 420,835 | 17 |
| | | | | 32,208 | | 43,900 | | 650,123 | 694,113 | 18 |
| 130,608 | | | | 9,524 | 50,000 | 1,975,605 | | 403,410 | 2,379,015 | 19 |
| 130,756 | | | | | 50,000 | 1,735,025 | | | 1,735,025 | 20 |
| 8,852 | | | | | | 185,832 | | 273,902 | 459,734 | 21 |
| | | | | 9,524 | | 54,698 | | 129,508 | 184,206 | 22 |
| 333,244 | 22,631 | | | 69,944 | | 2,469,960 | | 2,339,069 | 4,809,029 | 23 |
| 325,636 | 21,872 | | | 3,096 | | 2,240,293 | | | 2,240,293 | 24 |
| 7,603 | 750 | | | 11,008 | | 60,894 | | 257,261 | 327,155 | 25 |
| | | | | 55,840 | | 159,773 | | 2,081,808 | 2,241,581 | 26 |
| 2,704,200 | 386,506 | 280 | | 237,038 | 100,000 | 36,983,360 | 12,237 | 32,835,574 | 60,831,171 | 27 |
| 2,141,412 | 362,347 | | | 47,713 | 100,000 | 30,802,389 | 11,843 | | 30,814,232 | 28 |
| 535,031 | 22,641 | | | 161,018 | | 4,620,500 | | | 4,620,500 | 29 |
| 87,763 | 1,518 | | | 10,801 | | 1,297,386 | 394 | 1,306,979 | 2,604,750 | 30 |
| | | 280 | | 17,506 | | 254,076 | | 31,528,505 | 31,782,671 | 31 |
| 3,541 | 339 | | | 9,046 | | 60,601 | 154 | | 60,755 | 32 |
| 3,541 | 339 | | | 9,046 | | 60,601 | 154 | | 60,755 | 33 |
| 972 | | | | | | 3,608 | | 146,705 | 150,313 | 34 |
| 972 | | | | | | 1,276 | | | 1,276 | 35 |
| | | | | | | 2,332 | | 146,705 | 149,037 | 36 |

c Includes 3 companies for which no report is made.

TABLE 4.—SUMMARY OF INCOME AND RECEIPTS DURING THE YEAR 1889 OF THE FIRE, TRANSACTING BUSINESS

BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | PREMIUM INCOME. | | | | | | | |
|-------------------------------------|----------------------|---|--|--|--|-------------|--|--|---|
| | | Fire premiums and assessments. | | | | | Net cash received for ocean marine premiums. | Net cash received for inland navigation and transportation premiums. | Total net cash received for premiums and assessments. |
| | | Net cash received for fire premiums and fees. | Deposit premiums received on perpetual risks less amount returned during the year. | Received for assessments or calls on premium notes or otherwise. | Total net cash received for fire premiums and assessments. | | | | |
| 1 Ohio | 136 | \$3,070,767 | | \$522,601 | \$3,593,368 | | \$107,700 | \$3,701,068 | |
| 2 Class 1 | a29 | 1,880,306 | | | 1,880,306 | | 107,700 | 1,997,006 | |
| 3 Class 3 | 4 | 83,748 | | 52,749 | 136,497 | | | 136,497 | |
| 4 Class 4 | a17 | 999,256 | | 251,719 | 1,250,975 | | | 1,250,975 | |
| 5 Class 5 | 86 | 98,457 | | 218,133 | 316,590 | | | 316,590 | |
| 6 Oregon | 6 | 506,013 | | | 506,013 | | | 506,013 | |
| 7 Class 1 | a6 | 506,013 | | | 506,013 | | | 506,013 | |
| 8 Pennsylvania | 244 | 12,152,877 | \$207,043 | 605,390 | 12,965,310 | \$1,649,535 | 109,693 | 14,724,538 | |
| 9 Class 1 | 42 | 11,373,248 | 204,514 | | 11,577,762 | 1,649,535 | 109,693 | 13,336,990 | |
| 10 Class 3 | 5 | 163,328 | | 6,297 | 169,625 | | | 169,625 | |
| 11 Class 4 | a19 | 444,289 | 2,529 | 92,409 | 539,227 | | | 539,227 | |
| 12 Class 5 | a178 | 172,012 | | 506,684 | 678,696 | | | 678,696 | |
| 13 Rhode Island | 20 | 3,839,555 | | 3,822 | 3,843,377 | 304,541 | 51 | 4,147,980 | |
| 14 Class 1 | 3 | 1,135,379 | | | 1,135,379 | 304,541 | 51 | 1,439,971 | |
| 15 Class 3 | 12 | 2,583,378 | | | 2,583,378 | | | 2,583,378 | |
| 16 Class 4 | 1 | 41,035 | | 3,822 | 44,857 | | | 44,857 | |
| 17 Class 5 | 4 | 79,763 | | | 79,763 | | | 79,763 | |
| 18 South Carolina | 3 | 1,289 | 5,831 | 12,847 | 19,967 | | | 19,967 | |
| 19 Class 1 | 1 | 1,289 | | | 1,289 | | | 1,289 | |
| 20 Class 4 | 1 | | 5,831 | | 5,831 | | | 5,831 | |
| 21 Class 5 | 1 | | | 12,847 | 12,847 | | | 12,847 | |
| 22 South Dakota | 14 | 256,206 | | 1,499 | 257,705 | | | 257,705 | |
| 23 Class 1 | a6 | 255,783 | | | 255,783 | | | 255,783 | |
| 24 Class 5 | b8 | 423 | | 1,499 | 1,922 | | | 1,922 | |
| 25 Tennessee | 15 | 438,532 | | | 438,532 | 450 | 14,454 | 453,445 | |
| 26 Class 1 | 14 | 438,532 | | | 438,532 | 450 | 14,454 | 453,445 | |
| 27 Class 4 | e1 | | | | | | | | |
| 28 Texas | 3 | 157,537 | | | 157,537 | | | 157,537 | |
| 29 Class 1 | 2 | 157,537 | | | 157,537 | | | 157,537 | |
| 30 Class 4 | e1 | | | | | | | | |
| 31 Utah | 1 | | | | | | | | |
| 32 Class 1 | e1 | | | | | | | | |
| 33 Vermont | 3 | 34,065 | | 203,837 | 237,902 | | | 237,902 | |
| 34 Class 1 | 1 | 34,065 | | | 34,065 | | | 34,065 | |
| 35 Class 4 | 2 | | | 203,837 | 203,837 | | | 203,837 | |

a Includes 1 company for which no report is made.

b Includes 2 companies for which no report is made.

INSURANCE.

569

OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INCOME FROM INVESTMENTS. | | Borrowed money received. | Cash received from home offices of foreign companies. | Cash received from all other sources exclusive of increased capital or calls on capital. | Cash received from increased capital or calls on capital. | Total amount of cash received from all sources. | RECEIPTS OTHER THAN CASH. | | Total income and receipts during the year. | |
|--|---|--------------------------|---|--|---|---|--|---|--|----|
| Cash received for interest and dividends on bonds, stocks, loans, and other resources. | Cash received from rents and other investments. | | | | | | Bills receivable during the year remaining unpaid. | Premium notes, contingent premiums, and all other resources subject to assessment received during the year. | | |
| \$394,350 | \$36,007 | \$18,206 | | \$59,893 | | \$4,209,584 | \$17,300 | \$18,951,428 | \$23,178,312 | 1 |
| 288,212 | 33,516 | | | 19,812 | | 2,338,546 | | | 2,338,546 | 2 |
| 1,403 | | | | 1,123 | | 139,023 | | 446,650 | 585,682 | 3 |
| 104,735 | 2,551 | 18,206 | | 6,934 | | 1,383,401 | 17,300 | 1,921,012 | 3,321,713 | 4 |
| | | | | 32,024 | | 348,614 | | 16,563,757 | 10,992,871 | 5 |
| 57,359 | 4,716 | 14,040 | | 13,816 | 30,000 | 625,944 | 5,792 | | 631,736 | 6 |
| 57,359 | 4,716 | 14,040 | | 13,816 | 30,000 | 625,944 | 5,792 | | 631,736 | 7 |
| 1,718,866 | 127,094 | 12,454 | | 480,407 | 74,842 | 17,138,201 | | 41,306,040 | 58,444,241 | 8 |
| 1,688,418 | 126,515 | | | 23,000 | 74,842 | 15,249,765 | | | 15,249,765 | 9 |
| 3,674 | | 65 | | 1,476 | | 174,840 | | 12,899,332 | 13,074,172 | 10 |
| 26,774 | 579 | 12,389 | | 22,377 | | 601,946 | | 5,052,113 | 5,653,459 | 11 |
| | | | | 433,554 | | 1,112,250 | | 23,354,595 | 24,466,845 | 12 |
| 229,347 | 4,707 | | | 28,501 | | 4,410,524 | | 7,028,666 | 11,439,190 | 13 |
| 84,502 | 4,707 | | | 420 | | 1,529,060 | | | 1,529,060 | 14 |
| 134,750 | | | | 4,988 | | 2,723,116 | | | 2,723,116 | 15 |
| 10,035 | | | | 23,093 | | 54,892 | | | 54,892 | 16 |
| | | | | | | 102,850 | | 7,028,666 | 7,131,522 | 17 |
| 3,949 | 180 | | | | | 24,096 | 7,455 | 182,099 | 213,650 | 18 |
| 452 | | | | | | 1,741 | | | 1,741 | 19 |
| 3,497 | 180 | | | | | 9,508 | 7,455 | 5,849 | 22,812 | 20 |
| | | | | | | 12,847 | | 176,250 | 189,097 | 21 |
| 28,755 | | 17,837 | | 10,358 | | 323,655 | | 345,216 | 668,871 | 22 |
| 28,755 | | 17,837 | | 10,358 | | 321,733 | | | 321,733 | 23 |
| | | | | | | 1,922 | | 345,216 | 347,138 | 24 |
| 92,154 | 4,415 | | | 22,733 | | 572,747 | 163 | | 572,910 | 25 |
| 92,154 | 4,415 | | | 22,733 | | 572,747 | 163 | | 572,910 | 26 |
| | | | | | | | | | | 27 |
| 8,822 | | | | 6,037 | | 172,396 | | | 172,396 | 28 |
| 8,822 | | | | 6,037 | | 172,396 | | | 172,396 | 29 |
| | | | | | | | | | | 30 |
| | | | | | | | | | | 31 |
| | | | | | | | | | | 32 |
| | 750 | | | 1,197 | | 239,849 | 739,763 | 89,810 | 1,069,422 | 33 |
| | | | | 1,065 | | 35,130 | | | 35,130 | 34 |
| | 750 | | | 132 | | 204,719 | 739,763 | 89,810 | 1,034,292 | 35 |

c Only 1 company reported, and that too incompletely to tabulate.

TABLE 4.—SUMMARY OF INCOME AND RECEIPTS DURING THE YEAR 1889 OF THE FIRE, TRANSACTING BUSINESS
BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | PREMIUM INCOME. | | | | | | |
|-------------------------------------|----------------------|---|--|--|--|--|--|---|
| | | Fire premiums and assessments. | | | | Net cash received for ocean marine premiums. | Net cash received for inland navigation and transportation premiums. | Total net cash received for premiums and assessments. |
| | | Net cash received for fire premiums and fees. | Deposit premiums received on perpetual risks less amount returned during the year. | Received for assessments or calls on premium notes or otherwise. | Total net cash received for fire premiums and assessments. | | | |
| 1 Virginia..... | 22 | \$510,365 | ..... | \$45,720 | \$556,085 | \$1,584 | \$398 | \$558,067 |
| 2 Class 1..... | 8 | 469,241 | ..... | ..... | 469,241 | 1,584 | 398 | 471,233 |
| 3 Class 4..... | 3 | 41,124 | ..... | 1,118 | 42,242 | ..... | ..... | 42,242 |
| 4 Class 5..... | a11 | ..... | ..... | 44,602 | 44,602 | ..... | ..... | 44,602 |
| 5 Washington..... | 6 | 94,532 | ..... | 3,000 | 97,532 | ..... | ..... | 97,532 |
| 6 Class 1..... | b6 | 94,532 | ..... | 3,000 | 97,532 | ..... | ..... | 97,532 |
| 7 West Virginia..... | 11 | 456,816 | ..... | 1,528 | 458,344 | ..... | ..... | 458,344 |
| 8 Class 1..... | a9 | 456,124 | ..... | ..... | 456,124 | ..... | ..... | 456,124 |
| 9 Class 4..... | 1 | 692 | ..... | ..... | 692 | ..... | ..... | 692 |
| 10 Class 5..... | 1 | ..... | ..... | 1,528 | 1,528 | ..... | ..... | 1,528 |
| 11 Wisconsin..... | 189 | 1,826,236 | ..... | 290,779 | 2,117,015 | ..... | 1,916 | 2,118,931 |
| 12 Class 1..... | 4 | 1,596,841 | ..... | ..... | 1,596,841 | ..... | 1,916 | 1,598,757 |
| 13 Class 3..... | 2 | 146,428 | ..... | 18,025 | 164,453 | ..... | ..... | 164,453 |
| 14 Class 4..... | 2 | 82,967 | ..... | 34,284 | 117,251 | ..... | ..... | 117,251 |
| 15 Class 5..... | a181 | ..... | ..... | 238,470 | 238,470 | ..... | ..... | 238,470 |
| 16 Foreign..... | 73 | 28,828,381 | \$17,872 | ..... | 28,846,253 | 3,586,240 | 278,607 | 32,711,100 |
| 17 Class 1..... | a73 | 28,828,381 | 17,872 | ..... | 28,846,253 | 3,586,240 | 278,607 | 32,711,100 |

a Includes 1 company for which no report is made.

b Includes 3 companies for which no report is made.

INSURANCE.

571

OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| INCOME FROM INVESTMENTS. | | Borrowed money received. | Cash received from home offices of foreign companies. | Cash received from all other sources exclusive of increased capital or calls on capital. | Cash received from increased capital or calls on capital. | Total amount of cash received from all sources. | RECEIPTS OTHER THAN CASH. | | Total income and receipts during the year. | |
|--|---|--------------------------|---|--|---|---|--|---|--|----|
| Cash received for interest and dividends on bonds, stocks, loans, and other resources. | Cash received from rents and other investments. | | | | | | Bills receivable during the year remaining unpaid. | Premium notes, contingent premiums, and all other resources subject to assessment received during the year. | | |
| \$97,242 | \$3,920 | | | \$62,831 | | \$722,060 | | \$1,003,421 | \$1,725,481 | 1 |
| 93,362 | 3,920 | | | 21,221 | | 589,726 | | | 589,726 | 2 |
| 3,880 | | | | 41,610 | | 46,122 | | 5,027 | 52,040 | 3 |
| | | | | | | 86,212 | | 997,494 | 1,083,706 | 4 |
| 12,536 | | \$25,000 | | 1,519 | \$20,000 | 156,587 | \$3,375 | | 159,962 | 5 |
| 12,536 | | 25,000 | | 1,519 | 20,000 | 156,587 | 3,375 | | 159,962 | 6 |
| 20,518 | 3,013 | | | 7,579 | 10,000 | 499,454 | | 25,511 | 524,065 | 7 |
| 20,331 | 3,013 | | | 7,339 | 10,000 | 496,807 | | | 496,807 | 8 |
| 187 | | | | 240 | | 879 | | 11 | 890 | 9 |
| | | | | | | 1,768 | | 25,500 | 27,268 | 10 |
| 198,436 | 1,009 | 239 | | 57,671 | | 2,376,277 | 38,822 | 30,137,868 | 32,552,967 | 11 |
| 197,476 | 1,000 | | | 1,866 | | 1,799,099 | 38,822 | | 1,837,921 | 12 |
| 872 | | | | 33,451 | | 198,776 | | 103,678 | 302,454 | 13 |
| 88 | | | | 2,109 | | 119,448 | | 136,945 | 255,793 | 14 |
| | | 239 | | 20,245 | | 258,954 | | 29,897,845 | 30,156,799 | 15 |
| 1,471,236 | 198,135 | | \$1,533,692 | 11,003 | 7,787 | 35,932,953 | | | 35,932,953 | 16 |
| 1,471,236 | 198,135 | | 1,533,692 | 11,003 | 7,787 | 35,932,953 | | | 35,932,953 | 17 |

^c Includes 6 companies for which no report is made.

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTION BUSINESS
BY CLASSES.

| | CLASSES AND STATES AND TERRITORIES. | Number of companies. | LOSSES PAID IN CASH— | | | | | |
|---|-------------------------------------|----------------------|----------------------|--------------------------|-------------------------|------------------------|--|---------------------------------------|
| | | | Fire losses— | | | On ocean marine risks. | On inland navigation and transportation risks. | Total amount paid in cash for losses. |
| | | | On term fire risks. | On perpetual fire risks. | Total fire losses paid. | | | |
| 1 | Total | a1,926 | \$75,977,096 | \$101,665 | \$76,078,761 | \$8,599,290 | \$1,905,755 | \$86,583,806 |
| 2 | Class 1..... | 434 | 67,782,901 | 73,547 | 67,856,448 | 5,299,369 | 1,905,755 | 75,061,572 |
| 3 | Class 2..... | 3 | 44,678 | | 44,678 | 126,298 | | 170,976 |
| 4 | Class 3..... | 51 | 2,293,787 | | 2,293,787 | | | 2,293,787 |
| 5 | Class 3a..... | 5 | | | | 3,233,023 | | 3,233,023 |
| 6 | Class 4..... | 152 | 3,796,093 | 28,118 | 3,824,811 | | | 3,824,811 |
| 7 | Class 5..... | 1,281 | 2,059,037 | | 2,059,037 | | | 2,059,037 |

BY STATES.

| | | | | | | | | |
|----|---------------------------|--------|------------|---------|------------|-----------|-----------|------------|
| 8 | Total | a1,926 | 75,977,096 | 101,665 | 76,078,761 | 8,599,290 | 1,905,755 | 86,583,806 |
| 9 | Alabama..... | 7 | 221,937 | | 221,937 | 1,515 | 5,566 | 229,018 |
| 10 | Class 1..... | 7 | 221,937 | | 221,937 | 1,515 | 5,566 | 229,018 |
| 11 | Arkansas..... | 1 | 2,135 | | 2,135 | | | 2,135 |
| 12 | Class 1..... | 1 | 2,135 | | 2,135 | | | 2,135 |
| 13 | California..... | 11 | 3,357,389 | | 3,357,389 | 389,426 | 48,812 | 3,795,627 |
| 14 | Class 1..... | 11 | 3,357,389 | | 3,357,389 | 389,426 | 48,812 | 3,795,627 |
| 15 | Colorado..... | 1 | 8,500 | | 8,500 | | | 8,500 |
| 16 | Class 1..... | 1 | 8,500 | | 8,500 | | | 8,500 |
| 17 | Connecticut..... | 27 | 7,022,538 | | 7,022,538 | | 166,709 | 7,189,247 |
| 18 | Class 1..... | 10 | 6,914,934 | | 6,914,934 | | 166,709 | 7,081,643 |
| 19 | Class 4..... | 1 | 19,765 | | 19,765 | | | 19,765 |
| 20 | Class 5..... | 16 | 87,839 | | 87,839 | | | 87,839 |
| 21 | Delaware..... | 6 | 61,543 | | 61,543 | | | 61,543 |
| 22 | Class 4..... | 3 | 61,343 | | 61,343 | | | 61,343 |
| 23 | Class 5..... | 3 | 200 | | 200 | | | 200 |
| 24 | District of Columbia..... | 13 | 34,069 | | 34,069 | | | 34,069 |
| 25 | Class 1..... | 11 | 28,041 | | 28,041 | | | 28,041 |
| 26 | Class 4..... | 2 | 6,028 | | 6,028 | | | 6,028 |
| 27 | Georgia..... | 9 | 409,706 | | 409,706 | | | 409,706 |
| 28 | Class 1..... | 67 | 250,973 | | 250,973 | | | 250,973 |
| 29 | Class 3..... | 1 | 408 | | 408 | | | 408 |
| 30 | Class 4..... | 1 | 158,325 | | 158,325 | | | 158,325 |
| 31 | Illinois..... | 214 | 2,363,156 | | 2,363,156 | | | 2,363,156 |
| 32 | Class 1..... | 8 | 1,499,168 | | 1,499,168 | | | 1,499,168 |
| 33 | Class 3..... | 8 | 403,027 | | 403,027 | | | 403,027 |
| 34 | Class 4..... | 111 | 355,414 | | 355,414 | | | 355,414 |
| 35 | Class 5..... | 1187 | 105,547 | | 105,547 | | | 105,547 |

a Includes 50 companies for which no report is made.

INSURANCE.

573

MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889.

BY CLASSES.

| DIVIDENDS AND PROFITS PAID IN CASH. | | | | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT. | | |
|-------------------------------------|--|---|--|---|--|----------------------------|
| Dividends paid to stockholders. | Scrap, or certificate of profit redeemed in cash and interest paid on scrip. | Cash returned as dividends or profits on terminated policies. | Total cash paid for dividends and profits. | Salaries, fees, and other compensation to officers. | Salaries, fees, and other compensation to clerks and other employes. | Commissions and brokerage. |
| \$8,482,171 | \$2,486,496 | \$4,271,394 | \$15,240,061 | \$5,202,008 | \$6,173,941 | \$22,441,806 |
| 8,249,224 | 90,763 | 15,579 | 8,364,506 | 3,975,974 | 5,475,793 | 21,495,422 |
| 14,948 | 72 | 6,175 | 21,195 | 26,508 | 1,205 | 30,746 |
| 70,392 | 1,705 | 3,309,591 | 3,390,688 | 142,072 | 180,573 | 99,852 |
| 10,000 | 2,014,512 | ----- | 2,024,512 | 397,021 | 31,670 | 78,011 |
| 128,607 | 370,444 | 608,127 | 1,107,178 | 236,323 | 475,700 | 737,175 |
| ----- | ----- | 331,922 | 331,922 | 423,505 | ----- | ----- |

BY STATES.

| | | | | | | |
|-----------|-----------|-----------|------------|-----------|-----------|------------|
| 8,482,171 | 2,486,496 | 4,271,394 | 15,240,061 | 5,202,008 | 6,173,941 | 22,441,806 |
| 61,824 | ----- | 2,302 | 64,126 | 19,755 | 25,467 | 60,686 |
| 61,824 | ----- | 2,302 | 64,126 | 19,755 | 25,467 | 60,686 |
| ----- | ----- | ----- | ----- | ----- | ----- | 3,018 |
| ----- | ----- | ----- | ----- | ----- | ----- | 3,018 |
| 360,549 | ----- | ----- | 360,549 | 217,585 | 272,599 | 1,035,051 |
| 360,549 | ----- | ----- | 360,549 | 217,585 | 272,599 | 1,035,051 |
| ----- | ----- | ----- | ----- | 15,276 | ----- | 15,056 |
| ----- | ----- | ----- | ----- | 15,276 | ----- | 15,056 |
| 1,543,500 | ----- | 2,633 | 1,546,133 | 730,307 | 83,405 | 2,002,625 |
| 1,543,500 | ----- | ----- | 1,543,500 | 702,480 | 83,375 | 1,998,976 |
| ----- | ----- | ----- | ----- | 2,400 | 30 | 3,649 |
| ----- | ----- | 2,633 | 2,633 | 25,487 | ----- | ----- |
| 17,172 | ----- | 13,850 | 31,031 | 10,725 | 2,689 | 5,020 |
| 17,172 | ----- | 13,463 | 30,635 | 10,325 | 2,689 | 5,020 |
| ----- | ----- | 396 | 396 | 400 | ----- | ----- |
| 119,196 | ----- | 14,477 | 133,673 | 38,548 | 12,341 | 15,497 |
| 118,610 | ----- | 1,004 | 119,674 | 30,848 | 10,571 | 15,497 |
| 580 | ----- | 13,413 | 13,999 | 7,700 | 1,770 | ----- |
| 65,156 | 137,709 | 348 | 203,213 | 20,029 | 42,832 | 116,275 |
| 65,156 | 3,179 | 348 | 68,335 | 5,129 | 39,482 | 80,692 |
| ----- | ----- | ----- | 348 | 900 | 900 | 21 |
| ----- | 134,530 | ----- | 134,530 | 14,000 | 2,450 | 35,562 |
| 304,116 | 1,544 | 21,341 | 327,001 | 55,806 | 309,732 | 783,580 |
| 217,929 | ----- | ----- | 217,929 | 15,300 | 245,493 | 669,901 |
| 58,138 | 1,282 | 21,284 | 80,704 | 13,250 | 69,702 | 28,329 |
| 28,049 | 202 | ----- | 28,311 | 13,420 | 54,537 | 85,260 |
| ----- | ----- | 57 | 57 | 13,836 | ----- | ----- |

b Includes 1 company for which no report is made.

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTIONING BUSINESS

BY CLASSES—Continued.

| CLASSES AND STATES AND TERRITORIES. | CASH PAID ON ACCOENT OF EXPENSE OF MANAGEMENT—continued. | | | Cash paid for taxes on real estate. | Borrowed money returned during the year. | Interest paid during the year exclusive of interest on scrip. |
|-------------------------------------|---|---|--|-------------------------------------|--|---|
| | Taxes on premiums, registry fees, licenses for benevolent associations, fire departments, patrols, etc. | All other expenditures on account of expense. | Total cash paid for expense of management. | | | |
| 1 Total | \$3,033,017 | \$9,997,445 | \$46,848,217 | \$153,183 | \$41,739 | \$383,987 |
| 2 Class 1 | 2,735,258 | 9,056,506 | 42,738,953 | 146,152 | | 310,091 |
| 3 Class 2 | 2,266 | 17,973 | 78,698 | | | |
| 4 Class 3 | 109,572 | 308,155 | 849,824 | | | 7,105 |
| 5 Class 3a | 52,085 | 43,447 | 602,834 | | | |
| 6 Class 4 | 94,615 | 571,343 | 2,115,161 | 7,031 | 41,739 | 16,963 |
| 7 Class 5 | 30,221 | 21 | 462,747 | | | 49,828 |

BY STATES—Continued.

| | | | | | | |
|-------------------------------|-----------|-----------|------------|---------|--------|---------|
| 8 Total | 3,033,017 | 9,997,445 | 46,848,217 | 153,183 | 41,739 | 383,987 |
| 9 Alabama | 9,882 | 33,681 | 149,471 | 6,254 | | 4,507 |
| 10 Class 1 | 9,882 | 33,681 | 149,471 | 6,254 | | 4,507 |
| 11 Arkansas | | 563 | 3,581 | | | |
| 12 Class 1 | | 563 | 3,581 | | | |
| 13 California | 79,790 | 573,808 | 2,178,833 | 22,431 | | |
| 14 Class 1 | 79,790 | 573,808 | 2,178,833 | 22,431 | | |
| 15 Colorado | 1,468 | 12,864 | 44,664 | | | |
| 16 Class 1 | 1,468 | 12,864 | 44,664 | | | |
| 17 Connecticut | 264,779 | 900,017 | 3,981,103 | 4,660 | | 40 |
| 18 Class 1 | 254,127 | 897,783 | 3,936,741 | 4,660 | | |
| 19 Class 4 | 545 | 2,234 | 8,858 | | | |
| 20 Class 5 | 10,107 | | 35,504 | | | 40 |
| 21 Delaware | 1,602 | 4,869 | 24,305 | 824 | 4,000 | 2,912 |
| 22 Class 4 | 887 | 4,869 | 23,790 | 824 | 4,000 | 2,870 |
| 23 Class 5 | 115 | | 515 | | | 42 |
| 24 District of Columbia | 15,720 | 17,684 | 99,790 | 1,211 | 15,000 | 323 |
| 25 Class 1 | 14,520 | 16,960 | 88,396 | 1,211 | | 204 |
| 26 Class 4 | 1,200 | 724 | 11,394 | | 15,000 | 119 |
| 27 Georgia | 27,390 | 17,851 | 224,377 | 735 | | |
| 28 Class 1 | 21,285 | 13,734 | 160,322 | 395 | | |
| 29 Class 3 | 116 | 431 | 2,368 | | | |
| 30 Class 4 | 5,989 | 3,686 | 61,687 | 340 | | |
| 31 Illinois | 85,796 | 142,238 | 1,437,152 | 333 | | 147 |
| 32 Class 1 | 73,582 | 58,712 | 1,063,078 | 333 | | |
| 33 Class 3 | 6,601 | 43,157 | 161,010 | | | |
| 34 Class 4 | 5,408 | 40,369 | 198,994 | | | |
| 35 Class 5 | 205 | | 14,041 | | | 147 |

a Excess of expenditures over income.

INSURANCE.

575

MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY CLASSES—Continued.

| Amount re- turned to home office from foreign com- panies. | All other ex- penditures in cash during the year. | Total expendi- tures in cash during the year. | EXPENDITURES OTHER THAN CASH. | | Total expendi- tures during the year. | Excess of income over expendi- tures. | |
|--|--|---|--|--|---|---|---|
| | | | Assessments on premium or deposit notes that reduced their face value. | Notes and all other resources subject to assess- ment returned or canceled during the year. | | | |
| \$2,741,096 | \$716,523 | \$152,708,612 | \$1,540 | \$137,269,497 | \$289,979,649 | \$87,560,093 | 1 |
| 2,741,096 | | 129,302,430 | | | 129,302,430 | 5,048,964 | 2 |
| | | 270,869 | | | 270,869 | 34,816 | 3 |
| | | 6,541,404 | | 13,110,024 | 19,652,028 | 12,483,044 | 4 |
| | | 5,860,969 | | | 5,860,969 | 603,027 | 5 |
| | | 7,112,883 | 1,540 | 11,175,203 | 18,289,626 | 2,450,558 | 6 |
| | 716,523 | 3,620,057 | | 112,983,670 | 116,603,727 | 68,206,638 | 7 |

BY STATES—Continued.

| | | | | | | | |
|-----------|---------|-------------|-------|-------------|-------------|------------|----|
| 2,741,096 | 716,523 | 152,708,612 | 1,540 | 137,269,497 | 289,979,649 | 87,560,093 | 8 |
| | | 453,376 | | | 453,376 | 40,030 | 9 |
| | | 453,376 | | | 453,376 | 40,030 | 10 |
| | | 5,716 | | | 5,716 | 12,554 | 11 |
| | | 5,716 | | | 5,716 | 12,554 | 12 |
| | | 6,366,440 | | | 6,366,440 | 278,578 | 13 |
| | | 6,366,440 | | | 6,366,440 | 278,578 | 14 |
| | | 53,164 | | | 53,164 | 15,302 | 15 |
| | | 53,164 | | | 53,164 | 15,302 | 16 |
| | 30,823 | 12,752,006 | | 1,458,222 | 14,210,318 | 1,413,187 | 17 |
| | | 12,566,544 | | | 12,566,544 | 520,930 | 18 |
| | | 28,623 | | | 28,623 | 608 | 19 |
| | 30,823 | 150,929 | | 1,458,222 | 1,615,151 | 803,240 | 20 |
| | 770 | 125,385 | | 1,701,054 | 1,826,430 | 620,155 | 21 |
| | | 123,462 | | 35,995 | 159,457 | 1,012,287 | 22 |
| | 770 | 1,023 | | 1,665,059 | 1,666,982 | 1,032,442 | 23 |
| | | 284,066 | | | 284,066 | 102,077 | 24 |
| | | 237,526 | | | 237,526 | 82,409 | 25 |
| | | 46,540 | | | 46,540 | 20,568 | 26 |
| | | 838,031 | | | 838,031 | 6,029 | 27 |
| | | 480,025 | | | 480,025 | 57,287 | 28 |
| | | 3,124 | | | 3,124 | 2,304 | 29 |
| | | 354,882 | | | 354,882 | 65,680 | 30 |
| | 20,440 | 4,148,229 | | 9,701,910 | 13,850,139 | 6,043,333 | 31 |
| | | 2,780,508 | | | 2,780,508 | 180,721 | 32 |
| | | 644,770 | | | 644,770 | 49,800 | 33 |
| | | 682,719 | | 135,629 | 718,348 | 25,342 | 34 |
| | 20,440 | 140,232 | | 9,566,281 | 9,706,513 | 5,787,470 | 35 |

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTION BUSINESS
BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | Number of companies. | LOSSES PAID IN CASH— | | | | | |
|----|-------------------------------------|----------------------|----------------------|--------------------------|-------------------------|------------------------|--|---------------------------------------|
| | | | Fire losses— | | | On ocean marine risks. | On inland navigation and transportation risks. | Total amount paid in cash for losses. |
| | | | On term fire risks. | On perpetual fire risks. | Total fire losses paid. | | | |
| 1 | Indiana | 71 | \$102,610 | | \$102,610 | | \$3,785 | \$106,395 |
| 2 | Class 1..... | a6 | 38,782 | | 38,782 | | 3,785 | 42,567 |
| 3 | Class 3..... | a3 | 4,415 | | 4,415 | | | 4,415 |
| 4 | Class 4..... | 2 | 10,474 | | 10,474 | | | 10,474 |
| 5 | Class 5..... | b60 | 48,939 | | 48,939 | | | 48,939 |
| 6 | Iowa..... | 144 | 972,814 | | 972,814 | | | 972,814 |
| 7 | Class 1..... | 10 | 674,569 | | 674,569 | | | 674,569 |
| 8 | Class 2..... | 1 | 37,070 | | 37,070 | | | 37,070 |
| 9 | Class 3..... | 1 | 33,345 | | 33,345 | | | 33,345 |
| 10 | Class 4..... | 5 | 124,537 | | 124,537 | | | 124,537 |
| 11 | Class 5..... | 127 | 103,293 | | 103,293 | | | 103,293 |
| 12 | Kansas..... | 14 | 30,149 | | 30,149 | | | 30,149 |
| 13 | Class 3..... | 1 | 13,518 | | 13,518 | | | 13,518 |
| 14 | Class 4..... | 2 | 13,700 | | 13,700 | | | 13,700 |
| 15 | Class 5..... | 11 | 2,931 | | 2,931 | | | 2,931 |
| 16 | Kentucky..... | 20 | 475,293 | | 475,293 | | 187,501 | 662,794 |
| 17 | Class 1..... | 12 | 446,944 | | 446,944 | | 187,501 | 634,445 |
| 18 | Class 4..... | 3 | 7,760 | | 7,760 | | | 7,760 |
| 19 | Class 5..... | 5 | 20,589 | | 20,589 | | | 20,589 |
| 20 | Louisiana..... | 16 | 1,215,427 | | 1,215,427 | \$18,373 | 163,643 | 1,397,449 |
| 21 | Class 1..... | a16 | 1,215,427 | | 1,215,427 | 18,373 | 163,643 | 1,397,443 |
| 22 | Maine..... | 32 | 31,544 | | 31,544 | 275,875 | | 307,419 |
| 23 | Class 1..... | 2 | | | | 137,134 | | 137,134 |
| 24 | Class 3a..... | 1 | | | | 138,741 | | 138,741 |
| 25 | Class 5..... | a29 | 31,544 | | 31,544 | | | 31,544 |
| 26 | Maryland..... | 32 | 422,384 | | 422,384 | | | 422,384 |
| 27 | Class 1..... | 14 | 265,304 | | 265,304 | | | 265,304 |
| 28 | Class 3..... | 1 | 4,847 | | 4,847 | | | 4,847 |
| 29 | Class 4..... | 10 | 117,073 | | 117,073 | | | 117,073 |
| 30 | Class 5..... | 7 | 35,160 | | 35,160 | | | 35,160 |
| 31 | Massachusetts..... | 67 | 3,507,126 | | 3,507,126 | 1,614,068 | 26,886 | 5,148,080 |
| 32 | Class 1..... | 15 | 2,258,777 | | 2,258,777 | 1,097,380 | 26,886 | 3,383,043 |
| 33 | Class 2..... | 2 | 7,608 | | 7,608 | 126,298 | | 133,906 |
| 34 | Class 3..... | 8 | 685,635 | | 685,635 | | | 685,635 |
| 35 | Class 3a..... | 2 | | | | 300,390 | | 300,390 |
| 36 | Class 4..... | 21 | 464,862 | | 464,862 | | | 464,862 |
| 37 | Class 5..... | 19 | 90,244 | | 90,244 | | | 90,244 |
| 38 | Michigan..... | 66 | 704,219 | | 704,219 | | 70,542 | 774,761 |
| 39 | Class 1..... | 3 | 383,638 | | 383,638 | | 70,542 | 454,180 |
| 40 | Class 3..... | 3 | 65,669 | | 65,669 | | | 65,669 |
| 41 | Class 5..... | 60 | 254,912 | | 254,912 | | | 254,912 |
| 42 | Minnesota..... | 84 | 782,003 | | 782,003 | | 172,682 | 954,685 |
| 43 | Class 1..... | 4 | 574,928 | | 574,928 | | 172,682 | 747,610 |
| 44 | Class 3..... | 2 | 75,916 | | 75,916 | | | 75,916 |
| 45 | Class 4..... | 2 | 105,280 | | 105,280 | | | 105,280 |
| 46 | Class 5..... | c86 | 25,879 | | 25,879 | | | 25,879 |

a Includes 1 company for which no report is made.

b Includes 6 companies for which no report is made.

INSURANCE.

577

MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| DIVIDENDS AND PROFITS PAID IN CASH. | | | | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT. | | | |
|-------------------------------------|---|---|--|---|--|-----------------------------|----------------------|
| Dividends paid to stockholders. | Scrap or certificate of profit redeemed in cash and interest paid on scrip. | Cash returned as dividends or profits on terminated policies. | Total cash paid for dividends and profits. | Salaries, fees, and other compensation to officers. | Salaries, fees, and other compensation to clerks and other employes. | Commissions and brokerage. | |
| \$20,305 | | \$6,904 | \$27,209 | \$9,623 | \$10,066 | \$35,791 | 1 |
| 20,305 | | 6,904 | 20,305 6,904 | 3,525 2,083 | 520 2,047 | 35,687 104 | 2 3 |
| | | | | 4,015 | 7,499 | | 4 5 |
| 111,138 | | 97 | 111,235 | 64,507 | 215,374 | 424,241 | 6 |
| 105,450 948 | | | 105,450 948 | 33,756 8,258 | 173,063 | 372,102 17,377 | 7 8 |
| 4,740 | | 97 | 4,740 97 | 2,700 10,793 | 4,315 37,006 | 34,762 | 9 10 11 |
| | | 5,545 | 5,545 | 2,264 | 4,985 | 11,165 | 12 |
| | | 5,412 133 | 5,412 133 | 1,032 1,232 | 2,000 2,985 | 55 11,110 | 13 14 15 |
| 143,856 | | 238 | 144,094 | 84,871 | 34,867 | 70,689 | 16 |
| 143,856 | | 238 | 143,856 238 | 64,686 12,098 7,187 | 34,774 93 | 68,438 2,251 | 17 18 19 |
| 171,239 | | 12,119 | 183,358 | 17,300 | 148,847 | 225,516 | 20 |
| 171,239 | | 12,119 | 183,358 | 17,300 | 148,847 | 225,516 | 21 |
| 30,000 | | 9,681 | 39,681 | 10,997 | 5,800 | 26,400 | 22 |
| 20,000 10,000 | | | 20,000 10,000 | 6,312 | 500 5,300 | 15,406 16,994 | 23 24 |
| | | 9,681 | 9,681 | 4,685 | | | 25 |
| 207,028 | \$352 | 80,878 | 288,258 | 82,541 | 29,856 | 76,506 | 26 |
| 202,000 1,308 2,760 | 352 | 4,785 1,803 74,290 | 202,000 6,445 4,563 74,290 | 63,125 1,500 5,080 12,836 | 15,678 1,220 12,958 | 76,506 | 27 28 29 30 |
| 453,155 | 58,484 | 2,072,780 | 2,584,419 | 259,639 | 271,856 | 851,984 | 31 |
| 432,155 14,000 | 1,708 72 | | 433,863 20,247 1,474,947 | 108,932 18,250 44,925 | 160,263 1,205 35,640 | 636,420 13,369 | 32 33 34 |
| 7,000 | 56,704 | 442,846 148,812 | 56,704 448,846 148,812 | 13,833 37,058 35,741 | 5,450 60,298 | 36,373 165,822 | 35 36 37 |
| 81,038 | | 2,878 | 83,916 | 58,602 | 32,360 | 138,062 | 38 |
| 79,000 2,038 | | 2,878 | 79,000 4,916 | 14,412 9,682 34,508 | 23,587 8,773 | 122,183 15,879 | 39 40 41 |
| 66,397 | | 42,471 | 108,868 | 13,395 | 84,314 | 306,502 | 42 |
| 52,832 13,565 | | 2,927 39,544 | 52,832 39,544 | 9,009 1,500 2,886 | 59,172 3,000 22,142 | 251,563 27,151 27,788 | 43 44 45 46 |

^a Includes 2 companies for which no report is made.

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTION BUSINESS

BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT—continued. | | | Cash paid for taxes on real estate. | Borrowed money returned during the year. | Interest paid during the year exclusive of interest on scrip. |
|----|-------------------------------------|---|---|--|-------------------------------------|--|---|
| | | Taxes on premiums, registry fees, licenses for benevolent associations, fire departments, patrols, etc. | All other expenditures on account of expense. | Total cash paid for expense of management. | | | |
| 1 | Indiana | \$6,236 | \$9,064 | \$70,780 | | | \$357 |
| 2 | Class 1 | 5,141 | 7,930 | 52,812 | | | |
| 3 | Class 3 | | 1,125 | 5,350 | | | 104 |
| 4 | Class 4 | 1,043 | | 8,542 | | | |
| 5 | Class 5 | 52 | | 4,067 | | | 253 |
| 6 | Iowa | 18,784 | 152,438 | 875,344 | \$4,377 | | 269 |
| 7 | Class 1 | 17,919 | 122,665 | 720,405 | 4,377 | | |
| 8 | Class 2 | | 7,367 | 33,002 | | | |
| 9 | Class 3 | | 2,037 | 6,352 | | | |
| 10 | Class 4 | 769 | 20,369 | 95,696 | | | |
| 11 | Class 5 | 96 | | 19,889 | | | 260 |
| 12 | Kansas | | 17,738 | 36,152 | | \$6,233 | 1,835 |
| 13 | Class 3 | | 3,978 | 6,033 | | | |
| 14 | Class 4 | | 13,760 | 28,887 | | 6,233 | 1,828 |
| 15 | Class 5 | | | 1,232 | | | 7 |
| 16 | Kentucky | 16,638 | 65,733 | 272,798 | 1,760 | | |
| 17 | Class 1 | 16,110 | 61,292 | 245,300 | 1,760 | | |
| 18 | Class 4 | 274 | 4,441 | 20,057 | | | |
| 19 | Class 5 | 254 | | 7,441 | | | |
| 20 | Louisiana | 45,019 | 371,813 | 808,495 | 22,725 | | 277,448 |
| 21 | Class 1 | 45,019 | 371,813 | 808,495 | 22,725 | | 277,448 |
| 22 | Maine | 3,983 | 18,611 | 65,791 | | | 300 |
| 23 | Class 1 | 3,326 | 1,736 | 27,280 | | | |
| 24 | Class 3a | 600 | 16,875 | 33,769 | | | |
| 25 | Class 5 | 57 | | 4,742 | | | 300 |
| 26 | Maryland | 50,347 | 95,715 | 334,965 | 11,006 | | 833 |
| 27 | Class 1 | 40,115 | 27,117 | 222,541 | 10,396 | | |
| 28 | Class 2 | 57 | 1,511 | 4,288 | | | |
| 29 | Class 4 | 470 | 67,087 | 85,595 | 610 | | 740 |
| 30 | Class 5 | 9,705 | | 22,541 | | | 84 |
| 31 | Massachusetts | 162,006 | 552,964 | 2,098,449 | 1,979 | | 424 |
| 32 | Class 1 | 107,613 | 407,712 | 1,429,940 | 1,285 | | |
| 33 | Class 2 | 2,266 | 10,606 | 45,696 | | | |
| 34 | Class 3 | 25,565 | 61,086 | 167,216 | | | 66 |
| 35 | Class 3a | 6,722 | 15,154 | 77,532 | | | |
| 36 | Class 4 | 16,743 | 58,406 | 338,827 | 694 | | 30 |
| 37 | Class 5 | 3,497 | | 30,238 | | | 328 |
| 38 | Michigan | 26,975 | 70,147 | 326,146 | | | 21,215 |
| 39 | Class 1 | 26,931 | 61,095 | 248,268 | | | |
| 40 | Class 3 | 44 | 9,052 | 43,430 | | | 100 |
| 41 | Class 5 | | | 34,508 | | | 21,115 |
| 42 | Minnesota | 25,541 | 150,593 | 580,345 | | | 23 |
| 43 | Class 1 | 23,420 | 60,171 | 403,335 | | | |
| 44 | Class 3 | 1,423 | 46,260 | 77,834 | | | |
| 45 | Class 4 | 326 | 44,141 | 95,897 | | | |
| 46 | Class 5 | 372 | 21 | 3,279 | | | 23 |

a Excess of expenditures over income.

INSURANCE.

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MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| Amount returned to home office from foreign companies. | All other expenditures in cash during the year. | Total expenditures in cash during the year. | EXPENDITURES OTHER THAN CASH. | | Total expenditures during the year. | Excess of income over expenditures. | |
|--|---|---|--|---|-------------------------------------|-------------------------------------|----|
| | | | Assessments on premium or deposit notes that reduced their face value. | Notes and all other resources subject to assessment returned or canceled during the year. | | | |
| | \$3,936 | \$208,677 | | \$1,482,848 | \$1,691,525 | \$3,924,423 | 1 |
| | | 115,684 | | | 115,684 | 148,875 | 2 |
| | | 16,782 | | | 16,782 | 11,004 | 3 |
| | | 10,010 | | 2,291 | 21,307 | 67,751 | 4 |
| | 3,936 | 57,195 | | 1,480,557 | 1,537,752 | 3,600,793 | 5 |
| | 18,760 | 1,082,799 | | 6,094,534 | 8,077,333 | 10,814,383 | 6 |
| | | 1,504,801 | | | 1,504,801 | 290,001 | 7 |
| | | 71,020 | | | 71,020 | 46,320 | 8 |
| | | 39,697 | | 7,767 | 47,464 | 11,934 | 9 |
| | | 224,973 | | 227,389 | 452,362 | 139,305 | 10 |
| | 18,760 | 142,308 | | 5,859,378 | 6,001,686 | 10,332,754 | 11 |
| | 2,466 | 82,380 | | 45,497 | 127,877 | 248,658 | 12 |
| | | 10,551 | | | 10,551 | 17,957 | 13 |
| | | 56,060 | | 4,281 | 60,341 | 43,040 | 14 |
| | 2,466 | 6,769 | | 41,216 | 47,985 | 234,650 | 15 |
| | 10,920 | 1,092,366 | | 158,572 | 1,250,938 | 312,164 | 16 |
| | | 1,025,361 | | | 1,025,361 | 1,167 | 17 |
| | | 28,055 | | | 28,055 | 9,993 | 18 |
| | 10,920 | 38,950 | | 158,572 | 197,522 | 303,398 | 19 |
| | | 2,689,400 | | | 2,689,460 | 499,057 | 20 |
| | | 2,689,400 | | | 2,689,460 | 499,057 | 21 |
| | 4,567 | 417,758 | | 93,589 | 511,347 | 55,103 | 22 |
| | | 184,414 | | | 184,414 | 16,696 | 23 |
| | | 182,510 | | | 182,510 | 2,845 | 24 |
| | 4,567 | 50,834 | | 93,589 | 144,423 | 35,622 | 25 |
| | 1,881 | 1,059,327 | | 684,139 | 1,743,466 | 213,818 | 26 |
| | | 701,201 | | | 701,201 | 109,068 | 27 |
| | | 15,580 | | 136,252 | 151,832 | 1,086 | 28 |
| | | 208,590 | | 292,217 | 500,807 | 234,875 | 29 |
| | 1,881 | 134,956 | | 255,670 | 390,626 | 369,811 | 30 |
| | 42,206 | 9,875,557 | | 12,359,711 | 22,235,268 | 755,295 | 31 |
| | | 5,248,131 | | | 5,248,131 | 157,990 | 32 |
| | | 199,849 | | | 199,849 | 11,513 | 33 |
| | | 2,327,804 | | 10,824,842 | 13,152,706 | 622,845 | 34 |
| | | 524,626 | | | 524,626 | 141,548 | 35 |
| | | 1,254,259 | | 982,015 | 2,236,274 | 337,310 | 36 |
| | 42,206 | 320,828 | | 552,854 | 873,682 | 306,191 | 37 |
| | 107,833 | 1,313,871 | | 12,534,973 | 13,848,844 | 5,019,900 | 38 |
| | | 781,388 | | | 781,388 | 74,407 | 39 |
| | | 114,115 | | 62,523 | 176,638 | 85,123 | 40 |
| | 107,833 | 418,368 | | 12,472,450 | 12,890,818 | 5,700,340 | 41 |
| | 8,944 | 1,652,805 | | 2,073,261 | 3,726,126 | 5,254,043 | 42 |
| | | 1,203,777 | | | 1,203,777 | 151,418 | 43 |
| | | 170,242 | | 171,387 | 341,629 | 94,811 | 44 |
| | | 240,721 | | 124,562 | 365,283 | 70,620 | 45 |
| | 8,944 | 38,125 | | 1,777,812 | 1,815,437 | 1,037,194 | 46 |

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSPORTING BUSINESS
BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | LOSSES PAID IN CASH— | | | | | |
|-------------------------------------|----------------------|----------------------|--------------------------|-------------------------|------------------------|--|---------------------------------------|
| | | Fire losses— | | | On ocean marine risks. | On inland navigation and transportation risks. | Total amount paid in cash for losses. |
| | | On term fire risks. | On perpetual fire risks. | Total fire losses paid. | | | |
| 1 Mississippi | 3 | \$58,443 | | \$58,443 | | | \$58,443 |
| 2 Class 1 | 3 | 58,443 | | 58,443 | | | 58,443 |
| 3 Missouri | 43 | 514,256 | | 514,256 | | \$11,411 | 525,667 |
| 4 Class 1 | 4 | 419,121 | | 419,121 | | 11,411 | 430,532 |
| 5 Class 4 | 12 | 86,341 | | 86,341 | | | 86,341 |
| 6 Class 5 | 27 | 8,794 | | 8,794 | | | 8,794 |
| 7 Nebraska | 14 | 103,247 | | 103,247 | | | 103,247 |
| 8 Class 1 | 4 | 92,804 | | 92,804 | | | 92,804 |
| 9 Class 5 | 10 | 10,443 | | 10,443 | | | 10,443 |
| 10 New Hampshire | 46 | 1,041,642 | | 1,041,642 | | | 1,041,642 |
| 11 Class 1 | 59 | 940,782 | | 940,782 | | | 940,782 |
| 12 Class 4 | 7 | 78,903 | | 78,903 | | | 78,903 |
| 13 Class 5 | 30 | 21,957 | | 21,957 | | | 21,957 |
| 14 New Jersey | 37 | 1,273,335 | | 1,273,335 | | | 1,273,335 |
| 15 Class 1 | 10 | 1,178,010 | | 1,178,010 | | | 1,178,010 |
| 16 Class 4 | 10 | 29,580 | | 29,580 | | | 29,580 |
| 17 Class 5 | 17 | 65,745 | | 65,745 | | | 65,745 |
| 18 New York | 184 | 17,566,542 | | 17,566,542 | \$2,995,370 | 314,084 | 20,875,996 |
| 19 Class 1 | 57 | 16,516,693 | | 16,516,693 | 200,878 | 314,084 | 17,121,655 |
| 20 Class 3a | 2 | | | | 2,704,492 | | 2,704,492 |
| 21 Class 4 | 12 | 878,776 | | 878,776 | | | 878,776 |
| 22 Class 5 | 113 | 171,073 | | 171,073 | | | 171,073 |
| 23 North Carolina | 3 | 34,972 | | 34,972 | | | 34,972 |
| 24 Class 1 | 3 | 34,972 | | 34,972 | | | 34,972 |
| 25 North Dakota | 5 | 1,691 | | 1,691 | | | 1,691 |
| 26 Class 1 | 1 | | | | | | |
| 27 Class 5 | 4 | 1,691 | | 1,691 | | | 1,691 |
| 28 Ohio | 136 | 2,250,019 | | 2,250,019 | | 91,588 | 2,341,607 |
| 29 Class 1 | 29 | 1,243,579 | | 1,243,579 | | 91,588 | 1,335,167 |
| 30 Class 3 | 4 | 56,203 | | 56,203 | | | 56,203 |
| 31 Class 4 | 17 | 757,636 | | 757,636 | | | 757,636 |
| 32 Class 5 | 86 | 192,601 | | 192,601 | | | 192,601 |
| 33 Oregon | 6 | 439,010 | | 439,010 | | | 439,010 |
| 34 Class 1 | 6 | 439,010 | | 439,010 | | | 439,010 |
| 35 Pennsylvania | 244 | 7,769,277 | \$73,547 | 7,842,824 | 1,310,485 | 399,283 | 9,552,592 |
| 36 Class 1 | 42 | 6,836,815 | 73,547 | 6,910,362 | 1,310,485 | 399,283 | 8,620,130 |
| 37 Class 3 | 5 | 55,798 | | 55,798 | | | 55,798 |
| 38 Class 4 | 10 | 326,377 | | 326,377 | | | 326,377 |
| 39 Class 5 | 178 | 550,287 | | 550,287 | | | 550,287 |

a Includes 4 companies for which no report is made.

b Includes 3 companies for which no report is made.

INSURANCE.

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MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| DIVIDENDS AND PROFITS PAID IN CASH. | | | | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT. | | | |
|-------------------------------------|--|---|--|---|--|------------------------------|----------------------|
| Dividends paid to stockholders. | Script or certificate of profit redeemed in cash and interest paid on scrip. | Cash returned as dividends or profits on terminated policies. | Total cash paid for dividends and profits. | Salaries, fees, and other compensation to officers. | Salaries, fees, and other compensation to clerks and other employes. | Commissions and brokerage. | |
| | | | | \$600 | \$4,987 | \$21,183 | 1 |
| | | | | 600 | 4,987 | 21,183 | 2 |
| \$75,000 | | \$361 | \$75,361 | 68,794 | 71,160 | 145,560 | 3 |
| 75,000 | | 361 | 75,000 361 | 29,050 38,292 1,512 | 51,790 19,379 | 115,175 30,394 | 4 5 6 |
| 4,950 | | | 4,950 | 25,728 | 21,572 | 43,182 | 7 |
| 4,950 | | | 4,950 | 24,031 1,687 | 21,572 | 43,182 | 8 9 |
| 69,700 | | 1,093 | 70,793 | 43,063 | 39,084 | 340,844 | 10 |
| 69,400 300 | | 966 127 | 69,400 1,266 127 | 34,760 5,167 8,136 | 37,727 1,357 | 313,132 27,712 | 11 12 13 |
| 211,888 | \$39,254 | 15,729 | 266,871 | 66,806 | 98,028 | 361,066 | 14 |
| 211,888 | 39,254 | 11 15,718 | 251,142 11 15,718 | 44,655 6,076 16,075 | 95,452 2,576 | 359,151 2,815 | 15 16 17 |
| 2,180,172 | 2,201,139 | 2,210 | 4,383,521 | 1,274,248 | 1,927,616 | 5,495,257 | 18 |
| 2,143,029 | 7,756 1,957,808 | | 2,150,785 1,957,808 | 869,112 383,188 | 1,770,133 20,920 | 5,431,324 31,244 | 19 20 |
| 37,143 | 235,575 | 2,053 157 | 274,771 157 | 1,612 20,336 | 136,563 | 32,689 | 21 22 |
| 3,229 | | | 3,229 | 5,500 | 2,150 | 9,060 | 23 |
| 3,229 | | | 3,229 | 5,500 | 2,150 | 9,060 | 24 |
| | | | | 847 | | | 25 |
| | | | | 847 | | | 26 27 |
| 310,574 | 77 | 13,665 | 324,316 | 206,163 | 193,298 | 520,694 | 28 |
| 275,374 4,343 30,857 | 77 | 4,110 8,999 556 | 275,374 8,453 39,933 556 | 118,961 45,979 41,223 | 106,417 22,923 63,958 | 335,197 8,789 176,108 | 29 30 31 32 |
| 53,804 | | | 53,804 | 5,000 | 58,661 | 100,748 | 33 |
| 53,804 | | | 53,804 | 5,000 | 58,661 | 100,748 | 34 |
| 1,378,080 | 47,937 | 132,766 | 1,558,783 | 831,127 | 407,586 | 2,515,576 | 35 |
| 1,378,080 | 47,866 71 | 57,826 31,489 43,451 | 1,425,946 57,897 31,489 43,451 | 674,207 10,066 17,925 128,929 | 373,328 3,185 31,073 | 2,438,656 1,396 75,524 | 36 37 38 39 |

c Includes 2 companies for which no report is made.

d Includes 1 company for which no report is made.

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTIONING BUSINESS

BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT—continued. | | | Cash paid for taxes on real estate. | Borrowed money returned during the year. | Interest paid during the year exclusive of interest on scrip. |
|-------------------------------------|---|---|--|-------------------------------------|--|---|
| | Taxes on premiums, registry fees, licenses for benevolent associations, fire departments, patrols, etc. | All other expenditures on account of expense. | Total cash paid for expense of management. | | | |
| 1 Mississippi..... | \$2,355 | \$22,582 | \$51,707 | | | |
| 2 Class 1..... | 2,355 | 22,582 | 51,707 | | | |
| 3 Missouri..... | 26,381 | 120,784 | 441,637 | \$131 | | \$2,504 |
| 4 Class 1..... | 22,344 | 110,651 | 329,010 | | | |
| 5 Class 4..... | 3,605 | 19,133 | 110,683 | 131 | | 2,500 |
| 6 Class 5..... | 432 | | 1,944 | | | 64 |
| 7 Nebraska..... | 1,272 | 71,866 | 163,620 | | | 8 |
| 8 Class 1..... | 1,272 | 71,866 | 161,923 | | | |
| 9 Class 5..... | | | 1,697 | | | 3 |
| 10 New Hampshire..... | 36,888 | 91,619 | 551,498 | | | 573 |
| 11 Class 1..... | 36,850 | 82,053 | 504,522 | | | |
| 12 Class 4..... | 38 | 9,566 | 43,840 | | | 555 |
| 13 Class 5..... | | | 3,136 | | | 18 |
| 14 New Jersey..... | 61,377 | 188,393 | 776,570 | 5,606 | | 2,314 |
| 15 Class 1..... | 59,286 | 177,689 | 736,233 | 5,521 | | |
| 16 Class 4..... | 507 | 10,704 | 22,678 | 85 | | 594 |
| 17 Class 5..... | 1,584 | | 17,659 | | | 1,720 |
| 18 New York..... | 627,250 | 2,584,743 | 11,909,114 | 24,889 | | 885 |
| 19 Class 1..... | 564,883 | 2,499,980 | 11,135,492 | 24,889 | | 513 |
| 20 Class 3 ^a | 44,763 | 11,418 | 491,533 | | | |
| 21 Class 4..... | 17,561 | 73,345 | 261,770 | | | |
| 22 Class 5..... | 43 | | 20,379 | | | 872 |
| 23 North Carolina..... | 763 | 8,020 | 25,493 | | | 559 |
| 24 Class 1..... | 763 | 8,020 | 25,493 | | | 559 |
| 25 North Dakota..... | | 138 | 985 | | | |
| 26 Class 1..... | | 138 | 985 | | | |
| 27 Class 5..... | | | | | | |
| 28 Ohio..... | 82,734 | 299,297 | 1,301,586 | 9,977 | \$16,506 | 2,743 |
| 29 Class 1..... | 53,251 | 186,196 | 800,022 | 6,168 | | |
| 30 Class 3..... | 579 | 17,108 | 49,399 | | | |
| 31 Class 4..... | 27,272 | 95,993 | 409,310 | 3,809 | 16,506 | 575 |
| 32 Class 5..... | 1,632 | | 42,855 | | | 2,168 |
| 33 Oregon..... | 2,418 | 71,580 | 238,407 | 3,285 | | 400 |
| 34 Class 1..... | 2,418 | 71,580 | 238,407 | 3,285 | | 400 |
| 35 Pennsylvania..... | 408,618 | 883,775 | 5,046,082 | 19,975 | | 26,863 |
| 36 Class 1..... | 396,951 | 771,456 | 4,654,598 | 19,524 | | 4,077 |
| 37 Class 3..... | 149 | 32,342 | 47,138 | | | |
| 38 Class 4..... | 7,515 | 79,977 | 212,014 | 451 | | 33 |
| 39 Class 5..... | 4,003 | | 132,982 | | | 22,753 |

^a Excess of expenditures over income.

INSURANCE.

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MARINE, AND INLAND NAVIGATION AND TRANSPORTATION. INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| Amount re- turned to home office from foreign com- panies. | All other ex- penditures in cash during the year. | Total expendi- tures in cash during the year. | EXPENDITURES OTHER THAN CASH. | | Total expendi- tures during the year. | Excess of income over expenditures. | |
|--|--|---|--|--|---|---|----|
| | | | Assessments on premium or deposit notes that reduced their face value. | Notes and all other resources subject to assess- ment returned or canceled during the year. | | | |
| | | \$110,150 | | | \$110,150 | \$63,470 | 1 |
| | | 110,150 | | | 110,150 | 63,470 | 2 |
| | \$2,148 | 1,047,508 | \$1,540 | \$1,258,560 | 2,307,628 | 869,640 | 3 |
| | | 834,542 | | | 834,542 | 23,189 | 4 |
| | | 200,016 | 1,540 | 941,189 | 1,142,665 | 534,622 | 5 |
| | 2,148 | 12,950 | | 317,441 | 380,391 | 1,381,073 | 6 |
| | 31,109 | 302,929 | | 138,580 | 441,509 | 682,439 | 7 |
| | | 259,677 | | | 259,677 | 170,158 | 8 |
| | 31,109 | 43,252 | | 138,580 | 181,832 | 512,281 | 9 |
| | 18,599 | 1,063,105 | | 358,764 | 2,041,869 | 337,146 | 10 |
| | | 1,514,704 | | | 1,514,704 | 220,321 | 11 |
| | | 124,564 | | 270,993 | 395,557 | 64,227 | 12 |
| | 18,599 | 43,837 | | 87,771 | 131,608 | 32,598 | 13 |
| | 58,761 | 2,383,457 | | 2,800,543 | 5,184,000 | 374,071 | 14 |
| | | 2,170,906 | | | 2,170,906 | 69,387 | 15 |
| | | 52,948 | | 422,750 | 475,707 | 148,552 | 16 |
| | 58,761 | 159,603 | | 2,377,784 | 2,537,387 | 295,806 | 17 |
| | 56,850 | 37,251,255 | | 15,160,307 | 52,411,562 | 17,419,609 | 18 |
| | | 30,433,274 | | | 30,433,274 | 380,958 | 19 |
| | | 5,153,833 | | | 5,153,833 | 524,324 | 20 |
| | | 1,415,317 | | 285,513 | 1,700,830 | 903,929 | 21 |
| | 56,850 | 248,831 | | 14,874,794 | 15,123,625 | 10,659,046 | 22 |
| | | 64,253 | | | 64,253 | 5,502 | 23 |
| | | 64,253 | | | 64,253 | 5,502 | 24 |
| | 171 | 2,847 | | 4,061 | 6,908 | 143,405 | 25 |
| | | 985 | | | 985 | 291 | 26 |
| | 171 | 1,862 | | 4,061 | 5,923 | 143,114 | 27 |
| | 61,767 | 4,058,502 | | 12,291,152 | 16,349,654 | 6,828,658 | 28 |
| | | 2,416,731 | | | 2,416,731 | 478,185 | 29 |
| | | 114,055 | | 156,632 | 270,707 | 314,975 | 30 |
| | | 1,227,769 | | 1,327,097 | 2,554,866 | 766,847 | 31 |
| | 61,767 | 209,947 | | 10,807,403 | 11,107,350 | 5,825,021 | 32 |
| | | 734,906 | | | 734,906 | 103,170 | 33 |
| | | 734,906 | | | 734,906 | 103,170 | 34 |
| | 192,451 | 16,397,346 | | 26,705,673 | 43,103,019 | 15,341,222 | 35 |
| | | 14,724,275 | | | 14,724,275 | 525,490 | 36 |
| | | 160,833 | | 1,641,245 | 1,802,078 | 11,272,094 | 37 |
| | | 570,364 | | 6,022,089 | 6,592,453 | 638,994 | 38 |
| | 192,451 | 941,874 | | 19,042,339 | 19,984,213 | 4,482,632 | 39 |

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTION BUSINESS

BY STATES—Continued.

| STATES AND TERRITORIES AND CLASSES. | Number of companies. | LOSSES PAID IN CASH— | | | | | |
|-------------------------------------|----------------------|----------------------|---------------------------------------|-------------------------|------------------------|--|---------------------------------------|
| | | Fire losses— | | | On ocean marine risks. | On inland navigation and transportation risks. | Total amount paid in cash for losses. |
| | | On term fire risks. | On perpetual fire risks. ^a | Total fire losses paid. | | | |
| 1 Rhode Island | 20 | \$1,513,374 | | \$1,513,374 | \$238,500 | | \$1,751,874 |
| 2 Class 1 | 3 | 731,886 | | 731,886 | 238,500 | | 970,386 |
| 3 Class 3 | 12 | 762,800 | | 762,800 | | | 762,800 |
| 4 Class 4 | 1 | 4,387 | | 4,387 | | | 4,387 |
| 5 Class 5 | 4 | 14,301 | | 14,301 | | | 14,301 |
| 6 South Carolina | 3 | 915 | \$2,766 | 3,681 | | | 3,681 |
| 7 Class 1 | 1 | 75 | | 75 | | | 75 |
| 8 Class 4 | 1 | | 2,766 | 2,766 | | | 2,766 |
| 9 Class 5 | 1 | 840 | | 840 | | | 840 |
| 10 South Dakota | 14 | 156,995 | | 156,995 | | | 156,995 |
| 11 Class 1 | a6 | 155,732 | | 155,732 | | | 155,732 |
| 12 Class 5 | b5 | 1,263 | | 1,263 | | | 1,263 |
| 13 Tennessee | 15 | 222,358 | | 222,358 | | \$6,161 | 228,519 |
| 14 Class 1 | 14 | 222,358 | | 222,358 | | 6,161 | 228,519 |
| 15 Class 4 | c1 | | | | | | |
| 16 Texas | 3 | 115,183 | | 115,183 | | | 115,183 |
| 17 Class 1 | 2 | 115,183 | | 115,183 | | | 115,183 |
| 18 Class 4 | c1 | | | | | | |
| 19 Utah | 1 | | | | | | |
| 20 Class 1 | c1 | | | | | | |
| 21 Vermont | 3 | 163,254 | | 163,254 | | | 163,254 |
| 22 Class 1 | 1 | 12,326 | | 12,326 | | | 12,326 |
| 23 Class 4 | 2 | 150,928 | | 150,928 | | | 150,928 |
| 24 Virginia | 22 | 384,773 | 25,352 | 410,125 | 31 | | 410,156 |
| 25 Class 1 | 8 | 350,788 | | 350,788 | 31 | | 350,819 |
| 26 Class 4 | 3 | 623 | 25,352 | 25,975 | | | 25,975 |
| 27 Class 5 | a11 | 33,362 | | 33,362 | | | 33,362 |
| 28 Washington | 6 | 109,290 | | 109,290 | | | 109,290 |
| 29 Class 1 | d6 | 109,290 | | 109,290 | | | 109,290 |
| 30 West Virginia | 11 | 288,680 | | 288,680 | | | 288,680 |
| 31 Class 1 | a9 | 288,511 | | 288,511 | | | 288,511 |
| 32 Class 4 | 1 | 10 | | 10 | | | 10 |
| 33 Class 5 | 1 | 159 | | 159 | | | 159 |
| 34 Wisconsin | 189 | 1,271,907 | | 1,271,907 | | 3,272 | 1,275,179 |
| 35 Class 1 | 4 | 921,686 | | 921,686 | | 3,272 | 924,958 |
| 36 Class 3 | 2 | 132,206 | | 132,206 | | | 132,206 |
| 37 Class 4 | 2 | 38,571 | | 38,571 | | | 38,571 |
| 38 Class 5 | e181 | 179,444 | | 179,444 | | | 179,444 |
| 39 Foreign | 73 | 18,973,391 | | 18,973,391 | 1,755,587 | 233,830 | 20,962,808 |
| 40 Class 1 | a73 | 18,973,391 | | 18,973,391 | 1,755,587 | 233,830 | 20,962,808 |

a Includes 1 company for which no report is made.
 b Includes 2 companies for which no report is made.

c Only 1 company reported, and that too incompletely to tabulate.

MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| DIVIDENDS AND PROFITS PAID IN CASH. | | | | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT. | | | |
|-------------------------------------|--|---|--|---|---|----------------------------|----|
| Dividends paid to stockholders. | Scrap, or certificate of profit redeemed in cash and interest paid on scrip. | Cash returned as dividends or profits on terminated policies. | Total cash paid for dividends and profits. | Salaries, fees, and other compensation to officers. | Salaries, fees, and other compensation to clerks and other employees. | Commissions and brokerage. | |
| \$71,644 | | \$1,754,786 | \$1,826,430 | \$103,296 | \$102,004 | \$273,347 | 1 |
| 71,644 | | | 71,644 | 31,250 | 70,585 | 270,895 | 2 |
| | | 1,707,939 | 1,707,939 | 60,266 | 25,602 | | 3 |
| | | 13,661 | 13,661 | | 5,817 | 2,452 | 4 |
| | | 33,186 | 33,186 | 11,780 | | | 5 |
| | | | | 850 | 4,000 | | 6 |
| | | | | | 958 | | 7 |
| | | | | 850 | 3,042 | | 8 |
| | | | | | | | 9 |
| 15,963 | | | 15,963 | 5,345 | 30,299 | 48,447 | 10 |
| 15,963 | | | 15,963 | 5,300 | 30,299 | 48,447 | 11 |
| | | | | 45 | | | 12 |
| 62,000 | | | 62,000 | 60,792 | 26,006 | 46,964 | 13 |
| 62,000 | | | 62,000 | 60,792 | 26,006 | 46,964 | 14 |
| | | | | | | | 15 |
| | | | | 4,628 | 5,305 | 34,651 | 16 |
| | | | | 4,628 | 5,305 | 34,651 | 17 |
| | | | | | | | 18 |
| | | | | | | | 19 |
| | | | | | | | 20 |
| 1,050 | | 1,235 | 2,285 | 5,300 | 786 | 17,341 | 21 |
| 1,050 | | | 1,050 | 2,700 | 436 | 5,360 | 22 |
| | | 1,235 | 1,235 | 2,600 | 350 | 11,972 | 23 |
| 55,371 | | 1,176 | 56,547 | 33,072 | 20,100 | 77,437 | 24 |
| 55,371 | | | 55,371 | 19,484 | 13,062 | 77,412 | 25 |
| | | 1,170 | 1,170 | 370 | 7,038 | 25 | 26 |
| | | | | 13,218 | | | 27 |
| 51,048 | | | 51,048 | 5,550 | 900 | 18,345 | 28 |
| 51,048 | | | 51,048 | 5,550 | 900 | 18,345 | 29 |
| 28,000 | | 94 | 28,094 | 9,554 | 19,254 | 65,023 | 30 |
| 28,000 | | 94 | 28,094 | 9,200 | 19,254 | 65,023 | 31 |
| | | | | 354 | | | 32 |
| | | | | | | | 33 |
| 145,029 | | 50,728 | 204,757 | 80,770 | 105,408 | 374,363 | 34 |
| 145,029 | | | 145,029 | 49,772 | 95,232 | 349,915 | 35 |
| | | 25,643 | 25,643 | | 10,266 | 18,128 | 36 |
| | | 31,457 | 31,457 | 9,254 | | 6,320 | 37 |
| | | 2,628 | 2,628 | 21,744 | | | 38 |
| | | | | 653,145 | 1,388,248 | 5,728,805 | 39 |
| | | | | 653,145 | 1,388,248 | 5,728,805 | 40 |

d Includes 3 companies for which no report is made.

e Includes 6 companies for which no report is made.

TABLE 5.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE FIRE, OCEAN
TRANSACTIONING BUSINESS
BY STATES—Continued.

| | STATES AND TERRITORIES AND CLASSES. | CASH PAID ON ACCOUNT OF EXPENSE OF MANAGEMENT—continued. | | | Cash paid for taxes on real estate. | Borrowed money returned during the year. | Interest paid during the year exclusive of interest on scrip. |
|----|-------------------------------------|---|---|--|-------------------------------------|--|---|
| | | Taxes on premiums, registry fees, licenses for benevolent associations, fire departments, patrols, etc. | All other expenditures on account of expense. | Total cash paid for expense of management. | | | |
| 1 | Rhode Island | \$119,238 | \$167,708 | \$765,593 | \$1,456 | | \$0,835 |
| 2 | Class 1 | 36,040 | 92,380 | 501,150 | 1,456 | | |
| 3 | Class 3 | 75,038 | 72,614 | 233,520 | | | 6,835 |
| 4 | Class 4 | 2,921 | 2,714 | 13,904 | | | |
| 5 | Class 5 | 5,239 | | 17,019 | | | |
| 6 | South Carolina | 835 | 692 | 6,377 | 62 | | |
| 7 | Class 1 | 38 | 454 | 1,450 | | | |
| 8 | Class 4 | 797 | 238 | 4,077 | 62 | | |
| 9 | Class 5 | | | 850 | | | |
| 10 | South Dakota | 738 | 70,251 | 155,080 | 79 | | 3,170 |
| 11 | Class 1 | 738 | 70,251 | 155,035 | 79 | | 3,170 |
| 12 | Class 5 | | | 45 | | | |
| 13 | Tennessee | 19,494 | 36,302 | 189,558 | 2,222 | | |
| 14 | Class 1 | 19,494 | 36,302 | 189,558 | 2,222 | | |
| 15 | Class 4 | | | | | | |
| 16 | Texas | 2,713 | 13,786 | 61,083 | | | |
| 17 | Class 1 | 2,713 | 13,786 | 61,083 | | | |
| 18 | Class 4 | | | | | | |
| 19 | Utah | | | | | | |
| 20 | Class 1 | | | | | | |
| 21 | Vermont | 717 | 10,766 | 34,910 | | | 7,110 |
| 22 | Class 1 | 344 | 3,649 | 12,498 | | | |
| 23 | Class 4 | 373 | 7,117 | 22,412 | | | 7,110 |
| 24 | Virginia | 11,674 | 42,436 | 184,719 | 5,435 | | 17,171 |
| 25 | Class 1 | 9,645 | 41,981 | 161,584 | 5,410 | | 17,171 |
| 26 | Class 4 | 772 | 455 | 8,060 | 25 | | |
| 27 | Class 5 | 1,257 | | 14,475 | | | |
| 28 | Washington | 300 | 9,724 | 34,819 | | | 1,200 |
| 29 | Class 1 | 300 | 9,724 | 34,819 | | | 1,200 |
| 30 | West Virginia | 2,993 | 22,754 | 119,578 | 1,771 | | 842 |
| 31 | Class 1 | 2,942 | 22,595 | 119,014 | 1,771 | | 842 |
| 32 | Class 4 | | 159 | 159 | | | |
| 33 | Class 5 | 51 | | 405 | | | |
| 34 | Wisconsin | 51,893 | 123,192 | 740,716 | | | 122 |
| 35 | Class 1 | 51,373 | 98,882 | 645,174 | | | |
| 36 | Class 3 | | 17,454 | 45,848 | | | |
| 37 | Class 4 | | 11,856 | 27,430 | | | |
| 38 | Class 5 | 520 | | 22,264 | | | 122 |
| 39 | Foreign | 731,010 | 1,934,646 | 10,435,854 | | | |
| 40 | Class 1 | 731,010 | 1,934,646 | 10,435,854 | | | |

^a Excess of expenditures over income.

INSURANCE.

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MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES
DECEMBER 31, 1889—Continued.

BY STATES—Continued.

| Amount returned to home office from foreign companies. | All other expenditures in cash during the year. | Total expenditures in cash during the year. | EXPENDITURES OTHER THAN CASH. | | Total expenditures during the year. | Excess of income over expenditures. | |
|--|---|---|--|---|-------------------------------------|-------------------------------------|----|
| | | | Assessments on premium or deposit notes that reduced their face value. | Notes and all other resources subject to assessment returned or canceled during the year. | | | |
| | \$11,470 | \$4,363,718 | | \$5,965,353 | \$10,329,071 | \$1,110,119 | 1 |
| | | 1,544,696 | | | 1,544,696 | 15,036 | 2 |
| | | 2,711,094 | | | 2,711,094 | 12,022 | 3 |
| | | 31,952 | | | 31,952 | 22,940 | 4 |
| | 11,470 | 75,976 | | 5,965,353 | 6,041,329 | 1,090,193 | 5 |
| | 45 | 10,165 | | 36,400 | 46,565 | 107,085 | 6 |
| | | 1,525 | | | 1,525 | 216 | 7 |
| | | 6,905 | | | 6,905 | 15,907 | 8 |
| | 46 | 1,735 | | 36,400 | 38,135 | 150,902 | 9 |
| | 306 | 331,593 | | 57,003 | 388,596 | 280,275 | 10 |
| | | 329,979 | | | 329,979 | 18,246 | 11 |
| | 306 | 1,614 | | 57,003 | 58,617 | 288,521 | 12 |
| | | 482,299 | | | 482,299 | 90,611 | 13 |
| | | 482,299 | | | 482,299 | 90,611 | 14 |
| | | 176,266 | | | 176,266 | 13,870 | 16 |
| | | 176,266 | | | 176,266 | 13,870 | 17 |
| | | | | | | | 18 |
| | | | | | | | 19 |
| | | 207,559 | | | 207,559 | 861,863 | 21 |
| | | 25,874 | | | 25,874 | 9,256 | 22 |
| | | 181,685 | | | 181,685 | 852,607 | 23 |
| | 4,362 | 678,390 | | 306,149 | 984,539 | 740,942 | 24 |
| | | 590,355 | | | 590,355 | 16,213 | 25 |
| | | 35,836 | | | 35,836 | 725,358 | 26 |
| | 4,362 | 52,199 | | 306,149 | 358,348 | | 27 |
| | | 196,357 | | | 196,357 | 130,395 | 28 |
| | | 196,357 | | | 196,357 | 130,395 | 29 |
| | 162 | 439,127 | | 200 | 439,327 | 85,638 | 30 |
| | | 438,232 | | | 438,232 | 58,575 | 31 |
| | | 169 | | | 169 | 721 | 32 |
| | 162 | 726 | | 200 | 926 | 26,342 | 33 |
| | 24,776 | 2,245,550 | | 23,798,422 | 26,043,972 | 6,508,995 | 34 |
| | | 1,715,161 | | | 1,715,161 | 122,760 | 35 |
| | | 203,697 | | 109,950 | 313,653 | 11,199 | 36 |
| | | 97,458 | | 101,234 | 198,692 | 57,101 | 37 |
| | 24,776 | 229,234 | | 23,587,282 | 23,816,466 | 6,340,333 | 38 |
| \$2,741,096 | | 34,139,758 | | | 34,139,758 | 1,793,195 | 39 |
| 2,741,096 | | 34,139,758 | | | 34,139,758 | 1,793,195 | 40 |

TABLE 6.—SUMMARY OF RISKS IN FORCE AND PREMIUMS CHARGED THEREON DECEMBER 31, 1889, BY THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES TRANSACTING BUSINESS IN THE UNITED STATES.

AGGREGATE.

| CLASSES. | Number of companies. | FIRE, OCEAN MARINE, AND INLAND RISKS IN FORCE AND PREMIUMS CHARGED THEREON DECEMBER 31, 1889. | | CLASSES. | Number of companies. | FIRE, OCEAN MARINE, AND INLAND RISKS IN FORCE AND PREMIUMS CHARGED THEREON DECEMBER 31, 1889. | |
|---------------|----------------------|---|-------------------|-------------------|----------------------|---|-------------------|
| | | Amount in force. | Premiums charged. | | | Amount in force. | Premiums charged. |
| Total | a1,926 | \$18,691,434,190 | \$211,424,242 | Class 3 | c51 | \$561,745,556 | \$10,596,870 |
| Class 1 | b434 | 15,413,429,842 | 174,201,696 | Class 3a | 5 | 127,613,864 | 1,730,377 |
| Class 2 | 3 | 25,360,152 | 464,512 | Class 4 | d152 | 971,866,938 | 23,600,007 |
| | | | | Class 5 (e) | f1,281 | 1,561,418,038 | 830,771 |

a Includes 61 companies for which no report is made.
 b Includes 23 companies for which no report is made.
 c Includes 2 companies for which no report is made.

d Includes 8 companies for which no report is made.
 e Companies charge no premiums, but assess for losses.
 f Includes 28 companies for which no report is made.

TABLE 6.—SUMMARY OF RISKS IN FORCE AND PREMIUMS CHARGED THEREON DECEMBER 31, 1889, BY THE FIRE, OCEAN MARINE, AND INLAND NAVIGATION AND TRANSPORTATION INSURANCE COMPANIES TRANSACTING BUSINESS IN THE UNITED STATES—Continued.

BY CLASSES.

| CLASSES, AND STATES IN WHICH HOME OFFICES ARE LOCATED. | Number of companies. | FIRE, OCEAN MARINE, AND INLAND RISKS IN FORCE AND PREMIUMS CHARGED THEREON, DECEMBER 31, 1889. | | CLASSES, AND STATES IN WHICH HOME OFFICES ARE LOCATED. | Number of companies. | FIRE, OCEAN MARINE, AND INLAND RISKS IN FORCE AND PREMIUMS CHARGED THEREON DECEMBER 31, 1889. | |
|--|----------------------|--|-------------------|--|----------------------|---|-------------------|
| | | Amount in force. | Premiums charged. | | | Amount in force. | Premiums charged. |
| Total | 1,926 | \$18,091,434,190 | \$211,424,242 | Class 3a | 5 | \$127,613,864 | \$1,730,377 |
| Class 1 | 434 | 15,413,429,842 | 174,201,696 | Maine | 1 | 1,748,406 | 135,000 |
| Alabama | 7 | 30,789,209 | 428,382 | Massachusetts | 2 | 7,949,890 | 194,076 |
| Arkansas | 1 | 690,909 | 14,061 | New York | 2 | 117,915,568 | 1,401,301 |
| California | 11 | 383,678,288 | 5,803,335 | Class 4 | 152 | 971,866,938 | 23,600,007 |
| Colorado | 1 | 4,788,294 | 74,907 | Connecticut | 1 | 9,277,077 | 250,294 |
| Connecticut | 10 | 1,359,878,764 | 16,399,218 | Delaware | 3 | 25,988,388 | 93,406 |
| District of Columbia | 11 | 37,754,794 | 198,455 | District of Columbia | 2 | 13,715,239 | 25,688 |
| Georgia | a7 | 29,431,941 | 453,182 | Georgia | 1 | 20,435,693 | 241,213 |
| Illinois | 8 | 342,381,186 | 5,459,474 | Illinois | a11 | 33,321,034 | 1,191,213 |
| Indiana | a6 | 10,172,607 | 99,630 | Indiana | a2 | 4,040,993 | 327,800 |
| Iowa | 10 | 173,392,934 | 3,243,525 | Iowa | 5 | 22,476,902 | 1,207,608 |
| Kentucky | 12 | 65,045,177 | 908,167 | Kansas | 2 | 4,391,507 | 84,217 |
| Louisiana | a16 | 144,181,430 | 2,161,380 | Kentucky | 3 | 5,799,452 | 37,933 |
| Maine | 2 | 1,885,379 | 126,526 | Maryland | 10 | 47,297,788 | 920,895 |
| Maryland | 14 | 111,536,402 | 820,519 | Massachusetts | 21 | 269,167,557 | 4,013,430 |
| Massachusetts | 15 | 406,517,661 | 5,597,740 | Minnesota | 2 | 12,062,998 | 612,156 |
| Michigan | 3 | 59,517,482 | 764,025 | Missouri | 12 | 54,334,327 | 1,778,083 |
| Minnesota | 4 | 113,469,208 | 1,506,046 | New Hampshire | 7 | 11,481,171 | 189,053 |
| Mississippi | a3 | 5,038,207 | 108,940 | New Jersey | 10 | 31,118,584 | 2,265,924 |
| Missouri | 4 | 76,252,301 | 1,028,840 | New York | 12 | 145,245,911 | 1,354,681 |
| Nebraska | 4 | 46,163,699 | 885,966 | Ohio | e17 | 75,075,375 | 1,001,580 |
| New Hampshire | b9 | 163,398,665 | 2,062,401 | Pennsylvania | e19 | 99,519,249 | 2,590,723 |
| New Jersey | 10 | 282,878,026 | 2,884,863 | Rhode Island | 1 | 19,291,414 | 175,023 |
| New York | 57 | 4,965,230,523 | 46,021,786 | South Carolina | 1 | 3,543,955 | 60,305 |
| North Carolina | 3 | 2,787,430 | 60,413 | Tennessee | d1 | ..... | ..... |
| North Dakota | 1 | 8,300 | 304 | Texas | d1 | ..... | ..... |
| Ohio | a20 | 213,216,820 | 2,623,036 | Vermont | 2 | 49,000,981 | 5,005,211 |
| Oregon | a6 | 22,147,389 | 655,945 | Virginia | 3 | 11,121,504 | 45,822 |
| Pennsylvania | e42 | 1,785,670,413 | 24,211,683 | West Virginia | 1 | 79,350 | 692 |
| Rhode Island | 3 | 136,689,399 | 1,679,380 | Wisconsin | 2 | 3,184,314 | 121,028 |
| South Carolina | 1 | 62,406 | 840 | Class 5 (f) | 1,281 | 1,561,418,038 | 830,771 |
| South Dakota | a6 | 16,636,110 | 405,580 | Connecticut | 16 | 78,308,021 | ..... |
| Tennessee | 14 | 32,484,808 | 525,685 | Delaware | 3 | 2,889,971 | ..... |
| Texas | 2 | 8,896,345 | 223,219 | Illinois | a187 | 84,166,658 | ..... |
| Utah | d1 | ..... | ..... | Indiana | b60 | 30,261,418 | ..... |
| Vermont | 1 | 2,895,495 | 31,279 | Iowa | 127 | 65,200,389 | ..... |
| Virginia | 8 | 33,316,514 | 663,162 | Kansas | 11 | 3,063,307 | ..... |
| Washington | e6 | 2,092,760 | 59,677 | Kentucky | 5 | 10,433,819 | ..... |
| West Virginia | e9 | 14,997,402 | 611,252 | Maine | e29 | 11,250,866 | ..... |
| Wisconsin | 4 | 207,431,944 | 2,698,181 | Maryland | 7 | 36,523,277 | ..... |
| Foreign | e73 | 4,120,105,263 | 42,700,752 | Massachusetts | 19 | 102,592,626 | ..... |
| Class 2 | 3 | 25,360,152 | 464,512 | Michigan | 60 | 165,412,143 | ..... |
| Iowa | 1 | 3,512,380 | 218,118 | Minnesota | e86 | 23,979,024 | ..... |
| Massachusetts | 2 | 21,847,772 | 246,394 | Missouri | e27 | 6,778,874 | ..... |
| Class 3 | 51 | 501,745,356 | 10,596,879 | Nebraska | 10 | 6,330,415 | ..... |
| Georgia | 1 | 525,221 | 5,172 | New Hampshire | 30 | 11,781,011 | ..... |
| Illinois | 8 | 31,959,479 | 926,303 | New Jersey | 17 | 36,456,381 | ..... |
| Indiana | e3 | 576,650 | 20,585 | New York | b113 | 136,919,530 | ..... |
| Iowa | 1 | 1,628,000 | 70,100 | North Dakota | e4 | 342,074 | ..... |
| Kansas | 1 | 535,725 | 111,772 | Ohio | 86 | 106,461,569 | ..... |
| Maryland | 1 | 1,287,253 | 128,712 | Pennsylvania | b178 | 462,333,093 | 830,771 |
| Massachusetts | 8 | 242,331,706 | 5,341,230 | Rhode Island | 4 | 35,312,684 | ..... |
| Michigan | 3 | 6,101,882 | 158,722 | South Carolina | 1 | 818,775 | ..... |
| Minnesota | 2 | 7,189,441 | 865,984 | South Dakota | a8 | 640,384 | ..... |
| Mississippi | 4 | 6,689,941 | 93,775 | Virginia | a11 | 22,047,364 | ..... |
| Ohio | 5 | 14,448,211 | 171,130 | West Virginia | 1 | 610,000 | ..... |
| Pennsylvania | 12 | 273,440,172 | 2,546,264 | Wisconsin | g181 | 120,493,415 | ..... |
| Rhode Island | 2 | 4,982,675 | 157,130 | | | | |

a Includes 1 company for which no report is made.
 b Includes 3 companies for which no report is made.
 c Includes 2 companies from whom a statement of risks in force could not be obtained.
 d Only 1 company reported and that too incompletely to tabulate.

e Includes 4 companies which could not report risks in force.
 f The companies of this class, as a rule, charge no premiums, but assess for losses.
 g Includes 6 companies from which no report was received.

TABLE 7.—SUMMARY OF INCOME DURING THE YEAR 1889 OF THE LIFE INSURANCE DEPARTMENT

| STATES AND TERRITORIES. | Num-ber. | PREMIUM INCOME. | | | | | | |
|------------------------------|----------|--|--|--|------------------------------|-----------------------|--|---------------------|
| | | Cash received for premiums (except column 7) without deduction for commission, or other expense. | Premium notes, loans, or liens taken in part payment for premiums (except column 7). | Premiums paid by dividends, including reconvered additions and surrendered policies. | Cash received for annuities. | Total premium income. | Deduct amount paid for reinsurance of policies less dividends thereon. | Net premium income. |
| 1 Total | 59 | \$128,069,386 | \$2,918,897 | \$6,657,799 | \$2,946,855 | \$140,592,937 | \$217,423 | \$140,375,514 |
| 2 California | 1 | 417,546 | | | | 417,546 | 829 | 416,717 |
| 3 Connecticut | 7 | 8,810,087 | 98,704 | 1,562,090 | 8,728 | 10,479,669 | 18,347 | 10,461,322 |
| 4 District of Columbia | 1 | 35,591 | 89 | | | 35,680 | 2,063 | 33,617 |
| 5 Iowa | 4 | 212,992 | 10,349 | 5,113 | | 228,454 | | 228,454 |
| 6 Kansas | 1 | 101,209 | 3,766 | 17,223 | | 122,198 | | 122,198 |
| 7 Kentucky | 1 | 323,068 | 6,639 | 64,283 | | 393,930 | 252 | 393,678 |
| 8 Louisiana | 1 | 34,202 | 6,083 | | | 40,285 | | 40,285 |
| 9 Maine | 1 | 707,685 | 16,556 | | 1,500 | 725,741 | 1,625 | 724,116 |
| 10 Maryland | 2 | 200,449 | 1,408 | 2,372 | | 204,229 | 11,012 | 193,217 |
| 11 Massachusetts | 6 | 7,086,726 | 902,883 | 389,241 | | 8,369,850 | 66,500 | 8,303,350 |
| 12 Michigan | 2 | 853,474 | | | | 853,474 | 7,468 | 846,006 |
| 13 Missouri | 2 | 37,782 | 2,740 | | | 40,522 | | 40,522 |
| 14 Nebraska | 1 | 17,803 | | | | 17,803 | | 17,803 |
| 15 New Jersey | 3 | 8,316,168 | 358,845 | 1,356,760 | 87,122 | 10,118,895 | 1,982 | 10,116,913 |
| 16 New York | 13 | 85,553,711 | 269,296 | 2,706,559 | 2,797,710 | 91,327,276 | 102,104 | 91,225,172 |
| 17 Ohio | 2 | 1,031,897 | 998,335 | 81,627 | | 2,111,859 | | 2,111,859 |
| 18 Pennsylvania | 7 | 5,664,601 | 113,686 | 352,339 | 51,795 | 6,182,421 | 4,628 | 6,177,793 |
| 19 Vermont | 2 | 1,517,208 | 48,840 | 1,935 | | 1,567,983 | 613 | 1,567,370 |
| 20 West Virginia | 1 | 7,868 | | | | 7,868 | | 7,868 |
| 21 Wisconsin | 1 | 7,139,319 | 80,618 | 127,257 | | 7,347,194 | | 7,347,194 |

INSURANCE.

591

COMPANIES OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES
31, 1889.

| INTEREST AND OTHER INCOME FROM INVESTMENTS— | | | | | | | | | | | |
|---|---|---|--|---|---|--|-------------------------------|---|---|---|----|
| On mort- gage loans. | On bonds owned and dividends on stock. | On premi- um notes, loans, or liens. | On other debts due com- panies. | For dis- count on claims paid in advance. | From rent of prop- erties of com- pan- ies. | From profits on bonds, stocks, and real estate actually sold. | From all other sources. | Total in- come from invest- ments. | Cash income received from all other sources. | Total income and receipts during 1889. | |
| \$15,962,661 | \$13,401,988 | \$1,013,293 | \$1,887,130 | \$231,565 | \$2,730,826 | \$1,786,240 | \$3,664,013 | \$40,077,730 | \$713,853 | \$181,767,097 | 1 |
| 114,367 | 4,381 | 8,596 | 3,112 | ..... | 2,698 | ..... | ..... | 133,154 | ..... | 549,871 | 2 |
| 3,755,690 | 1,389,072 | 242,073 | 98,070 | 32,918 | 490,777 | 227,178 | 36,625 | 6,281,409 | 15 | 16,742,746 | 3 |
| ..... | ..... | ..... | ..... | 98,524 | 48,830 | ..... | ..... | 147,354 | 6,121 | 187,092 | 4 |
| 8,400 | ..... | 25 | ..... | 48,165 | 487 | ..... | ..... | 57,052 | 9,744 | 295,250 | 5 |
| 2,855 | 50 | ..... | ..... | ..... | ..... | ..... | 047 | 3,877 | 2,395 | 128,470 | 6 |
| 83,314 | 10,000 | 4,952 | 2,728 | ..... | 403 | 343 | ..... | 101,735 | ..... | 405,413 | 7 |
| ..... | 210 | ..... | ..... | ..... | ..... | ..... | ..... | 210 | ..... | 40,495 | 8 |
| 66,045 | 124,053 | 27,270 | 24,110 | 876 | 17,451 | 17,194 | ..... | 276,999 | ..... | 1,001,115 | 9 |
| 20,434 | 41,818 | 9,541 | 2,060 | 83 | 2,575 | 927 | ..... | 77,446 | 748 | 271,413 | 10 |
| 678,650 | 1,058,567 | 130,518 | 157,352 | 1,099 | 144,525 | 1,131 | 100,371 | 2,272,813 | 55,387 | 10,631,550 | 11 |
| 6,128 | 70 | ..... | 878 | ..... | ..... | ..... | 133,745 | 140,821 | ..... | 986,827 | 12 |
| 37,988 | ..... | 2,512 | 1,380 | 95 | 5,324 | 6,974 | ..... | 54,289 | ..... | 94,811 | 13 |
| 50 | ..... | ..... | 6,000 | ..... | ..... | ..... | ..... | 6,050 | ..... | 23,913 | 14 |
| 1,386,117 | 603,908 | 253,446 | 192,887 | 652 | 36,720 | 998 | 750 | 2,475,778 | 113,900 | 12,706,591 | 15 |
| 6,865,165 | 9,125,162 | 178,573 | 864,546 | 31,416 | 1,776,846 | 1,380,268 | 3,377,458 | 23,599,434 | 1,440 | 114,826,046 | 16 |
| 214,890 | 400 | 25,853 | 15,878 | 10,317 | 6,880 | ..... | 10,000 | 284,218 | ..... | 2,396,077 | 17 |
| 797,497 | 898,078 | 50,692 | 417,753 | 4,120 | 103,912 | 151,236 | 2,479 | 2,425,767 | 523,158 | 9,126,718 | 18 |
| 174,809 | 97,043 | 15,833 | 6,897 | 263 | 10,569 | ..... | 1,638 | 307,057 | ..... | 1,874,427 | 19 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 945 | 8,813 | 20 |
| 1,750,252 | 49,176 | 63,409 | 93,472 | 2,127 | 73,829 | ..... | ..... | 2,032,205 | ..... | 9,379,459 | 21 |

TABLE 8.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE LIFE DECEMBER

| STATES AND TERRITORIES. | Num-ber. | DISBURSEMENTS FOR DEATH CLAIMS AND MATURED ENDOWMENTS. | | | | |
|------------------------------|----------|--|--|---|--|--|
| | | Total paid for death claims and additions. | Total paid for matured endowments and additions. | Total paid for death claims and matured endowments and additions. | Deduct amount re-ceived from other com-panies for losses or claims re-covered. | Total net amount actu-ally paid for death losses and matured endowments. |
| 1 Total | 59 | \$45,134,500 | \$9,102,139 | \$54,236,639 | \$143,023 | \$54,093,616 |
| 2 California | 1 | 111,499 | 54,331 | 165,830 | ..... | 165,830 |
| 3 Connecticut | 7 | 6,299,651 | 2,082,823 | 8,382,477 | 2,990 | 8,379,487 |
| 4 District of Columbia | 1 | 66,552 | 23,116 | 89,668 | 2,388 | 87,280 |
| 5 Iowa | 4 | 51,399 | 26,077 | 77,476 | ..... | 77,476 |
| 6 Kansas | 1 | 54,638 | ..... | 54,638 | ..... | 54,638 |
| 7 Kentucky | 1 | 139,168 | 9,600 | 148,768 | ..... | 148,768 |
| 8 Louisiana | 1 | ..... | ..... | ..... | ..... | ..... |
| 9 Maine | 1 | 357,692 | 127,080 | 484,772 | ..... | 484,772 |
| 10 Maryland | 2 | 72,988 | 5,300 | 78,288 | ..... | 78,288 |
| 11 Massachusetts | 6 | 2,904,880 | 642,146 | 3,547,026 | 25,495 | 3,521,531 |
| 12 Michigan | 2 | 196,739 | 85,135 | 281,874 | ..... | 281,874 |
| 13 Missouri | 2 | 73,855 | 1,000 | 74,855 | ..... | 74,855 |
| 14 Nebraska | 1 | 7,415 | ..... | 7,415 | ..... | 7,415 |
| 15 New Jersey | 3 | 4,176,965 | 157,741 | 4,334,646 | 5,000 | 4,329,646 |
| 16 New York | 13 | 26,477,411 | 4,868,953 | 31,346,364 | 105,750 | 31,240,614 |
| 17 Ohio | 2 | 283,306 | 48,837 | 332,143 | ..... | 332,143 |
| 18 Pennsylvania | 7 | 1,644,111 | 463,519 | 2,107,630 | 2,000 | 2,105,630 |
| 19 Vermont | 2 | 327,272 | 46,945 | 374,217 | ..... | 374,217 |
| 20 West Virginia | 1 | 1,476 | ..... | 1,476 | ..... | 1,476 |
| 21 Wisconsin | 1 | 1,887,540 | 459,526 | 2,347,066 | ..... | 2,347,066 |

TABLE 9.—SUMMARY OF ASSETS DECEMBER 31, 1889, OF THE LIFE INSURANCE COM-

| STATES AND TERRITORIES. | Num-ber. | Cost value of real estate ex-clusive of all incumbrances. | NET LEDGER ASSETS. | | | |
|-------------------------------|----------|---|-------------------------|---|---|--------------------------------|
| | | | On bonds and mortgages. | Secured by pledge of bonds, stocks, or other mar-ketable col-lateral. | Made to policy holders on policies of companies assigned as collateral. | Total amount of loans in cash. |
| 22 Total | 59 | \$80,306,095 | \$283,131,405 | \$36,894,557 | \$5,119,486 | \$330,085,448 |
| 23 California | 1 | 118,660 | 1,386,378 | 4,541 | 81,096 | 1,472,615 |
| 24 Connecticut | 7 | 12,252,154 | 30,392,083 | 875,825 | 695,711 | 61,993,619 |
| 25 District of Columbia | 1 | 589,050 | 834,122 | 190,000 | ..... | 1,024,122 |
| 26 Iowa | 4 | 6,999 | 653,667 | 4,600 | 42,337 | 700,004 |
| 27 Kansas | 1 | ..... | 59,540 | ..... | ..... | 59,540 |
| 28 Kentucky | 1 | 17,806 | 1,224,455 | 2,000 | 4,260 | 1,230,715 |
| 29 Louisiana | 1 | ..... | ..... | ..... | ..... | ..... |
| 30 Maine | 1 | 1,143,220 | 1,331,406 | 295,843 | ..... | 1,627,249 |
| 31 Maryland | 2 | 127,323 | 376,191 | 34,900 | 17,935 | 429,026 |
| 32 Massachusetts | 6 | 3,354,785 | 12,078,535 | 2,806,255 | 694,043 | 15,578,833 |
| 33 Michigan | 2 | 137,792 | 2,121,575 | 10,000 | 175,305 | 2,306,880 |
| 34 Missouri | 2 | 78,730 | 597,587 | ..... | 22,149 | 619,736 |
| 35 Nebraska | 1 | ..... | 41,104 | 60,400 | ..... | 101,504 |
| 36 New Jersey | 3 | 1,433,141 | 25,187,139 | 3,065,345 | 843,450 | 29,095,940 |
| 37 New York | 13 | 54,634,707 | 131,071,043 | 21,813,420 | 750,308 | 153,634,771 |
| 38 Ohio | 2 | 159,828 | 3,937,383 | ..... | 270,549 | 4,207,932 |
| 39 Pennsylvania | 7 | 5,456,339 | 14,031,125 | 7,571,998 | 1,253,046 | 22,856,169 |
| 40 Vermont | 2 | 266,930 | 2,780,638 | 100,030 | 269,291 | 3,149,959 |
| 41 West Virginia | 1 | ..... | ..... | ..... | ..... | ..... |
| 42 Wisconsin | 1 | 1,188,631 | 30,033,434 | ..... | ..... | 30,033,434 |

INSURANCE COMPANIES OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES 31, 1889.

| OTHER DISBURSEMENTS PAID TO POLICY HOLDERS. | | | | | | |
|---|-------------------------------------|--|---|--|--|-------------------------------|
| Cash paid to annuitants. | Cash paid for surrendered policies. | Premium notes, loans, or liens used in purchase of surrendered policies and voided by lapse. | Cash surrendered values, including recon- veyed additions applied in pay- ment of pre- miums. | Cash dividends paid to policy holders, includ- ing dividends applied in pay- ment of pre- miums. | Premium notes, loans, or liens used in pay- ment of divi- dends to policy holders. | Total paid to policy holders. |
| \$1, 078, 543 | \$7, 087, 797 | \$648, 388 | \$4, 377, 218 | \$14, 495, 078 | \$406, 286 | \$82, 476, 926 |
| 2, 850 | 65, 026 | | | 34, 408 | | 268, 114 |
| 950 | 545, 595 | 79, 622 | 500, 021 | 1, 811, 154 | 120, 093 | 11, 436, 922 |
| | 50, 253 | | | | | 146, 535 |
| | 4, 813 | 800 | 3, 969 | 10, 094 | | 97, 218 |
| | | | | 17, 223 | | 71, 861 |
| | 9, 732 | 5, 238 | 20, 077 | 36, 804 | 1, 237 | 230, 856 |
| 233 | 31, 506 | 7, 878 | | | 25, 356 | 549, 845 |
| 13, 085 | 5, 777 | 1, 093 | 148 | 16, 970 | 788 | 116, 749 |
| 60, 751 | 635, 874 | 96, 938 | 11, 504 | 1, 022, 236 | 86, 730 | 5, 444, 564 |
| 90 | 17, 927 | | | 80, 346 | | 380, 237 |
| | 1, 855 | 1, 580 | | 5, 673 | | 83, 972 |
| | | | 265 | | | 7, 680 |
| 24, 140 | 332, 990 | 144, 627 | 217, 670 | 1, 324, 482 | 28, 938 | 6, 402, 494 |
| 1, 524, 371 | 5, 349, 511 | 70, 874 | 3, 429, 461 | 7, 316, 598 | 69, 985 | 49, 001, 414 |
| 1, 012 | 35, 320 | 202, 747 | 57, 846 | 25, 285 | 7, 223 | 661, 576 |
| 41, 461 | 304, 297 | 22, 532 | | 820, 218 | 68, 161 | 3, 362, 299 |
| | 161, 228 | 1, 637 | | 133, 830 | 83 | 670, 985 |
| | | | | | | 1, 476 |
| | 127, 963 | 12, 747 | 127, 257 | 840, 356 | 87, 692 | 3, 542, 121 |

COMPANIES OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES ON THAT DATE.

| NET LEDGER ASSETS—continued. | | | | | | | | |
|--|--|--|-------------------|-------------------------|---|---|--|--|
| Premium notes, loans, or liens on policies in force, the reserve on each policy being in excess of all indebtedness thereon. | Cost value of bonds and stocks owned absolutely. | Cash in offices of companies and in banks. | Bills receivable. | Agents' ledger balance. | All other items not previously mentioned. | Total available assets (per ledger accounts). | Deduct depreciation from cost of assets to bring same to market value. | Total net ledger assets less depreci- ation. |
| \$15, 020, 326 | \$242, 696, 653 | \$35, 309, 620 | \$317, 852 | \$1, 433, 546 | \$863, 081 | \$706, 032, 621 | \$504, 409 | \$705, 528, 212 |
| | 177, 075 | 122, 757 | | 20, 910 | 3, 444 | 1, 923, 870 | | 1, 923, 870 |
| 3, 988, 362 | 27, 138, 435 | 6, 303, 033 | 7, 360 | 57, 216 | | 111, 710, 179 | 407, 120 | 111, 213, 059 |
| 6, 748 | 402, 825 | 37, 875 | 11, 900 | 2, 085 | 86, 194 | 2, 250, 799 | 1, 304 | 2, 249, 495 |
| 4, 130 | 118, 638 | 30, 173 | 8, 334 | 5, 081 | 1, 184 | 874, 543 | | 874, 543 |
| | 1, 000 | 37, 068 | 3, 766 | 6, 648 | | 102, 022 | | 102, 022 |
| 77, 541 | 145, 500 | 16, 570 | 7, 767 | 5, 978 | | 1, 501, 877 | | 1, 501, 877 |
| | 11, 578 | 4, 069 | 3, 668 | 2, 757 | | 22, 072 | | 22, 072 |
| 460, 120 | 2, 517, 685 | 203, 814 | 450 | 823 | | 5, 953, 361 | | 5, 953, 361 |
| 53, 417 | 790, 995 | 73, 828 | 250 | 10, 442 | 4, 104 | 1, 498, 885 | 1, 050 | 1, 497, 835 |
| 1, 841, 361 | 21, 040, 354 | 1, 208, 146 | | 16, 713 | | 43, 040, 192 | 1, 759 | 43, 038, 433 |
| 5, 222 | 2, 929 | 69, 279 | 20, 119 | 5, 001 | | 2, 547, 222 | | 2, 547, 222 |
| 39, 845 | 13, 093 | 8, 022 | | | | 759, 366 | | 759, 366 |
| | | 6, 224 | | | | 107, 728 | | 107, 728 |
| 4, 217, 703 | 11, 773, 641 | 908, 013 | | 374 | 107, 066 | 47, 536, 478 | | 47, 536, 478 |
| 2, 010, 443 | 156, 260, 124 | 22, 129, 058 | 192, 172 | 982, 965 | 614, 252 | 389, 858, 492 | 3, 011 | 389, 855, 481 |
| 841, 898 | 12, 825 | 26, 940 | 4, 573 | 70, 786 | 15, 000 | 5, 339, 782 | 165 | 5, 339, 617 |
| 715, 226 | 18, 152, 653 | 2, 166, 321 | 57, 343 | 14, 446 | 30, 722 | 49, 448, 619 | | 49, 448, 619 |
| 55, 768 | 2, 107, 863 | 176, 975 | | 213, 522 | 515 | 5, 911, 532 | | 5, 911, 532 |
| | | 2, 363 | | | | 2, 463 | | 2, 463 |
| 702, 542 | 1, 031, 100 | 1, 779, 092 | 150 | 8, 790 | | 35, 643, 739 | | 35, 643, 739 |

TABLE 8.—SUMMARY OF DISBURSEMENTS DURING THE YEAR 1889 OF THE LIFE DECEMBER

| STATES AND TERRITORIES. | Cash paid stockholders for interest and dividends. | DISBURSEMENTS ON ACCOUNT OF EXPENSE OF MANAGEMENT— | | |
|-----------------------------|--|--|---|------------------------------|
| | | For commissions paid to agents. | For salaries and traveling expenses of managers and agents. | For medical examiners' fees. |
| 1 Total..... | \$1,009,211 | \$19,827,166 | \$3,108,668 | \$1,533,050 |
| 2 California..... | 16,000 | 37,263 | 12,007 | 3,630 |
| 3 Connecticut..... | 149,000 | 968,198 | 162,890 | 73,919 |
| 4 District of Columbia..... | 60,000 | 420 | 500 | ..... |
| 5 Iowa..... | 5,000 | 24,834 | 22,485 | 3,155 |
| 6 Kansas..... | ..... | ..... | 11,401 | 2,844 |
| 7 Kentucky..... | 6,009 | 75,224 | 1,337 | 6,470 |
| 8 Louisiana..... | ..... | 2,552 | 5,011 | 1,234 |
| 9 Maine..... | ..... | 52,584 | 97,627 | 12,273 |
| 10 Maryland..... | 7,846 | 20,525 | 2,328 | 3,268 |
| 11 Massachusetts..... | 41,785 | 1,100,325 | 335,776 | 93,920 |
| 12 Michigan..... | 17,500 | 152,318 | 27,392 | 11,484 |
| 13 Missouri..... | ..... | 1,813 | 9,365 | 853 |
| 14 Nebraska..... | 6,000 | 5,030 | 848 | 342 |
| 15 New Jersey..... | 41,860 | 1,833,957 | 658,932 | 136,703 |
| 16 New York..... | 170,741 | 13,223,580 | 1,371,182 | 906,006 |
| 17 Ohio..... | 10,000 | 338,172 | 163,335 | 37,331 |
| 18 Pennsylvania..... | 477,470 | 656,784 | 149,642 | 66,878 |
| 19 Vermont..... | 6,000 | 244,415 | 50,535 | 25,736 |
| 20 West Virginia..... | ..... | 5,254 | 2,385 | 209 |
| 21 Wisconsin..... | ..... | 1,083,969 | 22,681 | 86,656 |

TABLE 9.—SUMMARY OF ASSETS DECEMBER 31, 1889, OF THE LIFE INSURANCE COMPANIES

| STATES AND TERRITORIES. | MISCELLANEOUS ASSETS. | | | | | |
|------------------------------|--|---|---------------------------------|--|--|---|
| | Interest assets. | | | Rents due and accrued on properties and leases of companies. | Market value of real estate over cost. | Market value of bonds and stocks over cost. |
| | Interest due and accrued on bonds, mortgages, stocks, and collateral loans, etc. | Interest due and accrued on premium notes, loans, or liens. | Total interest due and accrued. | | | |
| 22 Total..... | \$6,347,293 | \$723,935 | \$7,071,278 | \$256,765 | \$127,090 | \$15,846,549 |
| 23 California..... | 68,990 | ..... | 68,990 | ..... | ..... | 12,047 |
| 24 Connecticut..... | 1,417,040 | 747,038 | 1,764,078 | 8,738 | ..... | 1,280,275 |
| 25 District of Columbia..... | 9,872 | 1,474 | 11,346 | 2,286 | ..... | ..... |
| 26 Iowa..... | 20,149 | 1,488 | 21,637 | 320 | 5,651 | ..... |
| 27 Kansas..... | 1,108 | ..... | 1,108 | ..... | ..... | ..... |
| 28 Kentucky..... | 48,583 | 6,362 | 54,945 | 750 | ..... | 32,825 |
| 29 Louisiana..... | 250 | ..... | 250 | ..... | ..... | ..... |
| 30 Maine..... | 50,562 | 12,768 | 63,330 | 356 | ..... | 22,041 |
| 31 Maryland..... | 7,876 | 1,351 | 9,227 | 535 | ..... | 83,468 |
| 32 Massachusetts..... | 465,443 | 55,928 | 521,371 | 13,671 | 68,903 | 1,754,171 |
| 33 Michigan..... | 61,662 | 12,600 | 74,262 | 1,633 | ..... | ..... |
| 34 Missouri..... | 11,865 | 242 | 12,107 | 258 | 3,426 | ..... |
| 35 Nebraska..... | 1,034 | 2,345 | 3,379 | ..... | ..... | ..... |
| 36 New Jersey..... | 548,787 | 115,990 | 664,777 | 1,461 | ..... | 616,171 |
| 37 New York..... | 2,729,211 | 78,850 | 2,808,061 | 207,130 | 212,222 | 10,923,471 |
| 38 Ohio..... | 95,307 | 18,197 | 113,504 | 808 | 13,390 | ..... |
| 39 Pennsylvania..... | 281,083 | 30,809 | 311,892 | 10,636 | 94,277 | 834,082 |
| 40 Vermont..... | 91,324 | 10,129 | 101,453 | 130 | 29,131 | 142,240 |
| 41 West Virginia..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 42 Wisconsin..... | 437,147 | 28,324 | 465,471 | 8,043 | ..... | 145,758 |

INSURANCE COMPANIES OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES
31, 1889—Continued.

| DISBURSEMENTS ON ACCOUNT OF EXPENSE OF MANAGEMENT—continued. | | | | | All disbursements not previously mentioned. | Total disbursements. | |
|--|---------------------------------------|---|----------------------|------------------------------|---|----------------------|----|
| For salaries and other compensation of officers and other office employes. | For taxes, licenses, fines, and fees. | For rent (less amount received under sublease). | For all other items. | Total expense of management. | | | |
| \$3,721,434 | \$2,153,695 | \$652,059 | \$7,187,784 | \$38,183,856 | \$558,211 | \$122,228,204 | 1 |
| 30,882 | 2,795 | 3,508 | 11,443 | 102,428 | 1,332 | 381,874 | 2 |
| 330,976 | 455,422 | 37,138 | 531,859 | 2,560,351 | 100,270 | 14,246,543 | 3 |
| 29,445 | 14,334 | 900 | 5,684 | 51,292 | 21,321 | 279,146 | 4 |
| 24,092 | 1,972 | 3,342 | 12,853 | 92,673 | ..... | 194,801 | 5 |
| 14,515 | ..... | 261 | 5,579 | 34,600 | 251 | 106,802 | 6 |
| 17,016 | 2,852 | 1,890 | 12,848 | 118,243 | ..... | 355,108 | 7 |
| 4,250 | 884 | 780 | 3,712 | 18,423 | ..... | 18,423 | 8 |
| 45,880 | 14,914 | 9,770 | 60,369 | 293,417 | ..... | 843,262 | 9 |
| 21,359 | 5,205 | 927 | 15,964 | 69,636 | ..... | 194,231 | 10 |
| 282,392 | 134,534 | 40,329 | 289,738 | 2,277,023 | 152,409 | 7,915,781 | 11 |
| 27,283 | 19,013 | 7,901 | 30,951 | 276,142 | 10,714 | 684,793 | 12 |
| 6,913 | 4,000 | 1,155 | 4,242 | 28,341 | ..... | 112,313 | 13 |
| 1,950 | 71 | ..... | 709 | 8,050 | 352 | 22,982 | 14 |
| 302,730 | 236,886 | 5,142 | 216,135 | 3,390,485 | 150,746 | 9,985,585 | 15 |
| 1,956,571 | 931,678 | 464,201 | 5,375,955 | 24,319,173 | 21,524 | 73,512,852 | 16 |
| 54,191 | 29,533 | 16,894 | 65,169 | 704,675 | ..... | 1,376,251 | 17 |
| 365,842 | 170,277 | 36,537 | 180,871 | 1,626,831 | 99,250 | 5,565,850 | 18 |
| 31,863 | 29,305 | 18,108 | 81,235 | 481,277 | 42 | 1,158,314 | 19 |
| 1,426 | 49 | 248 | 1,211 | 10,882 | ..... | 12,358 | 20 |
| 141,318 | 99,821 | 3,022 | 281,257 | 1,718,724 | ..... | 5,260,845 | 21 |

OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES ON THAT DATE—Continued.

| MISCELLANEOUS ASSETS—continued. | | | | | | All other assets not previously specified. | Total assets as per books of companies. | |
|--|---|---|--|-------------------------------------|--|--|---|----|
| Due from other companies for losses or claims on policies. | Uncollected and deferred premiums. | | | | | | | |
| | Gross premiums due and unreported on policies in force December 31, 1889. | Gross deferred premiums on policies in force December 31, 1889. | Total gross uncollected and deferred premiums. | Deduct loading on preceding amount. | Net amount of uncollected and deferred premiums. | | | |
| \$5,000 | \$5,677,309 | \$0,581,235 | \$15,258,544 | \$3,064,743 | \$12,193,801 | \$97,768 | \$741,426,453 | 22 |
| ..... | 60,931 | 26,506 | 87,439 | 17,404 | 69,945 | 3,000 | 2,077,852 | 23 |
| ..... | 308,838 | 618,548 | 927,386 | 169,058 | 767,328 | 3,784 | 115,037,282 | 24 |
| 5,000 | 121 | 3,441 | 3,562 | 514 | 3,028 | 4,907 | 2,276,082 | 25 |
| ..... | 7,862 | 13,278 | 21,140 | 3,734 | 17,406 | 3,885 | 923,442 | 26 |
| ..... | 2,615 | ..... | 2,615 | 30 | 2,585 | 1,800 | 167,515 | 27 |
| ..... | 26,564 | 23,804 | 50,368 | 10,074 | 40,294 | ..... | 1,630,691 | 28 |
| ..... | 62,362 | 86,119 | 148,481 | 29,696 | 118,785 | 744 | 22,322 | 29 |
| ..... | 7,917 | 35,075 | 43,892 | 9,095 | 34,797 | 1,250 | 6,158,617 | 30 |
| ..... | 400,573 | 384,816 | 785,389 | 141,160 | 644,229 | ..... | 1,628,612 | 31 |
| ..... | 170,214 | 38,092 | 209,206 | 41,842 | 167,364 | 1,442 | 46,040,868 | 32 |
| ..... | 533 | 7,104 | 7,637 | 1,532 | 6,105 | ..... | 2,791,023 | 33 |
| ..... | 3,134 | 3,134 | 3,134 | 563 | 2,571 | 617 | 781,282 | 34 |
| ..... | 254,027 | 397,173 | 651,200 | 156,093 | 495,107 | 58,494 | 114,295 | 35 |
| ..... | 3,153,899 | 6,300,191 | 9,454,084 | 1,872,007 | 7,582,077 | 13,584 | 49,372,488 | 36 |
| ..... | 315,724 | 67,275 | 382,999 | 76,598 | 306,401 | 1,642 | 411,001,826 | 37 |
| ..... | 454,221 | 724,747 | 1,178,968 | 284,070 | 894,898 | ..... | 5,775,362 | 38 |
| ..... | 63,019 | 170,482 | 233,501 | 46,700 | 186,801 | 2,819 | 51,594,494 | 39 |
| ..... | ..... | 201 | 201 | ..... | 201 | ..... | 6,374,106 | 40 |
| ..... | 387,873 | 679,440 | 1,067,322 | 213,463 | 853,859 | ..... | 2,564 | 41 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 37,116,870 | 42 |

TABLE 10.—SUMMARY OF LIABILITIES DECEMBER 31, 1889, OF THE LIFE INSURANCE

| STATES AND TERRITORIES. | Number of companies. | Net present value of all the outstanding policies in force December 31, 1889, computed according to the actuaries' table of mortality with 4 per cent interest. | POLICY CLAIMS— | | | | | | |
|------------------------------|----------------------|---|---|----------------------------------|--|---|---|---|----------------------|
| | | | For premium obligations in excess of the net value of their policies. | For death losses due and unpaid. | For matured endowments due and unpaid. | For death losses and matured endowments in process of adjustment or adjusted and not due. | For death losses and other policy claims resisted by companies. | For amounts due and unpaid on annuity claims. | Total policy claims. |
| 1 Total | 59 | \$618,466,059 | \$3,860 | \$227,908 | \$243,932 | \$2,678,535 | \$740,121 | \$39,406 | \$3,942,768 |
| 2 California | 1 | 1,790,524 | | 10,653 | | | | | 10,653 |
| 3 Connecticut | 7 | 98,690,687 | | 50,601 | 94,272 | 251,569 | 594,025 | | 990,467 |
| 4 District of Columbia | 1 | 1,298,981 | | | 1,000 | 56,948 | | | 58,548 |
| 5 Iowa | 4 | 565,121 | | | | 16,750 | 2,500 | | 19,250 |
| 6 Kansas | 1 | 25,359 | | | | | | | |
| 7 Kentucky | 1 | 1,555,197 | | | | | | | |
| 8 Louisiana | 1 | 9,574 | | | | | | | |
| 9 Maine | 1 | 5,757,993 | 208 | 6,177 | | 42,841 | 2,500 | | 51,726 |
| 10 Maryland | 2 | 1,276,255 | | 1,472 | 220 | 18,615 | 6,447 | | 26,754 |
| 11 Massachusetts | 6 | 39,745,793 | | 94,901 | 34,683 | 72,014 | 640 | 318 | 202,556 |
| 12 Michigan | 2 | 2,225,083 | | | | 23,070 | 11,000 | | 34,070 |
| 13 Missouri | 2 | 648,115 | | | | 1,801 | | | 1,801 |
| 14 Nebraska | 1 | 6,040 | | | | 2,000 | | | 2,000 |
| 15 New Jersey | 3 | 44,272,583 | | | | 198,161 | 17,000 | | 215,161 |
| 16 New York | 13 | 350,042,425 | 1,791 | 51,305 | 112,963 | 1,598,115 | 100,423 | 29,083 | 1,894,580 |
| 17 Ohio | 2 | 4,852,010 | | | | 24,976 | | | 24,976 |
| 18 Pennsylvania | 7 | 29,555,396 | 1,807 | 10,799 | 194 | 182,280 | | 9,105 | 204,245 |
| 19 Vermont | 2 | 5,684,247 | | 2,000 | | 13,750 | 580 | | 16,345 |
| 20 West Virginia | 1 | | | | | | | | |
| 21 Wisconsin | 1 | 31,145,787 | | | | 174,976 | 14,000 | | 188,976 |

COMPANIES OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES ON THAT DATE.

| MISCELLANEOUS LIABILITIES. | | | | | | | | | | | |
|--|----------------------|--|---|---|---|-------------------------------------|----------------------------------|---|--------------------------------|---------------------------------------|----|
| Unpaid dividends. | | Due for national, state, or other taxes. | Due for salaries, rents, and office expenses. | Due for borrowed money, including interest due and accrued. | Due to officers and others for advances on account of expenses or claims. | All other liabilities of companies. | Total miscellaneous liabilities. | Total liabilities as to policy holders. | Capital stock paid up in cash. | Total liabilities, including capital. | |
| Due policy holders for surplus or other profits. | Due to stockholders. | | | | | | | | | | |
| \$1,500,001 | \$52,565 | \$7,550 | \$14,766 | \$80 | \$4,892 | \$11,458,593 | \$13,038,440 | \$635,449,276 | \$14,547,958 | \$649,997,234 | 1 |
| 431,718 | | | | | | 579,440 | 1,011,158 | 1,801,177 | 100,000 | 1,901,177 | 2 |
| | | | | | | 6,521 | 6,521 | 100,692,312 | 1,751,050 | 102,443,362 | 3 |
| | | | | | | | 1,301 | 1,274,050 | 1,000,000 | 2,274,050 | 4 |
| | | | | | | | | 585,672 | 100,000 | 685,672 | 5 |
| | | 50 | | | | | 50 | 25,389 | | 25,389 | 6 |
| | 180 | | 462 | | | 10,808 | 11,450 | 1,566,647 | 100,000 | 1,666,647 | 7 |
| | | | 1,383 | | 2,493 | | 3,816 | 13,390 | | 13,390 | 8 |
| 3,717 | | | | | | 26,390 | 30,107 | 5,839,826 | | 5,839,826 | 9 |
| 4,473 | | | | | | 11,711 | 16,184 | 1,319,193 | 100,000 | 1,419,193 | 10 |
| 153,304 | | | | | | 33,935 | 187,329 | 40,135,078 | 525,500 | 40,661,178 | 11 |
| | | | | | | | 357 | 357 | | 2,638,110 | 12 |
| | | | | | | | 2,431 | 652,407 | | 652,407 | 13 |
| 2,431 | | | | | 1,158 | | 1,158 | 9,198 | 100,000 | 109,198 | 14 |
| 204,835 | | | | | | 36,732 | 241,567 | 44,729,311 | 632,500 | 45,361,811 | 15 |
| 227,617 | 322 | 7,500 | 12,023 | | | 1,196,510 | 1,444,872 | 353,381,877 | 3,465,000 | 356,846,877 | 16 |
| 338 | | | | | | 323,839 | 324,177 | 5,262,072 | 200,000 | 5,462,072 | 17 |
| 456,921 | 52,063 | | | | | 8,839,879 | 9,348,863 | 39,108,504 | 6,000,000 | 45,108,504 | 18 |
| 4,557 | | | | 80 | | 261,311 | 265,948 | 5,366,540 | 100,000 | 5,466,540 | 19 |
| | | | | | | | | | 5,908 | 5,908 | 20 |
| 10,000 | | | | | | 131,160 | 141,160 | 31,475,923 | | 31,475,923 | 21 |

TABLE 11.—SUMMARY OF PREMIUM NOTE ACCOUNT FOR THE YEAR 1889 OF THE LIFE INSURANCE COMPANIES OF CLASS "A" TRANSACTING BUSINESS IN THE UNITED STATES DECEMBER 31, 1889

| STATES AND TERRITORIES. | RECEIVED DURING 1889. | | | EXPENDED DURING 1889. | | | | | Balance of note assets December 31, 1889. |
|---------------------------|--|--|------------------------------------|--|--|--|---|-------------------------------|---|
| | Premium notes, loans, or liens brought forward from December 31, 1888. | Premium notes, loans, or liens received during the year. | Total amount received during 1889. | Premium notes, loans, or liens used in payment of losses and claims during the year. | Premium notes, loans, or liens used in purchase of surrendered policies and voided by lapse during the year. | Premium notes, loans, or liens used in payment of dividends to policy holders during the year. | Premium notes, loans, or liens redeemed by maker in cash during the year. | Total deductions during 1889. | |
| Total..... | \$15,560,545 | \$3,200,166 | \$18,760,711 | \$678,619 | \$690,756 | \$486,352 | \$1,063,234 | \$3,518,991 | \$15,241,720 |
| California..... | 52,577 | 40,740 | 93,317 | 1,449 | 3,972 | 1,379 | 28,134 | 34,934 | 58,383 |
| Connecticut..... | 4,332,704 | 100,057 | 4,432,761 | 203,347 | 30,913 | 120,093 | 40,047 | 444,400 | 3,988,361 |
| District of Columbia..... | 6,659 | 89 | 6,748 | | | | | | 6,748 |
| Iowa..... | 3,393 | 18,228 | 21,621 | | 866 | 366 | | 7,450 | 14,101 |
| Kansas..... | 2,099 | 7,876 | 9,975 | | 713 | | 5,496 | 6,209 | 3,766 |
| Kentucky..... | 85,534 | 6,639 | 92,173 | 6,682 | 5,298 | 1,237 | 1,476 | 14,653 | 77,540 |
| Louisiana..... | | 6,082 | 6,082 | | | | 2,414 | 2,414 | 3,668 |
| Maine..... | 487,445 | 23,209 | 509,654 | 28,802 | 22,488 | 5,865 | 2,240 | 50,365 | 450,289 |
| Maryland..... | 31,910 | 1,548 | 33,458 | 1,134 | 930 | 787 | 61 | 2,012 | 30,546 |
| Massachusetts..... | 1,846,998 | 1,015,881 | 2,862,879 | 76,317 | 96,938 | 86,730 | 754,539 | 1,014,524 | 1,848,355 |
| Michigan..... | 4,319 | 1,368 | 5,687 | | | | 405 | 405 | 5,282 |
| Missouri..... | 43,243 | 2,739 | 45,982 | 2,520 | 1,589 | | 2,019 | 6,197 | 39,845 |
| Nebraska..... | 361 | 146 | 507 | | 415 | | 92 | 507 | |
| New Jersey..... | 4,254,443 | 358,845 | 4,613,288 | 143,427 | 144,628 | 28,938 | 78,592 | 395,585 | 4,217,703 |
| New York..... | 2,272,320 | 382,492 | 2,654,812 | 105,950 | 92,469 | 77,797 | 175,449 | 451,590 | 2,183,213 |
| Ohio..... | 560,567 | 998,335 | 1,558,902 | 12,156 | 292,747 | 7,224 | 494,607 | 617,034 | 841,808 |
| Pennsylvania..... | 740,714 | 127,494 | 868,208 | 47,201 | 22,332 | 68,161 | 14,398 | 152,982 | 715,226 |
| Vermont..... | 45,428 | 48,840 | 94,268 | 1,255 | 1,697 | 83 | 37,030 | 40,014 | 54,254 |
| West Virginia..... | | | | | | | | | |
| Wisconsin..... | 789,801 | 80,618 | 870,419 | 48,310 | 12,747 | 87,692 | 19,128 | 167,877 | 702,542 |

TABLE 12.—SUMMARY OF RISKS IN FORCE DECEMBER 31, 1889, OF THE LIFE INSURANCE COMPANIES OF CLASS "A" REPORTED AS TRANSACTING BUSINESS DECEMBER 31, 1889.

| STATES AND TERRITORIES. | Number of companies. | POLICIES. | | STATES AND TERRITORIES. | Number of companies. | POLICIES. | |
|---------------------------|----------------------|-----------|-----------------|-------------------------|----------------------|-----------|----------------|
| | | Number. | Amount. | | | Number. | Amount. |
| Total..... | 59 | 4,537,285 | \$4,591,686,504 | Massachusetts..... | 6 | 394,796 | \$236,692,456 |
| California..... | 1 | 4,072 | 10,769,571 | Michigan..... | 2 | 13,672 | 30,387,256 |
| Connecticut..... | 7 | 201,041 | a343,458,495 | Missouri..... | 2 | 1,453 | 2,199,361 |
| District of Columbia..... | 1 | 2,066 | 62,688,224 | Nebraska..... | 1 | 679 | 1,224,500 |
| Iowa..... | 4 | 4,708 | 8,271,971 | New Jersey..... | 3 | 1,194,820 | 285,975,728 |
| Kansas..... | 1 | 3,682 | 7,541,500 | New York..... | 13 | 2,480,679 | 72,173,171,543 |
| Kentucky..... | 1 | 6,212 | 11,147,082 | Ohio..... | 2 | 35,962 | 43,180,551 |
| Louisiana..... | 1 | 215 | 1,336,090 | Pennsylvania..... | 7 | 61,688 | e156,470,858 |
| Maine..... | 1 | 14,873 | e27,204,606 | Vermont..... | 2 | 23,364 | 41,328,769 |
| Maryland..... | 2 | 7,396 | 6,130,712 | West Virginia..... | 1 | 1,598 | 161,393 |
| | | | | Wisconsin..... | 1 | 84,329 | 202,405,928 |

a Includes \$23,692,259, representing 17,980 policies in foreign countries.

b Includes \$247,184, representing 217 policies in foreign countries.

c Includes \$1,882,077 in foreign countries.

d Includes \$427,962,434 in foreign countries.

e Includes \$83,012, representing 18 policies in foreign countries.