29.—FORESTS AND FOREST PRODUCTS

No. 655.—FORESTS: ESTIMATED ORIGINAL AND PRESENT AREAS, GROWING AREA, ANNUAL GROWTH, AND PRESENT STAND, BY REGIONS

[NOTE.—Estimates of present area relate to 1922, of stand of timber and annual growth to 1920 or about that year. These data are necessarily approximate. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay]

	Original area (thousand acres)	Present area (thousand acres) [1]					
		Total	Saw timber			Cordwood (growing)	Nonrestocking
			Total	Virgin	Growing		
Total	**822,238**	**469,475**	**251,916**	**138,160**	**113,756**	**136,359**	**81,200**
New England [2]	38,908	25,708	11,261	2,000	9,261	8,872	5,575
Middle Atlantic [3]	69,610	28,678	11,455	1,896	9,559	10,793	6,430
Lake [4]	103,680	57,100	24,030	10,100	13,930	12,570	20,500
Central [5]	170,560	60,182	31,901	7,600	24,301	26,011	2,270
South Atlantic and East Gulf [6]	170,240	99,000	46,200	18,300	27,900	32,080	20,720
Lower Mississippi [7]	128,400	78,865	41,035	20,835	20,200	24,075	13,755
Rocky Mountain [8]	63,720	60,842	41,059	37,746	3,313	14,533	5,250
Pacific Coast [9]	77,120	59,100	44,975	39,683	5,292	7,425	6,700

	Stand of saw timber (millions of board feet)			Annual growth in growing area		
	Total	Hardwood	Softwood	Saw timber (millions of board feet)	Cordwood (millions of cubic feet)	Total (millions of cubic feet)
Total	**2,214,893**	**459,675**	**1,755,218**	**9,672**	**3,877**	**5,995**
New England [2]	49,799	11,319	38,480	609	341	474
Middle Atlantic [3]	44,857	29,504	15,353	714	342	499
Lake [4]	110,110	69,350	40,760	988	251	468
Central [5]	144,470	133,152	11,318	1,458	587	906
South Atlantic and East Gulf [6]	220,577	83,750	136,827	2,428	1,062	1,594
Lower Mississippi [7]	280,908	132,600	148,308	1,752	600	983
Rocky Mountain [8]	223,141	----------	223,141	461	264	365
Pacific Coast [9]	1,141,031	----------	1,141,031	1,262	430	706

[1] Revised October, 1922.
[2] Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
[3] New York, New Jersey, Pennsylvania, Delaware, and Maryland.
[4] Michigan, Wisconsin, and Minnesota.
[5] Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, Missouri, eastern Kansas, and eastern Nebraska.
[6] Virginia, North Carolina, South Carolina, Georgia, Florida, and Alabama.
[7] Mississippi, Arkansas, Louisiana, eastern Texas, and eastern Oklahoma.
[8] Idaho, Montana, Wyoming, Colorado, western South Dakota (Black Hills), New Mexico, Arizona, Utah, and Nevada.
[9] California, Oregon, and Washington.

Source: Report of the Forest Service, Department of Agriculture, on Senate Resolution 311.

No. 656.—STAND OF SAW TIMBER (ESTIMATED): About 1920

[Quantities in millions of board feet]

Species	Total	New England	Middle Atlantic	Lake	Central	South Atlantic and East Gulf	Lower Mississippi	Rocky Mountain	Pacific coast
Grand total	**2,214,893**	**49,799**	**44,857**	**110,110**	**144,470**	**220,577**	**280,908**	**223,141**	**1,141,031**
Eastern hardwoods, total	**459,675**	**11,319**	**29,504**	**69,350**	**133,152**	**83,750**	**132,600**		
Oak	157,372	1,510	5,500	8,301	64,712	27,889	49,460		
Birch, beech, and maple	90,784	8,143	16,897	36,076	20,505	4,522	4,641		
Red gum	44,222		176		3,728	13,400	26,918		
Chestnut	19,319	960	3,754		7,989	6,616			
Hickory	15,784	40	412	187	6,791	3,183	5,171		
Cottonwood and aspen	10,824	374	13	999	2,131	1,340	5,967		
Ash	9,988	215	513	1,893	2,929	1,256	3,182		
Yellow poplar	9,611		126	7	5,193	4,020	265		
Others	101,771	77	2,113	21,887	19,174	21,524	36,996		
Eastern softwoods, total	**391,046**	**38,480**	**15,353**	**40,760**	**11,318**	**136,827**	**148,308**		
Southern yellow pine	257,691				365	121,442	135,884		
Hemlock	30,896	1,804	5,036	18,301	3,910	1,845			
Spruce and fir	31,572	23,971	2,948	3,772		881			
Cypress	22,921					11,208	11,713		
White and Norway pine	23,457	9,816	4,037	8,000	515	1,089			
Others	24,509	2,889	[1] 3,332	10,687	[1] 6,528	362	711		
Western softwoods, total	**1,364,172**							**223,141**	**1,141,031**
Douglas fir	595,505							36,934	558,571
Western yellow pine and Jeffrey pine	249,578							66,125	183,453
Western hemlock	95,092							1,092	94,000
True firs	91,349							8,870	82,479
Redwood	72,208								72,208
Western white pine and sugar pine	57,071							18,586	38,485
Western red cedar	53,348							4,348	49,000
Lodgepole pine	43,919							39,353	4,566
Spruce	39,822							26,467	13,355
Others	66,280							21,366	44,914

[1] Includes small amounts of spruce, cypress, and various species of yellow pine.

No. 657.—NATIONAL GOVERNMENT FORESTS: Area and Standing Timber

[Note.—Figures include acreage actually acquired under the Weeks law, see Table 659. There were in 1925, 11,196,928 acres of State forests, including Hawaiian forest reserves, State parks, and other forest lands belonging to States; also 697,447 acres of municipal and county forests and parks]

State	Net area (acres) June 30, 1927	Standing timber, Jan. 1, 1926: Saw timber (million board feet)	Standing timber, Jan. 1, 1926: Cordwood (1,000 cords)	State	Net area (acres) June 30, 1927	Standing timber, Jan. 1, 1926: Saw timber (million board feet)	Standing timber, Jan. 1, 1926: Cordwood (1,000 cords)
Total	158,800,424	552,339	91,142	Nebraska	205,946		
				Nevada	4,979,146	268	6,613
Total, excl. Alaska	137,460,032	467,579	91,142	New Hampshire	427,325	1,027	
				New Jersey	6,785	3	(1)
Alabama	122,739	124	34	New Mexico	8,508,539	11,187	13,448
Alaska	21,340,392	84,760		New York	9,800	3	(1)
Arizona	11,336,462	14,385	11,427	North Carolina	376,183	421	2,727
Arkansas	982,754	1,799		Oklahoma	61,480		
California	18,971,409	100,599	24,771	Oregon	13,238,092	138,266	
Colorado	13,234,380	22,167	5,694	Pennsylvania	235,376	17	134
Florida	343,180	182	1,288	Porto Rico	12,443		
Georgia	273,505	338	455	South Carolina	61,267	73	83
Idaho	19,097,789	46,993	6,017	South Dakota	1,062,581	2,508	831
Illinois	10,710			Tennessee	322,790	567	719
Kentucky	22,660	10		Utah	7,484,522	5,225	6,670
Maine	32,256	57		Virginia	588,866	320	877
Maryland	4,725	1	6	Washington	9,625,266	77,155	
Michigan	126,762	9	37	West Virginia	225,328	75	148
Minnesota	1,001,042	859	6,349	Wyoming	8,548,234	14,447	2,813
Montana	15,919,690	28,495					

[1] Less than 500 cords.

Source of Tables 656 and 657: Forest Service, Department of Agriculture.

No. 658.—NATIONAL GOVERNMENT FORESTS: AREA OF EACH FOREST, 1927

[NOTE.—Net area is gross area less area of alienated lands]

State and forest	Net area
Aggregate (159 national forests)	*Acres* 158,800,424
Alabama	122,739
Alabama	[1] 107,389
McClellan	15,350
Alaska	21,340,392
Chugach	4,792,634
Tongass	16,547,758
Arizona	11,336,462
Apache [2]	677,392
Coconino	1,717,744
Coronado [2]	1,356,983
Crook	1,425,166
Kaibab	723,411
Prescott	1,207,706
Sitgreaves	673,921
Tonto	2,261,147
Tusayan	1,292,992
Arkansas	982,754
Ouachita	[1] 665,784
Ozark	[1] 316,970
California	18,971,409
Angeles	646,312
California	822,996
Cleveland	380,569
Crater [2]	48,218
Eldorado [2]	551,478
Inyo [2]	1,525,248
Klamath [2]	1,524,873
Lassen	944,932
Modoc	1,475,759
Mono [2]	796,219
Plumas	1,109,600
San Bernardino	597,359
Santa Barbara	1,775,076
Sequoia	1,342,430
Shasta	870,034
Sierra	1,493,513
Siskiyou [2]	329,384
Stanislaus	811,292
Tahoe [2]	515,657
Trinity	1,410,460
Colorado	13,234,380
Arapaho	636,506
Cochetopa	908,787
Colorado	828,744
Grand Mesa	659,384
Gunnison	905,265
Hayden [2]	65,769
Holy Cross	1,125,174
La Sal [2]	26,631
Leadville	927,413
Montezuma	697,582
Pike	1,087,115
Rio Grande	1,135,764
Routt	750,254
San Isabel	599,416
San Juan	1,241,720
Uncompahgre	754,291
White River	884,565
Florida: Florida	343,180
Georgia	273,505
Benning	78,560
Cherokee [2]	105,162
Nantahala [2]	89,783
Idaho	19,097,789
Boise	1,063,313
Cache [2]	494,449
Caribou [2]	703,459
Challis	1,272,023
Clearwater	793,178
Coeur d'Alene	657,873
Idaho	1,688,056
Idaho—Continued.	*Acres*
Kaniksu [2]	192,264
Lemhi	1,358,772
Minidoka [2]	520,549
Nezperce	1,661,503
Payette	1,307,555
Pend Oreille	676,572
St. Joe	555,114
Salmon	1,708,374
Sawtooth	1,158,262
Selway	1,689,157
Targhee [2]	1,031,371
Weiser	565,945
Illinois: Bellevue-Savanna	10,710
Kentucky: Knox	22,660
Maine: White Mountain [2]	32,256
Maryland: Meade	4,725
Michigan: Michigan	126,762
Minnesota	1,001,042
Minnesota	191,025
Superior	810,017
Montana	15,919,690
Absaroka	851,046
Beartooth	660,112
Beaverhead	1,339,172
Bitterroot	1,047,071
Blackfeet	832,566
Cabinet	829,653
Custer [2]	517,703
Deerlodge	828,834
Flathead	1,719,112
Gallatin	581,002
Helena	682,482
Jefferson	1,040,310
Kootenai	1,351,165
Lewis and Clark	810,731
Lolo	851,249
Madison	953,456
Missoula	1,024,026
Nebraska: Nebraska	205,946
Nevada	4,979,146
Dixie [2]	56,324
Eldorado [2]	400
Humboldt	1,322,313
Inyo [2]	60,416
Mono [2]	464,502
Nevada	1,175,128
Tahoe [2]	16,373
Toiyabe	1,883,690
New Hampshire: White Mountain [2]	427,325
New Jersey: Dix	6,785
New Mexico	8,508,539
Apache [2]	886,861
Carson	1,088,603
Coronado [2]	124,828
Datil	1,748,654
Gila	1,596,229
Lincoln	1,113,559
Manzano	679,610
Sante Fe	1,270,195
New York: Pine Plains	9,800
North Carolina	376,183
Natnahala [2]	[3] 117,094
Pisgah [2]	[3] 259,089
Oklahoma: Wichita	61,480
Oregon	13,238,092
Cascade	1,023,800
Crater [2]	805,088
Deschutes	1,296,142
Fremont	849,286
Oregon—Continued.	*Acres*
Klamath [2]	8,723
Malheur	1,048,666
Mount Hood	1,059,852
Ochoco	718,137
Santiam	610,918
Siskiyou [2]	1,032,750
Siuslaw	549,774
Umatilla [2]	920,897
Umpqua	1,014,174
Wallowa	961,701
Whitman	1,338,184
Pennsylvania	235,376
Allegheny	214,506
Tobyhanna	20,870
Porto Rico: Luquillo	12,443
South Carolina	61,267
Jackson	20,225
Nantahala [2]	41,042
South Dakota	1,062,581
Black Hills [2]	475,481
Custer [2]	73,606
Harney	513,494
Tennessee	322,790
Cherokee [2]	190,238
Pisgah [2]	19,679
Unaka [2]	112,873
Utah	7,484,522
Ashley [2]	980,332
Cache [2]	283,801
Dixie [2]	795,630
Fishlake	1,386,459
La Sal [2]	504,291
Manti	725,476
Minidoka [2]	70,635
Powell	1,051,505
Uinta	1,076,626
Wasatch	609,767
Virginia	588,866
Eustis	4,220
Humphreys	3,184
Lee	7,177
Monongahela [2]	10,414
Natural Bridge	157,246
Shenandoah [2]	361,416
Unaka [2]	45,209
Washington	9,625,266
Chelan	1,807,962
Columbia	759,430
Colville	747,142
Kaniksu [2]	273,163
Mount Baker	1,460,651
Olympic	1,529,501
Rainier	1,261,558
Snoqualmie	612,095
Umatilla [2]	313,359
Wenatchee	860,405
West Virginia	225,328
Monongahela [2]	165,639
Shenandoah [2]	59,689
Wyoming	8,548,234
Ashley [2]	6,460
Bighorn	1,125,632
Black Hills [2]	147,003
Caribou [2]	6,315
Hayden [2]	327,784
Medicine Bow	552,275
Shoshone	1,619,796
Targhee [2]	345,570
Teton	1,881,212
Washakie	867,899
Wyoming	1,668,288

[1] Figures include acreage actually acquired under the Weeks law. (See Table 659.)
[2] Forest lies in more than one State.
[3] Figures include acreage transferred from the Treasury Department.

Source: Forest Service, Department of Agriculture.

No. 659.—NATIONAL GOVERNMENT FORESTS: LANDS ACQUIRED OR APPROVED FOR PURCHASE UNDER WEEKS LAW TO JUNE 30, 1927

State and area	Total area approved for purchase	Area acquired	Area approved but not acquired
	Acres	*Acres*	*Acres*
Grand total	2,892,741	2,564,619	328,122
Alabama: Alabama	92,856	89,640	3,216
Arkansas, total	107,147	77,688	29,459
Ouachita	49,566	39,190	10,376
Ozark	57,581	38,498	19,083
Georgia, total	246,422	194,945	51,477
Cherokee (part)	151,029	105,162	45,867
Nantahala (part)	95,393	89,783	5,610
Maine: White Mountain (part)	33,348	32,256	1,092
Michigan: Michigan	55,240	----------	55,240
Minnesota: Superior	1,900	----------	1,900
New Hampshire: White Mountain (part)	437,341	427,325	10,016
North Carolina, total	372,248	364,814	7,434
Cherokee (part)	6,656	----------	6,656
Nantahala (part)	114,204	113,792	412
North Carolina—Continued: Pisgah (part)	251,388	251,022	366
Pennsylvania: Allegheny	280,722	214,506	66,216
South Carolina: Nantahala (part)	43,058	41,042	2,016
Tennessee, total	377,449	322,790	54,659
Cherokee (part)	199,375	190,238	9,137
Pisgah (part)	31,092	19,679	11,413
Unaka (part)	146,982	112,873	34,109
Virginia, total	589,208	574,285	14,923
Monongahela (part)	10,414	10,414	--------
Natural Bridge	161,792	157,246	4,546
Shenandoah (part)	370,099	361,416	8,683
Unaka (part)	46,903	45,209	1,694
West Virginia, total	255,802	225,328	30,474
Monongahela (part)	185,389	165,639	19,750
Shenandoah (part)	70,413	59,689	10,724

Source: Reports of the National Forest Reservation Commission.

No. 660.—NATIONAL GOVERNMENT FORESTS: OPERATIONS, YEARS ENDED JUNE 30

	1921	1922	1923	1924	1925	1926
Timber sales:						
Number[1]	13,690	12,926	12,720	13,382	12,349	13,199
Quantity[2] ..... M ft.[3]	1,276,991	1,878,464	3,146,736	1,333,254	1,771,531	1,489,372
Timber cut under sales[1] ..... do	687,922	876,973	1,055,035	1,093,278	1,183,167	1,175,273
Free timber given:						
Number of users[1]	40,535	37,158	34,032	35,568	32,695	34,797
Timber cut ..... M ft.[3]	123,245	89,510	96,985	89,367	78,348	[1] 88,170
Value ..... dolls	117,054	98,843	97,934	93,900	81,902	[1] 97,330
Grazing, kinds of stock:[4]						
Cattle[1] ..... No	1,999,680	1,882,491	1,804,274	1,664,087	1,538,942	1,456,858
Goats ..... do	43,574	36,153	31,379	29,068	19,795	[1] 15,666
Hogs ..... do	2,453	2,149	1,347	1,560	846	[1] 1,085
Horses ..... do	78,115	67,856	64,104	58,184	57,904	[1] 57,396
Sheep ..... do	6,936,377	6,497,912	6,377,759	6,301,308	6,162,263	[1] 6,212,657
Revenue, total ..... dolls	4,151,931	3,421,531	5,335,818	5,251,903	5,000,137	5,155,661
From—						
Timber[5] ..... do	1,769,943	1,813,171	2,721,876	3,036,396	2,940,393	3,366,685
Water power ..... do	85,069	99,657	73,174	82,916	95,287	94,718
Special uses ..... do	158,296	175,182	187,501	207,637	229,236	259,820
Grazing ..... do	2,132,075	1,315,975	2,341,486	1,915,561	1,725,377	1,421,589
All other ..... do	6,548	17,546	11,781	9,393	9,844	12,849

[1] Data are for calendar year.
[2] Amount sold is to be cut during a period of years, hence greater than amount cut in any one year.
[3] Board measure.
[4] Prior to 1922, number for which permits were granted; thereafter, number actually grazed.
[5] Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source: Reports of the Forest Service, Department of Agriculture.

No. 661.—LUMBER PRODUCTION: TOTAL AND BY SPECIES

[NOTE.—In the data designated as "Reported production" there are considerable variations in the comprehensiveness of the returns. For 1889 and 1904 custom mills are excluded and beginning with 1910 in each year except 1919 custom mills and mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly. Apart from the specific exclusions mentioned there are other variations in the completeness of the returns]

[All figures in millions of board feet]

Year (calendar)	Reported production			Estimated total cut	Year (calendar)	Reported production			Estimated total cut
	Total	Hardwood	Softwood			Total	Hardwood	Softwood	
1869	12,756			(1)	1916	39,807	8,475	31,332	40,000
1879	18,091			(1)	1917	35,831	6,657	29,174	36,000
1889	23,842			(1)	1918	31,890	6,223	25,667	32,000
1899	[2]34,787	8,634	26,153	35,084	1919	34,552	7,145	27,407	34,552
1904	34,135	6,782	27,353	43,000	1920	33,799	6,989	26,810	33,799
1909	44,510	10,613	33,897	44,510	1921	26,961	4,775	22,186	30,500
1910	40,018	8,857	31,161	44,500	1922	31,569	4,925	26,644	35,000
1911	37,003	8,101	28,902	43,000	1923	37,166	6,262	30,904	39,000
1912	39,158	8,632	30,526	45,000	1924	35,931	6,525	29,406	37,000
1913	38,387	8,084	30,303	44,000	1925	38,339	6,628	31,710	39,000
1914	37,346	7,939	29,407	40,500	1926	36,936	6,467	30,469	35,000
1915	37,012	7,527	29,485	38,000					

Species	Reported production by species							
	1899	1909	1914	1919	1923	1924	1925	1926
Softwoods:								
Yellow pine	9,659	16,277	14,473	13,063	12,949	12,487	13,236	11,752
Douglas fir	1,737	4,856	4,764	5,902	8,223	7,462	8,154	8,807
White pine	7,742	3,900	2,633	1,724	1,572	1,531	1,521	1,366
Hemlock	3,421	3,051	2,166	1,755	1,873	1,879	2,140	2,159
Western yellow pine	945	1,500	1,327	1,755	2,805	2,603	3,127	3,173
Spruce	1,448	1,749	1,246	980	758	717	751	647
Cypress	496	956	1,013	656	819	877	903	752
Redwood	360	522	535	410	592	604	511	488
Cedar	233	346	500	332	365	330	372	368
Larch	51	421	359	388	351	306	307	254
White fir		89	113	223	330	319	337	350
Sugar pine	54	97	136	134	228	246	307	306
Balsam fir		109	125	68	19	22	20	18
Lodge pole pine		24	18	16	16	23	25	29
All other softwood	9				4			
Hardwoods:								
Oak	4,438	4,414	3,279	2,708	2,028	2,077	2,129	2,191
Maple	633	1,107	910	857	842	857	921	829
Red gum	285	707	675	851	1,016	1,071	1,101	1,133
Yellow poplar	1,115	858	519	329	353	351	376	322
Chestnut	207	664	541	546	350	313	308	298
Birch	133	452	431	375	351	382	412	365
Beech		511	376	359	191	194	181	175
Basswood	308	399	265	184	173	200	180	153
Elm	457	347	214	194	206	209	191	182
Cottonwood	415	266	195	144	158	167	142	122
Ash	269	291	189	155	149	183	179	164
Hickory	97	334	116	170	96	86	79	86
Tupelo		97	124	144	175	235	220	256
Walnut	39	46	26	39	49	68	70	52
Sycamore	30	57	23	28	25	28	24	32
All other hardwood	209	63	56	61	100	104	115	107

[1] Not available.

[2] Excludes items reported in M feet b. m. under "Other sawed products." (For total including these items, see Table 662.)

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture. Estimated total cut for certain years based on National Lumber Manufacturers' Association data.

No. 662.—LUMBER: Reported Production by Regions and States

[Note.—See headnote, Table 661]

[In millions of board feet]

	1889	1899	1909	1914	1919	1923	1924	1925	1926
United States	23,842	35,078	44,510	37,346	34,552	37,166	35,931	38,339	36,936
Northeastern	4,726	5,709	5,197	3,553	2,584	1,632	1,619	1,507	1,410
Maine	597	785	1,112	993	596	376	370	330	341
New Hampshire	277	572	650	483	339	255	265	261	243
Vermont	384	376	352	250	218	120	127	126	112
Massachusetts	212	344	361	143	167	128	130	109	86
Connecticut	49	108	168	82	87	59	48	42	47
New York	925	878	681	486	358	236	238	198	171
New Jersey	34	74	62	49	37	14	12	10	7
Pennsylvania	2,133	2,338	1,463	865	630	361	343	331	319
Maryland	82	184	268	162	113	63	68	89	69
Rhode Island	8	19	25	16	11	4	4	4	6
Delaware	23	36	55	26	27	16	14	7	9
Central	3,130	5,643	5,487	3,621	3,016	2,045	2,037	1,969	1,987
Ohio	565	990	543	286	280	152	155	141	142
Indiana	755	1,037	556	299	282	189	193	179	139
Illinois	222	388	170	66	65	28	33	30	38
Missouri	402	724	660	371	321	179	189	187	179
West Virginia	302	778	1,473	1,118	763	640	614	583	589
Kentucky	423	775	861	596	512	196	194	207	217
Tennessee	460	951	1,224	885	792	661	659	642	683
Lake States	8,251	8,750	5,476	3,918	2,692	2,392	2,338	2,445	2,047
Michigan	4,300	3,018	1,890	1,214	876	833	794	797	663
Minnesota	1,084	2,342	1,562	1,312	700	552	528	579	471
Wisconsin	2,866	3,389	2,025	1,391	1,116	1,070	1,016	1,069	913
North Carolina Pine States	1,129	2,712	5,177	4,417	3,374	2,937	2,646	2,730	2,569
Virginia	416	959	2,102	1,488	1,098	771	696	709	677
North Carolina	515	1,287	2,178	2,228	1,654	1,096	1,072	1,041	971
South Carolina	199	466	898	702	622	1,070	878	980	921
Southern States	3,718	8,404	14,796	13,384	12,704	13,524	13,583	14,418	13,003
Georgia	575	1,312	1,342	1,026	894	1,149	1,207	1,365	1,145
Florida	412	790	1,202	1,074	1,137	1,110	1,089	1,064	921
Alabama	589	1,101	1,691	1,495	1,799	1,787	1,873	2,236	2,105
Mississippi	454	1,206	2,573	2,281	2,390	2,691	2,807	3,128	2,895
Arkansas	538	1,624	2,111	1,797	1,772	1,538	1,536	1,597	1,441
Louisiana	304	1,115	3,552	3,956	3,164	3,554	3,397	3,293	2,890
Texas	843	1,232	2,099	1,554	1,380	1,559	1,529	1,578	1,456
Oklahoma	3	22	226	201	168	136	155	157	150
Rocky Mountain States	249	556	1,292	1,340	1,299	1,811	1,700	1,920	1,668
Montana	90	256	308	318	287	427	350	389	379
Idaho	28	65	646	764	765	1,073	1,018	1,140	947
Arizona	5	36	63	79	74	131	143	146	115
New Mexico	26	31	92	57	87	126	125	152	127
Colorado	80	134	142	102	65	38	42	71	75
Utah	14	18	13	9	12	8	7	6	6
Wyoming	6	17	29	12	9	8	15	16	19
Pacific States	2,028	[1] 2,902	6,906	7,067	8,798	[1] 12,762	[1] 11,929	[1] 13,287	[1] 14,189
Washington	1,064	1,429	3,863	3,946	4,961	6,678	6,267	7,027	7,546
Oregon	446	735	1,899	1,818	2,577	3,966	3,666	4,217	4,455
California	518	737	1,114	1,303	1,259	[1] 2,118	[1] 1,906	[1] 2,043	[1] 2,188
All other [2]	612	401	179	46	85	63	69	63	63
Iowa	569	352	132	11	18	10	12	10	--------
PERCENTAGE DISTRIBUTION									
United States	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Northeastern States	19.8	16.3	11.7	9.5	7.5	4.4	4.5	3.9	3.8
Central States	13.1	16.1	12.3	9.7	8.7	5.5	5.7	5.1	5.4
Lake States	34.6	24.9	12.3	10.5	7.8	6.4	6.5	6.4	5.5
North Carolina Pine States	4.7	7.7	11.6	11.8	9.8	7.9	7.4	7.1	7.0
Southern States	15.6	24.0	33.3	35.8	36.8	36.4	37.8	37.6	35.2
Rocky Mountain States	1.1	1.6	2.9	3.6	3.7	4.9	4.7	5.0	4.5
Pacific States	8.5	8.3	15.5	18.9	25.4	34.3	33.2	34.7	38.4
All other	2.6	1.1	.4	.1	.2	.2	.2	.2	.2

[1] Figures include Nevada.

[2] Includes, besides Iowa, the plains States of Kansas, Nebraska, South Dakota, and in certain years small figures for the District of Columbia and Nevada.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 663.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

[NOTE.—Quantities are based mainly upon averages of production within the period 1912-1921. Values are based on prices prevailing in 1919 and include all value added to the material by cutting, transporting, manufacturing, or otherwise preparing for use]

Product and waste	Unit of measure	Quantity in thousands	Approximate value or cost	Equivalent in lumber which could have been sawed from same trees: Total (M feet, b. m.)	Softwoods (M feet, b. m.)	Hardwoods (M feet, b. m.)
Aggregate			$2,254,015,000	60,193,700	41,057,780	19,135,920
Products, total			2,232,015,000	52,943,700	35,307,780	17,635,920
Lumber, dimension material and sawed ties.	Foot, b. m.	37,700,000	1,138,917,000	37,700,000	28,275,000	9,425,000
Fuel wood	Cord	100,000	475,000,000	5,000,000	1,500,000	3,500,000
Pulpwood	do	5,000	79,750,000	2,340,000	2,145,000	195,000
Ties, hewed	Number	70,000	73,500,000	2,100,000	420,000	1,680,000
Cooperage stock:						
Tight staves	do	350,000	19,250,000	532,000	133,000	399,000
Tight heading	Set	24,000	12,000,000	178,000	36,200	141,800
Slack staves	Number	1,200,000	18,000,000	362,000	121,600	240,400
Slack heading	Set	90,000	10,800,000	333,000	166,500	166,500
Hoops	Number	120,000	1,800,000	21,500		21,500
Shingles	do	9,000,000	37,710,000	900,000	900,000	
Mine timbers	Cubic foot	293,000	56,913,000	879,000	439,500	439,500
Fence posts	Number	900,000	225,000,000	825,000	660,000	165,000
Veneer logs	Foot, l. s.	576,000	25,079,000	691,200	103,680	587,520
Poles	Number	4,250	10,625,000	255,000	200,000	55,000
Vehicle stock, woodenware, handles, furniture, etc.	Board foot.	200,000	7,288,000	200,000	2,300	197,700
Distillation wood	Cord	1,400	9,268,000	185,000		185,000
Piling	Number	1,500	6,000,000	180,000	140,000	40,000
Export logs and hewn timbers	Board foot.	100,000	3,445,000	100,000	50,000	50,000
Tanning extract wood	Cord	1,000	10,250,000	87,000		87,000
Excelsior wood	do	200,000	1,800,000	75,000	15,000	60,000
Lath	Number	2,000,000	9,620,000			
Destroyed by fire	Cubic foot	1,080,000	10,000,000	2,250,000	1,750,000	500,000
Destroyed by insects, disease, and windfall.	do	1,300,000	12,000,000	5,000,000	4,000,000	1,000,000

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 664.—LUMBER: COMPOSITE PRICES

[NOTE.—The prices represent a combined weighted average for the respective species of lumber, based on quotations on various grades for each species, and the species weighted according to annual production. The softwood index is based upon seven species: Yellow pine, Douglas fir, North Carolina pine, white pine, hemlock, spruce, and cypress. The hardwood index is based upon 13 species: Maple, birch, beech, basswood, elm, oak, gum, ash, cottonwood, chestnut, poplar, hickory, and walnut]

[Dollars per 1,000 board feet]

Month	Softwoods 1923	1924	1925	1926	1927	Hardwoods 1923	1924	1925	1926	1927
Year	$33.86	$30.95	$30.71	$30.57	$29.86	$46.72	$43.11	$41.80	$41.56	$41.13
January	34.51	31.98	31.44	30.79	29.74	46.18	43.71	43.49	42.60	41.11
February	35.53	32.97	31.68	31.32	29.76	48.30	44.14	44.23	43.79	41.08
March	36.56	32.44	31.63	31.44	30.26	49.18	44.46	43.78	43.00	40.80
April	36.94	32.28	31.41	31.48	30.52	50.28	44.60	42.92	41.96	40.65
May	36.47	31.34	30.84	31.46	30.65	49.78	44.67	41.43	41.70	41.96
June	35.10	29.97	29.93	30.22	30.65	48.42	42.53	40.94	41.61	42.47
July	33.23	29.31	29.85	30.21	30.57	47.05	42.12	40.22	39.95	42.59
August	31.84	29.82	30.15	29.93	29.49	45.35	41.77	40.16	39.95	42.40
September	31.39	30.27	30.35	29.90	29.74	44.58	41.90	40.58	40.96	41.64
October	31.69	29.79	30.35	30.28	31.77	44.37	42.19	40.54	40.93	40.02
November	31.56	30.21	30.59	29.98	28.29	43.68	42.59	41.67	41.15	39.04
December	31.48	30.96	30.34	29.78	26.84	43.46	42.63	41.69	41.15	39.74

Source: Department of Commerce, Survey of Current Business, compiled from weekly data published in the Lumber Manufacturer and Dealer.

No. 665.—LUMBER: Average Mill Value per 1,000 Board Feet

Kind of wood	1899	1904	1909	1919	1920	1921	1922	1923	1924	1925	1926
All kinds [1]	$11.13	$12.76	$15.38	$30.21	$38.42	$23.47	$26.15	$31.78	$28.57	$28.02	$27.34
SOFTWOODS											
Balsam fir	(2)	(2)	13.99	32.23	34.33	25.71	25.05	27.62	27.66	26.65	25.64
Cedar	10.91	14.35	19.95	33.80	38.68	38.55	29.19	37.56	38.74	33.80	37.28
Cypress	13.32	17.50	20.46	38.38	51.02	36.88	40.05	44.61	42.08	40.90	43.33
Douglas fir	8.67	9.51	12.44	24.62	34.59	18.04	20.93	26.99	22.08	20.94	20.17
Hemlock	9.98	11.91	13.95	29.16	32.05	20.79	21.83	26.21	23.35	21.58	20.23
Larch (tamarack)	8.73	11.39	12.68	23.39	30.28	15.56	18.54	21.98	20.82	18.25	17.77
Lodgepole pine	(2)	(2)	16.25	29.98	30.58	21.81	19.07	21.76	21.07	20.22	19.98
Redwood	10.12	12.83	14.80	30.04	46.90	40.57	35.72	43.08	35.90	33.99	33.80
Spruce	11.27	14.03	16.91	30.76	38.94	25.73	25.47	31.44	30.18	27.98	27.27
Sugar pine	12.30	(2)	18.14	35.99	48.76	37.83	43.78	45.33	40.54	44.79	48.45
Yellow pine	8.46	9.96	12.69	28.71	35.89	19.42	23.66	29.82	26.55	26.46	26.54
Western yellow pine	9.70	11.30	15.39	27.75	38.73	26.95	27.75	33.09	27.73	27.70	26.63
White fir	(2)	(2)	13.10	25.66	30.44	21.37	19.97	23.84	21.69	22.51	20.15
White pine	12.69	14.93	18.16	32.83	41.49	30.03	36.37	34.85	32.66	32.58	31.36
HARDWOODS											
Ash	15.84	18.77	24.44	52.69	61.28	38.18	42.43	50.35	49.54	48.46	48.07
Basswood	12.84	16.86	19.50	40.03	54.28	33.09	35.67	45.60	41.94	39.76	37.07
Beech	(2)	(2)	13.25	29.98	36.51	26.99	26.84	30.22	29.95	29.21	27.84
Birch	12.50	15.44	16.95	35.79	53.44	31.53	35.84	43.33	43.83	41.68	40.80
Chestnut	13.37	13.78	16.12	32.30	42.48	27.87	29.29	29.75	25.07	30.37	29.54
Cottonwood	10.37	14.92	18.05	32.24	33.38	25.05	26.95	30.19	29.43	26.70	34.47
Elm	11.47	14.45	17.52	36.39	47.23	29.63	33.28	43.53	38.63	36.41	37.13
Gum, red and sap	9.63	10.87	13.20	32.68	35.24	22.46	27.07	32.35	30.24	31.39	33.73
Hickory	18.78	23.94	30.80	44.37	52.57	36.60	36.20	46.39	52.24	39.25	51.20
Maple	11.83	14.94	15.77	35.56	50.16	30.34	33.52	41.59	40.36	39.18	37.21
Oak	13.78	17.51	20.50	37.87	46.88	30.56	34.01	39.08	36.13	37.00	35.67
Sycamore	11.04	(2)	14.87	30.32	32.12	22.55	25.29	30.25	29.31	31.11	29.49
Tupelo	(2)	(2)	11.87	28.42	33.68	18.59	22.86	24.90	25.86	24.66	26.71
Yellow poplar	14.03	18.99	25.39	41.65	58.87	37.31	39.18	51.29	44.38	43.44	38.63
Walnut	36.49	45.64	43.79	72.13	88.92	88.83	80.08	109.38	103.66	111.53	113.57

[1] Including minor species. [2] No data.

Sources: Bureau of the Census, Department of Commerce and Forest Service, Department of Agriculture.

No. 666.—VENEERS: Timber Consumed in Manufacturing Veneers

[In thousands of feet, log scale]

State	1909	1923	1925	Kind of wood	1909	1923	1925
Total	435,981	645,793	734,599	*Domestic*			
Alabama	14,565	43,214	38,561	Basswood	13,715	8,771	9,413
Arkansas	26,116	64,117	58,122	Birch	24,643	43,936	51,490
Florida	33,293	49,016	29,999	Cottonwood	30,842	40,404	39,869
Illinois	35,646	13,722	11,967	Douglas fir	1,111	55,123	101,869
Kentucky	19,356	25,020	23,309	Elm	16,254	9,570	8,503
Louisiana	3,164	23,728	34,395	Maple	35,444	23,310	23,922
Mississippi	7,563	45,496	57,268	Red gum	129,930	220,703	237,465
New York	24,218	16,382	24,095	Tupelo	18,476	36,396	48,311
North Carolina	19,984	53,196	64,640	Walnut	2,400	15,452	17,573
Oregon	3,291	26,369	29,793	White oak	28,742	12,940	20,661
South Carolina	2,944	20,783	29,669	Yellow pine	48,143	65,100	45,818
Tennessee	30,574	30,983	40,454	Yellow poplar	28,826	45,376	50,770
Virginia	21,609	21,179	26,416	All other	32,905	58,373	65,201
Washington	5,419	53,510	112,484	*Imported*			
Wisconsin	31,737	37,513	34,292				
All other	156,502	121,565	119,135	Mahogany	16,057	6,664	7,471
				Spanish cedar	5,140	2,714	5,149
				All other	3,353	961	1,114

Source: Bureau of the Census, Department of Commerce.

No. 667.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
United States:			United States—Contd.		
1899	2, 523, 998	12, 102, 017	1920	1, 952, 983	6, 156, 416
1904	2, 647, 847	14, 546, 551	1921	1, 970, 696	6, 843, 187
1910	3, 494, 718	12, 976, 362	1922	2, 940, 714	8, 131, 242
1915	2, 745, 134	8, 459, 378	1923	3, 328, 013	7, 506, 869
1916	2, 754, 683	9, 371, 333	1924	2, 961, 200	6, 862, 385
1917	2, 281, 738	8, 696, 513	1925	3, 161, 137	7, 324, 027
1918	1, 362, 187	5, 690, 182	1926	3, 083, 130	6, 008, 346
1919	1, 724, 078	9, 192, 704			

States	Lath				Shingles			
	1909	1919	1925	1926	1909	1919	1925	1926
Alabama	50, 979	42, 502	44, 582	39, 330	245, 871	62, 241	16, 983	16, 309
Arkansas	78, 362	72, 827	58, 317	48, 935	208, 080	98, 937	21, 478	1, 713
California	32, 615	43, 042	[1] 146, 412	104, 199	574, 342	191, 831	143, 384	168, 194
Florida	55, 741	76, 402	147, 867	132, 389	283, 206	128, 286	47, 130	32, 408
Georgia	58, 704	19, 718	22, 186	10, 191	443, 260	114, 806	18, 762	11, 643
Idaho	86, 740	69, 150	134, 340	109, 935	62, 308	22, 657	15, 836	19, 487
Louisiana	377, 708	199, 018	320, 443	273, 346	757, 868	300, 784	111, 887	82, 977
Maine	337, 086	104, 223	184, 533	164, 615	598, 131	188, 576	91, 264	57, 587
Michigan	218, 308	51, 469	71, 360	58, 129	891, 649	144, 173	88, 053	70, 418
Minnesota	478, 008	115, 741	317, 149	224, 560	74, 818	4, 451	330	740
Mississippi	90, 926	96, 204	170, 961	197, 968	151, 303	34, 002	23, 841	15, 732
Montana	35, 430	21, 362	32, 109	32, 281	525	253	2, 760	275
North Carolina	70, 724	19, 079	11, 661	29, 534	280, 942	92, 139	29, 417	23, 575
Oregon	161, 512	122, 848	360, 438	388, 733	293, 644	530, 066	442, 628	309, 727
Texas	59, 627	35, 916	60, 107	70, 661	137, 719	13, 581	1, 038	1, 966
Virginia	127, 555	27, 073	27, 073	29, 008	39, 172	1, 637	58	57
Washington	451, 384	339, 058	766, 591	901, 976	8, 879, 467	7, 095, 122	6, 196, 650	5, 135, 160
West Virginia	150, 820	22, 005	33, 810	61, 224	6, 829	120	----------	391
Wisconsin	299, 845	138, 936	142, 764	119, 533	392, 863	96, 928	54, 440	50, 745
All other	481, 121	107, 505	108, 434	86, 583	585, 374	72, 114	18, 088	9, 242

[1] Includes Nevada.

No. 668.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

[NOTE.—Production of wooden hoops in 1923 was 153,954,000 and in 1925, 149,167,000, nearly all elm]

Year and State	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
Total: 1909	379, 231	2, 029, 548	20, 691	140, 234
1919	353, 825	1, 121, 324	24, 274	87, 381
1921	255, 047	893, 621	20, 505	66, 747
1923	222, 507	893, 682	19, 342	80, 477
1925	240, 023	937, 597	23, 052	71, 371
1925				
Alabama	12, 605	48, 722	242	19, 471
Arkansas	46, 459	245, 693	5, 647	--------
Florida	(1)	16, 734	(1)	906
Georgia	4, 540	11, 490	578	7, 279
Louisiana	21, 044	53, 845	1, 356	5, 383
Maine	--------	12, 029	(1)	251
Massachusetts	(1)	5, 219	(1)	614
Mississippi	8, 892	54, 686	418	--------
Missouri	(1)	115, 822	(1)	4, 316
New Hampshire	18, 888	1, 442	1, 180	1, 048
North Carolina	--------	56, 729	--------	4, 175
Tennessee	18, 334	37, 074	4, 028	1, 010
Virginia	(1)	112, 321	--------	1, 987
Washington	54, 271	--------	4, 835	--------
All other	54, 990	165, 791	4, 768	24, 931

Kind of wood	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
1925				
Total	240, 023	937, 597	23, 052	71, 371
White oak	59, 322	9, 044	6, 745	--------
Red oak	41, 608		3, 940	--------
Gum	17, 176	342, 434	1, 712	12, 050
Pine	22, 899	212, 416	1, 681	31, 867
Douglas fir	39, 807	52, 148	2, 693	1, 466
Hemlock	(1)	--------	403	--------
Ash	4, 499	47, 423	786	4, 441
Elm	(1)	101, 011	--------	706
Tupelo	--------	31, 529	--------	976
Cottonwood	--------	59, 730	--------	4, 480
Birch	--------	8, 798	--------	4, 424
Beech	--------	--------	--------	2, 803
Spruce	52, 994	15, 759	4, 841	1, 814
Maple	--------	--------	--------	1, 367
Poplar	--------	12, 289	--------	--------
Basswood	--------	--------	--------	2, 930
All other	1, 718	45, 016	251	2, 047

[1] Included in "All other."

Sources of Tables 667 and 668: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 669.—PULPWOOD: Consumption by Mills, and Mill Cost

[Note.—Figures include both domestic and imported wood. The cost is f. o. b. pulp mill]

Year	Quantity, all species (cords)	Cost: Total (thousand dollars)	Cost: Average per cord	Year	Quantity, all species (cords)	Cost: Total (thousand dollars)	Cost: Average per cord	Year	Quantity, all species (cords)	Cost: Total (thousand dollars)	Cost: Average per cord
1899	1,986,310	9,838	$4.95	1914	4,470,763	39,408	$8.81	1921	4,557,179	91,589	$20.10
1905	3,192,123	17,736	5.56	1916	5,228,558	[1] 45,786	8.76	1922	5,548,842	89,895	16.20
1908	3,346,953	28,047	8.38	1917	5,480,075	60,815	11.10	1923	5,872,870	95,306	16.23
1909	4,001,607	34,478	8.62	1918	5,250,794	73,167	13.93	1924	5,768,082	92,672	16.07
1910	4,094,306	--------	--------	1919	5,447,832	87,386	15.95	1925	6,093,821	94,340	15.48
1911	4,328,052	--------	--------	1920	6,114,072	116,496	19.03	1926	6,766,007	101,229	14.96

KIND OF WOOD	Total consumption (cords): 1909	1919	1925	1926	Consumption by processes, 1926 (cords): Mechanical	Sulphite	Soda	Sulphate	Avg. cost per cord, 1926
Total	4,001,607	5,477,832	6,093,821	6,766,007	1,725,653	3,143,811	900,800	995,743	14.96
Spruce:									
Domestic	1,653,249	2,313,419	2,253,219	2,415,870	1,074,462	1,293,664	--------	47,744	17.38
Imported	768,332	873,795	818,143	1,013,155	396,884	557,747	40,180	18,344	19.96
Hemlock:									
Domestic	559,657	795,154	1,013,109	1,064,661	92,953	858,808	--------	112,900	11.79
Imported			21,705	10,702	6,834	3,868	--------	--------	12.68
Yellow pine	90,885	234,463	531,157	684,816	8,024	21,929	104,197	550,666	8.53
Poplar:									
Domestic	302,876	180,160	206,982	212,178	12,442	7,734	187,197	4,805	14.09
Imported	25,622	158,220	195,938	210,133	9	711	209,413	--------	16.44
Balsam fir:									
Domestic	95,366	288,814	214,600	254,614	66,987	134,683	--------	52,944	14.43
Imported			52,590	42,500	23,212	19,288	--------	--------	20.94
Yellow poplar	(1)	72,605	145,871	134,747	450	--------	134,297	--------	13.03
Jack pine	(2)	51,581	102,040	137,494	11,026	--------	--------	126,468	10.75
White fir	37,176	31,138	84,305	76,421	23,009	53,412	--------	--------	9.76
Tamarack or larch	(3)	44,042	76,585	94,695	--------	18,367	--------	76,328	11.45
Gum	(3)	30,355	43,386	49,801	102	--------	49,699	--------	14.21
All other	219,467	229,005	177,975	183,553	2,651	7,081	173,617	204	11.87
Slabs and other mill waste	248,977	175,081	156,216	180,667	6,608	166,519	2,200	5,340	8.52

[1] Included in domestic poplar. [2] Included in yellow pine. [3] Included in "All other."

No. 670.—WOOD PULP PRODUCTION: Total and by States and Processes

[Note.—In 1926, 1,677,326 tons of mechanical pulp were not steamed and 86,922 tons steamed; of the chemical pulp (sulphite, soda, and sulphate) 1,407,717 tons were unbleached and 1,167,338 were bleached]

Year	Tons	Year	Tons	Year	Tons	Year	Tons
1899	1,179,525	1917	3,509,939	1921 [1]	2,875,601	1925 [1]	3,962,217
1904	1,921,768	1918	3,313,861	1922	3,521,644	1926 [1]	4,394,766
1909	2,495,523	1919 [1]	3,517,952	1923 [1]	3,788,672		
1914 [1]	2,893,150	1920	3,821,704	1924	3,723,266		

	1909 [2]	1919	1921	1923	1924	1925	1926 [2]
Principal States:							
Maine	620,705	916,764	710,329	901,007	895,451	917,632	945,790
New York	679,534	811,958	606,869	760,199	755,156	770,777	822,131
Wisconsin	--------	506,549	488,501	577,993	609,081	599,601	712,565
Pennsylvania	--------	215,686	167,310	236,900	216,862	224,399	233,258
New Hampshire	--------	232,134	152,797	188,323	151,863	217,489	248,600
Michigan	--------	106,194	103,532	138,034	145,565	161,063	200,604
Minnesota	--------	129,560	117,934	170,609	141,165	171,536	190,454
Washington	--------	83,575	95,161	136,943	159,539	161,858	199,164
West Virginia	--------	39,195	27,623	23,072	27,703	27,167	--------
Vermont	--------	85,945	41,945	70,840	45,587	46,597	46,376
California and Oregon	--------	123,990	124,494	162,653	149,894	160,736	178,841
All other	1,195,284	266,402	239,106	422,099	425,400	503,362	616,983
Processes:							
Mechanical	1,179,266	1,518,829	1,267,382	1,580,553	1,643,283	1,612,019	1,764,248
Sulphite	1,017,631	1,419,829	1,166,926	1,448,690	1,336,551	1,403,086	1,558,175
Soda	298,626	411,693	300,533	445,162	440,697	472,647	496,920
Sulphate	--------	120,378	140,760	314,267	302,735	409,768	519,960

[1] Total includes screenings.
[2] Blank spaces indicate figures not reported separately.

Sources of Tables 669 and 670: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 671.—PAPER AND WOOD PULP: Census Statistics of Production

[Note.—The total value of products involves duplication due to the use of pulp produced by certain plants as material in other plants. Pulp made and consumed in the same plant is not included]

	Quantity (thousands of short tons)			Value (thousands of dollars)		
	1914	1923	1925	1914	1923	1925
All products, total value				332, 147	907, 347	971, 882
Total paper	5, 270	8, 029	9, 182	291, 588	812, 509	862, 589
Standard newsprint, in rolls and sheets	1, 313	1, 521	1, 563	52, 943	110, 865	106, 083
Hanging papers	97	111	105	4, 589	10, 285	9, 506
Poster, novel, tablet, lining, etc	8	55	84	491	4, 960	7, 096
Book paper	904	1, 208	1, 343	70, 102	169, 286	177, 292
Cover paper	22	21	24	2, 809	4, 973	5, 806
Fine paper	248	377	474	34, 055	89, 098	105, 474
Wrapping paper	882	1, 027	1, 147	49, 373	120, 763	125, 967
Bag paper (all kinds)	(1)	124	124	(1)	16, 579	14, 617
Tag board, light manila board, and pattern	[2] 29	[2] 34	21	[2] 1, 935	[2] 4, 190	3, 004
Boards	1, 292	2, 793	3, 287	44, 869	182, 867	192, 942
Tissue paper	115	251	281	11, 536	44, 144	45, 735
Blotting paper	14	16	13	1, 458	3, 776	2, 585
Building and sheathing, felts, and roofing	[3] 244	[3] 345	555	[3] 9, 476	[3] 23, 529	44, 031
All other paper	102	148	161	8, 052	27, 194	22, 451
Wood pulp, for sale or transfer to other mills	912	1, 063	913	31, 678	65, 497	55, 200
All other products [4]				8, 881	29, 341	54, 093

[1] Not reported separately.
[2] Reported as "tag stock (rope, jute, and sulphite)."
[3] Reported as building, roofing, asbestos, etc.
[4] Largely paper bags and paper boxes and containers.

No. 672.—TURPENTINE AND ROSIN PRODUCTION

Year [1]	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum	From wood	Total	From gum	From wood
United States:						
1899	37, 733, 500	37, 733, 500	(2)	2, 434, 933	2, 434, 933	(2)
1904	31, 129, 236	30, 687, 051	442, 185	1, 964, 674	1, 964, 674	(2)
1909	29, 714, 132	28, 988, 954	706, 868	1, 827, 760	1, 827, 760	(2)
1914	27, 648, 939	26, 980, 981	575, 557	1, 649, 160	1, 615, 643	29, 022
1919	19, 228, 174	17, 693, 841	1, 534, 333	1, 269, 717	1, 138, 660	131, 057
1921	24, 820, 620	24, 378, 854	441, 766	1, 690, 971	1, 661, 624	29, 347
1923	29, 781, 944	27, 174, 580	2, 607, 364	1, 990, 865	1, 790, 087	200, 778
1924	29, 333, 450	26, 072, 200	3, 261, 250	2, 018, 296	1, 760, 765	257, 531
1925	27, 261, 425	23, 922, 250	3, 339, 175	1, 903, 370	1, 618, 866	284, 504
1926	29, 483, 055	[3] 25, 500, 000	[4] 3, 983, 055	2, 105, 480	[3] 1, 740, 000	[4] 365, 480

Production from crude gum	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1914	1919	1924	1925	1914	1919	1924	1925
Alabama	2, 721, 777	2, 037, 005	1, 837, 200	1, 557, 200	165, 099	120, 839	121, 255	102, 775
Florida	12, 363, 232	6, 992, 489	9, 155, 450	8, 649, 050	733, 772	486, 432	604, 260	570, 837
Georgia	6, 228, 041	3, 997, 310	9, 932, 000	10, 301, 750	347, 931	234, 690	655, 512	679, 915
Mississippi	2, 385, 054	1, 749, 812			154, 115	115, 984		
Louisiana	2, 252, 118	1, 885, 231	4, 697, 550	2, 914, 250	150, 793	112, 900	310, 039	192, 339
Texas	647, 160	906, 404			41, 639	60, 179		
North Carolina and South Carolina	383, 599	125, 590	450, 000	500, 000	22, 294	7, 636	29, 700	33, 000

[1] The figures showing the productions of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar. 31 of the year following. All other figures relate to calendar years.
[2] Not reported.
[3] Estimated: Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.
[4] Compiled by J. E. Lockwood, Hercules Powder Co., and Bureau of Chemistry, Department of Agriculture.

Sources of Tables 671 and 672: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

30.—FISHERIES

No. 673.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NEW ENGLAND STATES

Calendar year	Total		Maine		New Hampshire	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	(1)	12, 503. 0	(1)	2, 742. 6	(1)	170. 6
1887	520, 214	9, 913. 0	131, 380	2, 364. 9	4, 255	99. 5
1888	572, 908	9, 860. 0	132, 930	2, 292. 0	3, 843	90. 0
1889	653, 170	10, 550. 6	129, 560	2, 111. 2	4, 355	88. 5
1898	393, 458	9, 682. 3	123, 405	2, 654. 9	3, 021	49. 0
1902	534, 075	12, 406. 3	242, 390	2, 918. 8	1, 593	50. 0
1905	480, 284	14, 184. 2	124, 724	2, 386. 4	1, 036	51. 9
1908	530, 029	15, 139. 0	173, 843	3, 257. 0	677	53 0
1919	467, 340	19, 838. 7	147, 956	3, 889. 0	529	92. 7
1924	406, 822	18, 818. 1	116, 707	4, 137. 0	447	56. 0

Calendar year	Massachusetts		Rhode Island		Connecticut	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	(1)	7, 959. 8	(1)	696. 8	(1)	933. 2
1887	299, 544	6, 464. 4	45, 285	683. 5	39, 750	300. 7
1888	302, 046	6, 355. 5	91, 687	825. 1	42, 402	297. 3
1889	299, 218	5, 858. 3	127, 365	935. 1	92, 672	1, 557. 5
1898	202, 258	4, 463. 7	32, 854	955. 1	31, 920	1, 559. 6
1902	230, 646	6, 482. 4	21, 614	1, 155. 7	37, 832	1, 799. 4
1905	255, 654	7, 025. 2	23, 896	1, 546. 7	74, 973	3, 173. 9
1908	244, 313	7, 095. 0	44, 254	1, 752. 0	66, 942	2, 982. 0
1919	246, 951	10, 859. 7	48, 251	3, 296. 6	23, 653	1, 700. 6
1924	243, 363	10, 799. 6	20, 535	1, 818. 9	25, 770	2, 006. 7

MIDDLE ATLANTIC STATES

Calendar year	Total		New York		New Jersey		Pennsylvania		Delaware	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	408, 203	8, 489. 1	329, 453	4, 225. 7	65, 151	3, 176. 6	1, 680	89. 1	11, 918	997. 7
1888	273, 909	8, 100. 0	189, 666	3, 347. 9	61, 116	4, 198. 6	12, 901	344. 0	10, 226	209. 6
1890	299, 104	8, 645. 1	192, 471	4, 602. 2	88, 730	3, 447. 4	7, 849	328. 2	10, 054	267. 3
1891	265, 283	8, 914. 9	170, 885	4, 817. 4	79, 116	3, 520. 1	7, 584	322. 0	7, 698	255. 4
1892			(1)	(1)	73, 267	3, 646. 4	6, 325	284. 0	7, 195	250. 9
1897	227, 590	7, 527. 7	109, 556	3, 391. 6	103, 783	3, 614. 4	5, 604	269. 5	8, 648	252. 1
1898			210, 497	3, 545. 2	90, 297	3, 563. 8	(1)	(1)	(1)	(1)
1901	357, 888	9, 104. 7	228, 092	3, 894. 3	117, 931	4, 755. 5	6, 030	251. 5	5, 835	203. 4
1904	375, 412	10, 043. 1	277, 650	6, 230. 6	90, 108	3, 385. 4	2, 046	167. 5	5, 608	259. 6
1908	221, 450	8, 280. 0	71, 474	4, 390. 0	74, 827	3, 069. 0	4, 380	280. 0	70, 769	541. 0
1921	332, 932	11, 667. 4	210, 377	4, 986. 9	96, 937	5, 983. 4	595	44. 6	25, 023	652. 4
1926	168, 012	12, 456. 3	60, 721	5, 128. 7	73, 299	6, 254. 3	735	43. 3	33, 258	1, 030. 0

CHESAPEAKE BAY STATES

Calendar year	Total		Maryland		Virginia	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	254, 587	8, 346. 2	95, 713	5, 221. 7	158, 875	3, 124. 4
1888	216, 107	5, 649. 4	114, 788	3, 813. 2	101, 319	1, 836. 2
1890	329, 188	9, 655. 5	143, 906	6, 019. 2	185, 283	3, 636. 4
1891	325, 172	10, 108. 6	141, 178	6, 460. 8	183, 994	3, 647. 8
1897	366, 582	6, 796. 8	88, 588	3, 617. 3	277, 994	3, 179. 5
1901	461, 159	8, 380. 8	82, 975	3, 767. 5	378, 183	4, 613. 4
1904	436, 445	8, 920. 9	81, 129	3, 336. 6	355, 316	5, 584. 4
1908	426, 311	8, 022. 0	113, 796	3, 306. 0	312, 515	4, 716. 0
1920	530, 750	12, 740. 4	59, 531	4, 198. 7	471, 219	8, 541. 7
1925	333, 206	13, 948. 1	56, 978	4, 863. 4	276, 228	9, 084. 6

[1] Statistics not available.

No. 673.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

SOUTH ATLANTIC STATES

Calendar year	Total		North Carolina		South Carolina		Georgia		Florida (east coast only)	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	42,952	1,256.6	32,249	845.7	6,143	212.5	2,272	120.0	2,287	78.4
1887			45,125	773.0	4,076	157.7	1,883	80.7	(1)	(1)
1888		1,106.9	43,023	776.4	4,181	163.7	1,958	82.9	(1)	173.9
1889	59,051	1,455.6	45,546	950.4	4,879	200.4	2,644	105.7	5,982	199.0
1890	67,202	1,573.7	51,799	1,027.7	4,945	202.6	2,994	123.6	7,464	219.9
1897	80,390	1,833.2	64,234	1,316.0	5,280	210.5	4,993	170.6	5,883	136.1
1902	106,446	2,839.6	67,585	1,739.7	8,174	263.0	11,103	359.1	19,584	477.9
1908	166,875	4,034.0	101,422	1,776.0	14,104	288.0	14,828	701.0	36,521	1,269.0
1918	332,614	5,348.6	210,502	2,978.7	3,747	207.7	37,154	416.0	81,211	1,746.2
1923	228,748	5,086.3	95,192	2,414.5	6,763	284.8	39,896	668.1	86,896	1,719.9

GULF STATES

Calendar year	Total		Florida (west coast only)		Alabama	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	23,561	1,227.5	8,376	564.8	3,542	119.3
1888	54,844	1,993.6	19,597	802.3	1,634	75.6
1889	65,396	2,264.9	23,597	948.8	4,560	146.8
1890	69,076	2,438.7	27,419	1,064.1	4,777	154.9
1897	65,361	2,271.7	28,255	944.8	4,699	134.4
1902	113,697	3,494.2	48,120	1,462.2	9,351	266.7
1908	118,274	4,860.0	37,566	2,120.0	10,665	387.0
1918	130,924	6,510.3	54,754	3,420.4	5,609	230.6
1923	160,324	8,096.7	73,266	4,026.2	7,631	341.6

Calendar year	Mississippi		Louisiana		Texas	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	788	22.5	6,996	392.6	3,859	128.3
1888	7,883	231.7	19,121	612.8	6,609	271.3
1889	8,933	250.9	20,947	621.0	7,358	297.3
1890	8,131	245.7	20,789	660.1	7,959	313.8
1897	7,830	192.3	17,402	713.6	7,175	286.6
1902	23,427	553.2	24,754	858.3	8,044	353.8
1908	17,302	459.0	42,302	1,448.0	10,439	446.0
1918	20,592	762.8	24,954	1,419.4	25,015	677.2
1923	25,032	985.7	34,835	1,961.1	19,560	782.0

PACIFIC COAST STATES

Calendar year	Total		Washington		Oregon		California	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1888	71,883	2,993.1	23,400	890.9	25,169	1,010.8	23,313	1,091.4
1892	123,117	4,827.0	36,757	931.6	28,521	872.4	57,838	3,023.0
1895	147,231	4,470.0	59,080	1,401.4	38,142	1,282.0	50,010	1,786.5
1899	219,338	6,316.2	121,630	2,884.9	23,246	862.9	74,462	2,568.4
1904	168,600	6,680.9	88,955	2,972.6	27,535	1,185.1	52,110	2,523.1
1908	176,150	6,839.0	100,456	3,513.0	28,217	1,356.0	47,477	1,970.0
1915	286,205	9,300.7	158,983	5,317.1	34,708	1,495.5	92,513	2,488.1
1922	282,968	12,983.6	69,470	4,953.9	22,372	1,255.7	191,127	6,774.0
1923	404,949	19,042.1	111,262	7,800.7	32,883	3,504.4	260,805	7,737.1
1924	477,515	20,416.5	93,042	7,487.7	39,578	3,203.6	344,895	9,725.1
1925	624,022	25,510.4	143,714	10,406.3	40,007	3,442.4	440,301	11,661.7
1926	521,286	18,914.7	89,637	7,942.3	32,998	3,068.0	398,651	7,904.3

[1] Statistics not available.

No. 673.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

GREAT LAKES

Calendar year	Total		Lake Superior		Lake Michigan		Lake Huron	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1885	99,842	2,691.9	8,826	291.5	23,518	878.8	11,457	276.4
1890	113,899	2,471.8	6,116	221.0	26,434	830.5	10,056	221.1
1893	96,620	2,270.6	8,097	252.1	30,748	828.6	12,064	306.4
1899	113,727	2,611.4	5,430	150.9	34,500	876.7	12,418	308.1
1903	86,195	2,745.5	13,205	343.7	33,579	1,090.6	14,455	450.3
1908	106,631	3,768.0	10,198	342.0	40,019	1,554.0	12,932	486.0
1917	103,759	6,298.0	15,447	726.7	35,461	2,270.9	13,363	857.5
1922	108,732	6,689.6	10,988	484.3	26,128	2,133.8	13,942	945.3

Calendar year	Lake Erie		Lake Ontario		Lake St. Clair, St. Clair and Detroit Rivers [2]	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1885	51,457	1,109.1	2,398	95.9	2,186	40.2
1890	64,851	1,000.9	3,446	124.8	2,995	73.6
1893	42,968	806.0	928	31.5	1,814	46.0
1899	58,394	1,150.9	2,406	101.0	579	23.9
1903	23,189	780.0	1,245	59.4	522	21.6
1908	41,922	1,280.0	823	74.0	737	32.0
1917	38,300	2,330.2	1,054	100.9	133	11.9
1922	56,338	2,977.1	1,026	131.8	310	17.4

MISSISSIPPI RIVER AND TRIBUTARIES [3]

Calendar year	Total		Arkansas River		Atchafalaya River [4]		Cumberland River		Illinois River [5]	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1894	44,545	1,384.6	593	22.8	4,568	126.6	194	10.0	6,291	174.3
1899	96,797	1,781.0	451	13.2	-------	-------	245	16.7	14,581	336.3
1903	93,374	1,841.2	491	19.8	-------	-------	81	7.6	14,770	286.2
1922	105,734	4,503.5	2,034	136.3	4,579	254.7	728	14.7	12,661	617.3

Calendar year	Mississippi River [6]		Missouri River [5]		Ohio River [6]		Red River [5]		St. Francis River [5]	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1894	21,242	587.8	1,770	74.4	4,509	184.9	1,220	35.3	1,625	40.4
1899	68,604	823.0	1,705	78.5	2,553	140.9	989	28.0	3,821	134.9
1903	53,851	1,157.4	1,498	80.4	1,499	77.1	669	27.4	485	19.1
1922	33,945	1,645.3	1,232	105.2	7,458	379.1	6,677	324.5	3,684	108.9

Calendar year	Tennesesee River [5]		Wabash River [5]		White River (Mo. and Ark.) [5]		Yazoo River	
	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1894	790	42.9	986	57.4	656	25.3	102	2.5
1899	1,256	63.0	345	27.7	1,014	49.7	1,235	19.2
1903	420	22.8	315	14.0	18,857	117.5	436	11.9
1922	4,990	98.3	12,063	357.8	14,662	405.9	1,622	55.6

[2] The decline in the fisheries of these waters is due largely to legal restrictions.
[3] The fishery products of the Mississippi River and tributaries in 1908, as given in the report of the Bureau of the Census, "Fisheries of the United States, 1908," amounted to 148,284,000 pounds, valued at $3,125,000.
[4] Not included with statistics of the Mississippi River and tributaries prior to 1922. Statistics for 1894 were obtained in connection with a canvass of interior waters for that year.
[5] Including tributaries.
[6] Including minor tributaries.

Sources: 1908, Bureau of the Census; other years, Bureau of Fisheries, Department of Commerce.

No. 674.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA

Section	Fishermen	Fishing vessels	Fishing boats	Persons on transporters	Transporting vessels	Products	
						Quantity	Value
	Number	*Number*	*Number*	*Number*	*Number*	*1,000 pounds*	*1,000 dollars*
Total, various years	**118,611**	**4,043**	**77,368**	**4,311**	**1,763**	**2,501,660**	**103,354**
New England States (1924)	15,007	615	10,022	278	162	406,822	18,818
Middle Atlantic States (1926)	9,971	617	4,504	89	63	168,012	12,456
Chesapeake Bay States (1925)	24,793	574	16,895	985	523	333,206	13,948
South Atlantic States (1923)	10,094	177	5,934	180	103	228,748	5,087
Gulf States (1923)	10,576	349	6,809	339	143	160,324	8,097
Pacific Coast States (1926) [1]	18,597	703	7,129	475	172	521,286	18,915
Mississippi River States (1922)	12,310	--------	15,538	30	13	105,734	4,504
Great Lakes States (1922)	6,134	504	3,661	160	102	108,732	6,690
Lake of the Woods and Rainy Lake (1922)	99	--------	95	2	1	1,678	110
Alaska (1927)	11,030	504	6,781	1,773	481	467,117	14,729

[1] Transporters and persons on transporters are for 1922.

Source: Bureau of Fisheries, Department of Commerce.

No. 675.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY AMERICAN FISHING AND COLLECTING VESSELS

Species	Quantity in thousands of pounds				Value in dollars			
	1924	1925	1926	1927	1924	1925	1926	1927
Grand total	**28,233**	**30,394**	**32,418**	**31,515**	**2,719,222**	**2,955,817**	**3,598,741**	**3,260,731**
Landed by fishing vessels, total	**10,066**	**12,997**	**13,372**	**15,733**	**1,329,957**	**1,594,298**	**1,896,677**	**2,009,404**
Halibut	7,363	9,685	10,051	11,795	1,197,229	1,403,167	1,738,015	1,786,815
Sablefish	2,030	2,340	2,083	2,426	110,971	160,499	107,673	159,209
Lingcod	466	692	821	973	14,403	21,343	33,356	40,294
Rockfishes	207	280	399	531	7,354	9,289	16,720	22,636
Sturgeon	--------	--------	18	8	----------	----------	913	450
Landed by collecting vessels, total	**18,167**	**17,398**	**19,047**	**15,782**	**1,389,265**	**1,361,519**	**1,702,064**	**1,251,327**
Sturgeon	23	10	10	9	2,198	1,694	1,852	5,100
Herring	317	589	761	704	2,871	3,965	4,585	4,315
Salmon:								
Humpback or pink	80	96	47	646	2,536	3,508	1,022	29,660
Chum or keta	1,725	1,909	2,099	2,361	64,433	72,790	82,326	101,340
King or spring	8,999	8,338	10,631	7,680	913,561	836,200	1,203,100	776,480
Coho or silver	5,391	4,895	4,106	3,009	299,093	341,890	317,500	241,920
Sockeye or red	118	94	97	94	10,470	9,360	9,650	9,400
Trout, steelhead	89	54	110	117	8,886	4,575	11,040	11,230
Smelt	319	202	160	202	24,622	18,020	16,870	22,560
Perch	70	91	80	76	4,902	6,494	5,046	4,525
Rockfishes	129	96	88	91	8,044	4,840	5,010	6,205
Lingcod	51	106	48	50	1,678	4,852	1,840	1,644
Flounders	96	77	82	71	1,921	1,973	1,632	1,903
Sole	255	297	281	371	9,560	13,170	11,346	14,540
Crabs	506	545	447	301	34,490	38,188	29,245	20,505

Source: Bureau of Fisheries, Department of Commerce.

No. 676.—FISHERIES: Products Landed at Boston and Gloucester, Mass., and Portland, Me., by Fishing Vessels

Port and calendar year	Total, all species	Cod	Haddock	Hake	Pollock	Cusk	Halibut	Mackerel	Miscellaneous
	Quantity in thousands of pounds								
All three ports:									
1915	171,596	45,056	57,944	14,890	13,196	6,331	3,871	10,918	19,390
1918	205,501	71,824	66,672	5,281	26,561	2,658	1,781	10,158	20,566
1919	196,481	65,374	82,716	4,339	18,752	2,063	2,115	5,713	15,408
1920	178,281	62,266	75,279	4,721	8,561	1,855	3,780	7,294	14,516
1921	150,865	53,515	67,413	4,536	6,945	2,098	5,666	3,384	7,308
1922	159,875	55,180	70,196	5,374	5,097	2,247	5,624	4,727	11,430
1923	174,941	62,655	73,762	6,338	4,804	2,998	4,875	11,565	7,945
1924	182,948	61,449	79,902	7,285	5,085	3,406	4,422	9,758	11,643
1925	216,869	67,250	91,886	5,806	5,290	3,713	3,561	26,210	13,153
1926	238,426	78,219	94,061	5,505	6,740	2,728	3,431	36,233	11,511
1927	263,850	63,355	128,593	5,862	7,663	2,727	4,779	31,530	19,341
Boston:									
1923	124,215	38,042	60,543	4,501	3,077	1,540	3,560	6,768	6,184
1924	130,966	36,046	68,142	5,700	2,145	1,861	3,935	6,319	6,820
1925	149,038	36,215	74,281	4,646	2,760	1,899	2,838	18,387	8,013
1926	167,318	41,101	81,863	4,674	3,104	1,432	2,967	23,489	8,688
1927	194,941	40,310	109,860	4,779	3,202	1,680	4,320	20,444	10,346
Gloucester:									
1923	35,030	19,868	7,854	588	1,159	328	108	3,809	1,315
1924	35,846	21,035	5,142	271	2,301	747	11	2,941	3,398
1925	49,472	26,629	9,581	320	1,823	729	111	7,026	3,252
1926	54,901	32,863	6,150	192	2,859	466	15	10,791	1,566
1927	52,552	20,249	11,313	228	3,646	356	43	10,554	6,163
Portland:									
1923	15,697	4,745	5,365	1,248	569	1,131	1,206	988	445
1924	16,136	4,368	6,617	1,314	640	798	476	498	1,425
1925	18,359	4,406	8,024	840	708	1,084	612	797	1,888
1926	16,208	4,254	6,048	639	777	829	449	1,953	1,258
1927	16,357	2,796	7,420	855	815	691	416	532	2,832
	Value in dollars								
All three ports:									
1915	4,737,917	1,272,960	1,307,813	282,477	253,258	98,350	323,296	614,079	585,684
1918	10,531,548	3,617,205	3,199,276	273,085	962,085	103,031	302,280	1,188,924	885,662
1919	7,548,383	2,583,181	2,793,938	181,053	380,515	62,169	387,191	547,242	613,094
1920	8,227,013	2,037,637	2,740,052	153,876	262,128	48,070	741,821	763,094	880,335
1921	5,722,629	1,730,767	2,046,170	109,603	164,642	37,829	803,074	335,626	494,918
1922	5,465,932	1,635,279	1,809,400	111,331	118,006	34,552	784,057	276,499	696,808
1923	7,051,154	2,184,141	2,423,177	142,367	152,189	61,728	922,654	487,637	677,261
1924	6,992,952	2,138,306	2,308,605	186,101	159,438	68,114	789,609	541,784	800,995
1925	8,115,570	2,321,238	2,747,741	173,666	147,582	84,597	655,172	1,191,152	794,422
1926	9,057,674	2,647,479	3,082,924	146,242	153,685	69,583	671,150	1,406,485	880,126
1927	9,404,511	2,146,503	3,531,713	156,545	171,849	71,374	839,945	1,295,547	1,191,035
Boston:									
1923	5,433,731	1,446,683	2,142,882	98,087	104,125	32,098	679,259	329,208	601,389
1924	5,401,590	1,399,161	2,037,661	148,491	84,287	38,443	711,946	347,916	633,685
1925	6,104,278	1,436,774	2,378,410	145,885	91,363	47,184	535,435	858,972	610,255
1926	7,002,602	1,615,936	2,828,289	125,457	85,773	38,657	584,702	973,105	750,683
1927	7,371,542	1,458,930	3,149,069	131,285	86,112	44,905	764,079	863,185	873,977
Gloucester:									
1923	910,739	569,421	100,003	9,031	36,156	4,288	22,221	124,258	45,361
1924	1,041,476	584,651	89,702	5,144	60,854	12,318	1,012	171,487	116,308
1925	1,390,580	747,742	147,759	5,198	42,924	10,812	11,331	305,195	119,619
1926	1,479,312	897,518	83,499	2,833	54,293	6,490	3,178	374,268	56,873
1927	1,493,935	574,540	187,989	3,283	72,258	4,906	3,492	416,970	230,497
Portland:									
1923	706,684	168,037	180,292	35,249	11,908	25,342	221,174	34,171	30,511
1924	549,886	154,494	181,242	32,466	14,297	17,353	76,651	22,381	51,002
1925	620,712	136,722	221,572	22,583	13,295	26,601	108,406	26,985	64,548
1926	575,760	134,025	171,136	17,952	13,619	24,436	82,910	59,112	72,570
1927	539,034	113,033	194,655	21,977	13,479	21,563	72,374	15,392	86,561

Source: Bureau of Fisheries, Department of Commerce.

No. 677.—VALUE OF CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA

[NOTE.—Values in thousands of dollars. See also census statistics of fish canning, Tables 000 and 000]

Product	1921	1922	1923	1924	1925	1926	1927
Total value	54,987	71,842	85,151	82,458	95,177	98,326	94,072
Salmon	28,867	38,421	45,534	42,402	47,370	56,219	45,729
California sardines	2,346	3,361	4,608	5,446	6,381	7,807	9,269
Maine and Massachusetts sardines	3,961	5,750	5,289	7,191	6,717	6,727	5,249
Tuna and tunalike fishes	3,086	4,373	6,915	5,757	8,499	5,282	8,368
Shrimps and crabs	3,921	3,168	4,429	4,645	3,835	4,147	5,348
Clams	1,167	1,716	1,711	2,161	1,850	2,005	2,745
Oysters	2,179	2,424	2,720	2,478	3,721	2,027	2,368
Miscellaneous canned products	1,039	1,180	1,119	2,085	2,204	1,978	2,308
Menhaden—meal, scrap, and oil	4,006	6,127	6,411	3,310	5,623	3,442	3,690
Miscellaneous by-products	4,415	5,322	6,415	6,983	8,978	8,691	8,998

Source: Bureau of Fisheries, Department of Commerce.

No. 678.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[All figures expressed in thousands and tenths of thousands; thus, 5,234.9=5,234,900]

Species	Quantity in thousands of 48-pound cases					Value in thousands of dollars				
	Grand total	United States			Alaska	Grand total	United States			Alaska
		Total	Washington	Oregon and California			Total	Washington	Oregon and California	
Total, all species:										
1922	5,234.9	733.2	441.7	291.6	4,501.7	38,420.7	8,633.5	4,823.1	3,810.5	29,787.2
1923	6,403.0	1,367.3	975.8	391.5	5,035.7	45,533.6	12,660.6	7,533.4	5,127.1	32,873.0
1924	6,253.6	958.7	542.0	416.7	5,294.9	42,401.6	9,394.5	5,062.1	4,332.4	33,007.1
1925	6,018.6	1,558.6	1,132.5	426.2	4,459.9	47,369.5	15,380.0	10,079.5	5,300.4	31,989.5
1926	7,488.6	835.7	489.6	346.2	6,652.9	56,219.3	10,139.3	5,428.3	4,711.0	46,080.0
1927	5,076.6	1,504.5	1,091.0	413.5	3,572.1	45,728.8	15,712.5	10,158.2	5,554.3	30,016.3
Coho or silver:										
1924	414.7	231.1	117.7	113.4	183.6	3,028.6	1,774.1	906.4	867.7	1,254.6
1925	468.6	307.6	203.9	103.6	161.0	4,878.8	3,313.1	2,240.0	1,073.1	1,565.8
1926	430.7	228.1	152.6	75.5	202.5	3,924.1	2,223.5	1,450.8	772.7	1,700.6
1927	463.6	210.5	136.7	73.8	253.1	4,366.7	2,212.7	1,390.2	822.5	2,154.0
Chum or keta:										
1924	1,276.3	247.9	189.0	58.9	1,028.5	6,004.5	1,192.2	898.0	294.1	4,812.3
1925	1,212.0	133.4	97.2	36.2	1,078.7	5,478.3	641.3	464.5	176.8	4,787.0
1926	1,051.2	148.7	133.2	15.6	902.4	5,277.8	758.8	678.0	80.9	4,518.9
1927	653.1	145.4	88.7	56.7	507.7	3,629.6	852.1	524.3	327.8	2,777.5
Humpback or pink:										
1924	2,614.1	12.8	8.8	4.0	2,601.3	12,916.8	79.4	57.6	21.8	12,837.3
1925	2,662.0	551.4	547.5	3.9	2,110.6	14,289.4	3,152.3	3,131.0	21.3	11,137.1
1926	3,341.0	2.6	2.6	-------	3,338.3	18,007.1	19.6	19.6	-------	17,987.5
1927	2,007.4	586.6	586.6	-------	1,420.8	12,204.5	3,865.8	3,865.8	-------	8,338.7
King, Chinook, or spring:										
1924	382.7	349.0	134.6	214.4	33.6	4,898.8	4,599.8	1,723.0	2,876.8	299.0
1925	482.6	432.6	168.2	264.4	50.0	6,585.1	5,990.0	2,233.4	3,756.6	595.0
1926	402.1	349.6	131.0	218.6	52.5	5,825.7	5,281.4	1,973.7	3,307.7	544.2
1927	475.7	405.3	151.1	254.2	70.4	6,984.0	6,192.4	2,185.3	4,007.1	791.6
Red or sockeye:										
1924	1,533.7	85.8	80.6	5.2	1,447.9	15,282.6	1,478.7	1,384.8	93.9	13,803.9
1925	1,178.1	118.4	114.3	4.1	1,059.7	15,970.6	2,066.0	1,990.0	75.9	13,904.6
1926	2,232.8	75.7	62.8	12.9	2,157.1	22,803.5	1,474.7	1,216.6	258.1	21,328.7
1927	1,444.0	123.8	119.8	4.0	1,320.2	18,124.9	2,170.4	2,089.5	80.9	15,954.5
Steelhead:										
1924	32.1	32.1	11.3	20.8	-------	270.3	270.3	92.3	178.1	-------
1925	15.3	15.3	1.3	14.0	-------	217.3	217.3	20.5	196.7	-------
1926	30.9	30.9	7.4	22.6	-------	381.2	381.2	89.6	291.6	-------
1927	32.8	32.8	8.1	24.7	-------	419.1	419.1	103.2	315.9	-------

Source: Bureau of Fisheries, Department of Commerce.

No. 679.—CANNED SALMON: Output and Prices of Alaska Product

Yearly average or year	Total value of pack (dollars)	Output, equivalent in cases of forty-eight 1-pound cans					
		Total	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1910-1914	14,884,736	3,422,615	129,427	439,485	1,040,371	42,304	1,771,028
1915	18,653,015	4,500,293	124,268	479,946	1,875,516	88,251	1,932,312
1916	23,269,429	4,900,627	261,909	724,115	1,737,793	65,873	2,110,937
1917	46,304,090	5,947,286	193,231	906,747	2,296,976	61,951	2,488,381
1918	51,041,949	6,605,835	218,958	1,364,960	2,438,954	49,226	2,533,737
1919	43,265,349	4,583,688	232,870	1,365,563	1,611,608	95,986	1,277,661
1920	35,602,800	4,429,463	192,085	1,033,517	1,593,120	110,003	1,500,738
1921	19,632,744	2,596,826	106,555	255,495	423,984	44,994	1,765,798
1922	29,787,193	4,501,652	175,993	565,918	1,658,423	30,660	2,070,658
1923	32,873,007	5,035,097	164,107	525,622	2,448,129	38,343	1,859,496
1924	33,007,135	5,294,915	183,601	1,028,488	2,601,283	33,648	1,447,895
1925	31,989,531	4,459,937	161,010	1,078,680	2,110,593	49,978	1,059,676
1926	46,080,004	6,652,882	202,527	902,443	3,338,349	52,476	2,157,087
1927	30,016,264	3,572,128	253,044	507,723	1,420,775	70,391	1,320,195

AVERAGE ANNUAL PRICE IN DOLLARS PER CASE OF FORTY-EIGHT 1-POUND CANS

Yearly average or year	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye	Year	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1910-1914	4.55	2.94	3.14	5.25	5.44	1921	5.63	3.68	4.21	10.22	8.96
						1922	5.47	3.98	4.34	8.08	9.24
1915	4.31	2.59	2.78	4.63	5.82	1923	5.74	4.65	4.86	8.56	9.24
1916	5.34	3.34	3.64	5.36	6.04	1924	6.83	4.68	4.93	8.89	9.53
1917	8.76	6.14	6.44	10.40	9.48	1925	9.72	4.44	5.28	11.91	13.12
1918	9.15	6.27	6.58	9.85	9.44	1926	8.40	5.01	5.39	10.37	9.89
1919	11.27	6.82	8.35	13.13	12.98	1927	8.51	5.47	5.87	11.25	12.08
1920	9.13	4.19	5.47	10.97	13.05						

Source: Bureau of Fisheries, Department of Commerce.

No. 680.—ALASKA FISHERY INDUSTRIES: Summary of Products

Product	Quantity in thousands of unit specified						Value in thousands of dollars				
	Unit	1915	1920	1925	1926	1927	1915	1920	1925	1926	1927
Total							21,006	41,492	40,039	54,670	40,163
Salmon:											
Canned	Case	4,500	4,429	4,460	6,653	3,572	18,653	35,603	31,990	46,080	30,016
Fresh and frozen	Pound	3,137	5,165	5,193	6,044	5,411	219	424	395	578	522
Cured, all forms	do	4,929	3,067	6,895	8,060	8,895	341	510	1,297	1,461	1,782
By-products	do	1,922	2,071	1,738	1,875	1,176	40	105	60	60	41
Halibut, fresh and frozen.	do	15,718	15,295	10,972	14,390	34,491	812	1,727	884	1,623	3,805
Herring:											
Cured for food	do	7,195	8,582	35,171	15,803	14,762	114	542	2,323	1,562	1,465
Bait	do		4,085	7,087	2,235	8,042		41	39	25	84
By-products	do	2,213	11,186	34,806	44,951	29,735	41	720	1,490	1,968	1,302
Cod	do	14,196	12,764	2,854	1,333	1,292	390	1,117	129	78	58
Sable fish	do	143	584	1,043	682	1,339	4	29	45	31	73
Trout	do	42	99	53	85	58	3	14	6	10	7
Other fish	do	106	11	89	43	47	7		4	3	2
Shrimps	do		112	520	490	492		49	207	196	197
Crabs	do	14	8	206	201	119	1	2	53	62	40
Clams	do		222	2,066	985	635		47	492	254	147
Whales:											
Oil	do	7,337	8,317	7,224	7,553	8,373	333	436	556	603	548
Fertilizer	do	2,990	3,190	2,444	2,820	3,026	48	120	57	70	71
All other	do		18	797	122	77		6	12	6	3

Source: Bureau of Fisheries, Department of Commerce.

No. 681.—FISH PROPAGATION: Summary of Output of Fish Eggs, Fry, and Fingerlings, by United States Bureau of Fisheries

[All quantities expressed in thousands]

Year ended June 30—	Total	Eggs	Fry	Fingerlings	Cost per million [1]
1895	619, 916	55, 408	561, 894	2, 613	$292. 64
1900	1, 164, 337	88, 682	1, 070, 757	4, 898	250. 00
1915	4, 288, 758	536, 260	3, 694, 282	58, 216	131. 55
1917	5, 158, 963	318, 939	4, 757, 909	82, 115	114. 46
1918	4, 098, 105	147, 048	3, 782, 092	168, 965	147. 98
1919	5, 876, 985	1, 177, 871	4, 547, 340	151, 774	106. 67
1920	4, 770, 356	630, 749	3, 872, 218	267, 388	130. 11
1921	4, 962, 489	1, 109, 637	3, 626, 263	226, 590	128. 06
1922	5, 125, 101	1, 068, 981	3, 716, 688	339, 432	120. 36
					143. 30
1923	4, 314, 850	1, 463, 730	2, 586, 812	264, 316	
1924	5, 361, 811	1, 237, 582	3, 863, 848	260, 381	115. 25
1925	5, 301, 862	1, 050, 393	4, 114, 514	136, 954	135. 61
1926	5, 232, 240	737, 135	4, 195, 939	299, 166	142. 50
1927	6, 481, 073	1, 523, 458	4, 767, 113	190, 502	116. 30

Species	Year ended June 30, 1926				Year ended June 30, 1927			
	Total	Eggs	Fry	Fingerlings	Total	Eggs	Fry	Fingerlings
Total	**5, 232, 240**	**737, 135**	**4, 195, 939**	**299, 166**	**6, 481, 073**	**1, 523, 458**	**4, 767, 113**	**190, 502**
Catfish	32, 364		1, 400	30, 964	27, 101			27, 101
Carp	94, 849		54, 500	40, 349	35, 765		18, 500	17, 265
Buffalo fish	*116, 573*		*105, 315*	*11, 258*	*8, 970*		*2, 850*	*6, 120*
Shad	9, 143		9, 143		21, 579		21, 579	
Glut herring	55, 000		55, 000		2, 000		2, 000	
Whitefish	208, 344	8, 320	200, 024		153, 147	7, 087	146, 060	
Cisco	95, 080	10, 080	85, 000		113, 240	5, 200	108, 040	
Silver salmon	9, 901	211	4, 556	5, 134	6, 947	148	5, 154	1, 645
Chinook salmon	62, 921	11, 284	800	50, 837	40, 463	9, 112	266	31, 085
Sockeye salmon	74, 626	150	9, 795	64, 681	49, 074	125	12, 030	36, 919
Chum salmon	18, 163		18, 163		17, 964		17, 964	
Humpback salmon	1, 843		1, 753	90	3, 574		3, 544	30
Steelhead salmon	6, 487	1, 134	1, 029	4, 324	2, 191	1, 240		951
Atlantic salmon	1, 001	100	776	125	1, 429	200		1, 229
Landlocked salmon	1, 086	384	432	270	890	194	55	641
Rainbow trout	7, 989	2, 827	1, 541	3, 621	10, 030	4, 473	539	5, 018
Black-spotted trout	14, 259	8, 918	1, 473	3, 868	14, 720	6, 968		7, 752
Loch Leven trout	7, 497	3, 894	616	2, 987	9, 525	5, 958	158	3, 409
Lake trout	31, 816	1, 590	29, 957	269	27, 463	1, 564	24, 976	923
Brook trout	14, 762	874	2, 951	10, 937	14, 558	1, 305	2, 609	10, 644
Silver trout	232			232				
Grayling	4, 824		4, 824		1, 800		1, 800	
Smelt					15, 300	11, 125	4, 175	
Pike and pickerel	466			466	362			362
Fresh-water drum	130			130	28			28
Crappie	26, 741			26, 741	17, 516			17, 516
Large-mouth black bass	2, 313		919	1, 394	2, 164		904	1, 260
Small-mouth black bass	971		810	161	927		688	239
Sunfish	27, 746			27, 746	15, 145			15, 145
Pike perch	213, 732	82, 745	130, 960	27	182, 610	48, 100	134, 510	
Yellow perch	132, 705	7, 500	122, 501	2, 704	207, 005	12, 000	193, 753	1, 252
Cod	*983, 967*	*429, 338*	*554, 629*		*1, 314, 982*	*1, 049, 668*	*265, 314*	
Pollock	428, 788		428, 788		638, 749		638, 749	
Mackerel	2, 067		2, 067					
Haddock	145, 946	114, 051	31, 895		379, 281	315, 387	63, 894	
Winter flounder	2, 388, 057	53, 735	2, 334, 322		3, 140, 366	43, 604	3, 096, 762	
Miscellaneous fishes	9, 851			9, 851	4, 208		240	3, 968

[1] Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Source: Reports of the Bureau of Fisheries, Department of Commerce.

31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, and Porto Rico. Index numbers of mineral production are shown in Table 760, p. 785]

No. 682.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

[NOTE.—All figures in millions of dollars. See Table 690 for method of computation]

Yearly average or year	Total	Metallic	Nonmetallic	Unspecified	Year	Total	Metallic	Nonmetallic	Unspecified
1881-1885	426	191	229	6	1910	1,988	750	1,238	(1)
1886-1890	541	248	292	1	1911	1,924	681	1,243	(1)
1891-1895	592	244	347	1	1912	2,238	862	1,375	(1)
1896-1900	828	366	461	1	1913	2,434	879	1,554	(1)
1901-1905	1,392	578	813	1	1914	2,111	687	1,424	(1)
1906-1910	1,887	769	1,118	(1)	1915	2,395	992	1,400	2
1911-1915	2,220	820	1,399	1	1916	3,508	1,621	1,884	3
1916-1920	5,124	1,796	3,322	5	1917	4,992	2,086	2,900	6
1921-1925	5,155	1,153	3,998	5	1918	5,541	2,153	3,381	7
1901	1,155	493	661	1	1919	4,596	1,360	3,233	3
1902	1,329	605	722	1	1920	6,981	1,762	5,214	5
1903	1,495	589	906	1	1921	4,139	654	3,482	3
1904	1,359	501	858	(1)	1922	4,647	987	3,656	4
1905	1,624	703	921	(1)	1923	5,987	1,511	4,472	4
1906	1,901	886	1,015	(1)	1924	5,306	1,232	4,068	6
1907	2,070	904	1,165	(1)	1925	5,678	1,380	4,291	6
1908	1,592	551	1,041	(1)	1926	6,213	1,403	4,802	8
1909	1,887	755	1,132	(1)	1927	5,520	1,217	4,294	9

[1] Less than $500,000.

Source: Bureau of Mines, Department of Commerce.

No. 683.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin [1] (New York)	Zinc (New York)	Zinc (St. Louis)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1896-1900	[2] 13.41	3.84	19.54	4.55	----------	8.204	42.17	[3] 16.66
1901	16.11	4.33	26.74	4.07	----------	8.250	47.00	20.00
1902	11.626	4.069	26.79	4.84	----------	6.120	48.03	19.00
1903	13.235	4.237	28.09	5.40	5.191	6.000	41.32	18.91
1904	12.823	4.309	27.99	5.100	4.931	6.371	41.00	19.50
1905	15.590	4.707	31.358	5.882	5.730	10.250	38.50	20.34
1906	19.278	5.657	39.819	6.198	6.048	21.730	40.90	28.04
1907	20.004	5.325	38.166	5.962	5.812	14.840	41.50	30.98
1908	13.208	4.200	29.465	4.726	4.578	8.004	44.84	16.32
1909	12.982	4.273	29.725	5.503	5.352	7.466	46.30	24.87
1910	12.738	4.446	34.123	5.520	5.370	7.386	47.06	32.70
1911	12.376	4.420	42.281	5.758	5.608	7.540	46.54	43.12
1912	16.341	4.471	46.096	6.943	6.799	7.760	42.46	45.55
1913	15.269	4.370	44.252	5.648	5.504	7.520	39.54	44.88
1914	13.602	3.862	34.301	5.213	5.061	8.763	48.31	45.14
1915	17.275	4.673	38.590	13.230	13.054	30.280	87.01	47.13
1916	27.202	6.858	43.480	12.804	12.634	25.370	125.49	83.40
1917	27.180	8.787	61.802	8.901	8.730	20.690	106.30	102.82
1918	[4] 24.628	7.413	(5)	8.159	7.890	12.581	123.47	105.95
1919	18.691	5.759	63.328	7.338	6.988	8.190	92.15	114.61
1920	17.456	7.957	48.273	(5)	7.671	8.485	81.12	110.90
1921	12.502	4.545	28.576	(5)	4.655	4.957	45.46	75.03
1922	13.382	5.734	31.831	(5)	5.716	5.471	58.94	97.61
1923	14.421	7.267	41.799	(5)	6.607	7.897	66.50	116.53
1924	13.024	8.097	49.674	(5)	6.344	10.836	69.76	118.81
1925	14.042	9.020	56.790	(5)	7.622	17.494	83.13	119.09
1926	13.795	8,417	63.615	(5)	7.337	15.988	91.90	113.27
1927	12.920	6.759	62.747	(5)	6.242	12.393	118.18	84.64

[1] 99 per cent tin. [2] Prices 1895 to 1898 are for Lake copper. [3] Average for 1899 and 1900 only.
[4] Average of 11 months, no quotations being made in December [5] No average computed.

Source: Review Number and Year Book, Engineering and Mining Journal-Press.

No. 684.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING: PRINCIPAL STATISTICS, 1919

	Total	Continental United States	Alaska	Hawaii	Porto Rico
Number of enterprises	22, 361	21, 997	346	5	13
Number of mines and quarries	14, 802	14, 417	367	5	13
Number of petroleum and natural gas wells	257, 681	257, 673	8		
Number of natural-gas gasoline plants	1, 115	1, 115			
Persons engaged, total	1, 088, 444	1, 084, 796	3, 267	155	226
Proprietors and firm members, total	22, 769	22, 155	593	4	17
Salaried employees	75, 688	75, 457	199	6	26
Wage earners (average number)	989, 987	987, 184	2, 475	145	183
Power used (aggregate horsepower)	6, 816, 814	6, 786, 475	29, 979	325	35
Capital	$7, 225, 446, 992	$7, 108, 623, 496	$116, 626, 441	$112, 882	$84, 173
Principal expenses	2, 556, 682, 424	2, 545, 925, 350	10, 493, 020	171, 850	92, 204
Salaries	151, 820, 643	151, 272, 461	533, 076	5, 533	9, 583
Wages	1, 309, 565, 597	1, 304, 409, 342	5, 010, 611	89, 365	56, 279
Supplies and materials	531, 688, 470	528, 853, 639	2, 789, 755	34, 423	10, 653
Cost of ore, coal, and natural gas purchased as material or for resale	35, 905, 352	35, 905, 352			
Fuel and purchased power	124, 610, 053	123, 509, 588	1, 080, 348	14, 560	5, 557
Royalties and rents	176, 478, 995	176, 129, 858	314, 066	26, 282	8, 789
Taxes	141, 878, 154	141, 567, 734	307, 390	1, 687	1, 343
Contract work	82, 696, 872	82, 239, 098	457, 774		
Value of products	3, 174, 507, 462	3, 158, 463, 966	15, 634, 801	250, 538	158, 157

Source: Bureau of the Census, Department of Commerce.

No. 685.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS

	Continental United States				
	1889	1902	1909	1919	Per cent of increase[1] 1909–1919
Number of enterprises	(2)	46, 858	21, 268	21, 280	0. 1
Number of mines and quarries	22, 084	17, 039	18, 164	13, 844	−23. 8
Number of petroleum and natural-gas wells	37, 410	123, 200	166, 320	257, 673	54. 9
Number of natural-gas gasoline plants				1, 115	
Persons engaged			1, 041, 682	1, 077, 675	3. 5
Proprietors and firm members, total	(2)	(2)	29, 922	21, 918	−26. 7
Number performing manual labor	(2)	(2)	8, 861	5, 245	−40. 8
Salaried employees	6, 541	38, 128	44, 127	74, 197	68. 1
Wage earners (average number)	536, 043	581, 728	967, 633	981, 560	1. 4
Wage earners, Dec. 15, or nearest representative day, total	[3] 536, 043	[3] 581, 728	1, 065, 283	1, 088, 189	2. 2
Above ground	244, 127	221, 505	366, 962	382, 766	4. 3
Below ground	291, 916	360, 223	698, 321	705, 423	1. 0
Power used (aggregate horsepower)	(4)	2, 867, 562	4, 608, 253	6, 723, 786	45. 9
Capital	$1, 310, 535, 318	(2)	$3, 380, 525, 841	$6, 955, 466, 831	105. 8
Principal expenses:					
Salaries	5, 520, 600	$39, 020, 552	53, 393, 551	149, 328, 985	179. 7
Wages	222, 041, 887	369, 959, 960	586, 774, 079	1, 295, 936, 226	103. 8
Supplies and materials	86, 075, 925	[5] 123, 814, 967	173, 411, 438	519, 593, 676	199. 6
Cost of ore, coal, and natural gas purchased as material or for resale			29, 318, 316	35, 905, 352	22. 5
Fuel and purchased power	(4)	(4)	45, 136, 550	122, 105, 930	170. 5
Royalties and rents	(4)	34, 530, 713	63, 973, 585	175, 293, 984	174. 0
Taxes	(4)	(4)	17, 796, 763	140, 999, 626	692. 3
Contract work	(4)	20, 677, 938	28, 887, 898	79, 380, 177	174. 8
Value of products	438, 111, 548	796, 826, 417	1, 238, 410, 322	3, 158, 463, 966	155. 0

[1] A minus sign (−) denotes decrease.
[2] Not reported.
[3] Average number.
[4] Comparable figures not available.
[5] Includes cost of fuel.

Source: Bureau of the Census, Department of Commerce.

No. 686.—SIZE OF PRODUCING ESTABLISHMENTS, MINES AND QUARRIES: By Value of Products and by Number of Wage Earners, 1919

Industry and value of products per enterprise	Number	Value of products		Industry and wage earners per enterprise	Enterprises		Wage earners	
		Amount	Per cent		Number	Per cent	Average number	Per cent
All industries	**21,280**	**$3,158,463,966**	**100.0**	**All industries**	**21,280**	**100.0**	**981,560**	**100.0**
Less than $5,000	6,586	15,228,604	0.5	No wage earners	3,722	17.5		
$5,000 to $20,000	5,539	58,745,473	1.9	1 to 5	7,912	37.2	16,761	1.7
$20,000 to $100,000	4,990	237,600,990	7.5	6 to 20	3,948	18.6	44,506	4.5
$100,000 to $500,000	3,005	686,788,422	21.7	21 to 50	2,309	10.9	76,040	7.7
$500,000 to $1,000,000	684	472,131,636	14.9	51 to 100	1,372	6.4	98,621	10.0
$1,000,000 to $5,000,000	392	754,160,595	23.9	101 to 500	1,743	8.2	377,339	38.4
$5,000,000 and over	84	933,808,246	29.6	501 to 1,000	182	0.9	125,278	12.8
				Over 1,000	92	0.4	243,015	24.8
Anthracite coal	**254**	**364,084,142**	**100.0**	**Anthracite coal**	**254**	**100.0**	**147,372**	**100.0**
Less than $5,000	37	89,977	(1)	No wage earners	2	0.8		
$5,000 to $20,000	38	440,045	0.1	1 to 5	62	24.4	139	0.1
$20,000 to $100,000	43	1,843,631	0.5	6 to 20	39	15.4	469	0.3
$100,000 to $500,000	39	10,076,964	2.8	21 to 50	20	7.9	629	0.4
$500,000 to $1,000,000	32	24,276,649	6.7	51 to 100	13	5.1	981	0.7
$1,000,000 to $5,000,000	48	83,086,309	22.8	101 to 500	63	24.8	18,240	12.4
$5,000,000 and over	17	244,270,547	67.1	501 to 1,000	33	13.0	21,804	14.8
				Over 1,000	22	8.7	105,110	71.3
Bituminous coal	**6,636**	**1,145,977,565**	**100.0**	**Bituminous coal**	**6,636**	**100.0**	**545,798**	**100.0**
Less than $5,000	818	2,711,023	0.2	No wage earners	62	0.9		
$5,000 to $20,000	1,618	17,614,491	1.5	1 to 5	1,512	22.8	4,337	0.8
$20,000 to $100,000	2,006	100,379,635	8.8	6 to 20	1,549	23.3	18,074	3.3
$100,000 to $500,000	1,651	386,075,398	33.7	21 to 50	1,238	18.7	41,009	7.5
$500,000 to $1,000,000	377	257,196,333	22.4	51 to 100	888	13.4	64,355	11.8
$1,000,000 to $5,000,000	156	289,392,384	25.3	101 to 500	1,241	18.7	259,288	47.5
$5,000,000 and over	10	92,608,301	8.1	501 to 1,000	101	1.5	68,737	12.6
				Over 1,000	45	0.7	89,998	16.5
Petroleum and natural gas.	**9,814**	**931,793,423**	**100.0**	**Petroleum and natural gas.**	**9,814**	**100.0**	**93,205**	**100.0**
Less than $5,000	4,348	9,531,235	1.0	No wage earners	3,292	33.5		
$5,000 to $20,000	2,797	28,919,564	3.1	1 to 5	4,925	50.2	8,852	9.5
$20,000 to $100,000	1,696	75,785,417	8.1	6 to 20	1,034	10.5	11,036	11.8
$100,000 to $500,000	684	150,748,376	16.2	21 to 50	296	3.0	9,874	10.6
$500,000 to $1,000,000	156	109,951,280	11.8	51 to 100	133	1.4	9,592	10.3
$1,000,000 to $5,000,000	96	204,187,367	21.9	101 to 500	102	1.0	21,978	23.6
$5,000,000 and over	37	352,670,184	37.8	501 to 1,000	24	0.2	17,358	18.6
				Over 1,000	8	0.1	14,515	15.6
Iron ore	**290**	**218,217,905**	**100.0**	**Iron ore**	**290**	**100.0**	**45,741**	**100.0**
Less than $5,000	15	36,040	(1)	No wage earners	5	1.7		
$5,000 to $20,000	29	392,775	0.2	1 to 5	21	7.2	63	0.1
$20,000 to $100,000	69	3,774,321	1.7	6 to 20	43	14.8	574	1.3
$100,000 to $500,000	98	26,543,784	12.1	21 to 50	57	19.7	2,180	4.8
$500,000 to $1,000,000	41	28,239,920	12.9	51 to 100	54	18.6	3,822	8.4
$1,000,000 to $5,000,000	35	63,674,560	29.2	101 to 500	102	35.2	31,052	67.8
$5,000,000 and over	3	95,646,505	43.8	501 to 1,000	7	2.4	5,535	12.1
				Over 1,000	1	0.3	2,535	5.5

[1] Less than one-tenth of 1 per cent.

No. 687.—HOURS OF LABOR IN MINES AND QUARRIES, 1919

Industry	Total wage earners	Wage earners in mines where the prevailing hours of labor per week were—					
		35 and under	36 to 43	44 to 53	54 to 62	63 to 71	72 to 84
All industries	**981,560**	**17,755**	**19,856**	**721,899**	**182,126**	**26,841**	**13,083**
Coal:							
Anthracite	147,372		315	145,787	307	442	21
Bituminous	545,798	15,978	17,163	485,574	25,222	1,841	20
Petroleum and natural gas	93,205	1,295	327	13,227	44,068	21,726	12,562
Iron ore	45,741	11	219	20,311	24,637	563	
Copper	43,717		7	21,150	21,166	1,394	
Limestone	22,069	57	24	3,774	17,934	230	
Lead and zinc	21,884	115		15,082	6,684		3
Gold and silver; lode mines	15,436		3	3,595	11,586	251	1
Gold, placer mines	1,380			62	1,243	72	3
Granite	8,049	43	1,195	4,829	1,948	34	
Clay	5,453	27	33	2,351	3,033	4	5
Phosphate rock	4,373	5	30	309	3,683		346
Sandstone	4,287		8	483	3,688	108	
Slate	3,513		335	963	2,170	45	
Basalt	3,336	20	3	728	2,585		
Gypsum	2,191		1	830	1,317	43	
Marble	1,732			50	1,667	15	
Sulphur	1,129				1,129		
All other	10,895	204	193	2,794	7,559	23	122

Source of Tables 686 and 687: Bureau of the Census, Department of Commerce.

No. 688.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES

Industry	Number of enterprises [1]		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
All industries [2]	19,915	21,280	967,633	981,560	4,608,253	6,723,786	586,774	1,295,936	1,238,410	3,158,464
FUELS										
Coal:										
Anthracite	192	254	169,367	147,372	676,753	899,783	92,318	210,289	149,180	364,084
Bituminous	3,503	6,636	511,723	545,798	1,227,401	2,155,412	294,196	682,601	427,962	1,145,978
Petroleum and natural gas	7,793	9,814	36,744	93,205	1,221,969	1,821,342	27,092	134,521	185,417	931,793
METALS										
Iron ore	176	290	47,246	45,741	346,534	370,869	29,731	75,713	106,947	218,218
Copper	161	195	51,643	43,717	376,464	523,591	49,383	66,390	134,617	181,258
Gold and silver:										
Lode mines	1,604	740	29,428	15,436	200,966	149,680	30,868	23,818	83,886	58,832
Placer mines	678	112	3,084	1,380	27,278	35,632	2,670	1,914	10,237	9,369
Lead and zinc	977	432	16,807	21,884	110,559	229,541	10,478	30,708	31,363	75,579
Manganese	5	35	60	909	215	5,800	12	1,086	31	2,188
Quicksilver	12	26	544	748	784	2,607	408	828	868	1,803
Rare metals	26	22	531	633	3,237	3,544	(3)	748	9,688	1,726
STONE										
Limestone	1,665	895	30,289	22,069	125,024	213,717	14,082	23,926	29,832	52,944
Granite	707	358	18,744	8,049	61,095	55,674	11,112	8,588	18,998	18,279
Sandstone	1,158	255	9,812	4,287	36,556	33,869	4,761	4,449	9,291	10,685
Basalt	196	163	5,256	3,336	29,211	37,307	2,539	3,991	5,578	9,658
Slate	185	101	8,803	3,513	29,777	20,613	4,089	3,128	6,054	5,721
Marble	77	48	6,166	1,732	21,779	15,628	3,079	1,452	6,239	4,398
MISCELLANEOUS										
Abrasive materials	49	34	403	317	1,344	1,748	(3)	322	----------	722
Asbestos	5	10	54	146	380	420	31	92	65	250
Asphalt	12	9	205	324	828	648	129	295	466	750
Barytes	23	89	240	919	262	3,029	90	769	225	1,592
Bauxite	10	10	563	738	1,565	2,507	198	942	671	2,190
Clay	261	345	3,262	5,453	8,868	21,243	1,362	5,367	2,946	10,086
Feldspar	22	30	247	349	993	1,782	107	264	271	584
Fluorspar	13	54	290	1,124	1,179	7,138	168	1,196	289	3,335
Fuller's earth	16	9	327	824	1,739	2,538	119	541	316	2,019
Graphite	19	21	294	419	2,647	6,410	160	342	344	869
Gypsum	78	47	3,462	2,191	17,685	15,032	1,821	2,478	5,813	6,806
Magnesite	6	11	50	448	126	2,540	32	652	68	2,170
Mica	73	65	272	448	463	803	125	288	207	607
Millstones	14	11	51	37	----------	220	17	48	34	65
Mineral pigments	23	23	151	185	849	1,630	44	174	151	481
Phosphate rock	51	48	7,873	4,373	50,526	49,639	3,216	3,901	10,781	10,300
Pyrite	11	17	1,086	1,172	5,758	7,338	408	1,385	677	2,409
Silica	14	24	158	166	1,219	2,032	82	166	281	372
Sulphur	4	4	366	1,129	3,114	15,291	325	1,682	4,432	17,936
Talc and soapstone	39	28	1,256	958	9,433	7,053	504	835	1,175	2,302

[1] Operators, not enterprises, in 1909.
[2] The totals for all industries include, besides those specified, statistics for the chromite industry in 1919 and for the borax, chromite, grindstone, marl, monazite, and zircon, peat, and precious stones industries in 1909, for which comparable figures could not be given. The value of products of these industries did not exceed one-tenth of 1 per cent of the total for all industries in either year.
[3] Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 689.—PRODUCING MINES AND QUARRIES: SUMMARY BY STATES

Division and State	Number of enterprises [1]		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919 [2]	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
United States	[3] 19,915	21,280	967,633	981,560	4,608,253	6,723,786	586,774	1,295,936	1,238,410	3,158,484
New England	510	302	17,048	7,213	61,259	62,750	9,814	8,036	17,328	18,723
Maine	97	50	2,144	979	8,141	6,277	1,332	1,052	2,056	1,823
New Hampshire	45	30	1,418	682	3,771	4,336	926	826	1,309	1,568
Vermont	137	93	8,145	2,936	25,668	28,119	4,449	3,042	8,221	8,555
Massachusetts	139	74	3,291	1,704	15,031	12,498	1,967	2,069	3,468	4,176
Rhode Island	21	14	665	369	2,350	3,000	410	400	898	952
Connecticut	71	41	1,385	543	6,298	8,520	730	647	1,376	1,649
Middle Atlantic	6,333	6,604	376,633	334,175	1,738,613	2,124,662	204,992	458,109	370,742	853,891
New York	1,351	700	9,305	6,202	101,759	91,339	4,717	7,497	13,335	25,131
New Jersey	131	97	6,315	4,576	18,048	33,901	2,801	5,393	8,347	9,309
Pennsylvania	4,851	5,807	361,013	323,397	1,618,806	1,999,422	197,474	445,219	349,060	819,451
East North Central	4,152	3,772	190,468	190,011	913,857	1,150,153	118,673	237,638	237,533	480,482
Ohio	1,876	2,283	50,567	49,298	294,763	337,611	26,769	58,110	63,767	134,518
Indiana	1,010	503	23,936	26,751	95,039	129,663	14,783	30,193	21,934	52,840
Illinois	915	772	72,086	79,123	225,330	318,231	46,379	94,179	76,659	178,673
Michigan	83	122	39,169	31,292	273,861	337,882	27,661	50,406	67,714	103,870
Wisconsin	268	92	4,710	3,547	24,864	26,766	3,081	4,750	7,459	10,581
West North Central	2,300	1,726	75,196	62,253	370,390	426,242	50,566	84,267	130,252	280,111
Minnesota	153	135	16,586	17,265	151,834	144,199	11,907	29,383	58,665	130,399
Iowa	373	198	16,480	11,274	23,453	32,171	10,870	12,466	13,878	18,474
Missouri	1,021	468	23,420	14,857	109,672	100,160	14,394	16,777	31,667	33,366
North Dakota	53	79	562	774	2,025	2,037	364	1,029	565	1,927
South Dakota	39	23	3,456	1,785	15,648	11,844	3,225	2,497	6,432	5,314
Nebraska	18	9	349	162	815	1,847	170	166	322	293
Kansas	643	814	14,343	16,136	66,943	133,984	9,636	21,949	18,723	90,338
South Atlantic	1,358	2,281	109,210	129,695	536,648	849,169	49,386	149,268	105,716	352,059
Delaware	9	7	493	116	1,480	660	218	136	516	244
Maryland	126	126	7,190	5,628	18,118	18,660	3,339	6,152	5,782	9,699
Virginia	150	202	15,257	14,547	34,630	57,880	5,230	16,108	8,796	29,363
West Virginia	798	1,714	73,410	100,812	416,282	704,279	35,981	119,578	76,288	295,607
North Carolina	118	102	2,215	1,890	6,062	5,039	863	1,489	1,359	2,737
South Carolina	29	20	1,814	933	7,012	4,656	626	680	1,253	1,351
Georgia	92	74	3,383	2,397	10,698	13,026	1,278	2,017	2,875	4,082
Florida	36	36	5,448	3,372	42,366	44,969	2,351	3,108	8,847	8,976
East South Central	830	1,405	62,908	90,612	179,650	351,353	29,444	98,768	49,143	181,645
Kentucky	437	938	18,297	43,563	53,203	148,893	7,827	49,551	12,100	98,487
Tennessee	216	203	16,338	14,470	34,523	56,685	7,359	12,987	12,692	23,292
Alabama	177	264	28,271	32,579	91,924	145,775	14,258	36,230	24,351	59,866
West South Central	1,229	2,821	23,898	60,936	149,602	684,736	15,672	88,445	47,531	490,727
Arkansas	96	126	4,935	3,630	14,080	21,365	3,026	4,573	4,604	8,405
Louisiana-Mississippi [4]	33	137	926	5,228	8,445	86,135	873	7,505	6,547	40,016
Oklahoma	864	1,934	11,658	33,914	95,074	448,173	7,775	46,809	25,638	281,928
Texas	236	624	6,379	18,164	32,003	129,063	3,998	29,558	10,742	160,378
Mountain	1,972	1,508	83,993	81,519	467,184	716,949	82,081	131,192	205,054	321,826
Montana	373	259	18,846	16,129	174,389	143,718	21,361	25,724	54,992	49,924
Idaho	174	82	3,246	2,455	26,278	31,239	4,046	4,202	8,649	11,840
Wyoming	66	106	7,742	9,699	30,338	62,757	6,267	14,576	10,572	41,929
Colorado	672	477	21,483	16,790	98,777	116,351	18,463	25,405	45,680	51,217
New Mexico	98	85	5,107	7,100	16,042	59,876	3,529	10,494	5,588	18,873
Arizona	135	155	12,838	15,268	47,272	166,091	13,503	26,193	34,218	88,478
Utah	188	141	10,089	9,847	47,226	86,131	8,987	17,197	22,083	41,511
Nevada	266	203	4,642	4,231	26,862	50,786	5,925	7,401	23,272	18,054
Pacific	1,538	858	28,281	25,134	191,050	357,675	25,646	40,207	75,111	178,934
Washington	93	83	6,904	5,050	20,742	38,198	5,891	7,466	10,538	13,329
Oregon	116	50	860	740	8,070	6,264	705	993	1,191	1,885
California	1,329	725	20,517	19,344	162,238	313,213	19,050	31,748	63,382	163,770

[1] Operators, not enterprises, in 1909.
[2] The total for the United States includes, besides the States specified, statistics for the District of Columbia for which no statistics were reported for 1909.
[3] Exclusive of duplication, 307 operators having reported in two or more States.
[4] For 1909 statistics are for Louisiana only; nothing reported for Mississippi.

Source: Bureau of the Census, Department of Commerce.

No. 690.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

[NOTE.—Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes]

Product	Quantity						Value in thousands of dollars					
	1910	1915	1920	1925	1926	1927	1910	1915	1920	1925	1926	1927
METALLIC												
Aluminum							8,956	16,280	41,375	36,430	37,583	39,266
Antimonial lead [1] ... short tons	14,069	23,224	12,535	19,667	22,524	24,347	1,338	3,666	1,963	3,786	3,917	3,277
Antimony [2] ... do	2,229	5,364	2,785	2,624	2,693	2,736	[2] 369	[2] 2,374	[2] 473	[2] 918	[2] 856	[2] 626
Bauxite ... long tons	148,932	297,041	521,308	316,540	392,250	320,940	716	1,515	3,247	1,988	2,415	1,989
Cadmium ... pounds	4,700	91,415	129,283	502,824	810,428	1,074,654	3	108	151	277	430	645
Chromite ... long tons	205	3,281	2,502	108	141		3	37	45	2	2	
Copper, [3] sales value ... 1,000 pounds	1,080,160	1,388,010	1,269,061	1,674,870	1,739,622	1,684,041	137,180	242,902	222,467	237,832	243,547	220,609
Ferro-alloys ... long tons	(4)	388,644	612,808	616,222	689,258	646,749	(4)	17,450	77,519	53,048	61,368	55,164
Gold ... 1,000 troy ounces	4,657	4,888	2,476	2,412	2,335	2,197	96,269	101,036	51,187	49,860	48,270	45,419
Iron:												
Ore [5] ... 1,000 long tons	56,890	55,493	69,281	63,925	69,293	61,232	[5] 140,736	[5] 101,289	[5] 285,006	[5] 160,797	[5] 174,016	[5] 151,126
Pig ... do	26,674	30,384	35,710	36,815	38,181	34,867	412,162	401,410	1,140,904	739,316	749,633	646,226
Lead (refined) [3] sales value ... short tons	375,402	507,026	476,849	654,921	680,685	668,320	33,055	47,660	76,296	113,956	108,910	84,210
Manganese ore (35 per cent or more Mn.) ... long tons	2,258	9,613	94,420	98,324	46,258	44,741	23	113	2,396	1,858	1,229	1,152
Manganiferous ore (5 to 35 per cent Mn.) [6] ... long tons	61,101	195,735	767,664	1,448,054	1,217,431	1,461,608	187	817	2,438	3,752	3,138	3,947
Mercury, metal ... flasks (75 pounds net)	20,601	21,033	13,392	9,174	7,642	11,276	958	1,805	1,067	763	702	1,315
Mercury ore ... short tons	124,000	159,000	109,000	65,000	51,000	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Nickel (value at New York City) ... do		822	365	272	323	860		538	293	170	235	391
Ores (crude), tailings, etc.:												
Copper ... 1,000 short tons	28,497	43,404	36,765	53,262	57,636	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Copper-lead and copper-lead zinc ... do	20	11	27	229	282	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Dry and siliceous (gold and silver) ... do	9,646	12,687	8,590	8,995	8,743	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Lead ... do	5,781	7,497	7,200	8,560	8,358	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Lead-zinc ... do	12,390	18,176	12,383	17,741	19,093	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Zinc ... do			2,651	3,411	4,139	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Platinum and allied metals (value at New York City) ... troy ounces	733	8,665	41,544	49,643	84,981	46,050	25	479	4,698	5,662	9,211	3,780
Silver ... 1,000 troy ounces	57,138	74,961	55,362	66,155	62,719	60,434	30,855	37,397	60,802	45,912	39,136	34,266
Tin (metallic equivalent) ... short tons		102	22	14	8	27	23	79	22	16	10	34
Titanium ore (rutile) ... do	566	250	277	46	(8)	(8)	44	28	(8)	11	(8)	(8)
Tungsten ore (60 per cent concentrate) ... do	1,821	2,332	216	1,190	1,382	1,164	833	4,100	102	756	920	724
Uranium and vanadium ores ... do			35,076	13,070	21,624	(10)		694	2,401	331	329	(10)
Zinc, [3] sales value ... do	252,479	458,135	450,045	555,631	611,991	576,960	27,268	113,617	72,907	84,456	91,799	73,966
Total metallic products (approximate)							749,879	991,730	1,762,350	1,330,230	1,402,920	1,217,000

NONMETALLIC												
Arsenious oxide ... short tons	1,497	5,498	11,502	12,317	11,805	(10)	52	302	2,021	1,199	674	(10)
Asbestos ... do	3,693	1,731	1,648	1,258	1,358	2,981	68	77	678	52	135	337
Asphalt:												
Native ... do	260,080	740,254	898,993	584,850	715,180	839,040	3,080	5,242	13,199	4,148	4,485	5,606
Oil ... do				1,206,700	1,245,160	1,525,420				[5] 15,306	[5] 15,453	[5] 19,019
Barite (crude) ... do	42,975	108,547	228,113	228,063	237,875	348,219	122	381	2,142	1,703	1,743	1,594
Borates ... do	42,357	67,003	120,320	113,700	115,970	109,080	1,202	1,677	2,173	3,086	3,128	3,473
Bromine ... 1,000 pounds	245	856	1,161	1,566	1,246	1,756	32	856	745	488	427	565
Calcium-magnesium chloride ... short tons	10,971	20,525	27,849	67,870	82,340	95,721	75	131	539	1,387	1,710	1,948
Cement ... 1,000 bbls. (376 lbs. net)	77,785	87,685	97,079	159,047	164,219	174,023	68,752	75,155	195,590	281,076	280,786	281,736
Clay:												
Products							166,827	160,080	373,670	[9] 423,447	[9] 430,428	(10)
Raw ... 1,000 short tons	2,389	2,363	3,116	4,030	3,967	3,700	[5] 3,625	[5] 3,972	[5] 11,614	[5] 12,737	[5] 14,106	[5] 13,076
Coal:												
Bituminous [11] ... do	417,111	442,624	568,667	520,053	573,367	519,804	469,282	502,038	2,129,933	1,060,402	1,183,412	1,039,608
Pennsylvania anthracite ... 1,000 long tons	75,433	79,460	79,998	55,194	75,391	72,011	160,275	184,653	434,252	[5] 327,665	474,164	432,295
Coke [5] ... 1,000 short tons	41,709	41,581	51,345	51,267	56,866	50,925	[5] 99,743	[5] 105,504	[5] 494,246	[5] 262,559	[5] 307,773	(7)
Diatomite and tripoli ... short tons		35,304	102,155	102,418	118,495	[12] 26,099	130	167	1,649	1,357	1,605	[12] 447
Emery ... do	1,028	3,063	2,327	769	386	506	15	31	22	6	4	6
Feldspar (crude) ... long tons	72,413	93,855	135,551	185,706	209,989	202,497	502	489	851	1,316	1,607	1,425
Fluorspar ... short tons	69,427	136,941	186,778	113,669	128,657	112,546	430	764	4,719	2,052	2,341	2,035
Fuller's earth ... do	32,322	47,901	128,487	206,574	234,152	264,478	294	489	2,506	2,924	3,356	3,767
Garnet for abrasive purposes ... do	3,814	4,301	5,476	8,429	6,397	6,939	114	140	434	713	524	574
Gems and precious stones							296	170	265	(13)	(13)	(13)
Graphite:												
Amorphous ... short tons	1,407	1,181	4,694	3,536	2,975	2,595	40	12	50	40	41	36
Crystalline ... 1,000 pounds	5,591	7,074	9,632	2,257	4,989	5,224	296	417	576	57	179	197
Grindstones and pulpstones ... short tons			53,484	37,340	38,339	31,931	796	648	1,707	1,706	1,873	1,555
Gypsum ... 1,000 short tons	2,379	2,448	3,129	5,673	5,635	5,347	6,523	6,597	24,533	47,577	46,721	42,174
Lime ... do	3,508	3,623	3,570	4,581	4,560	4,337	14,088	14,424	37,544	42,609	41,566	38,210
Magnesite (crude) ... short tons	12,443	30,499	303,767	120,660	133,500	121,490	75	274	2,748	1,433	1,201	1,091
Mica:												
Scrap ... do	4,065	3,959	5,723	9,695	7,043	6,280	53	51	167	174	137	110
Sheet ... 1,000 pounds	2,476	554	1,683	1,794	2,172	1,512	284	378	547	322	400	212
Millstones							28	53	63	22	46	35
Mineral paints:												
Natural pigments [14] ... short tons	68,623	57,442	(14)	(14)	(14)	(14)	528	552	(14)	(14)	(14)	(14)
Zinc and lead pigments [15] ... do	75,162	141,383	143,244	199,190	184,289	191,853	6,853	14,962	24,565	28,311	25,896	25,276
Mineral waters ... 1,000 gallons	62,030	52,114	36,218	(13)	(13)	(13)	6,358	5,139	4,861	(13)	(13)	(13)
Natural gas ... 1,000,000 cu. ft.	509,155	628,579	798,210	1,188,571	1,313,019	1,370,000	70,756	101,312	196,194	265,271	299,238	198,000
Natural-gas gasoline ... 1,000 gallons		65,365	334,744	1,127,470	1,363,090	1,627,600		5,151	71,788	120,383	136,412	111,100
Oilstones, etc. ... short tons			1,144	970	1,680	932	229	115	232	272	223	233
Peat ... do		42,284	73,204	72,436	61,936	(13)	140	289	922	453	364	(13)
Petroleum ... 1,000 barrels (42 gals.)	209,557	281,104	442,929	763,743	770,874	894,435	127,900	179,463	1,360,745	1,284,960	1,447,760	1,203,000
Phosphate rock ... 1,000 long tons	2,655	1,836	4,104	3,482	3,210	3,166	10,917	5,413	25,080	11,546	10,894	11,235
Potash (K_2O) ... short tons		1,090	41,444	25,802	25,060	49,500		342	7,463	1,204	1,083	2,448
Pumice ... do	23,271	27,708	41,838	40,380	53,887	53,298	95	63	114	179	209	221
Pyrites ... long tons	241,612	394,124	310,777	170,081	166,559	215,786	978	1,675	1,597	650	617	804
Salt ... 1,000 short tons	4,243	5,352	6,840	7,398	7,372	7,569	7,900	11,748	29,894	26,162	25,055	24,818

For footnotes see p. 712.

No. 690.—Mineral Products of the United States: Quantities and Values—Continued

Products	Quantity						Value in thousands of dollars					
	1910	1915	1920	1925	1926	1927	1910	1915	1920	1925	1926	1927
NONMETALLIC—continued												
Sand:												
Glass ... 1,000 short tons	1,461	1,884	2,166	2,335	2,274	2,000	1,517	1,607	4,749	3,836	3,615	3,000
Molding, building, etc., and gravel ... do	67,949	74,719	79,875	169,667	180,827	187,000	19,521	21,515	60,913	103,706	107,723	110,000
Sand-lime brick ... thousands	172,507	179,643	169,761	[9] 315,595	[9] 330,586	([10])	1,169	1,135	2,490	[9] 3,781	3,981	([10])
Silica (quartz) ... short tons	63,577	112,575	68,190	25,444	27,743	22,144	194	274	320	205	274	194
Slate ... do			468,700	724,600	718,000	692,040	6,237	4,959	8,726	12,575	12,353	11,381
Stone ... 1,000 short tons			78,527	115,851	124,496	135,200	76,521	74,595	133,542	174,217	188,309	197,200
Sulphur ... 1,000 long tons	251	294	1,518	1,858	2,073	2,072	4,522	4,959	30,000	29,000	37,300	38,300
Sulphuric acid (60° Baumé) from copper and zinc smelters ... 1,000 short tons		[16] 905	[16] 1,230	1,007	1,068	1,041		7,621	13,617	7,513	8,274	8,240
Talc and soapstone ... short tons	150,716	186,891	210,635	[17] 182,256	[17] 181,568	[17] 192,316	1,592	1,892	3,035	[17] 2,012	[17] 2,111	[17] 2,235
Total nonmetallic products (approximate)							**1,237,656**	**1,400,484**	**5,214,170**	**4,814,700**	**4,802,180**	**4,294,000**
SUMMARY OF VALUES												
Metallic products							749,879	991,730	1,762,350	1,380,280	1,402,920	1,217,000
Nonmetallic products (exclusive of fuels)							409,455	427,867	1,021,260	1,232,420	1,261,200	1,210,000
Mineral fuels							828,213	972,617	4,192,910	3,058,680	3,540,980	3,084,000
"Unspecified" (metallic and nonmetallic) products partly estimated							309	2,430	4,820	6,250	7,600	9,000
Grand total (approximate							**1,987,844**	**2,394,644**	**6,981,340**	**5,677,630**	**6,212,700**	**5,520,000**

[1] From both domestic and foreign ores.
[2] Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value. Value for antimony other than that in antimonial lead is included in metallic total. Bureau of Mines not at liberty to publish figures.
[3] Product from domestic ores only.
[4] Included under "Pig iron."
[5] Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.
[6] Including ore used for fluxing.
[7] Figures not available. Value of products derived therefrom, or raw materials used, is included elsewhere.
[8] Value included in total value of metallic products. Bureau of Mines not at liberty to publish figures.
[9] Figures obtained through cooperation with Bureau of the Census.
[10] Figures not yet available. Estimate of value included in total value of nonmetallic products.
[11] Includes brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.
[12] Tripoli only. Value of diatomite is included in total value of non-metallic products. Bureau of Mines not at liberty to publish figures.
[13] No canvass. Estimate of value included in total value of nonmetallic products.
[14] Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."
[15] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.
[16] In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.
[17] Talc only. Value of soapstone is included in value of non-metallic products. Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of Commerce.

No. 691.—MINERAL PRODUCTION, BY STATES

[NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals mine production (recoverable content of metals) is the basis]

[Values in thousands of dollars]

State or Territory [1]	Principal mineral products in 1926, in order of value	Value of total mineral output	
		1925	1926
Pennsylvania	Coal, cement, clay products, natural gas	867,196	1,055,766
Oklahoma	Petroleum, zinc, natural gas	501,767	569,519
California	Petroleum, natural gas, cement	496,923	523,352
Texas	Petroleum, natural gas, sulphur	351,212	420,587
West Virginia	Coal, natural gas, petroleum, clay products	333,528	395,942
Ohio	Clay products, coal, natural gas, petroleum	247,507	253,884
Illinois	Coal, clay products, petroleum, cement	231,680	237,242
Kansas	Petroleum, zinc, natural gas, coal	142,944	165,061
Kentucky	Coal, petroleum, clay products, natural gas	131,371	146,768
Michigan	Iron ore, copper, cement, salt	122,212	130,861
Indiana	Coal, cement, stone, clay products	111,834	118,692
Minnesota	Iron ore, stone, cement, clay products	110,253	118,361
Arizona	Copper, silver, gold, lead	114,203	115,048
New York	Clay products, gypsum, cement, stone	102,036	112,016
Utah	Copper, lead, silver, coal	100,275	98,985
Missouri	Lead, clay products, cement, coal	92,548	90,004
Arkansas	Petroleum, natural gas, coal	87,186	84,486
Alabama	Coal, iron ore, cement, clay products	77,139	83,710
Montana	Copper, silver, zinc, coal	79,261	79,763
Wyoming	Petroleum, coal, natural gas	78,755	78,988
New Jersey	Clay products, zinc, cement, stone	76,764	77,066
Colorado	Coal, gold, lead, petroleum	63,149	65,597
Louisiana	Petroleum, sulphur, natural gas	60,504	62,204
Virginia	Coal, clay products, stone, cement	41,038	46,136
Tennessee	Coal, cement, clay products, stone	38,869	39,297
Iowa	Coal, cement, gypsum, clay products	38,420	35,972
Idaho	Lead, silver, zinc, stone	31,611	31,753
New Mexico	Copper, coal, petroleum, zinc	25,549	28,514
Nevada	Copper, silver, gold, lead	26,470	27,613
Maryland	do	21,558	24,067
Washington	Coal, cement, clay products, sand and gravel	22,382	21,257
Wisconsin	Stone, zinc, sand and gravel, iron ore	19,205	20,712
Florida	Phosphate rock, stone, sand and gravel, fuller's earth	16,651	19,752
Alaska	Copper, gold, silver, coal	18,286	17,607
Georgia	Clay products, stone, cement, fuller's earth	16,504	17,480
Massachusetts	Stone, clay products, sand and gravel, lime	16,832	16,787
Vermont	Stone, slate, lime, talc	14,409	14,955
North Carolina	Clay products, stone, sand and gravel, feldspar	9,504	10,993
Connecticut	Clay products, stone, lime, sand and gravel	6,755	7,695
South Dakota	Gold, cement, sand and gravel, stone	7,972	7,595
Oregon	Cement, sand and gravel, stone, clay products	7,827	6,941
Maine	Stone, lime, clay products, slate	5,839	5,786
New Hampshire	Stone, clay products, sand and gravel, feldspar	3,465	4,145
South Carolina	Clay products, stone, sand and gravel, barite	3,508	3,677
Nebraska	Cement, sand and gravel, clay products, stone	3,359	3,322
North Dakota	Coal, clay products, sand and gravel	2,662	2,805
Mississippi	Sand and gravel, clay products, stone	2,172	1,883
Rhode Island	Stone, clay products, sand and gravel, lime	1,152	1,339
District of Columbia	Sand and gravel, clay products, sand, lime, brick, stone	955	987
Delaware	Clay products, stone, sand and gravel	539	378

[1] States are arranged in order of output in 1923.

Source: Bureau of Mines, Department of Commerce.

No. 692.—IRON ORE: Production, Shipments, Exports, and Imports

[Note.—All figures in thousands of long tons. Nearly all exports are to Canada. Blank spaces indicate that figures are not available. Since 1905 ore containing 5 per cent or more of manganese has been excluded]

Yearly average or year	Production	Shipments	Exports	Imports
1881–1890	10,385			766
1891–1900	17,551			587
1901–1910	41,339		271	1,180
1911–1915	51,595	50,592	953	1,841
1916–1920	69,737	70,224	1,143	967
1921–1925	52,429	52,617	677	1,691
1911	43,877	40,990	768	1,812
1912	55,150	57,018	1,196	2,105
1913	61,980	59,643	1,042	2,595
1914	41,440	39,714	552	1,351
1915	55,526	55,493	708	1,341
1916	75,168	77,871	1,184	1,326
1917	75,289	75,573	1,132	972
1918	69,658	72,021	1,256	787
1919	60,965	56,373	997	476
1920	67,604	69,281	1,145	1,273
1921	29,491	26,653	440	316
1922	47,129	50,613	602	1,135
1923	69,351	69,811	1,117	2,768
1924	54,267	52,083	595	2,047
1925	61,908	63,925	631	2,191
1926	67,623	69,293	869	2,555
1927	61,741	61,232	899	2,621

Production	1924	1925	1926	1927
REGION				
Lake Superior [1]	44,842	52,057	57,143	51,540
Birmingham	6,511	6,636	6,508	6,295
All other	2,914	3,216	3,971	3,906
STATE				
Alabama	6,994	7,093	6,848	6,445
Tennessee	180	165	139	122
Michigan	12,351	14,491	15,248	15,075
Minnesota	31,902	36,856	40,702	35,461
Wisconsin	690	817	1,323	1,691
Pennsylvania	807	956	1,096	1,170
New York	256	142	639	853
New Jersey	65	203	209	221
Wyoming	363	490	630	603
All other	659	696	790	699
KIND				
Hematite	52,102	[2] 59,547	[2] 64,635	[2] 58,506
Brown ore	[2] 814	[2] 885	[2] 811	[2] 743
Magnetite	1,348	1,472	[3] 2,175	[3] 2,490
Carbonate	3	5	2	2

[1] Includes only those mines in Wisconsin which are in true Lake Superior district.
[2] Some hematite included with brown ore. [3] Some hematite included with magnetite.

Source: Bureau of Mines, Department of Commerce.

No. 693.—BLAST FURNACES AND STEEL MILLS: Census Statistics

Year	Number of establishments	Wage earners (average number)	Wages	Value of products [1]	Value added by manufacture [2]	Primary horsepower
			Thousands of dollars			
1879	792	[3] 140,798	[3] 55,451	296,558	105,287	(4)
1889	719	171,181	89,273	478,688	151,415	784,358
1899	668	222,490	120,820	803,968	281,569	1,593,073
1904	605	242,640	141,427	905,788	285,642	2,422,577
1909	654	278,505	187,807	1,377,152	399,013	3,274,400
1914	587	278,072	210,923	1,236,319	380,913	[5] 3,925,869
1919	695	416,748	711,407	3,623,369	1,321,507	[5] 5,399,574
1921	628	254,213	354,357	1,901,431	535,256	(4)
1923	658	424,913	696,761	4,161,938	1,289,910	5,999,941
1925	595	399,914	660,297	3,711,354	1,281,976	6,143,927

[1] Includes much duplication.
[2] Value of products less cost of materials.
[3] Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.
[4] No data.
[5] This total differs slightly from the corresponding one published in previous reports because of the exclusion here and the inclusion in previous reports of data for rented power other than electric.

Source: Bureau of the Census, Department of Commerce.

No. 694.—PIG IRON: Production (Including Ferro-Alloys), 1810–1901

[Note.—For later years see Table 695]

Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons
1810	53,908	1870	1,665,179	1878	2,301,215	1886	5,683,329	1894	6,657,388
1820	20,000	1871	1,706,793	1879	2,741,853	1887	6,417,148	1895	9,446,308
1830	165,000	1872	2,548,713	1880	3,835,191	1888	6,489,738	1896	8,623,127
1840	286,903	1873	2,560,963	1881	4,144,254	1889	7,603,642	1897	9,652,680
1850	563,755	1874	2,401,262	1882	4,623,323	1890	9,202,703	1898	11,773,934
1855	700,159	1875	2,023,733	1883	4,595,510	1891	8,279,870	1899	13,620,703
1860	821,223	1876	1,868,961	1884	4,097,868	1892	9,157,000	1900	13,789,232
1865	831,770	1877	2,066,594	1885	4,044,526	1893	7,124,502	1901	15,878,354

Source: American Iron and Steel Institute.

No. 695.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

[NOTE.—All figures in long tons. Production prior to 1901 is for calendar years; exports and imports are for years ended June 30 following year specified. Data since 1900 are for calendar years]

Yearly average or year	Pig iron			Steel ingots and castings, production	Year	Pig iron			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871–1875	2, 248, 293	7, 412	137, 591	[1] 389, 799	1912	29, 726, 037	272, 676	129, 325	31, 251, 303
1876–1880	2, 562, 763	3, 407	276, 600	803, 479	1913	30, 966, 152	277, 648	156, 450	31, 300, 874
1881–1885	4, 301, 096	5, 311	325, 290	1, 652, 268	1914	23, 332, 244	114, 423	139, 683	23, 513, 030
1886–1890	7, 079, 312	12, 407	229, 970	3, 292, 763	1915	29, 916, 213	224, 509	89, 836	32, 151, 036
1891–1895	8, 133, 013	22, 983	54, 778	4, 675, 736	1916	39, 434, 797	607, 236	135, 349	42, 773, 680
1896–1900	11, 491, 937	224, 268	34, 308	8, 439, 938	1917	38, 621, 216	656, 220	76, 786	45, 060, 607
1901	15, 878, 354	81, 211	62, 930	13, 473, 595	1918	39, 054, 644	269, 575	34, 711	44, 492, 432
1902	17, 821, 307	27, 487	619, 354	14, 947, 250	1919	31, 015, 364	321, 261	101, 665	34, 671, 232
1903	18, 009, 252	20, 379	599, 574	14, 534, 978	1920	36, 925, 987	216, 828	185, 944	42, 132, 934
1904	16, 497, 033	49, 025	79, 500	13, 859, 887	1921	16, 688, 126	28, 405	44, 842	19, 783, 797
1905	22, 992, 380	49, 221	212, 466	20, 023, 947	1922	27, 219, 904	33, 332	498, 059	35, 602, 926
1906	25, 307, 191	83, 317	379, 828	23, 398, 136	1923	40, 361, 146	37, 559	474, 723	44, 943, 696
1907	25, 781, 361	73, 703	489, 475	23, 362, 594	1924	31, 405, 790	45, 818	276, 966	37, 931, 939
1908	15, 936, 018	46, 696	92, 202	14, 023, 247	1925	36, 700, 566	39, 907	516, 948	45 393, 524
1909	25, 795, 471	61, 989	176, 442	23, 955, 021	1926	39, 372, 729	28, 606	514, 288	48, 293, 763
1910	27, 303, 567	127, 385	237, 233	26, 094, 919	1927	36, 565, 645	55, 898	[2] 175, 529	44, 935, 185
1911	23, 649, 547	120, 799	148, 459	23, 676, 106					

[1] 1875 only. [2] Subject to revision.

No. 696.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[All figures in thousands of long tons unless otherwise specified]

	1900	1905	1910	1915	1920	1923	1924	1925	1926	1927
Total pig iron and ferro-alloys	13, 789	22, 992	27, 304	29, 916	36, 926	40, 361	31, 406	36, 701	39, 373	36, 598
By States:										
New England	14	16	17	8	10	1	-------	-------	2, 729	2, 775
New York, New Jersey	463	1, 509	2, 203	2, 105	2, 601	2, 952	2, 014	2, 188		
Pennsylvania	6, 366	10, 579	11, 272	12, 791	13, 983	14, 805	11, 069	12, 523	13, 588	11, 830
Maryland	290	332	326	252	524	530	558	705	805	857
Virginia	491	510	445	251	429	277	98	125	103	99
Alabama	1, 184	1, 604	1, 930	2, 049	2, 393	2, 797	2, 774	2, 836	2, 953	2, 783
Ohio	2, 471	4, 586	5, 752	6, 913	8, 533	9, 348	7, 415	8, 863	9, 359	8, 502
Illinois	1, 363	2, 034	2, 676	2, 447	3, 281	3, 839	2, 601	3, 604	3, 660	3, 589
Indiana, Michigan	164	289	1, 250	1, 937	2, 940	3, 813	3, 350	4, 120	4, 377	4, 202
Wisconsin, Minnesota	185	351	307	373	711	725	357	468	537	456
All other	798	1, 182	1, 117	741	1, 520	1, 274	1, 170	1, 267	1, 260	1, 474
By disposition:										
For sale	(1)	(1)	(1)	8, 583	10, 724	10, 522	8, 411	8, 991	9, 760	9, 494
For maker's use	(1)	(1)	(1)	21, 333	26, 202	29, 839	22, 995	27, 710	29, 612	27, 072
By kinds:										
Basic	1, 072	4, 105	9, 085	13, 093	16, 738	19, 796	15, 999	19, 667	21, 168	19, 357
Bessemer	7, 979	12, 407	11, 246	10, 523	12, 062	11, 678	8, 172	9, 419	10, 042	9, 106
Foundry (incl. ferrosilicon)	3, 376	4, 758	5, 260	4, 844	5, 958	6, 470	5, 623	5, 410	5, 753	5, 783
Malleable	173	635	843	830	1, 311	1, 571	973	1, 554	1, 682	1, 700
Forge	793	728	564	316	318	327	256	241	216	145
Ferromanganese, spiegeleisen, and all other	395	359	306	310	539	520	382	409	511	476
Pig iron and ferro-alloys by fuels:										
Coke [2]	11, 728	20, 965	26, 258	29, 535	36, 300	40, 097	31, 193	36, 504	39, 209	36, 401
Anthracite	1, 677	1, 675	649	85	303	13	-------	-------	-------	-------
Charcoal	384	353	397	296	323	251	213	196	164	165
Materials used:										
Iron ore, briquettes, etc	24, 131	41, 525	51, 739	55, 137	66, 450	72, 312	55, 675	65, 450	[3] 68, 228	(1)
Cinder, scale, etc	1, 600	(1)	2, 800	4, 483	4, 986	5, 430	4, 602	5, 017	[3] 6, 386	(1)
Coke and bituminous coal—1, 000 short tons	(1)	(1)	(1)	33, 329	42, 046	44, 819	34, 335	39, 296	[3] 39, 709	(1)
Limestone	7, 422	11, 627	14, 528	14, 790	17, 825	17, 985	13, 113	15, 154	[3] 15, 364	(1)
Total number of furnaces	406	424	473	445	452	432	425	395	379	(1)
Furnaces in blast Dec. 31	232	313	206	310	216	239	235	238	210	(1)

[1] Not available.
[2] Includes pig iron and ferro-alloys made in electric furnaces.
[3] Materials consumed in manufacture of pig iron only.

Source of Tables 695 and 696: American Iron and Steel Institute.

No. 697.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

[NOTE.—All figures in long tons. Blank spaces indicate that figures are not available]

Year	Total	Bessemer	Open hearth			Crucible	Electric	Miscellaneous
			Total	Basic	Acid			
1890	4,277,071	3,688,871	513,232			71,175		3,793
1900	10,188,329	6,684,770	3,398,135	2,545,091	853,044	100,562		4,862
1905	20,023,947	10,941,375	8,971,376	7,815,728	1,155,648	102,233		8,963
1910	26,094,919	9,412,772	16,504,509	15,292,329	1,212,180	122,303	52,141	3,194
1915	32,151,036	8,287,213	23,679,102	22,308,725	1,370,377	113,782	69,412	1,527
1920	42,132,934	8,883,087	32,671,895	31,375,723	1,296,172	72,265	502,152	3,535
1924	37,931,939	5,899,590	31,577,350	30,719,523	857,827	22,473	432,526	
1925	45,393,524	6,723,962	38,034,488	37,087,342	947,146	19,562	615,512	
1926	48,293,763	6,934,568	40,691,979	39,653,315	1,038,664	15,493	651,723	
1927	44,935,185	6,191,727	38,068,335	37,144,268	924,067	9,036	666,087	

Source: American Iron and Steel Institute.

No. 698.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

[Note.—All figures in thousands of long tons unless specified. Blank spaces indicate figures not available]

	1905	1910	1915	1920	1924	1925	1926	1927
Rolled products, total	16,840	21,621	24,393	32,348	28,086	33,387	35,496	32,879
Rails	3,376	3,636	2,204	2,604	2,433	2,785	3,218	2,806
Bessemer	3,192	1,884	327	143	16	10	13	2
Open hearth	183	1,751	1,775	2,334	2,308	2,692	3,108	2,718
Rerolled			102	127	110	84	97	87
Sheets and plates	3,532	4,955	6,078	9,338	8,088	9,808	10,529	9,628
Universal			955	1,250	1,002	1,196	1,408	1,245
Sheared			1,923	3,505	2,147	2,557	2,794	2,476
Black sheets[1]			1,837	2,886	3,266	4,097	4,237	3,979
Black plates for tinning			1,093	1,449	1,415	1,632	2,090	1,928
Other black-plate specialties			270	247	257	325		
Nail and spike plate	65	45	32	21	22	22	17	18
Wire rods	1,809	2,242	3,096	3,137	2,523	2,845	2,722	2,770
Structural shapes	1,661	[2] 2,267	2,437	3,307	3,284	3,604	3,912	3,742
Merchant bars	3,594	3,786	4,131	6,130	4,281	5,659	5,474	4,870
Skelp	1,436	1,328	2,299	3,220	3,171	3,230	3,765	3,419
Hoops	446	262	282	333	179	205	190	176
Bands and cotton ties		425	438	389	294	356	356	323
Splice and tie-plate bars			536	576	630	823	954	865
Rolled forging blooms, billets, etc.	42	460	651	447	347	345	363	286
All other rolled products	881	1,715	2,208	2,846	2,835	3,726	3,996	3,977
Miscellaneous products:								
Tin plate (million pounds)		1,450	2,202	3,080	2,975	3,459	3,750	3,513
Terneplates (million pounds)		168	163	158	203	255	242	235
Galvanized sheets (million pounds)			1,582	1,871	2,229	2,539	2,788	2,768
Galvanized formed products (million pounds)			112	144	156	178	155	169
Wire nails (thousands of kegs[3])	10,855	12,705	14,583	16,450	15,101	15,454	14,869	14,389
Cut nails (thousands of kegs[3])	1,358	1,005	775	845	742	736	662	703
Wrought pipe, incl. boiler tubes			1,920	3,003	2,824	3,031	3,403	3,117
Boiler tubes			97	119	56	63	61	47
Seamless steel tubes			140	292	261	568	775	864
Cast-iron pipe (1,000 short tons)			1,215	887	1,841	1,925	2,004	2,043
Forgings made by rolling mills		320	524	540	350	388	452	356

[1] Rolled on sheet or jobbing mills.
[2] Small structural forms not included.
[3] Of 100 pounds.

Source: American Iron and Steel Institute.

No. 699.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

[NOTE.—All figures in long tons. Blank spaces indicate that figures are not available]

Calendar year	Total production, finished rolled products	Rails			Plates and sheets		
		Production	Exports	Imports	Production	Exports	Imports
1875		707,600	1,080	17,364			
1880		1,305,212	958	259,543			
1885		976,978	7,757	2,189			
1890	6,022,875	1,885,307	16,947	204	809,981		
1895	6,189,574	1,306,135	15,599	1,447	991,459		
1900	9,487,443	2,385,682	361,619	1,448	1,794,528	54,865	5,143
1905	16,840,015	3,375,929	295,023	17,278	3,532,230	75,097	2,336
1907	19,864,822	3,633,654	338,906	3,752	4,248,832	122,696	3,748
1908	11,828,193	1,921,015	196,510	1,719	2,649,693	104,993	2,629
1909	19,644,690	3,023,845	299,540	1,542	4,234,346	180,047	4,720
1910	21,621,279	3,636,031	353,180	7,861	4,955,484	274,521	6,152
1911	19,039,171	2,822,790	420,874	3,414	4,488,049	372,373	2,453
1912	24,656,841	3,327,915	446,473	3,780	5,875,080	546,521	3,299
1913	24,791,243	3,502,780	460,553	10,408	5,751,037	463,426	2,893
1914	18,370,196	1,945,095	174,680	22,571	4,719,246	280,095	4,310
1915	24,392,924	2,204,203	391,379	78,525	6,077,694	419,604	1,420
1916	32,380,389	2,854,518	540,828	26,299	7,453,980	515,558	1,730
1917	33,067,700	2,944,161	512,669	9,263	8,267,616	851,529	1,748
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095
1920	32,347,863	2,604,116	594,628	45,684	9,337,680	1,273,558	1,792
1921	14,774,006	2,178,818	321,822	22,048	4,260,574	607,370	1,976
1922	26,452,004	2,171,776	277,090	26,629	7,968,397	439,417	[1] 1,947
1923	33,277,076	2,904,516	267,409	29,706	9,497,717	386,405	[1] 4,572
1924	28,086,435	2,433,332	208,496	43,358	8,087,883	360,540	[1] 6,066
1925	33,386,960	2,785,257	151,690	36,872	9,807,659	386,912	[1] 4,480
1926	35,495,892	3,217,649	187,557	55,212	10,529,056	517,611	[1] 15,616
1927	32,879,031	2,806,486	177,586	15,401	9,627,734	468,522	[1] 19,760

Calendar year	Nail-plate production	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1890	251,828	457,099						2,618,660
1895	95,085	791,130			517,920			2,487,845
1900	70,245	846,201	10,652	21,092	815,161	67,714		3,575,536
1905	64,542	1,808,688	6,514	17,616	1,660,519	84,234	16,147	6,398,107
1907	52,027	2,017,583	10,697	17,076	1,940,352	138,442	2,294	7,972,374
1908	45,747	1,816,949	7,412	11,209	1,083,181	116,881	3,623	4,311,608
1909	63,746	2,335,685	20,142	10,544	2,275,562	90,830	6,146	7,711,506
1910	45,294	2,241,830	22,869	20,374	[2] 2,266,890	146,721	14,897	8,475,750
1911	48,522	2,450,453	22,641	15,483	[2] 1,912,367	223,493	5,343	7,316,990
1912	45,331	2,653,553	64,978	15,069	2,846,487	288,164	3,120	9,908,475
1913	37,503	2,464,807	61,637	16,098	3,004,972	403,264	11,659	10,030,144
1914	38,573	2,431,714	61,856	6,954	2,031,124	182,395	10,145	7,204,444
1915	31,929	3,095,907	165,014	5,317	2,437,003	232,139	1,494	10,546,188
1916	30,088	3,518,746	158,284	4,130	3,029,964	300,594	1,473	15,493,093
1917	22,864	3,137,138	181,941	1,060	3,110,000	294,150	6,216	15,585,921
1918	18,310	2,562,390	148,523	7,677	2,849,969	232,729	3,504	14,385,058
1919	12,832	2,538,476	118,010	342	2,614,036	360,787	1,154	10,359,543
1920	20,577	3,136,907	116,775	5,488	3,306,748	493,633	1,685	13,941,835
1921	14,573	1,564,330	18,953	917	1,272,624	297,022	777	5,483,087
1922	21,969	2,654,741	40,424	1,735	2,718,768	167,585	7,823	10,916,353
1923	22,833	3,075,892	40,868	3,948	3,405,197	199,021	10,674	14,370,921
1924	22,175	2,522,545	18,762	6,851	3,283,708	167,910	43,245	11,736,792
1925	22,038	2,844,656	21,207	7,988	3,604,130	169,251	77,291	14,323,220
1926	17,337	2,722,032	19,646	10,075	3,911,663	233,060	121,100	15,098,155
1927	18,051	2,770,271	16,128	17,990	3,742,445	215,228	161,848	13,914,044

[1] Includes skelp.
[2] Production of small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

No. 700.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

[NOTE.—The overlapping of the industries shown in this table results in considerable duplication. Products of steel works and rolling mills listed under Groups B, C, and D, if used in the same works, are not included, but for items under Group A the quantity of all finished products is shown, although no values have been included for such products consumed in the same works, these being included under Group E. The products chiefly used further in manufacture are wire rods, plates and sheets, black plates for tinning, and skelp. The data given under "Wire" and "Tin and terneplate" include products of these departments of steel works and rolling mills. The original census tables contain much fuller detail as to the disposition of semifinished products]

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1921	1923	1925	1921	1923	1925
STEEL WORKS AND ROLLING MILLS							
All products, total value					1,481,659	3,154,325	2,943,066
A. Finished rolled products and forgings, total.	Ton	10,694	25,377	[1] 32,808	662,244	1,545,528	1,379,483
Rails	do	2,100	2,748	2,703	98,630	113,644	114,335
Rail joints and fastenings	do	383	772	817	24,330	43,193	46,724
Structural shapes (not fabricated)	do	1,291	3,501	3,665	57,274	161,750	154,814
Reinforced concrete bars	do	202	617	647	10,268	32,446	32,234
Merchant bars, mill shafting, etc.—							
Steel	do	1,416	5,076	[1] 5,174	86,508	316,517	301,604
Iron	do	214	411	271	14,392	29,419	16,896
Bolt and nut rods, spike and chain rods, etc.	do	251	491	380	1,784	4,238	3,311
Wire rods	do	1,578	3,091	2,999	33,065	62,003	54,713
Plates No. 12 and thicker	do	1,722	4,305	3,953	92,825	220,454	180,669
Sheets No. 13 and thinner	do	1,440	3,549	3,960	84,214	238,693	234,438
Black plates (or sheets for tinning).	do	781	1,489	1,648	3,627	10,397	----------
Skelp	do	2,312	3,647	3,446	31,552	69,215	54,431
Hoops, bands, strips, and cotton ties.	do	480	1,405	1,734	32,091	102,598	86,048
Nail and tack plate	do	20	42	31	582	1,496	802
Axles	do	36	208	135	3,385	15,408	11,387
Armor plate and ordnance	do	71	9	1	39,675	1,921	424
Car and locomotive wheels	do	83	245	147	10,775	23,345	15,345
All other rolled and forged iron and steel products.	do	415	1,059	[1] 1,097	37,267	97,791	71,258
B. Semifinished rolled products (for sale or transfer), total.	do	4,716	11,434	11,388	175,748	455,460	405,411
Blooms, billets, and slabs	do	2,739	7,133	6,828	102,205	280,692	243,333
Rolled blooms, billets, and slabs, for forging.	do	30	135	153	1,441	8,522	7,283
Sheet and tin-plate bar	do	1,905	4,063	4,350	69,622	159,811	151,755
Muck and scrap bar	do	31	99	54	1,941	6,065	2,768
All other	do	11	4	3	539	372	272
C. Unrolled steel (for sale or transfer), total.	do	746	1,606	1,473	88,039	181,496	160,774
Ingots	do	331	553	535	14,379	18,885	16,359
Direct steel castings	do	415	1,054	938	73,660	162,611	144,415
D. Scrap iron and steel (for sale or transfer).	do	1,165	2,218	2,219	18,783	37,101	37,627
E. All other (including value added to rolled products by further manufacture).	do	----------	----------	----------	541,694	934,741	962,773
WIRE (all metals)							
All products, total value		----------	----------	----------	251,235	486,654	456,396
Iron and steel wire: [2]							
Plain	Ton	1,725	3,125	2,963	33,501	73,999	71,842
Galvanized	do	530	952	804	16,136	23,011	17,246
Other coated	do	19	96	43	2,093	6,383	5,198
Cold-rolled flat	do	60	142	155	8,872	19,694	18,359
Copper wire	Lb	305,404	697,464	504,429	35,603	84,786	85,507
Brass wire	do	21,972	68,038	64,139	3,974	16,460	12,228
Other metal wire	do	19,840	29,461	45,589	5,487	9,903	13,683

[1] Not comparable with previous years, which do not include quantities consumed in same works.
[2] Including considerable quantities consumed where manufactured, for which no values are given. (See headnote.)

No. 700.—Products of Steel Works and Rolling Mills, and of the Wire Tin-Plate, and Cast-Iron Pipe Industries—Continued

Industry and product	Quantity in thousands of unit specified				Value in thousands of dollars		
	Unit	1921	1923	1925	1921	1923	1925
WIRE—continued							
Fabricated wire products:							
Iron and steel—							
Nails and spikes	Keg [3]	11,298	17,376	15,234	41,506	61,973	51,126
Brads and tacks	Lb	2,646	3,495	5,236	329	380	577
Staples	do	41,735	62,618	51,489	1,536	2,278	1,755
Barbed wire	Ton	139	254	241	11,051	19,123	16,157
Rope, cable, and strand	do	57	114	115	14,826	29,427	30,468
Woven-wire and netting	do	242	413	325	24,642	37,364	27,576
Other woven-wire products	do	23	15	43	5,344	5,403	6,361
Other fabricated wire products	do	62	109	131	6,639	11,365	12,462
Copper—							
Insulated wire	Lb	90,680	135,718	135,756	17,463	28,024	29,199
Insulated cable	do	41,260	[4] 173,908	91,725	8,506	[4] 36,068	23,704
	Ft			46,588			9,077
Rubber insulated	Lb	33,144	79,154	67,265	7,219	18,000	18,531
	Ft			39,184			4,209
Paper insulated	Lb	8,116	50,754	15,197	1,287	9,873	2,765
	Ft			7,404			4,868
Other insulated							2,408
Other fabricated products					7,325	8,216	8,884
All other products					6,402	12,797	14,488
TIN PLATE AND TERNEPLATE							
All products, total value					99,129	165,587	190,918
Tin plate	Lb	1,638,373	3,159,251	3,480,401	90,531	154,636	179,382
Terneplate	do	87,408	137,301	181,436	5,651	7,840	9,229
All other products	do				2,947	3,111	2,307
CAST-IRON PIPE INDUSTRY							
All products, total value					44,321	92,674	100,389
Gas and water pipe and fittings	Ton	557	1,140	1,437	28,541	63,916	71,192
Soil and plumbers' pipe and fittings	do	211	425	469	11,656	24,033	23,579
Castings, other	do	24	23	26	2,833	2,810	2,891
All other					1,291	1,915	2,726

[3] Of 100 pounds.
[4] Includes 44,000,000 pounds not segregated as to kind of insulation, and valued at $8,194,622.

Source: Bureau of the Census, Department of Commerce.

No. 701.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL[1]

[Note.—Prior to 1922, the small items for which quantity are not available are excluded while in later years these items are included. Ferromanganese is included for all years]

[Quantities in thousands of long tons; values in thousands of dollars]

Year	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1890	52		1909	1,244	50,777	1920	4,935	458,376
1895	89		1910	1,538	63,436	1921	2,213	214,830
1900	1,154	42,518	1911	2,188	86,509	1922	1,995	136,334
1901	701	29,050	1912	2,948	112,535	1923	2,010	167,247
1902	372	15,889	1913	2,746	108,875	1924	1,806	150,494
1903	327	14,533	1914	1,550	63,409	1925	1,763	144,262
1904	1,168	35,248	1915	3,533	140,993	1926	2,167	174,145
1905	1,010	33,813	1916	6,101	353,971	1927	2,188	160,609
1906	1,326	52,215	1917	6,439	567,041	Per cent change from 1926	+.8	−7.8
1907	1,302	60,046	1918	5,375	558,279			
1908	964	43,397	1919	4,400	410,164			

[1] Beginning with 1922 the small item "steam and hot water heating boilers and radiators" is omitted.

Source: Bureau of Foreign and Domestic Commerce.

No. 702.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

[NOTE.—This and the following table exclude the highly elaborated manufactures of iron and steel]

Articles	Quantity (long tons)				Value (thousands of dollars)			
	1924	1925	1926	1927	1924	1925	1926	1927
Total	1,806,266	1,762,551	2,166,650	2,183,157	150,494	144,262	174,145	160,609
Pig iron, not including ferroalloys	41,483	32,674	25,208	50,992	958	725	524	1,028
Ferromanganese and spiegeleisen	3,165	5,496	693	1,641	92	161	44	62
Ferrosilicon	775				29			
Scrap	97,748	82,573	104,838	239,209	1,531	1,377	1,794	3,765
Ingots, blooms, billets, sheet bars, and skelp	96,155	87,479	100,954	98,614	4,661	3,892	4,555	4,344
Iron bars	5,054	4,616	5,171	3,872	514	425	445	345
Steel bars	99,534	111,950	137,771	111,126	7,190	7,605	8,935	6,938
Alloy steel bars	2,742	3,692	4,945	6,150	615	703	923	916
Wire rods	18,762	21,207	19,646	16,127	1,048	1,082	1,086	883
Galvanized sheets	108,152	160,269	178,635	152,177	11,940	16,842	18,392	15,498
Plates, iron and steel	85,048	104,448	138,260	139,629	5,248	6,205	7,602	7,024
Black steel sheets	148,742	95,433	175,740	152,523	13,302	8,211	14,195	12,188
Black iron sheets	11,005	14,771	19,253	17,145	1,239	1,473	2,024	1,663
Hoop, band, and strip steel	34,141	40,938	46,914	43,161	2,943	3,124	3,453	3,061
Tin plate, terneplate, etc	160,997	161,385	250,782	253,889	19,430	18,587	28,766	29,062
Structural shapes, plain material	102,408	104,339	157,121	148,176	5,990	5,470	7,655	6,554
Structural materials, fabricated	70,786	73,463	77,285	69,424	6,978	5,793	6,952	5,912
Metal lath	2,309	3,441	4,376	4,663	419	577	729	779
Steel rails	208,496	151,690	187,557	177,593	7,951	6,155	7,643	6,783
Rail fastenings, switches, frogs, etc	36,113	35,367	41,771	34,371	3,486	3,250	3,344	3,155
Boiler tubes and welded pipe	200,951	229,792	275,452	248,474	20,969	22,818	26,522	23,299
Cast-iron pipe and fittings	28,771	32,206	34,111	27,975	4,477	3,901	4,094	3,436
Malleable-iron screwed pipe fittings	11,024	9,886	12,367	10,064	2,856	2,825	3,434	3,086
Barbed-wire and woven-wire fencing	90,444	71,117	50,721	52,396	6,970	5,234	3,719	3,762
Plain wire	37,047	35,598	31,312	35,435	3,362	3,190	2,710	2,843
Wire cloth and screening	1,631	1,854	1,989	2,252	695	744	746	827
Wire rope	4,187	4,376	4,779	4,546	1,220	1,258	1,446	1,342
Insulated wire and cable	978	642	738	492	398	268	276	191
Wire, other, and manufactures thereof	11,225	8,376	8,983	9,559	2,156	1,991	1,983	1,894
Wire nails	21,665	9,838	11,743	9,991	1,934	834	885	763
Nails other than wire, including tacks	7,886	9,237	7,925	8,431	1,605	1,776	1,635	1,655
Horseshoes	963	709	660	575	122	116	102	91
Bolts, nuts, rivets, and washers [1]	17,495	16,992	13,221	12,228	2,931	2,819	2,409	2,196
Car wheels and axles	22,329	19,935	16,679	16,662	1,946	1,734	1,487	1,273
Iron castings	8,400	10,412	8,839	11,725	1,447	1,421	1,276	1,353
Steel castings	5,879	4,210	7,566	7,003	1,409	1,122	1,829	1,808
Forgings	1,714	2,171	2,645	4,867	428	556	533	827

[1] Except track.

No. 703.—IRON AND STEEL: EXPORTS BY DESTINATIONS

[NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 702]

Country	1925	1926	1927	Country	1925	1926	1927
Belgium	9,034	5,548	6,609	Colombia	77,336	71,142	59,080
France	9,047	10,393	4,586	Ecuador	2,218	1,497	1,829
Germany	2,488	1,115	10,794	Peru	17,895	37,819	32,207
Italy	41,767	23,486	41,833	Uruguay	5,433	7,508	11,393
Netherlands	2,735	5,509	12,099	Venezuela	35,232	68,116	45,607
Norway	3,470	4,731	4,167	India and Ceylon	25,925	37,336	28,497
Spain	6,117	2,520	3,578	British Malaya	6,719	15,520	8,444
United Kingdom	52,261	68,809	66,915	China	56,816	46,054	53,843
Canada	614,661	833,856	832,218	Netherland East Indies	25,194	41,028	35,258
Central America	52,542	49,709	45,361	Hong Kong	3,569	2,461	3,951
Mexico	102,412	100,837	81,747	Japan	132,889	260,361	278,206
British West Indies	9,862	10,580	12,384	Kwantung	1,802	20,247	19,293
Cuba	146,823	94,708	92,486	Philippine Islands	46,896	57,554	63,343
Dominican Republic	10,487	7,399	9,930	Australia	22,543	33,353	26,670
Argentina	87,296	60,105	82,380	New Zealand	2,060	3,378	1,291
Brazil	46,016	62,542	70,633	British South Africa	23,208	9,393	10,403
Chile	44,940	61,642	44,641				

Source of Tables 702 and 703: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 704.—IRON AND STEEL: Average Annual Prices

[Prices of pig iron, rails, and billets in dollars per long ton; other prices in dollars per 100 pounds]

Year	Pig iron				Rails at mills in Pennsylvania [2]	Bessemer steel billets, Pittsburgh	Soft-steel bars, Pittsburgh	Iron bars, Pittsburgh [3]	Tank plates, Pittsburgh	Beams, Pittsburgh	Composite finished steel
	Bessemer, Pittsburgh	Basic, The Valleys	Southern, No. 2, Cincinnati	Local, No. 2, Chicago [1]							
1890	18.87	--------	15.11	16.66	31.78	30.29	--------	1.84	--------	--------	--------
1895	12.72	--------	10.86	11.80	24.33	18.48	--------	1.25	--------	--------	--------
1896	12.14	--------	10.29	11.64	28.00	18.83	--------	1.21	--------	--------	--------
1897	10.13	--------	9.42	10.68	18.75	15.08	--------	1.10	--------	--------	--------
1898	10.33	--------	9.46	11.32	17.62	15.31	0.95	1.07	1.08	1.17	--------
1899	19.03	--------	16.58	18.40	28.12	31.12	1.84	1.95	2.21	1.81	--------
1900	19.49	--------	17.04	19.47	32.29	25.06	1.59	2.15	1.54	1.91	--------
1902	20.67	--------	20.00	20.86	28.00	30.57	1.58	1.94	1.70	1.81	--------
1903	18.98	--------	17.08	19.25	28.00	27.91	1.56	1.77	1.61	1.62	--------
1904	13.76	--------	12.73	14.37	28.00	22.18	1.33	1.48	1.54	1.54	1.71
1905	16.36	15.25	15.57	17.65	28.00	24.03	1.48	1.87	1.58	1.62	1.76
1906	19.54	18.10	18.37	20.43	28.00	27.45	1.51	1.93	1.61	1.70	1.77
1907	22.84	20.87	23.10	24.50	28.00	29.25	1.60	1.94	1.70	1.70	1.92
1908	17.07	15.16	15.54	17.57	28.00	26.31	1.49	1.60	1.64	1.64	1.86
1909	17.41	15.48	16.12	17.49	28.00	24.62	1.33	1.62	1.42	1.42	1.63
1910	17.19	14.76	15.16	17.09	28.00	25.38	1.44	1.65	1.47	1.45	1.66
1911	15.71	13.07	13.67	14.83	28.00	21.46	1.26	1.41	1.31	1.32	1.54
1912	15.94	13.92	14.93	15.32	28.00	22.38	1.29	1.44	1.33	1.32	1.53
1913	17.13	14.71	14.90	15.85	28.00	25.79	1.55	1.69	1.50	1.50	1.66
1914	14.89	12.87	13.41	13.60	30.00	20.09	1.15	1.32	1.14	1.15	1.43
1915	15.78	13.74	13.57	14.01	30.00	22.44	1.31	1.48	1.31	1.30	1.53
1916	23.86	19.76	18.67	20.26	34.00	43.95	2.67	2.13	3.53	2.55	2.67
1917	43.64	38.90	38.95	41.31	40.00	70.96	3.64	3.83	5.88	3.67	4.19
1918	36.67	32.50	36.56	33.25	57.00	47.33	2.89	4.31	3.24	2.99	3.54
1919	31.12	27.65	32.16	29.16	49.29	40.51	2.50	4.10	2.72	2.53	3.12
1920	44.44	42.21	44.47	42.53	54.42	56.22	3.22	4.75	3.28	2.95	3.68
1921	25.34	21.74	26.68	22.93	45.69	34.46	1.87	4.47	1.93	1.94	2.53
1922	27.58	24.20	23.93	24.85	40.75	33.95	1.72	3.35	1.72	1.71	2.22
1923	28.97	25.81	27.87	28.16	43.00	41.70	2.36	3.50	2.43	2.43	2.74
1924	23.29	20.24	23.92	22.11	43.00	37.99	2.20	4.00	2.12	2.19	2.61
1925	22.33	19.59	23.74	22.09	43.00	35.23	2.02	4.52	1.91	1.99	2.47
1926	21.33	18.55	24.71	21.64	43.00	36.00	2.00	4.62	1.88	1.95	2.44
1927	20.46	17.70	21.16	19.68	43.00	33.27	1.84	4.68	1.82	1.83	2.36

[1] At furnace after 1907.
[2] Bessemer rails to end of 1913; open-hearth thereafter. The extra $2 per gross ton charged for many years on open-hearth rails was annulled, Oct. 22, 1921.
[3] All muck iron for 1890; subsequently, best refined.

Sources: Iron Age and American Iron and Steel Institute.

No. 705.—ALUMINUM AND BAUXITE: Production, Exports, and Imports

	1913	1920	1923	1924	1925	1926	1927
BAUXITE							
Quantities, long tons:							
Production	210,241	521,308	522,690	347,570	316,540	392,250	320,940
Georgia, Alabama, and Tennessee	40,370	40,029	28,810	19,940	20,220	20,680	17,110
Arkansas	169,871	481,279	493,880	327,630	296,320	371,570	303,830
Imports for consumption	21,456	42,895	119,020	201,974	353,696	281,644	356,580
Exports	(1)	22,257	78,560	77,065	78,633	87,770	121,858
Value of production [2] (1,000 dollars)	998	3,247	3,157	2,138	1,988	2,415	1,989
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal	9,450	41,375	28,305	37,607	36,430	37,583	39,266
Secondary metal	2,199	9,489	10,825	14,596	24,816	24,868	21,844
Imports for consumption, total	4,784	13,077	8,743	7,145	10,107	16,779	14,202
Crude and semicrude	4,388	12,184	8,317	6,860	9,806	16,422	13,317
Manufactures	396	893	426	285	301	357	885
Exports, total	966	5,631	3,572	4,172	6,057	4,452	6,307
Crude and semicrude	--------	3,068	1,518	1,632	3,366	2,135	3,479
Manufactures	--------	2,563	2,054	2,540	2,691	2,317	2,829
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,299	42,477	31,810	41,997	71,392	62,575
Exports (crude and semicrude)	(1)	9,408	5,540	6,343	12,642	7,634	14,523

[1] Unavailable. [2] F. o. b mines.

Source: Bureau of Mines, Department of Commerce.

No. 706.—COPPER: Production, Exports, Imports, and Consumption

[Note.—**All quantities except ore produced in millions and tenths of millions of pounds.** Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks]

Item	1910	1915	1920	1923	1924	1925	1926	1927
UNREFINED COPPER								
Ore produced (million short tons)	28.5	43.4	36.8	45.5	49.2	53.1	57.2	(1)
Average copper yield, per cent	1.88	1.66	1.63	1.58	1.59	1.54	1.46	(1)
Smelter output	1,080.2	1,388.0	1,209.1	1,435.0	1,634.2	1,674.9	1,739.6	1,684.0
Mine production	1,088.2	1,488.1	1,224.6	1,477.7	1,606.2	1,678.1	1,725.2	(1)
Imports, unrefined:								
Ore	64.2	92.1	52.0	90.2	105.2	107.6	106.7	99.3
Concentrates	21.0	22.3	46.8	49.9	41.7	54.0	44.8	68.2
Matte and regulus			17.6	3.0	1.1	1.7	2.1	1.4
Black, in bars, pigs, etc	[2] 259.2	[2] 193.8	244.7	395.3	471.0	379.3	443.8	438.6
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,027.0	2,151.0	2,802.0	3,037.0	3,045.0	3,282.0	3,286.0
New copper (primary)	1,422.0	1,634.2	1,526.2	1,979.8	2,260.1	2,204.6	2,322.5	2,325.3
Domestic	1,071.9	1,387.7	1,182.4	1,464.2	1,674.2	1,682.9	1,731.3	1,719.0
Foreign	350.1	246.5	343.7	515.7	585.9	521.7	591.2	606.3
Electrolytic	1,128.3	1,360.8	1,351.7	1,812.3	2,076.3	2,050.6	2,142.0	2,125.8
Lake	221.5	236.8	153.5	137.7	145.3	138.0	172.4	195.1
Casting and best select [3]	72.3	36.6	21.0	29.8	38.4	15.9	8.1	4.3
Old copper rerefined (secondary)	189.0	392.4	624.9	821.8	776.6	840.4	959.6	960.2
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,634.2	1,526.2	1,979.8	2,260.1	2,204.6	2,322.5	2,325.3
Refined copper imported	(2)	(2)	108.7	[4] 160.7	145.9	99.8	170.6	103.3
Refined copper exported [5]	708.3	588.8	553.1	792.1	1,072.2	1,022.3	900.9	981.1
Stocks, Dec. 31 (refined)	122.8	82.4	659.0	264.0	243.0	124.0	146.0	171.0
Withdrawn on domestic account:								
New refined copper	732.4	1,136.6	1,053.8	1,300.5	1,354.7	1,401.0	1,570.1	1,423.0
New and old copper [6]	921.0	1,529.0	1,679.0	2,122.0	2,131.0	2,241.0	2,593.0	2,383.0

[1] Not available.
[2] Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.
[3] Includes pig for years 1915 and 1920.
[4] Revised.
[5] Includes the small exports of unrefined black blister and converter copper (bars, pigs, etc.) for years prior to 1923.
[6] Total from preceding line plus production of secondary copper as given above.

No. 707.—COPPER: State of Origin of Ore Smelted

[Quantities in thousands of pounds]

State of origin	1900	1910	1915	1920	1924	1925	1926	1927
Total	606,117	1,080,160	1,388,010	1,209,061	1,634,249	1,674,870	1,739,622	1,684,041
Alaska	--------	4,311	70,695	66,094	77,053	72,204	67,632	56,429
Arizona	118,318	297,251	432,468	552,989	672,365	722,653	729,325	681,168
California	28,511	45,760	37,658	11,822	49,434	46,944	30,443	25,803
Colorado	7,827	9,307	7,272	4,283	4,159	3,163	4,658	8,007
Idaho	290	6,878	6,218	1,922	3,149	3,144	1,171	1,811
Michigan	145,461	221,463	238,956	153,484	145,333	138,030	174,779	195,135
Missouri	--------	--------	306	533	185	12	54	5
Montana	270,754	283,079	268,263	177,744	249,322	270,605	257,272	225,299
Nevada	408	64,495	67,757	55,580	77,281	77,138	109,042	118,296
New Mexico	4,169	3,785	62,817	52,160	78,146	76,467	82,848	79,761
Oregon	--------	22	797	2,529	717	126	279	485
Pennsylvania	--------	741	--------	618	1,204	562	496	2,149
Tennessee	--------	16,692	18,205	16,728	18,252	19,789	18,602	14,499
Utah	18,355	125,185	175,178	110,358	256,531	242,731	259,649	267,706
Washington	--------	65	904	2,126	979	1,185	1,337	1,767
Undistributed	12,022	1,127	514	92	80	117	2,037	5,749

Source of Tables 706 and 707: Bureau of Mines, Department of Commerce

No. 708.—COPPER: SMELTER AND REFINERY OUTPUT

[NOTE.—Smelter output as here given represents the production of unrefined copper from domestic ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 706]

[Quantities in millions of pounds; values in thousands of dollars]

Period	Smelter output from domestic ore		Year	Smelter output from domestic ore		Refinery output (quantity)			
						New copper			Secondary copper
	Quantity	Value		Quantity	Value	Total[1]	Domestic	Foreign[1]	
1850	1½	320	1907	869	173,799	1,033	868	165	-------
1860	16	3,709	1908	943	124,419	1,138	943	195	-------
1870	28	5,997	1909	1,093	142,084	1,391	1,093	298	-------
			1910	1,080	137,180	1,422	1,072	350	189
1871-1875	34	8,895	1911	1,097	137,154	1,434	1,097	337	214
1876-1880	50	9,679							
1881-1885	118	17,236	1912	1,243	205,139	1,568	1,243	325	273
1886-1890	226	30,345	1913	1,224	189,795	1,615	1,237	378	276
1891-1895	339	37,266	1914	1,150	152,968	1,534	1,150	384	252
			1915	1,388	242,902	1,634	1,388	247	395
1896-1900	531	74,424	1916	1,928	474,288	2,259	1,928	331	700
1901-1905	732	103,859							
1906-1910	980	150,924	1917	1,886	514,911	2,428	1,886	542	767
1911-1915	1,221	185,592	1918	1,909	471,408	2,432	1,883	549	705
1916-1920	1,644	395,270	1919	1,286	239,274	1,805	1,433	372	574
1921-1925	1,240	171,275	1920	1,209	222,467	1,526	1,182	344	625
			1921	506	65,221	951	609	341	435
1901	602	100,546							
1902	660	80,460	1922	950	128,289	1,256	905	351	672
1903	698	95,632	1923	1,435	210,945	1,980	1,464	516	822
			1924	1,634	214,087	2,260	1,674	586	777
1904	813	104,005	1925	1,675	237,832	2,205	1,683	522	840
1905	889	138,650	1926	1,740	243,547	2,322	1,731	591	960
1906	918	177,136	1927	1,684	220,609	2,326	1,719	607	960

[1] Includes refined copper imported from 1907 to 1919, inclusive.

Source: Bureau of Mines, Department of Commerce.

No. 709.—EXPORTS (DOMESTIC) AND IMPORTS OF COPPER

[NOTE.—Values include all copper. Quantities represent all copper except "other manufactures." Copper content of exports of ore for years 1891-1915 and of imports for years 1891-1903 was estimated]

[Quantities in short tons; values in thousands of dollars]

Yearly average or year	Exports		Imports		Year	Exports		Imports	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891-1895 [1]	65,586	14,392	7,661	896	1920	312,027	141,717	242,835	90,019
1896-1900 [1]	137,684	36,745	24,634	5,866	1921	314,402	97,898	175,236	45,785
1901-1905 [1]	190,651	54,942	83,237	22,611	1922	368,428	103,874	270,507	66,829
1906-1910 [1]	289,445	92,334	130,111	38,026	1923	412,375	129,220	338,236	95,988
1911-1915 [1]	416,840	123,655	176,635	46,129	1924	556,106	156,646	384,408	96,184
1916-1920 [2]	376,877	208,909	244,948	103,805	1925	540,376	161,166	326,486	84,270
1921-1925	438,337	129,761	293,975	77,811	1926	482,843	141,204	389,721	99,742
1918	373,845	206,732	287,903	133,525	1927	538,403	150,163	359,166	84,965
1919	258,314	130,790	214,694	86,271					

[1] Fiscal years ended June 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 710.—REFINED PRIMARY LEAD AND SECONDARY LEAD

[NOTE.—Production in short tons, values except price per pound in thousands of dollars. This table, except the last column, relates to new (primary) lead only, derived from both domestic and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, which is shown in the next to the last column. This table represents exclusively refined lead, while in Table 711 part of the lead from domestic ore is unrefined]

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830	8,000	608	1893	224,320	16,600	1911	486,979	43,828
1840	17,000	1,666	1894	213,650	14,101	1912	480,894	43,280
1850	22,000	2,112	1895	235,822	15,093	1913	462,460	40,696
1860	15,600	1,778	1896	257,487	15,449	1914	542,122	42,286
1870	17,830	2,247	1897	282,109	20,316	1915	550,055	51,705
1880	95,725	9,573	1898	302,148	22,963	1916	571,134	78,817
1881	114,495	10,992	1899	298,047	26,824	1917	610,769	105,052
1882	129,780	12,718	1900	367,773	32,364	1918	640,195	90,908
1883	140,297	12,066	1901	371,032	30,909	1919	482,220	51,115
1884	136,297	10,086	1902	367,892	30,167	1920	529,057	84,745
1885	126,192	10,095	1903	368,930	30,991	1921	448,589	40,373
1886	132,189	12,161	1904	393,452	33,837	1922	532,662	58,593
1887	156,630	14,097	1905	388,307	36,501	1923	618,322	86,565
1888	176,015	15,489	1906	404,746	46,141	1924	690,493	110,479
1889	178,357	13,912	1907	413,389	43,819	1925	766,969	133,453
1890	157,844	14,206	1908	396,564	33,311	1926	798,941	127,831
1891	198,363	17,059	1909	446,909	38,434	1927	796,530	100,363
1892	208,223	17,074	1910	470,272	14,384			

Year	Class		Source			Average value per pound	Antimonial lead, total production	Secondary lead recovered, total
	Desilverized [1]	Soft	Domestic ores and bullion [2]	Foreign ores	Foreign base bullion			
1870		17,830	17,830			$0.063		
1880	68,035	27,690	95,725			.050	2,100	
1885	104,217	21,975	126,192			.040	3,220	
1890	126,493	31,351	139,720	18,124		.045	3,910	
1895	195,932	39,890	159,649	76,173		.032	6,060	
1900	319,752	48,021	260,918	106,855		.044	9,906	
1905	302,852	85,455	307,514	80,793		.047	10,995	
1910	328,954	141,318	375,402	18,065	76,805	.044	14,069	55,422
1915	388,594	161,461	507,026	9,581	33,448	.047	23,224	78,900
1920	339,803	189,854	476,849	8,414	44,394	.080	12,535	124,650
1924	486,878	203,615	566,407	46,385	77,701	.080	20,787	204,500
1925	506,409	260,560	654,921	112,048		.087	19,667	226,880
1926	540,376	258,565	680,685	118,256		.080	22,524	277,300
1927	562,586	233,944	668,320	128,210		.063	24,347	287,000

[1] Desilverized soft lead is included. [2] Excludes antimonial lead.

No. 711.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons. See note to Table 710]

Source of ore	1910	1915	1920	1923	1924	1925	1926	1927
Total	494,081	580,041	547,155	628,517	706,086	798,499	814,086	812,545
From domestic ore	389,211	537,012	494,347	554,036	582,000	686,451	695,830	684,165
Arizona	948	6,953	5,987	8,828	9,372	10,281	10,646	7,918
Colorado	38,542	32,352	17,752	23,885	25,491	31,855	37,553	37,040
Idaho	109,951	160,680	117,191	127,797	123,709	123,363	132,564	150,618
Kansas	1,308	1,320	8,421	20,207	12,895	15,001	20,884	7,530
Missouri	161,659	195,634	171,999	169,323	191,501	208,547	218,083	210,366
Montana	1,943	4,853	13,231	18,345	21,226	22,008	26,350	23,041
Nevada	2,246	7,664	8,650	8,044	8,070	10,978	11,379	8,680
Oklahoma	1,805	4,346	68,494	59,002	56,017	78,487	70,004	65,790
Utah	60,605	106,105	64,006	104,678	119,318	166,844	151,127	155,199
Wisconsin	3,909	2,632	3,841	601	1,973	2,889	2,052	2,067
Undistributed	4,058	9,911	10,409	12,364	11,108	14,657	14,683	14,011
Zinc residue	2,237	4,562	4,366	362	1,320	1,541	505	1,905
From foreign ore [1]	18,065	9,581	8,414	24,288	46,385	47,024	48,210	32,539
Africa	3,310		1,171	99			6	12
Canada	25	1,174	1,186	3,632	4,633	10,676	5,385	4,138
Mexico	11,704	5,437	2,729	18,867	33,328	31,107	32,693	22,844
South America	2,996	2,829	2,747	1,461	7,663	4,496	9,893	5,506
From foreign base bullion [1]	76,805	33,448	44,394	50,193	77,701	65,024	70,046	95,841
Canada			1,919					
Mexico	76,805	33,173	2,4241	50,193	77,701	65,024	70,046	95,841

[1] Totals include small unspecified items.

Source of Tables 710 and 711: Bureau of Mines, Department of Commerce.

No. 712.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

[NOTE.—All data in short tons. Apparent consumption is only approximate as no account is taken of changes in stocks outside of bonded warehouses]

	1910	1915	1920	1923	1924	1925	1926	1927
Supply, total	473,836	550,467	565,610	639,421	705,357	779,035	818,255	809,708
Stock in bonded warehouses Jan. 1	79	2	234	--------	2,617	5,045	8,162	10,711
Imports of pigs, bars, and old	3,485	410	35,719	21,099	12,247	7,021	11,152	2,467
Production	470,272	550,055	529,657	618,322	690,493	766,969	798,941	796,530
Deductions, total	78,661	130,907	27,590	65,878	102,410	123,380	100,602	146,761
Exports of foreign lead:								
From warehouses	69,786	38,618	17,363	48,736	76,758	98,564	67,660	122,764
In manufactures with benefit of drawback	8,800	3,983	6,175	12,526	15,275	11,699	17,955	[1] 12,000
Exports of domestic lead	--------	88,306	2,730	1,999	5,332	4,955	4,276	2,533
Stock in bonded warehouses Dec. 31	75	--------	1,322	2,617	5,045	8,162	10,711	9,464
Apparent consumption	395,175	419,560	538,020	573,543	602,947	655,655	717,653	662,947

[1] Estimate.

Source: Bureau of Mines, Department of Commerce.

No. 713.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,[1] 1925

[NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: Babbitt metal, white metal, type metal, and solder; brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified; lead bar, pipe, and sheet; and smelting and refining, metals other than gold silver, or platinum, not from the ore]

[Quantities in thousands of pounds; values in thousands of dollars]

Kind	Quantity	Value
Total value	--------	706,924
Ingots and pigs	--------	149,563
Brass	171,713	19,940
Bronze	27,174	3,647
Babbitt and bearing metal	97,756	21,818
Solders, all kinds	85,449	25,685
Type metal	60,103	6,517
White metal (other than bearing metal)	127,276	14,128
Other metal	--------	57,828
Plates and sheets	--------	124,473
Brass	347,820	63,633
Bronze	31,152	7,392
Copper	162,316	35,231
Lead	51,183	5,681
Other metals	--------	12,536
Rods and bars	--------	68,988
Brass	156,593	25,374
Bronze	4,225	1,149
Copper	226,948	36,485
Other metals	--------	5,980
Tubing (seamless) and pipe	--------	52,218
Brass	96,518	23,101
Bronze	6,055	1,646
Copper	57,954	14,909
Lead	105,776	11,860
Other metals	--------	702
Tubing, brazed (practically all brass)	13,468	3,767
Wire, bare [2]	--------	51,006
Brass	54,593	9,921
Bronze	29,671	7,478
Copper	190,473	32,812
Other metals	--------	795
Castings, rough	--------	75,391
Brass	--------	26,926
Weight reported	95,010	18,981
Weight not reported	--------	7,945
Bronze	209,152	40,101
Other metals	--------	8,364
Finished products	--------	157,554
Brass	--------	83,903
Bronze	--------	28,166
Copper	--------	13,396
Other metals	--------	32,089
All other products, including custom work and repairing	--------	23,964

[1] This table does not include data for establishments engaged in smelting and refining ores containing copper, lead, zinc, and other nonferrous metals.
[2] Does not include wire made by establishments engaged primarily in the drawing of wire.

Source: Bureau of the Census, Department of Commerce.

No. 714.—ZINC: Production, Exports, Stocks, and Apparent Consumption

[All quantity figures in short tons; values in thousands of dollars]

	1910	1915	1920	1923	1924	1925	1926	1927
Mine production (zinc content)	327,618	587,595	587,524	610,690	637,977	710,847	774,564	715,990
Colorado	38,545	52,297	24,395	27,076	28,364	30,811	32,500	37,440
Idaho	2,802	35,077	13,966	13,976	7,670	15,619	26,307	26,778
Kansas	13,229	14,365	61,073	100,969	105,392	118,778	126,307	109,427
Missouri	128,589	136,300	24,509	18,265	12,920	14,794	26,018	18,737
Montana	15,819	93,573	92,169	70,730	64,238	57,658	73,701	80,231
Nevada	1,354	12,188	5,349	7,083	5,501	7,411	5,409	3,630
New Jersey	68,584	117,722	78,511	75,227	84,370	89,261	80,629	95,695
New Mexico	9,044	12,702	5,007	8,248	10,380	9,246	12,053	26,800
New York	----------	2,455	5,654	8,463	4,664	5,158	5,041	3,750
Oklahoma	6,394	14,314	219,727	242,421	269,137	283,371	272,567	206,611
Tennessee	966	16,461	19,217	15,900	14,376	16,256	12,098	10,400
Utah	8,184	12,146	4,079	5,665	9,281	26,306	47,590	49,593
Wisconsin	25,927	41,403	27,285	13,211	14,027	20,230	26,800	32,841
Other States	8,181	26,592	6,583	3,456	7,657	15,948	27,544	----------
Smelter production	310,407	542,419	506,227	575,644	576,225	634,376	682,992	656,700
Primary zinc	269,184	489,519	463,377	510,434	517,339	572,946	618,422	592,516
From domestic ore	252,479	458,135	450,045	508,335	515,831	555,631	611,991	576,960
From foreign ore	16,705	31,384	13,332	2,099	1,508	17,315	6,431	15,556
Secondary zinc	41,223	52,900	42,850	65,210	58,886	61,430	64,570	64,184
Redistilled	12,784	29,764	21,371	39,434	35,486	39,181	40,799	42,784
Remelted	28,439	23,136	21,479	25,776	23,400	22,249	23,771	21,400
Value of primary product from domestic ore ($1,000)	27,268	113,617	72,907	69,134	67,058	84,456	91,799	73,966
Primary zinc consumed:								
Supply, total	282,350	510,518	508,347	527,345	545,252	593,724	631,524	619,510
Stock, Jan. 1	11,206	20,095	36,793	16,890	27,888	20,754	13,080	26,937
Produced	269,184	489,519	463,377	510,434	517,339	572,946	618,422	592,516
Imported	1,960	904	8,177	21	25	24	22	57
Deductions:								
Exports, total	13,234	131,410	114,267	52,943	76,241	80,547	47,561	49,617
Stock, Dec. 31	23,232	14,253	71,037	27,888	20,754	13,080	26,937	53,522
Apparent domestic consumption	245,884	364,855	323,043	446,514	448,257	500,097	557,026	516,371

[1] Total mine production figures and data for some States are preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 715.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons; values [1] in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875	15,833	[2] 2,217	1921–1925	426,261	56,149	1920	450,045	72,907
1880 [3]	23,239	2,277	1911	271,621	30,965	1921	198,232	19,823
1885	40,688	3,540	1912	323,907	44,699	1922	353,274	40,273
1886–1890	54,285	5,219	1913	337,252	37,772	1923	508,335	69,134
1891–1895	82,396	6,787	1914	343,418	35,029	1924	515,831	67,058
1896–1900	109,963	10,180	1915	458,135	113,617	1925	555,631	84,456
1901–1905	169,504	17,067	1916	564,338	151,243	1926	611,991	91,799
1906–1910	219,378	24,165	1917	584,597	119,258	1927	576,960	73,966
1911–1915	346,867	52,416	1918	492,405	89,618			
1916–1920	508,731	99,812	1919	452,272	66,032			

[1] Values at New York prices up to and including 1907; at St. Louis prices, 1908 to 1914; at average price all grades, 1915 and later years.
[2] Computed at yearly average of high and low monthly prices at New York.
[3] Census year ended May 31.

Source: Bureau of Mines, Department of Commerce.

No. 716.—GOLD AND SILVER: PRODUCTION FROM MINES IN THE UNITED STATES (INCLUDING ALASKA AND PHILIPPINE ISLANDS)

[NOTE.—The value of gold, in terms of money, being unchanging at $20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923) which at times has differed materially from coinage value]

[Figures are totals for period or for year]

Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars	Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792-1847	1,187	310	405	1896	2,568	58,835	39,655
1848-1850	4,838	116	152	1897	2,775	53,860	32,316
1851-1855	14,271	194	259	1898	3,118	54,438	32,118
1856-1860	12,384	309	418	1899	3,437	54,765	32,859
1861-1865	10,716	28,811	38,674	1900	3,830	57,647	35,741
1866-1870	12,226	49,113	65,261	1901	3,806	55,214	33,128
1871-1875	8,826	121,083	156,270	1902	3,870	55,509	29,415
1876-1880	10,301	157,681	182,506	1903	3,560	54,300	29,322
1881-1885	7,730	182,841	202,807	1904	3,892	57,683	33,436
1886-1890	8,078	231,819	227,495	1905	4,266	56,102	34,222
1891-1895	9,107	287,057	227,960				
1896-1900	15,729	279,544	172,689	1906	4,565	56,518	38,256
1901-1905	19,394	278,798	159,543	1907	4,375	56,515	37,360
1906-1910	22,993	277,333	162,916	1908	4,574	52,441	28,051
1911-1915	22,968	338,384	189,626	1909	4,822	54,722	28,455
1916-1920	17,246	326,009	298,852	1910	4,657	57,138	30,855
1921-1925	12,194	313,757	258,862				
				1911	4,687	60,399	32,616
				1912	4,521	63,767	39,198
1881	1,679	33,258	37,658	1913	4,300	66,802	40,348
1882	1,572	36,197	41,106	1914	4,573	72,455	40,668
1883	1,451	35,733	39,618	1915	4,888	74,961	37,397
1884	1,490	37,744	41,921				
1885	1,538	39,909	42,504	1916	4,479	74,415	48,953
				1917	4,051	71,740	59,073
1886	1,637	39,694	39,482	1918	3,321	67,810	66,435
1887	1,603	41,722	40,887	1919	2,919	56,682	63,534
1888	1,604	45,793	43,045	1920	2,476	55,362	60,862
1889	1,595	50,095	46,838				
1890	1,589	54,516	57,242	1921	2,422	53,052	[1] 53,052
				1922	2,363	56,240	[1] 56,240
1891	1,605	58,330	57,630	1923	2,503	73,335	[1] 60,135
1892	1,597	63,500	55,663	1924	2,529	65,407	43,823
1893	1,739	60,000	46,800	1925	2,412	66,155	45,912
1894	1,911	49,500	31,422	1926	2,335	62,719	39,136
1895	2,255	55,727	36,446	1927	2,197	60,434	34,266

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1927, 1,000 dollars
	1910	1920	1925	1926	1927	1910	1920	1925	1926	1927	
Total	4,657	2,476	2,412	2,335	2,197	57,138	55,362	66,155	62,719	60,434	34,266
Alaska	787	413	301	325	286	154	822	766	707	606	344
Arizona	165	240	204	232	203	2,656	5,432	7,371	7,517	6,601	3,743
California	989	716	642	582	565	1,792	1,655	3,240	1,978	1,558	883
Colorado	993	363	357	346	259	8,523	5,167	4,435	5,038	3,941	2,235
Idaho	50	23	20	13	15	7,027	7,365	7,663	7,564	8,929	5,063
Michigan	------	------	------	------	------	262	512	136	107	52	29
Montana	180	92	84	58	56	12,283	13,263	12,597	11,974	11,810	6,696
Nevada	913	175	180	171	149	12,366	7,482	6,847	6,450	5,373	3,046
New Mexico	23	22	30	20	26	779	700	800	497	755	428
Oregon	33	50	19	13	14	44	102	35	29	42	24
South Dakota	260	210	288	287	323	121	88	98	83	95	54
Texas	(2)	(2)	------	(2)	(2)	364	523	555	464	943	535
Utah	209	103	181	82	200	10,446	11,755	21,241	19,936	19,354	10,974
Washington	39	7	11	9	19	205	178	166	156	162	92
Philippine Islands	7	62	92	96	80	2	22	49	46	40	23
Other	8	(2)	3	1	1	115	296	156	174	174	99

[1] For 1921, 1922, and first half of 1923 price is taken at the figure of $1 per ounce fixed by the Pittman Act.
[2] Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

No. 717.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold, in thousands of dollars					Silver, in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin [1]	Bullion and foreign coin	Total			United States coin [1]	Bullion and foreign coin	Total		
1880	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881-1885	3,715	6,991	10,706	1,863	12,568	155	3,685	3,840	315	4,155
1886-1890	3,500	8,512	12,012	4,029	16,041	155	4,831	4,986	676	5,662
1891-1895	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896-1900	3,500	9,398	12,898	4,067	16,965	77	8,937	9,014	1,200	10,214
1901-1905	3,500	18,218	21,718	6,778	28,496	77	16,447	16,524	3,002	19,526
1906-1910	3,500	26,941	30,441	7,708	38,149	77	20,807	20,884	3,669	24,553
1911-1915	3,500	31,198	34,698	8,106	42,803	77	23,438	23,516	6,928	30,444
1916-1920	3,500	40,292	43,792	19,026	62,818	77	22,011	22,089	9,126	31,214
1921-1925	3,500	31,192	34,692	27,631	62,323	77	28,538	28,616	8,189	36,805
1918	3,500	29,392	32,892	19,517	52,410	77	26,645	26,722	9,530	36,253
1919	3,500	52,636	56,136	19,354	75,490	77	26,160	26,238	6,463	32,701
1920	3,500	50,510	54,010	28,205	82,215	77	19,203	19,280	8,694	27,975
1921	3,500	19,550	23,050	27,624	50,674	77	28,766	28,844	7,024	35,868
1922	3,500	32,822	36,322	23,484	59,806	77	31,209	31,287	6,624	37,910
1923	3,500	36,513	40,013	29,279	69,292	77	28,278	28,355	8,470	36,825
1924	3,500	34,413	37,913	27,975	65,888	77	24,587	24,664	8,931	33,595
1925	3,500	32,662	36,162	29,792	65,954	77	29,852	29,929	9,897	39,827
1926	3,500	39,768	43,268	31,065	74,334	77	29,330	29,408	10,001	39,408

[1] Estimated.

No. 718.—SILVER: Price, and Value of Silver in the Dollar

[Note.—The London price represents the equivalent in American money at par of exchange, converted to the basis of the ounce 1,000 fine. The commercial ratio and the value of silver (371¼ grains) in the dollar are computed from this London price to and including 1917, but up to that time the New York and London quotations were close together, the departure since being due to the depreciation of the pound sterling; for 1918 to 1924, inclusive, these computations are based on the New York average price. Beginning 1925 the ratio reverts again to the London price]

Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar	Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar
		Average	High	Low					Average	High	Low		
1835	1.308				15.80		1899	0.602	0.605	0.648	0.586	34.36	0.465
1840	1.323				15.62	1.023	1900	.620	.621	.658	.598	33.33	.480
1845	1.298				15.92	1.004	1901	.596	.597	.645	.548	34.68	.461
1850	1.316				15.70	1.018	1902	.528	.528	.569	.474	39.15	.408
1855	1.344				15.88	1.039	1903	.543	.542	.624	.475	38.10	.420
1860	1.352				15.29	1.045	1904	.579	.578	.625	.534	35.70	.448
1865	1.338				15.44	1.035	1905	.610	.610	.665	.556	33.87	.472
1870	1.328				15.57	1.027	1906	677	.674	.724	.631	30.54	.524
1875	1.242	1.239	1.261	1.210	16.64	.961	1907	.662	.660	.710	.528	31.24	.512
1880	1.145	1.139	1.150	1.113	18.05	.886	1908	.535	.535	.589	.483	38.64	.414
1881	1.132	1.128	1.145	1.110	18.25	.876	1909	.520	.522	.545	.508	39.74	.402
1882	1.136	1.139	1.150	1.090	18.20	.878	1910	.541	.542	.576	.508	38.22	.418
1883	1.109	1.087	1.118	1.095	18.64	.858	1911	.539	.540	.575	.521	38.33	.417
1884	1.111	1.112	1.133	1.080	18.61	.859	1912	.615	.620	.656	.553	33.62	.475
1885	1.065	1.064	1.095	1.028	19.41	.824	1913	.605	.612	.651	.580	34.19	.468
1886	.995	.999	1.035	.925	20.78	.769	1914	.553	.563	.609	.490	37.37	.428
1887	.979	.979	1.035	.950	21.10	.758	1915	.519	.511	.580	.478	39.84	.401
1888	.940	.943	.978	.920	22.00	.727	1916	.686	.672	.791	.573	30.11	.531
1889	.935	.936	.973	.925	22.10	.723	1917	.895	.840	1.165	.731	23.09	.692
1890	1.046	1.053	1.205	.958	19.75	.809	1918	1.042	.984	1.025	.894	21.00	.761
1891	.988	.990	1.075	.948	20.92	.704	1919	1.250	1.121	1.388	1.018	18.44	.867
1892	.871	.876	.953	.830	23.72	.674	1920	1.346	1.019	1.368	.608	20.27	.788
1893	.780	.782	.850	.650	26.49	.604	1921	.805	.631	.738	.532	32.75	.488
1894	.635	.640	.700	.595	32.56	.491	1922	.754	.679	.742	.629	30.43	.525
1895	.654	.663	.690	.600	31.60	.506	1923	.700	.652	.690	.629	31.69	.505
1896	.676	.682	.703	.656	30.59	.523	1924	.745	.671	.724	.630	30.80	.519
1897	.604	.608	.661	.528	34.20	.467	1925	.703	.694	.732	.668	29.38	.537
1898	.590	.591	.623	.551	35.03	.456	1926	.629	.624	.689	.518	32.88	.483

Source: Tables 717 and 718: Annual Reports of the Director of the Mint, Treasury Department.

No. 719.—COAL PRODUCTION: QUANTITY AND VALUE

[NOTE.—Quantities in thousands of short tons; values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines]

Year or yearly average	Quantity			Year	Quantity			Value	
	Total	Anthracite	Bituminous		Total	Anthracite	Bituminous	Anthracite	Bituminous
1821-1830	140	66	75	1906	414,157	71,282	342,875	131,918	381,162
1831-1840	1,032	722	310	1907	480,363	85,604	394,759	163,584	451,215
1841-1850	4,535	2,697	1,837	1908	415,843	83,269	332,574	158,179	374,135
1851-1860	12,513	7,645	4,868	1909	460,815	81,070	379,744	149,182	405,487
1861-1865	20,538	11,142	9,396	1910	501,596	84,485	417,111	160,275	469,282
1866-1870	31,706	16,281	15,425	1911	496,371	90,464	405,907	175,189	451,376
1871-1875	52,179	23,407	28,773	1912	534,467	84,362	450,105	177,623	517,983
1876-1880	62,261	25,800	36,461	1913	569,960	91,525	478,435	195,181	565,235
1881-1885	107,291	36,198	71,093	1914	513,525	90,822	422,704	188,181	493,309
1886-1890	138,398	43,952	94,446	1915	531,619	88,995	442,624	184,653	502,038
1891-1895	178,822	53,405	125,416	1916	590,098	87,578	502,520	202,010	665,116
1896-1900	227,123	55,625	171,498	1917	651,402	99,612	551,791	283,651	1,249,273
1901-1905	339,357	66,854	272,503	1918	678,212	98,826	579,386	336,480	1,491,810
1906-1910	454,555	81,142	373,413	1919 [1]	553,952	88,092	465,860	304,927	1,160,616
1911-1915	529,189	89,233	439,955	1920	658,265	89,598	568,667	434,252	2,129,933
1916-1920	626,386	92,741	533,645	1921 [1]	506,395	90,473	415,922	452,305	1,199,984
1921-1925	558,947	77,648	481,299	1922	476,951	54,683	422,268	273,700	1,274,820
1901	293,300	67,472	225,828	1923	657,904	93,339	564,565	506,787	1,514,621
1902	301,590	41,374	260,217	1924 [1]	571,613	87,927	483,687	477,231	1,062,626
1903	357,356	74,607	282,749	1925 [1]	581,870	61,817	520,053	327,665	1,060,402
1904	351,816	73,157	278,660	1926 [1]	657,804	84,437	573,367	474,164	1,183,412
1905	392,723	77,660	315,063	1927 [2]	600,456	80,652	519,804	430,000	1,040,000

State	1880	1890	1900	1911-1915	1916-1920	1921-1925	1925 [1]	1926 [1]	1927 [2]
Total quantity	71,482	157,771	269,684	529,189	626,386	558,947	581,870	657,804	600,456
Anthracite (Pa.)	28,650	46,469	57,368	89,233	92,741	77,648	61,817	84,837	80,652
Bituminous	42,831	111,302	212,316	439,956	533,645	481,299	520,053	573,367	519,804
Alabama	324	4,090	8,394	15,864	17,834	18,097	20,004	21,091	18,400
Arkansas	15	400	1,448	1,986	1,980	1,261	1,220	1,459	2,079
Colorado	463	3,077	5,244	9,433	11,595	10,049	10,311	10,637	9,693
Illinois	6,115	15,292	25,768	58,320	78,255	68,523	66,909	69,367	45,408
Indiana	1,454	3,306	6,484	16,060	25,515	21,677	21,225	23,186	17,699
Iowa	1,461	4,022	5,203	7,442	7,571	4,952	4,715	4,625	2,526
Kansas	771	2,260	4,468	6,811	6,556	3,827	4,524	4,416	2,517
Kentucky	946	2,701	5,329	18,380	30,108	43,743	55,069	62,924	72,626
Maryland	2,229	3,358	4,025	4,549	4,158	2,033	2,695	3,078	2,890
Michigan	101	75	849	1,271	1,301	976	808	687	749
Missouri	844	2,735	3,540	4,048	5,086	3,011	2,694	3,008	2,741
Montana	(3)	517	1,662	2,972	4,008	2,881	3,044	2,798	3,205
New Mexico	--------	376	1,299	3,618	3,728	2,772	2,557	2,818	2,998
North Dakota	--------	30	130	506	787	1,221	1,325	1,370	1,485
Ohio	6,009	11,495	18,988	28,553	40,609	31,590	28,034	27,872	14,668
Oklahoma	121	869	1,922	3,720	4,292	2,741	2,326	2,843	3,125
Pennsylvania	18,425	42,302	79,842	157,229	168,532	133,721	136,928	153,042	131,007
Tennessee	495	2,170	3,510	6,288	6,208	5,078	5,454	5,789	5,256
Texas	--------	184	968	2,201	1,980	1,084	1,008	1,091	1,134
Utah	15	318	1,147	2,999	4,593	4,593	4,690	4,374	4,869
Virginia	43	784	2,394	7,924	10,158	10,648	12,800	14,133	13,366
Washington	145	1,264	2,474	3,261	3,576	2,626	2,538	2,587	2,381
West Virginia	1,830	7,395	22,647	69,353	86,369	97,044	122,381	143,509	151,680
Wyoming	590	1,870	4,015	6,907	8,555	6,812	6,553	6,512	7,085
Miscellaneous	435	412	565	259	190	239	241	239	217

[1] Exclusive of product of wagon mines. [2] Preliminary. [3] Less than 500 tons.

Source: Bureau of Mines, Department of Commerce.

No. 720.—COAL: Exports, Imports, and Bunker Coal Laden on Vessels in Foreign Trade

[Quantities in thousands of long tons; values in thousands of dollars]

Yearly average or year	Total exports [1]		Anthracite exports		Bituminous exports [1]		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891–1895 [2]	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984	--------	--------
1896–1900 [2]	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	--------	--------
1901–1905 [2]	7,750	24,254	1,846	3,782	5,903	15,472	2,287	6,376	--------	--------
1906 [2]	9,126	28,216	1,970	9,722	7,156	18,494	1,857	4,481	[3] 5,110	[3] 16,111
1907 [2]	11,294	34,728	2,482	12,155	8,812	22,573	1,713	4,263	[3] 4,460	[3] 14,179
1908 [2]	12,723	39,356	2,838	13,837	9,885	25,518	2,006	5,231	[3] 5,887	[3] 19,979
1909 [2]	11,889	37,317	2,870	14,275	9,019	23,041	1,232	3,519	6,004	19,672
1910	13,806	41,471	3,022	14,785	10,784	26,685	1,992	5,381	[2] 6,336	[2] 20,350
1911	17,433	52,593	3,554	18,093	13,879	34,500	1,241	3,623	[2] 6,507	[2] 20,974
1912	18,149	56.243	3,689	19,425	14.460	36,818	1,610	4,518	[2] 7,092	[2] 22,804
1913	22,141	67,410	4,154	21,960	17,987	45,450	1,415	3,863	[2] 7,350	[2] 23,690
1914	17,632	54,316	3,830	20,211	13,802	34,105	1,395	3,928	[2] 7,812	[2] 25,571
1915	20,305	61,246	3,540	18,429	16,765	42,817	1,524	4,413	[2] 7,063	[2] 23,684
1916	23,143	68,298	4,166	22,470	18,977	45,828	1,536	4,734	7,826	27,492
1917	26,649	110,413	5,364	30,910	21,285	79,503	1,304	4,842	6,883	31,845
1918	24,392	107,881	4,436	29,216	19,956	78,665	1,334	6,898	5,532	29,868
1919	22,402	120,377	4,443	36,668	17,959	83,709	977	5,473	7,343	48,206
1920	39,215	349,811	4,825	45,538	34,390	304,273	1,140	6,992	9,362	82,462
1921	24,829	168,222	4,176	45,625	20,653	122,597	1,131	7,457	7,548	52,278
1922	13,449	91,242	2,366	25,351	11,083	65,892	4,726	28,250	4,120	27,913
1923	23,700	154,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,068	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,761	15,591	68,403	879	5,846	4,344	23,398
1926	35,091	196,905	3,598	41,086	31,493	155,819	1,201	9,301	6,907	38,025
1927	19,051	104,257	2,969	32,928	16,082	71,329	5,917	3,284	4,076	22,077

[1] Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.
[2] Fiscal years ended June 30.
[3] Figures do not include coal laden on vessels on the Great Lakes.

No. 721.—COAL: Shipments, Average Value per Ton, and Men Employed

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Men employed	Days worked	Average tonnage per man—		Per cent mined by machine	Calculated capacity, at 280 days (million net tons)
	Loaded for shipment	Sold locally	Used by mines	Made into coke at mines				Per day	Per year		
ANTHRACITE											
1890	41,011	2,001	3,457	--------	$1.43	126,000	200	1.85	369	(1)	(1)
1895	52,093	1,315	4,591	--------	1.41	142,917	196	2.07	406	(1)	(1)
1900	50,710	1,208	5,550	--------	1.49	144,206	166	2.40	398	(1)	(1)
1905	69,053	1,571	7,036	--------	1.83	165,406	215	2.18	470	(1)	(1)
1910	73,623	2,021	8,841	--------	1.90	169,497	229	2.17	498	(1)	(1)
1915	76,906	2,092	9,997	--------	2.07	176,552	230	2.19	504	1.5	(1)
1920	76,844	2,897	9,858	--------	4.85	145,074	271	2.28	618	1.1	(1)
1921	77,901	2,813	9,760	--------	5.00	159,499	271	2.09	567	1.1	(1)
1922	46,003	2,378	6,302	--------	5.01	156,849	151	2.31	349	1.0	(1)
1923	82,239	3,248	7,852	--------	5.43	157,743	268	2.21	592	1.4	(1)
1924	77,247	3,044	7,635	--------	5.43	160,009	274	2.00	550	1.7	(1)
1925	53,768	2,885	5,164	--------	5.30	160,312	182	2.12	386	1.6	(1)
1926	75,319	2,687	6,431	--------	5.62	165,386	244	2.09	511	1.1	(1)
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579	[2] 5.3	137
1895	106,287	8,340	2,086	18,404	.86	239,962	194	2.90	563	[3] 11.9	196
1900	173,072	7,868	3,740	27,635	1.04	304,375	234	2.98	697	24.9	255
1905	255,201	10,639	7,007	42,412	1.06	460,629	211	3.24	684	32.8	417
1910	342,969	12,287	9,668	52,187	1.12	555,533	217	3.46	751	41.7	538
1915	379,877	12,354	9,799	40,595	1.13	557,456	203	3.91	794	55.0	610
1920	504,873	21,289	11,896	30,608	3.75	639,547	220	4.00	881	59.8	725
1921	382,064	16,136	9,123	8,599	2.89	663,754	149	4.20	627	65.6	781
1922	383,677	17,506	7,831	13,253	3.02	687,958	142	4.28	609	63.2	832
1923	505,600	21,933	8,765	27,859	2.68	702,817	179	4.47	801	66.9	885
1924	441,566	21,111	6,618	14,392	2.20	619,604	171	4.56	780	69.5	792
1925	477,173	21,351	5,776	15,753	2.04	588,493	195	4.52	884	70.6	748
1926	526,286	23,602	5,728	17,751	2.06	593,647	215	4.50	966	71.7	747

[1] Not available. [2] 1891. [3] 1896.

Sources: Table 720, Bureau of Foreign and Domestic Commerce; Table 721, Bureau of Mines, Department of Commerce.

No. 722.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Working days lost	Average days lost per man	Year	Men on strike	Working days lost	Average days lost per man
1907[1]	32,540	462,392	14	1917	160,240	2,348,399	15
1908[1]	145,145	5,449,938	38	1918	79,395	508,526	6
1909	24,763	723,634	29	1919	453,418	15,761,410	35
1910	218,493	19,250,524	88	1920	282,419	5,914,473	21
1911	41,413	983,737	24	1921	151,263	3,106,103	21
1912	311,056	12,527,305	40	1922	603,031	73,497,043	122
1913	135,395	3,049,412	23	1923	197,214	3,868,543	20
1914	161,720	11,013,667	68	1924	129,452	5,362,748	41
1915	67,190	2,467,431	37	1925	186,369	16,433,036	88
1916	170,633	3,344,586	20	1926	174,724	6,707,778	38

State	1923		1924		1925		1926	
	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost
Grand total	197,214	3,868,543	129,452	5,362,748	186,369	16,433,036	174,724	6,707,778
Anthracite (Pa.)	135,585	2,629,418	71,273	1,143,630	147,928	15,269,506	145,376	5,990,477
Total bituminous	61,629	1,239,125	58,179	4,219,118	38,441	1,163,530	29,348	717,301
Arkansas	324	9,009	1,076	29,272	560	41,928	205	1,635
Colorado			120	840	595	6,943		
Illinois	7,474	95,458	4,217	50,101	4,870	25,180	987	12,609
Indiana	10,765	104,604	7,699	159,743	7,919	96,963	10,450	179,375
Iowa	1,946	19,874	986	16,445	1,267	3,740	932	19,510
Kansas	949	24,741	2,706	118,918	530	8,089	118	1,560
Kentucky	2,699	92,035	3,938	1,735,739	1,954	162,534	688	13,170
Maryland	2,686	359,920	168	504			603	3,289
Michigan	786	3,992	425	1,525	725	5,575	225	225
Missouri	312	10,857	1,580	76,660	110	1,287	64	760
Montana	25	25	17	53			225	450
North Dakota	85	6,933						
Ohio	16,486	203,161	10,256	217,752	6,572	170,208	6,857	85,118
Oklahoma	1,020	8,211	1,318	144,607	352	16,773	20	20
Pennsylvania[1]	10,984	157,130	8,793	361,226	7,414	234,389	4,922	272,918
Tennessee	572	24,766	2,134	244,945	250	2,350	300	300
Texas	137	18,141			87	261		
Utah			58	310	280	10,920		
Washington	1,754	50,681						
West Virginia	2,625	49,587	7,688	1,060,478	4,956	376,399	2,692	126,242
Other States							60	120

[1] Bituminous mines only.

Source: Bureau of Mines, Department of Commerce.

No. 723.—COAL: Average and Relative Retail Prices[1] in Ton Lots

Year	Anthracite—Chestnut				Anthracite—Stove				Bituminous			
	Average price		Relative price		Average price		Relative price		Average price		Relative price	
	Dollars				*Dollars*				*Dollars*			
1913[2]	7.91		100		7.73		100		5.43		100	
	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July
1916	8.13	8.28	103	105	7.93	8.12	103	105	5.69	5.52	105	102
1917	9.40	9.16	119	116	9.29	9.08	120	118	6.96	7.21	128	133
1918	10.03	10.07	127	127	9.88	9.96	128	129	7.68	7.92	141	146
1919	11.61	12.17	147	154	11.51	12.14	149	157	7.90	8.10	145	149
1920	12.77	14.33	161	181	12.59	14.28	163	185	8.81	10.55	162	194
1921	16.13	14.95	204	189	15.99	14.90	207	193	11.82	10.47	218	193
1922	15.02	14.92	190	189	14.98	14.87	194	192	9.89	9.49	182	175
1923	15.46	15.05	195	190	15.43	15.10	200	196	11.18	10.04	206	185
1924	15.76	15.10	199	191	15.77	15.24	204	197	9.75	8.94	180	165
1925	15.37	14.93	194	189	15.45	15.14	200	196	9.24	8.61	170	159
1926	(3)	15.19	(3)	192	(3)	15.43	(3)	200	9.74	8.70	179	160
1927	15.42	14.81	195	187	15.66	15.15	203	196	9.96	8.91	183	164
1928	15.08		191		15.44		200		9.30		171	

[1] Prices represent combined averages for cities shown in Table 724.
[2] Average of prices for January and July, 1913. This is used as a base in working relative prices.
[3] Insufficient data.

Source: Bureau of Labor Statistics, Department of Labor.

No. 724.—COAL: Retail Prices, for Household Use, as of January 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite,[1] chestnut					Bituminous				
	1924	1925	1926	1927	1928	1924	1925	1926	1927	1928
Atlanta, Ga.						8.13	7.32	8.47	8.67	7.93
Baltimore, Md.	[2] 16.50	[2] 15.75	(3)	[2] 15.50	[2] 15.25	7.90	7.38	8.00	8.32	8.07
Birmingham, Ala.						8.23	7.79	7.62	8.09	7.72
Boston, Mass.	16.00	16.00	(3)	16.25	16.00					
Bridgeport, Conn.	16.50	15.38	(3)	16.00	14.88					
Buffalo, N. Y.	13.66	13.56	(3)	13.37	13.61					
Butte, Mont.						11.42	11.05	11.04	11.02	10.89
Charleston, S. C.	[2] 17.10	[2] 17.10				12.00	11.00	11.00	11.00	11.00
Chicago, Ill.	17.00	16.70	(3)	16.80	16.46	8.69	8.51	9.48	9.85	9.21
Cincinnati, Ohio						8.09	7.21	7.77	7.89	7.08
Cleveland, Ohio	*15.47*	*14.88*	*(3)*	*15.05*	*14.80*	*8.47*	*8.37*	*9.47*	*9.73*	*9.00*
Columbus, Ohio						7.25	6.68	7.69	7.75	7.21
Dallas, Tex.	[4] 17.58	[4] 17.75	(3)	[4] 16.00	[4] 15.75	14.68	14.22	13.83	13.22	12.70
Denver, Colo.	[5] 16.75	[5] 16.33	(3)	[5] 16.00	[5] 16.00	10.72	9.47	10.68	10.73	10.50
Detroit, Mich.	16.13	15.38	(3)	15.75	15.50	9.48	8.93	10.59	10.34	9.31
Fall River, Mass.	15.92	15.83	(3)	16.25	16.25					
Houston, Tex.						13.17	12.38	12.75	13.50	12.80
Indianapolis, Ind.	16.50	16.50				7.10	7.15	7.53	7.67	7.27
Jacksonville, Fla.						13.00	12.00	14.00	14.00	14.00
Kansas City, Mo.	[4] 16.29	[4] 15.17	(3)	[4] 14.50	[4] 14.10	8.50	8.13	7.98	7.81	7.50
Little Rock, Ark.	[4] 15.00	[4] 15.00	(3)	[4] 14.00	[4] 13.50	11.57	11.00	11.27	10.80	10.60
Los Angeles, Calif.						15.70	16.31	15.94	16.50	16.50
Louisville, Ky.						8.70	7.37	7.43	8.42	7.46
Manchester, N. H.	17.50	17.00	(3)	17.50	17.25					
Memphis, Tenn.						8.00	8.11	7.84	8.80	8.33
Milwaukee, Wis.	16.59	16.65	(3)	16.65	16.20	10.19	9.69	11.42	11.32	9.48
Minneapolis, Minn.	18.08	17.95	(3)	17.75	17.70	11.51	10.92	11.35	11.75	11.72
Mobile, Ala.						11.07	10.02	9.62	10.12	9.54
Newark, N. J.	13.45	13.43	(3)	13.50	13.50					
New Haven, Conn.	16.00	15.20	(3)	15.40	15.10					
New Orleans, La.	21.75					11.36	11.19	11.14	11.29	11.29
New York, N. Y.	14.50	14.33	(3)	14.50	14.42					
Norfolk, Va.	16.00	15.50	(3)	16.00	15.00	8.83	9.27	10.52	9.68	9.05
Omaha, Nebr.						10.17	10.04	10.33	10.19	10.26
Peoria, Ill.						6.37	6.79	7.11	7.29	7.10
Philadelphia, Pa.	[2] 15.75	[2] 15.32	(3)	[2] 15.54	[2] 14.43					
Pittsburgh, Pa.	[2] 17.00	16.50	(3)	15.88	14.88	7.25	6.83	6.13	6.24	5.65
Portland, Me.	16.56	16.56	(3)	16.80	16.80					
Portland, Oreg.						13.89	13.64	13.24	13.34	13.32
Providence, R. I.	*[6] 16.35*	*[6] 16.00*	*(3)*	*[6] 16.50*	*[6] 16.00*					
Richmond, Va.	16.50	15.50	(3)	16.50	15.50	11.36	8.83	11.39	11.66	9.70
Rochester, N. Y.	14.10	14.15	(3)	14.15	14.15					
St. Louis, Mo.	17.38	16.88	(3)	17.20	16.45	7.22	6.69	6.62	7.50	7.02
St. Paul, Minn.	18.09	17.95	(3)	17.75	17.70	11.59	11.57	11.66	12.16	11.98
Salt Lake City, Utah	[5] 17.50	[5] 18.50	(3)	[5] 18.00	[5] 18.00	8.50	8.40	8.43	8.47	8.34
San Francisco, Calif.	[7] 26.50	[7] 26.50	(3)	[7] 26.50	[7] 26.50	17.22	17.28	17.06	17.11	17.25
Savannah, Ga.	[8] 17.05	[8] 17.00				[8] 12.12	[8] 11.50	[8] 12.75	[8] 13.25	[8] 11.13
Scranton, Pa.	10.53	10.62	(3)	10.67	10.50					
Seattle, Wash.						[9] 10.24	10.21	9.96	10.47	10.18
Springfield, Ill.						4.50	4.25	4.38	4.38	4.44
Washington, D. C.[10]	[2] 16.24	[2] 15.67	(3)	[2] 15.54	[2] 15.01	[2] 9.04	[2] 8.88	[2] 9.88	[2] 9.75	[2] 8.75

[1] The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.
[2] *Per ton of 2,240 pounds.*
[3] Insufficient data.
[4] Arkansas anthracite, egg, or furnace.
[5] Colorado anthracite, furnace, 1 and 2 mixed.
[6] 50 cents per ton additional is charged for binning.
[7] New Mexico anthracite.
[8] All coal sold is weighed by the city; charge of 10 cents per ton is included in the price.
[9] Price in Zone A. The cartage charges range from $1.25 to $2.25 and are included in the price.
[10] Bituminous prices for 1925 and later years are for "Prepared sizes high volatile."

Source: Bureau of Labor Statistics, Department of Labor.

No. 725.—COKE: Production, Exports, and Imports

Yearly average or year	Production in thousands of tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports[1]
	Total	Beehive ovens	By-product ovens			Thousand of short tons	
1896–1900	16,265	15,741	524	3.2	30,293	249	54
1901–1905	25,673	23,566	2,107	8.2	58,581	517	150
1906–1910	36,848	31,296	5,552	15.1	91,068	904	159
1911–1915	40,394	29,000	11,394	28.2	103,739	897	98
1916–1920	52,429	27,733	24,696	47.1	320,799	1,182	34
1921–1925	42,985	11,026	31,959	74.4	251,967	734	99
1914	34,556	23,336	11,220	32.5	88,334	664	133
1915	41,581	27,508	14,073	33.8	105,504	896	53
1916	54,534	35,464	19,069	35.0	170,841	1,175	55
1917	55,607	33,168	22,439	40.4	298,243	1,409	25
1918	56,478	30,481	25,998	46.0	382,324	1,688	30
1919	44,181	19,043	25,138	56.9	258,340	717	16
1920	51,345	20,511	30,834	60.0	475,981	920	41
1921	25,288	5,538	19,750	78.1	147,673	307	31
1922	37,124	8,573	28,551	76.9	238,313	512	94
1923	56,978	19,380	37,598	66.0	373,497	1,237	85
1924	44,270	10,286	33,984	76.8	244,042	660	83
1925	51,267	11,355	39,912	77.9	262,559	954	202
1926	56,866	12,489	44,377	78.0	307,773	987	285
1927[2]	50,925	7,004	43,921	86.2	(3)	807	169

[1] Imports entered for consumption, prior to 1925.
[2] Preliminary.
[3] Not available.
Source: Bureau of Mines, Department of Commerce.

No. 726.—COKE: By-Product and Beehive Production, by States

[Figures in thousands of tons of 2,000 pounds]

	1915	1920	1921	1922	1923	1924	1925	1926	1927[1]
BY-PRODUCT									
Total	14,073	30,834	19,750	28,551	37,598	33,984	39,912	44,377	43,921
Alabama	2,070	3,124	2,401	3,494	4,385	4,386	4,582	4,780	4,330
Colorado	-------	517	287	365	448	523	490	593	593
Illinois	1,687	2,137	1,322	1,983	3,187	2,355	3,012	3,337	2,936
Indiana	2,768	4,554	3,091	3,996	5,043	4,272	5,142	5,990	5,499
Kentucky	242	467	185	457	434	-------	-------	-------	(2)
Maryland	313	682	292	590	862	810	1,019	1,121	1,077
Massachusetts	504	488	294	407	554	398	535	574	799
Michigan	(2)	1,393	777	1,142	1,649	1,771	1,751	1,827	1,923
Minnesota	128	675	436	462	696	515	518	620	633
New Jersey	269	726	740	791	893	869	904	913	911
New York	684	1,040	747	1,495	1,784	1,601	2,220	2,828	3,523
Ohio	666	5,615	2,966	4,912	6,324	5,723	7,105	7,548	7,129
Pennsylvania	3,092	7,730	5,303	7,152	9,186	8,426	9,853	11,200	11,329
West Virginia	141	447	188	502	941	999	1,056	1,130	1,401
All other States	1,507	1,239	719	804	1,208	1,335	1,725	1,916	1,788
BEEHIVE									
Total	27,508	20,511	5,538	8,573	19,380	10,286	11,355	12,489	7,004
Pennsylvania	22,531	15,908	4,466	6,840	16,439	8,501	9,574	10,722	5,477
Ohio	19	87	62	99	150	110	156	85	
West Virginia	1,250	1,381	210	418	822	330	490	584	[3] 910
Alabama	1,001	890	133	306	269	155	88	(2)	[4] 256
Kentucky	285	273	99	31	126	79	(2)	148	
Tennessee	234	163	28	86	180	132	128	122	
Virginia	630	1,028	280	379	775	485	422	371	(3)
Colorado	671	273	81	119	200	212	155	197	[5] 193
Utah	(2)	(2)	(2)	172	233	160	146	122	[6] 168
All other States	887	509	178	123	188	123	196	138	-------

[1] Figures are preliminary.
[2] Included under "all other States."
[3] Virginia figures included in West Virginia.
[4] Including Georgia.
[5] Including New Mexico.
[6] Including Washington.
Source: Bureau of Mines, Department of Commerce.

No. 727.—MANUFACTURED GAS INDUSTRY: MATERIALS USED AND PRODUCTS

[NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains. Gas produced and consumed within the same establishments, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included]

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1914	1923	1925	1914	1923	1925
Materials used, total cost					76,779	191,120	178,423
Coal for gas making	Short ton	6,117			20,873		
Anthracite	Long ton		983	619			
Bituminous	Short ton		6,238	6,871			
Oil for gas making	Gallon	715,419	176,764	212,211	24,721		
Oil for enriching	do		697,470	679,378			
Gas purchased	M feet	28,351	90,611	64,569	8,883		
Products, total value					220,238	450,097	455,460
Commercial plants					218,481	443,503	
Municipal plants					1,757	6,594	
Gas, total	M feet	203,639	356,554	359,402	175,066	394,506	395,969
Coal gas	do	10,510	7,551	7,411	10,727	12,963	12,481
Carbureted water gas	do	90,018	117,317	112,186	74,517	134,744	136,624
Mixed coal and water gas	do	86,281	208,238	210,743	72,012	220,961	213,918
Oil gas	do	16,512	19,739	24,289	15,044	22,989	29,040
Other gas	do	318	3,710	4,774	2,766	2,850	3,904
Coke for sale	Ton	2,282	2,175	2,398	8,720	21,533	20,721
Tar for sale:							
Coal gas	Gallon	125,939	58,877	63,803	3,253	3,039	3,547
Water gas and oil gas	do		49,991	61,471		2,001	2,594
All other products					33,199	29,018	32,631

Source: Bureau of the Census, Department of Commerce.

No. 728.—AVERAGE NET PRICE OF MANUFACTURED GAS

[NOTE.—Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 730]

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1913	$0.95	100	Apr. 15, 1919	$1.04	110	Dec. 15, 1924	$1.24	131
Apr. 15, 1914	.94	99	Apr. 15, 1920	1.09	115	Dec. 15, 1925	1.23	130
Apr. 15, 1915	.93	98	May 15, 1921	1.32	139	Dec. 15, 1926	1.22	128
Apr. 15, 1916	.92	97	Mar. 15, 1922	1.29	136	Dec. 15, 1927	1.22	128
Apr. 15, 1917	.91	96	Mar. 15, 1923	1.25	132			
Apr. 15, 1918	0.95	100	Mar. 15, 1924	1.24	131			

Source: Bureau of Labor Statistics, Department of Labor.

No. 729.—PRODUCTION, PURCHASE, AND SALE OF GAS BY COMPANIES ENGAGED IN THE MANUFACTURED-GAS INDUSTRY

[In millions of cubic feet]

Year	Gas sold	Year	Gas sold	Year	Total gas produced and and purchased	Produced	Purchased		Gas sold
							Coke-oven gas	Natural gas	
1904	113,930	1912	178,229	1920	350,232	300,823	[1] 49,409		319,883
1905	112,444	1913	188,286	1921	360,392	295,162	37,393	27,837	326,959
1906	122,850	1914	198,839	1922	389,000	300,682	52,883	35,435	350,000
1907	132,012	1915	204,310	1923	418,000	313,718	65,872	38,410	384,722
1908	138,570	1916	231,381	1924	441,381	324,765	63,350	53,266	405,206
1909	143,118	1917	264,493	1925	457,100	324,400	76,600	56,100	421,406
1910	149,431	1918	271,593	1926	492,042	353,886	83,640	54,516	455,631
1911	159,101	1919	300,000	1927	508,322	354,456	91,270	62,596	471,000

[1] Includes all other processes not segregated.

Source: American Gas Association.

No. 730.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

[NOTE.—Prices are net per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation families using less than 3,000 cubic feet per month pay a somewhat higher rate than shown, while those consuming more than this amount pay a lower rate. The figures represent quite closely the actual monthly cost of gas per 1,000 cubic feet to the average wage-earner's family. Prices for natural gas and for manufactured and natural mixed gas are based on a family consumption of 5,000 cubic feet per month]

City	Apr. 15, 1913	Apr. 15, 1914	Apr. 15, 1915	Apr. 15, 1916	Apr. 15, 1917	Apr. 15, 1918	Apr. 15, 1919	Apr. 15, 1920	May 15, 1921	June 15, 1922	June 15, 1923	June 15, 1924	June 15, 1925	June 15, 1926	June 15, 1927	Dec. 15, 1927
	MANUFACTURED GAS															
Atlanta	$1.00	$1.00	$1.00	$1.00	$1.00	$1.00	$1.15	$1.15	$1.90	$1.65	$1.65	$1.55	$1.55	$1.55	$1.55	$1.55
Baltimore	.90	.80	.80	.75	.75	.75	.75	.75	.75	.92	.92	.85	.85	.85	.85	.85
Birmingham	1.00	.95	.95	.95	.95	.95	.95	.95	.88	.88	.80	.80	.80	.80	.80	.80
Boston	.81	.81	.80	.80	.80	.86	1.05	1.08	1.40	1.32	1.25	1.20	1.18	1.18	1.18	1.18
Bridgeport	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.47	1.50	1.50	1.45	1.45	1.45	1.45	1.45
Buffalo	1.00	1.00	1.00	1.00	1.00	1.00	1.45	1.45	1.45	1.45	-----	-----	-----	-----	-----	-----
Butte	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Charleston, S. C.	1.10	1.10	1.10	1.10	1.00	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Chicago	.80	.80	.80	.80	.80	.72	.90	.87	1.20	1.07	1.07	1.02	1.02	1.02	1.02	1.02
Cleveland	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80	1.25	1.25	1.25	1.25	1.25
Denver	.85	.80	.80	.80	.80	.85	.95	.95	.95	.95	.95	.95	.95	.95	.90	.90
Detroit	.75	.75	.75	.75	.75	.75	.79	.79	.85	.79	.79	.82	.82	.79	.79	.79
Fall River	.80	.80	.80	.80	.80	.95	.95	1.05	1.25	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Houston	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.09	1.09	1.09	1.09	1.09	1.05	-----	-----	-----
Indianapolis	.60	.55	.55	.55	.55	.55	.60	.60	.90	1.20	1.15	1.15	1.10	1.05	1.05	.95
Jacksonville	1.20	1.20	1.15	1.15	1.15	1.25	1.25	1.50	1.75	1.65	.165	1.97	1.97	1.97	1.92	1.92
Manchester	1.10	1.10	1.00	1.00	1.00	1.00	1.18	1.18	1.58	1.48	1.48	1.38	1.38	1.38	1.38	1.38
Memphis	1.00	1.00	1.00	1.00	.93	.93	.93	1.27	1.35	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Milwaukee	.75	.75	.75	.75	.75	.75	.75	.75	.90	.90	.86	.82	.82	.82	.82	.82
Minneapolis	.85	.80	.80	.77	.77	.77	.95	.95	1.28	1.02	1.05	1.01	.95	.97	.96	.94
Mobile	1.10	1.10	1.10	1.10	1.10	1.10	1.35	1.35	1.80	1.80	1.80	1.80	1.80	1.80	1.76	1.76
Newark	1.00	.90	.90	.90	.90	.97	.97	1.15	1.40	1.25	1.25	1.20	1.20	1.20	1.20	1.20
New Haven	.90	.90	.90	.90	.90	1.00	1.10	1.10	1.27	1.18	1.18	1.18	1.13	1.13	1.13	1.13
New Orleans	1.10	1.00	1.00	1.00	1.00	1.00	1.30	1.30	1.30	1.45	1.30	1.30	1.30	1.30	1.30	1.30
New York	.84	.84	.83	.83	.83	.83	.85	.87	1.40	1.31	1.23	1.23	1.23	1.23	1.24	1.24
Norfolk	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.60	1.40	1.40	1.40	1.40	1.40	1.33	1.33	1.33
Omaha	1.15	1.15	1.15	1.00	1.00	1.15	1.15	1.15	1.47	1.18	1.18	1.18	1.08	1.08	1.08	1.00
Peoria	.90	.90	.90	.90	.85	.85	.85	.85	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Philadelphia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Pittsburgh	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-----	-----	-----	-----	-----	-----	-----	-----	-----
Portland, Me.	1.10	1.00	1.00	1.00	1.00	1.00	1.40	1.40	1.85	1.65	1.55	1.55	1.55	1.50	1.42	1.42
Portland, Oreg.	.95	.95	.95	.95	.95	.95	.95	.95	1.38	1.25	1.16	1.16	1.16	1.19	1.17	1.17
Providence	.85	.85	.85	.85	.85	1.00	1.30	1.30	1.42	1.42	1.22	1.22	1.17	1.17	1.13	1.13
Richmond	.90	.90	.90	.80	.80	.80	1.00	1.00	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29
Rochester	.95	.95	.95	.95	.95	.95	.95	.95	1.18	1.10	1.05	1.00	1.00	1.00	1.00	1.00
St. Louis	.80	.80	.80	.80	.75	.75	.75	.85	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00
St. Paul	.95	.90	.90	.85	.85	.85	.85	.85	1.00	1.00	.85	.85	.85	.90	.90	.90
Salt Lake City	.87	.87	.87	.87	.87	.87	1.15	1.35	1.57	1.57	1.57	1.57	1.54	1.53	1.52	1.52
San Francisco	.75	.85	.85	.85	.85	.85	.95	.95	1.05	1.02	.92	1.00	1.05	.95	.95	.95
Savannah	-----	-----	-----	-----	-----	-----	-----	1.25	1.60	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Scranton	.95	.95	.95	.95	.95	1.15	1.30	1.30	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.40
Seattle	1.00	1.00	1.00	1.00	1.00	1.20	1.20	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Springfield, Ill.	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.40	1.40	1.35	1.35	1.35	1.25	1.25	1.25
Washington	.93	.93	.93	.93	.80	.90	.95	.95	1.25	1.05	1.05	1.00	1.00	1.00	1.00	1.00
	NATURAL GAS															
Buffalo	$0.30	$0.30	$0.30	$0.30	$0.30	$0.30	$0.35	$0.35	$0.35	$0.42	-----	-----	-----	-----	-----	-----
Cincinnati	.30	.30	.30	.30	.35	.35	.35	.35	.35	.50	$0.50	$0.50	$0.75	$0.75	$0.75	$0.75
Cleveland	.30	.30	.30	.30	.30	.30	.35	.35	.35	.40	.55	.55	.55	.60	.60	.60
Columbus	.30	.30	.30	.30	.30	.30	.30	.30	.30	.45	.45	.45	.55	.55	.48	.48
Dallas	.45	.45	.45	.45	.45	.45	.45	.45	.68	.68	.68	.68	.74	.74	.79	.79
Houston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.75	.75	.75
Kansas City	.27	.27	.27	.27	.30	.60	.80	.80	.90	.90	.95	.95	.95	.95	.95	.95
Little Rock	.40	.40	.40	.40	.40	.40	.45	.45	.45	.45	.45	.65	.65	.65	.65	.65
Los Angeles	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.91	.91
Louisville	-----	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
Pittsburgh	.28	.28	.28	.28	.28	.28	.35	.35	.45	.50	.50	.53	.60	.60	.60	.60
	MANUFACTURED AND NATURAL GAS MIXED															
Buffalo	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$0.62	$0.62	$0.60	$0.65	$0.65	$0.65
Los Angeles	-----	-----	$0.68	$0.68	$0.68	$0.68	$0.75	$0.75	$0.75	$0.73	.68	.68	.68	.68	-----	-----

Source: Bureau of Labor Statistics, Department of Labor.

No. 731.—NATURAL GAS AND NATURAL-GAS GASOLINE

[NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation]

Yearly average or year	Natural gas produced and marketed		Natural-gas gasoline			Year	Natural gas produced and marketed		Natural-gas gasoline		
	Quantity	Value	Gas treated	Production	Value		Quantity	Value	Gas treated	Production	Value
1906–1910	437,057	57,940	------	------	------	1919	745,916	160,888	480,404	351,535	64,197
1911–1915	575,708	88,492	11,602	30,317	2,481	1920	798,210	196,194	496,431	384,744	71,788
1916–1920	762,681	154,590	412,787	268,038	48,174	1921	662,052	174,617	465,097	449,934	61,815
1921–1925	947,419	229,002	820,445	762,151	82,205	1922	762,546	221,535	545,139	505,832	72,711
1914	591,867	94,116	16,895	42,653	3,106	1923	1,006,976	240,001	875,711	816,226	77,268
1915	628,579	101,312	24,064	65,365	5,151	1924	1,141,521	253,856	1,016,276	933,861	82,233
1916	753,170	120,227	208,705	103,493	14,331	1925	1,188,571	265,271	1,040,390	1,127,470	120,383
1917	795,110	142,089	429,288	217,884	40,189	1926	1,313,019	299,238	1,206,300	1,363,090	136,412
1918	721,001	153,554	449,109	282,536	50,364	1927 [1]	1,370,000	298,000	1,500,000	1,627,600	111,100

State	Natural gas produced and marketed					Natural gas consumed	Natural-gas gasoline produced.		
	1915	1920	1924	1925	1926	1926	1925	1926	1927
Total	628,579	798,210	1,141,521	1,188,571	1,313,019	1,312,853	1,127,470	1,363,090	[1] 1,627,600
Arkansas	[2] 992	19,050	36,616	41,878	43,566	52,630	19,686	30,385	36,300
California	21,891	66,041	189,692	187,789	204,915	204,915	303,180	389,366	489,700
Illinois	2,690	3,013	4,072	4,165	3,808	3,808	9,874	9,987	9,000
Indiana	2,261	4,435	998	1,168	------	------	------	------	------
Kansas	27,046	33,140	25,580	26,917	38,095	61,142	19,592	25,369	33,000
Kentucky	1,667	15,297	12,875	10,770	10,401	18,126	7,685	7,689	7,000
Louisiana	25,540	46,219	160,945	152,620	157,423	148,886	43,489	43,557	46,200
New York	7,977	19,127	[3] 6,196	[3] 6,210	[3] 7,027	17,864	414	539	(6)
Ohio	79,510	136,872	47,396	43,235	47,363	115,719	8,701	10,817	11,400
Oklahoma	87,517	126,689	214,452	249,285	286,421	244,993	390,861	475,716	549,500
Pennsylvania	113,682	161,397	105,863	101,632	107,089	125,836	18,850	20,343	18,300
Texas	13,324	49,467	[4] 107,247	[4] 134,872	[4] 175,392	187,341	214,092	243,093	316,600
West Virginia	244,004	100,289	182,285	180,345	180,223	72,784	58,201	63,807	64,200
Wyoming	[5] 342	10,312	46,036	45,539	46,567	45,605	32,777	40,625	43,100
All other	126	6,862	1,268	2,146	4,720	13,204	68	1,797	2,300

[1] Preliminary. [2] Includes gas piped from Oklahoma and consumed in Arkansas.
[3] Includes 12,000,000 cubic feet piped to Canada in 1924, 68,000,000 in 1925, and 79,000,000 in 1926.
[4] Includes 27,000,000 cubic feet piped to Mexico in 1924, 64,000,000 in 1925, and 87,000,000 in 1926.
[5] Includes Colorado. [6] Not shown separately.

No. 732.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

Quantity and value	1910	1915	1920	1925	1926	1927 [1]
QUANTITY, TONS OF 2,000 POUNDS						
Asphalt produced and sold	260,080	1,128,572	1,944,772	3,763,220	4,173,650	4,790,490
From domestic petroleum	161,187	664,503	700,496	1,206,700	1,245,160	1,525,420
From Mexican petroleum	------	388,318	1,045,779	1,971,670	2,213,310	2,426,030
Native asphalt [2]	98,803	75,751	198,497	584,850	715,180	839,040
Asphalt and related bitumen imported	186,311	139,662	130,599	125,250	146,789	161,924
Asphalt exported, unmanufactured [3]	------	38,203	51,706	121,849	184,807	424,907
VALUE, THOUSANDS OF DOLLARS						
Asphalt produced and sold	3,080	8,973	27,472	46,974	51,036	60,397
From domestic petroleum	2,226	4,716	11,985	15,306	15,453	19,019
From Mexican petroleum	------	3,730	14,273	27,520	31,098	35,772
Native asphalt	854	526	1,214	4,148	4,485	5,606
Asphalt and related bitumen imported	786	919	1,647	1,270	1,560	1,778
Asphalt exported:						
Unmanufactured [3]	------	736	1,356	2,588	4,089	9,359
Manufactured	------	439	842	2,526	2,190	2,400

[1] Preliminary. [2] Native asphalt and related bitumen. [3] Includes petroleum asphalt, beginning 1925.

Source: Tables 731 and 732, Bureau of Mines, Department of Commerce.

No. 733.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

Yearly average	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1861-1865	2,479	9,965	1902	88,767	71,179	1915	281,104	179,463
1866-1870	4,013	15,795	1903	100,461	94,694	1916	300,767	330,900
1871-1875	8,221	16,430	1904	117,081	101,175	1917	335,316	522,635
1876-1880	16,816	22,926	1905	134,717	84,157	1918	355,928	703,944
1881-1885	25,508	22,933	1906	126,494	92,445	1919	378,367	760,266
1886-1890	32,990	23,830	1907	166,095	120,107	1920	442,929	1,360,745
1891-1895	51,095	35,708	1908	178,527	129,079	1921	472,183	814,745
1896-1900	59,498	56,836	1909	183,171	128,329	1922	557,531	895,111
1901-1905	102,083	83,524	1910	209,557	127,900	1923	732,407	978,430
1906-1910	172,769	119,572	1911	220,449	134,045	1924	713,940	1,022,683
1911-1915	247,739	185,793	1912	222,935	164,213	1925	763,743	1,284,960
1916-1920	362,661	735,698	1913	248,446	237,121	1926	770,874	1,447,760
1921-1925	647,961	999,186	1914	265,763	214,125	1927 [1]	894,435	1,162,766

[1] Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 734.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

[NOTE.—Imports of refined petroleum products amounted to 20,902,000 barrels, valued at $44,597,000, in 1926; and 13,280,000 barrels, valued at $33,638,000, in 1927]

Period	Quantity (thousands of barrels of 42 gallons)						Value (millions of dollars)				
	Crude oil		Exports (domestic)			Bunker oil	Imports of crude oil	Exports (domestic)			Bunker oil
	Production	Imports	Crude oil	Refined oils	Crude and refined oils			Crude oil	Refined oils	All petroleum products	
1871-1880	12,519	(1)	528	6,026	6,554	(1)	(1)	2.4	37.7	40.1	(1)
1881-1890	29,249	(1)	1,719	12,084	13,803	(1)	(1)	5.1	43.7	50.5	(1)
1891-1895	51,095	(1)	2,606	16,751	19,357	(1)	(1)	5.0	40.8	49.9	(1)
1896-1900	59,498	(1)	2,907	20,240	23,146	(1)	(1)	5.8	57.1	69.4	(1)
1901-1905	102,083	(1)	3,029	22,317	25,346	(1)	(1)	6.3	68.5	83.3	(1)
1906-1910	172,769	(1)	3,686	30,521	34,207	(1)	(1)	6.4	90.4	104.9	(1)
1911-1915	247,739	12,080	4,134	44,475	48,609	(1)	7.6	6.1	125.8	143.1	(1)
1916-1920	362,661	49,531	5,413	58,896	64,308	11,681	26.5	14.1	323.7	365.5	24.2
1921-1925	647,961	94,857	13,330	76,455	89,785	36,501	68.0	22.5	363.6	405.1	55.9
1911	220,449	1,461	4,806	37,307	42,113	(1)	1.9	6.2	99.8	113.0	(1)
1912	222,935	6,909	4,493	40,352	44,845	(1)	4.7	6.8	117.4	136.0	(1)
1913	248,446	16,979	4,633	44,622	49,255	(1)	10.9	8.4	139.7	159.8	(1)
1914	265,763	16,913	2,970	48,716	51,686	[2] 1,302	10.0	5.0	133.7	148.7	[2] 1.1
1915	281,104	18,139	3,768	51,377	55,145	3,566	10.4	4.3	138.3	157.9	3.2
1916	300,767	20,797	4,096	57,833	61,928	5,530	12.6	7.0	194.5	220.1	5.6
1917	335,316	30,127	4,098	58,999	63,097	5,908	16.3	7.7	245.2	273.9	7.4
1918	355,928	37,736	4,901	59,727	64,628	6,603	21.3	12.1	332.2	369.5	11.7
1919	378,367	52,822	5,924	52,641	58,566	14,631	26.4	14.8	327.0	374.5	29.4
1920	442,929	106,175	8,045	65,278	73,323	26,335	55.8	29.0	519.3	589.3	66.7
1921	472,183	125,364	8,865	57,534	66,399	27,076	66.5	20.2	363.5	399.9	57.2
1922	557,531	127,308	9,995	59,592	69,587	31,692	70.4	18.3	312.6	344.3	43.7
1923	732,407	82,015	17,061	77,893	94,954	37,582	53.9	23.1	327.0	365.6	52.2
1924	713,940	77,775	17,605	93,411	111,016	43,328	73.8	26.5	392.3	442.6	58.0
1925	763,743	61,824	13,125	93,843	106,968	42,827	75.4	24.3	422.6	473.0	68.2
1926	770,874	60,382	15,406	108,398	123,804	46,662	79.3	28.5	497.2	554.5	71.0
1927	894,435	58,383	15,843	115,399	131,242	50,051	78.6	25.9	429.7	485.9	73.0

[1] Data are not available.

[2] July to December. Reports for July and August did not include San Francisco.

Source: Bureau of Mines and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 735.—PETROLEUM, CRUDE: Production by Regions and States, and Approximate World Production

[In thousands of barrels of 42 gallons]

Section	1880	1890	1900	1911–1915 (average)	1916–1920 (average)	1921–1925 (average)	1926	1927 (preliminary)	Production since 1857
World total[1]	30,018	76,633	149,137	384,345	541,733	944,771	1,098,389	1,242,780	15,803,778
United States [2]	26,286	45,824	63,621	247,739	362,661	647,961	770,874	894,435	10,334,981
Per cent of total	*87.6*	*59.8*	*42.7*	*64.4*	*66.8*	*68.6*	*70.2*	*72.0*	*65.4*
Regions:									
Appalachian	26,246	30,067	36,295	24,594	27,161	28,504	28,572	30,458	1,485,850
Lima-Indiana [3]		15,078	21,759	5,052	3,468	2,297	2,030	1,833	470,418
Illinois [3]		1		24,955	13,918	9,585	8,418	7,751	385,052
Mid-continent		1	917	87,656	184,616	343,545	423,867	543,343	4,299,820
Gulf				12,357	24,273	33,688	45,275	49,679	620,904
Rocky Mountain		369	323	2,605	11,830	35,258	37,945	30,184	326,634
California	40	307	4,325	90,512	97,384	195,074	224,673	230,752	2,745,577
States:									
Arkansas						36,644	58,332	40,179	281,732
California	40	307	4,325	90,512	97,384	195,074	224,673	230,752	2,745,577
Colorado		369	317	211	139	392	2,768	2,787	19,068
Illinois		1		24,955	13,918	8,815	7,760	7,024	379,820
Indiana		64	4,874	1,167	865	1,011	808	852	114,735
Kansas		1	75	2,235	32,556	32,733	41,498	40,740	466,406
Kentucky [4]		6	62	484	5,335	8,044	6,274	6,733	89,436
Louisiana				12,997	19,117	25,759	23,201	21,061	376,728
Montana					129	2,729	7,727	5,048	27,065
New Mexico [5]						[6] 554	1,666	1,203	4,027
New York [7]			1,301	920	864	1,274	1,956	2,230	65,772
Ohio	39	16,125	22,363	8,586	7,583	7,045	7,272	7,529	528,528
Oklahoma			6	68,524	102,209	155,088	179,195	277,274	2,276,346
Pennsylvania [7]	26,028	28,458	13,258	8,002	7,662	7,607	8,961	9,596	806,923
Texas			836	16,256	55,008	127,009	166,916	213,768	1,519,511
West Virginia	179	493	16,196	10,487	8,311	6,576	5,946	6,009	353,890
Wyoming			6	2,394	11,562	31,901	25,776	21,146	276,449

[1] Estimated.
[2] Includes insignificant quantities not distributed by regions and States.
[3] Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.
[4] Kentucky includes report for Tennessee for 1890 and 1900. [5] Not shown separately prior to 1924.
[6] Average for years 1924 and 1925. [7] Pennsylvania includes New York for 1880 and 1890.

No. 736.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1922	1923	1924	1925	1926	1927 (prel.)
Stocks of crude petroleum, total [1]	291,630	374,512	417,619	[3] 431,643	402,299	463,501
Stocks east of California [2]	233,827	302,500	312,725	[3] 293,852	278,264	351,646
Light					225,404	303,639
Heavy					52,860	48,007
Pipe line and tank-farm stocks by field of origin, total	199,038	267,858	280,807	264,245	242,180	312,322
Appalachian	8,868	9,210	9,286	8,493	7,790	7,326
Lima-Indiana	685	975	1,221	971	666	1,134
Illinois and southwestern Indiana	10,140	11,091	10,870	10,582	11,770	12,170
Mid-continent	152,573	202,904	210,558	195,941	173,848	246,031
Gulf coast	24,781	23,974	20,200	19,263	20,031	17,526
Rocky Mountain	1,991	19,704	28,672	28,995	28,075	27,235
Refinery stocks	[4] 33,805	[4] 33,259	31,184	[3] 29,200	35,475	39,235
Foreign petroleum held by importers	984	1,383	734	407	609	89
Producers' stocks (at wells)	8,428	9,850	8,389	7,560	5,904	([5])
Stocks in California [1]	[4] 49,375	[4] 62,162	96,505	[3] 130,234	118,131	111,855
Light			40,541	44,451	30,861	20,058
Heavy [1]			55,964	[3] 85,783	87,270	91,797
Natural-gas gasoline at plants			302	326	455	734
Stocks of refined oils [6]			102,366	120,449	123,247	119,949
Grand total stocks all oils			520,287	[3] 552,421	526,001	584,184

[1] Fuel oil held in California is included beginning 1924. [2] Exclusive of producers' stocks.
[3] Stocks east of California are revised to include 2,043,000 barrels of crude in coastwise transit, and stocks in California are revised to include 800,000 barrels of working stocks not previously reported.
[4] Refinery stocks in California are included with refinery stocks east of California prior to 1924.
[5] Not available. [6] Includes wax, coke, asphalt, and residuum in barrels.

Source of Tables 735 and 736: Bureau of Mines, Department of Commerce.

No. 737.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

	1924	1925	1926	1927
Total new supply of all oils	830,756	870,107	886,611	1,007,257
Domestic production, total	736,175	791,907	805,291	935,749
Crude petroleum	713,940	763,743	770,874	894,435
Natural-gas gasoline	22,235	26,307	32,305	38,752
Benzol		1,857	2,112	2,562
Imports—				
Crude	77,775	61,824	60,382	58,156
Refined [1]	16,806	16,376	20,938	13,352
Change in stocks [2]	+28,081	+30,120	−24,764	+64,037
Total demand	802,675	839,987	911,375	943,170
Exports—[3]				
Crude	18,239	13,337	15,407	15,843
Refined [1]	98,728	100,216	116,087	125,696
Domestic demand [4]	685,708	726,434	779,881	801,631

[1] Includes wax, coke, asphalt and residuum in barrels.
[2] Data include crude petroleum (exclusive of producers' stocks east of California), fuel oil in California, refined products, and except in 1924, natural gas gasoline.
[3] Includes shipments to noncontiguous territories.
[4] Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of Commerce.

No. 738.—PETROLEUM REFINING: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1914	1923	1925	1914	1923	1925
Materials used, total cost					325,265	1,425,053	1,889,678
Crude petroleum	Barrel	191,263	601,748	739,489	249,728	(1)	(1)
Distillates purchased and rerun.	do	9,455	35,155	57,845	24,395	(1)	(1)
Casing-head gasoline	do	(1)	15,949	23,223	(1)	(1)	(1)
Soda ash	Short ton.	(1)	(1)	21	(1)	(1)	(1)
Caustic soda	do	11	(1)	60	361	(1)	(1)
Sulphuric acid	do	329	(1)	820	(1)	(1)	(1)
Sulphuric acid, reclaimed and reused.	do	(1)	(1)	345	(1)	(1)	(1)
All other					51,142	(1)	(1)
All products, total value					396,361	1,793,700	2,376,657
Gasoline	Gallon	1,195,422	7,332,329	10,726,262	106,140	876,732	1,218,236
Naphtha	do	264,626	399,493	294,947	15,779	38,761	29,938
Benzine	do		67,733	41,714		8,863	4,993
Other light products	do		50,968	32,174		5,544	3,364
Tops	do	(1)	(1)	215,948	(1)	(1)	12,117
Illuminating oils	do	1,935,275	2,238,900	2,365,302	96,806	146,942	161,881
Fuel oils:							
Distillates	do	457,492	854,801	1,204,937	15,999	32,107	51,743
Gas oils	do	755,558	1,591,951	1,812,645	22,805	62,530	79,602
Residual fuel oil	do	2,521,042	9,529,645	11,572,400	45,213	251,029	357,230
Partly refined oils sold for rerunning.	do	(1)	1,300,804	1,497,879	(1)	54,977	65,305
Lubricating oils:							
Pale or paraffin	do	93,422	215,563	270,345	8,085	28,051	38,763
Red or neutral	do	116,352	311,391	528,756	12,426	58,778	92,404
Cylinder oils	do	102,949	234,410	206,884	13,704	44,720	47,226
All other lubricating oils	do	205,115	389,288	355,087	21,598	72,945	73,712
Liquid asphaltic road oils	do	134,844	198,920	274,317	4,018	7,865	12,512
Residuum or tar	do		80,066	139,171		3,191	5,964
Greases	do	14,006	35,024	45,820	3,536	10,785	13,921
Paraffin wax	do	57,539	69,536	89,762	8,897	12,899	30,590
Asphalt, other than liquid	Ton	465	2,134	3,594	4,867	23,339	30,461
Coke	do	214	647	924	819	4,796	6,438
Other special products					9,000	29,931	28,058
All other products					6,669	18,915	12,199

[1] No data.

Source: Bureau of the Census, Department of Commerce.

No. 739.—PETROLEUM PRODUCTS: Oils Run to Stills, Output of Refineries, Stocks, Exports, and Apparent Consumption of Products

[Note.—Stocks are those in the hands of refiners only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene, gas and fuel oil, and lubricating oil for 1922 to 1927 take into account comparatively small imports not shown separately, and for which no data were available prior to October, 1922. *In 1927 these imports* were as follows: Kerosene 55,000 barrels; gas and fuel oil, 8,123,000 barrels; lubricants, 7,000 barrels.]

[In thousands of barrels, except wax (thousand pounds), and coke and asphalt (thousand short tons)]

Item	1918	1922	1923	1924	1925	1926	1927
Crude oil run to stills	326,025	500,706	581,238	643,719	739,920	779,264	828,514
Domestic	----------	425,823	538,252	597,954	698,582	734,301	779,813
Foreign	----------	74,883	42,986	45,765	41,338	44,963	48,701
Natural-gas gasoline run to stills or blended at refineries	2,451	3,662	5,487	12,671	[1] 19,636	[1] 27,696	[1] 32,161
Stocks of crude oil, end of year	15,750	33,805	33,259	40,995	[2] 29,200	[2] 35,475	[2] 39,235
Gasoline:							
Produced	85,007	147,672	179,903	213,326	259,601	299,734	330,667
Exported	13,545	14,156	20,741	28,967	31,497	43,313	44,442
Imported	307	1,479	4,555	3,453	3,813	5,540	5,003
Stocks, end of year	7,079	21,043	28,014	30,823	38,875	39,023	32,323
Apparent consumption	74,506	127,906	156,746	185,003	223,865	261,813	297,928
Kerosene:							
Produced	43,461	54,913	55,927	60,026	59,689	61,768	56,114
Exported	11,820	21,489	20,347	21,961	21,212	22,248	19,480
Stocks, end of year	9,050	6,692	7,231	8,594	7,121	8,575	7,669
Apparent consumption	34,442	34,854	35,048	36,712	39,969	38,140	37,595
Gas and fuel oil:							
Produced	174,319	254,910	287,481	320,476	364,991	365,195	392,342
Exported	29,637	18,479	33,372	37,249	36,088	38,351	47,339
Stocks, end of year	15,691	31,065	36,072	[2] 19,556	[2] 24,681	[2] 24,898	[2] 31,982
Apparent consumption	142,751	240,010	261,388	292,452	([3])	([3])	([3])
Lubricants:							
Produced	20,035	23,304	26,128	27,498	31,055	32,293	31,721
Exported	6,165	7,941	8,372	9,103	9,678	9,435	9,810
Stocks, end of year	3,306	5,613	6,138	6,420	7,253	7,576	7,860
Apparent consumption	13,823	15,528	17,260	18,124	20,581	22,568	21,634
Wax—production	505,144	462,003	466,647	516,491	590,577	645,815	584,347
Stocks, end of year	199,658	204,891	164,758	89,706	116,391	185,331	167,214
Coke—production	560	707	673	761	991	995	1,145
Stocks, end of year	23	36	263	98	238	291	345
Asphalt—production	608	1,895	2,327	2,546	2,677	2,923	3,419
Stocks, end of year	77	120	118	97	159	193	221
Other finished products	----------	4,527	5,086	8,252	8,044	8,030	7,405
Losses	14,557	18,562	18,921	19,590	22,914	26,928	28,329

[1] Includes natural-gas gasoline run through pipe lines in California.

[2] Stocks east of California only.

[3] Not available.

No. 740.—PETROLEUM PRODUCTS: Crude Oil Run to Stills and Output of Refineries, by Regions, 1927

[In thousands of barrels, except wax which is in thousands of pounds

Region	Crude oil run to stills	Natural gas-gasoline run to stills	Output of refineries				
			Gasoline	Kerosene	Gas and fuel oil	Lubricants	Wax
Total	828,514	32,161	330,667	56,114	392,342	31,721	584,347
East coast	149,154	2,468	49,090	10,413	72,980	10,144	226,039
Appalachian	28,941	737	12,581	3,836	6,997	4,410	87,856
Indiana and Illinois	75,807	1,916	43,682	5,260	21,850	3,309	67,305
Oklahoma and Kansas	101,871	4,249	55,215	9,123	33,653	2,365	47,099
Texas	167,095	6,129	71,276	13,892	72,304	7,849	66,295
Louisiana and Arkansas	70,444	4,979	24,006	6,129	31,548	741	51,344
Rocky Mountain	25,026	1,148	14,313	1,864	7,348	590	38,408
California	210,176	10,535	60,504	5,597	145,662	2,313	----------

Source: Tables 739 and 740, Bureau of Mines, Department of Commerce.

No. 741.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

Company and State or field served	Miles of line operated	Investment in pipe lines	Other investments	Pipe line operating revenues	Pipe line operating expenses	Pipe line operating income	Net income
ALL REPORTING COMPANIES							
1920	48,712	340,328	267,362	103,600	66,452	26,026	53,949
1921	55,260	365,024	287,114	115,950	62,370	25,530	34,400
1922	57,349	382,280	264,344	128,059	64,539	52,720	58,568
1923	64,760	432,065	305,841	131,213	69,234	52,678	62,639
1924	68,185	496,187	282,504	146,921	74,656	63,176	72,234
1925	70,009	511,088	93,896	164,645	80,232	70,966	88,495
1926	72,846	539,410	111,891	173,075	83,098	76,523	80,401
COMPANIES REPORTING OPERATING REVENUES OF OVER $500,000 IN 1926							
Buckeye—Ohio	6,578	19,273	4,935	4,292	3,025	778	1,041
Cumberland—Kentucky	1,247	4,661	2,712	985	655	262	391
Empire—Kansas, Oklahoma, and Texas	883	8,892	----------	1,583	1,036	457	491
Eureka—West Virginia	4,662	10,943	2,308	1,982	2,051	145	14
Gulf—Texas	2,585	33,662	2,161	9,863	5,446	4,168	4,422
Gulf of Oklahoma—Kansas and Oklahoma	1,384	10,576	----------	4,666	1,584	2,943	3,195
Humble—Texas	3,573	39,620	----------	16,702	7,978	8,541	8,516
Illinois—Illinois, Indiana, Ohio, Wyoming, and Montana	3,936	29,545	4,719	6,850	4,029	1,985	2,999
Indian Corporation.—Illinois, Indiana, and Kentucky [1]	(2)	(2)	(2)	552	186	336	260
Indiana Co.—Indiana	923	5,062	5,257	1,534	684	585	808
Magnolia—Oklahoma and Texas	4,259	39,526	7,382	12,609	5,925	5,523	5,544
Marland—Kansas and Oklahoma	740	7,005	526	4,415	1,674	2,697	2,671
National—Pennsylvania	3,571	8,160	10,556	1,482	1,509	44	622
New York—New York and New Jersey	1,522	6,652	2,391	1,001	853	21	82
Northern Pennsylvania	615	3,072	3,176	561	297	195	361
Oklahoma—Kansas and Oklahoma	2,008	20,828	633	9,020	3,155	4,861	4,892
Ozark—Oklahoma, Missouri, Illinois, and Kansas	1,208	19,131	----------	7,661	2,306	5,319	5,523
Prairie—Oklahoma, Kansas, Texas, Missouri, Iowa, Illinois, and Indiana	11,587	85,098	56,045	28,319	12,419	12,818	14,447
Pure Oil—Ohio, Pennsylvania, West Virginia, and Oklahoma	2,568	3,382	129	1,179	914	225	38
Shreveport-Eldorado—Arkansas and Louisiana	179	2,013	2	1,507	636	798	466
Sinclair—Oklahoma, Kansas, Texas, Missouri, Iowa, Illinois, Indiana, Nebraska, and Wyoming	6,007	75,696	1,208	17,402	11,126	4,933	3,628
South West Pennsylvania—Pennsylvania	1,681	4,216	1,691	827	631	175	253
Standard—Arkansas and Louisiana	1,884	28,716	32	19,585	4,989	12,565	12,541
Texas—Louisiana, Texas, and Arkansas	3,568	36,684	----------	12,458	5,908	5,403	5,280
Texas of Oklahoma—Oklahoma	1,370	7,361	119	2,138	1,127	734	891
Tide-Water—Illinois, Indiana, New Jersey, New York, Ohio, and Pennsylvania	2,115	11,060	32	2,595	1,581	682	1,506

[1] Figures for operations cover period January 1 to October 31, 1926; properties sold as of the latter date.
[2] Insufficient data.

Source: Interstate Commerce Commission.

No. 742.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

[NOTE.—Prices of crude and fuel oil in dollars per barrel, others in cents per gallon. Compiled by Joseph C. Pogue. The weighted average prices are computed from five principal grades of crude oil at wells, from five markets each for kerosene and gasoline from tank wagon, from five refining locations for fuel oil, and for five grades of lubricating oil]

Year	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1927	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	*Cents*	*Cents*	*Dolls.*	*Cents*		*Dolls.*	*Cents*	*Cents*	*Dolls.*	*Cents*
1916	1.33	18.9	7.9	1.04	18.3	January	1.88	17.1	13.8	1.48	24.2
1917	1.77	20.6	8.5	1.57	19.5	February	1.87	16.8	13.5	1.49	25.2
1918	2.22	21.7	10.2	2.01	30.9	March	1.57	15.9	13.3	1.41	25.1
1919	2.25	22.2	12.7	1.59	32.2	April	1.52	14.9	13.2	1.24	25.5
1920	3.44	26.5	17.1	2.79	49.0	May	1.50	14.9	12.8	1.10	25.6
1921	1.86	22.3	12.9	1.30	27.6	June	1.50	14.5	12.6	1.04	25.8
1922	1.78	21.7	12.4	1.24	20.4	July	1.50	14.6	12.6	1.04	25.8
1923	1.71	17.5	12.8	1.20	19.4	August	1.46	14.3	12.6	.995	25.8
1924	1.84	15.9	12.7	1.35	23.0	September	1.46	14.2	12.6	.996	26.2
1925	1.96	16.6	12.3	1.46	26.1	October	1.46	14.2	12.6	1.03	25.8
1926	2.03	17.5	14.7	1.47	26.1	November	1.46	14.2	12.6	.972	24.8
1927	1.55	15.0	12.9	1.14	25.3	December	1.48	14.2	12.6	.938	24.4

No. 743.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

[NOTE.—Imports are "Imports for consumption" and exports include both domestic and foreign cement but not that going to noncontiguous territories. Both imports and exports include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers. (See Table 744)]

State	1910	1915	1920	1923	1924	1925	1926	1927
	Thousands of barrels [1]							
Production, total	76,550	85,915	100,023	137,460	149,358	161,659	164,530	173,207
Alabama	[2] 1,481	([3])	1,132	3,497	5,553	6,288	6,710	7,565
California	[4] 6,386	4,503	7,098	11,002	11,615	13,098	13,842	14,581
Illinois	4,459	5,157	5,539	7,148	6,994	7,101	6,747	7,017
Iowa	[5] 2,010	4,560	4,849	5,732	5,624	4,648	4,926	5,415
Kansas	5,656	3,580	4,341	6,026	5,894	6,511	6,338	6,180
Michigan	3,688	4,765	4,891	7,620	9,260	10,936	12,037	13,965
Missouri	4,456	4,627	6,018	7,306	7,871	8,332	7,653	6,778
New York	3,296	5,044	5,885	6,990	7,572	8,770	8,796	10,775
Ohio	1,528	1,949	1,780	4,189	4,601	5,715	7,556	8,854
Pennsylvania	26,676	28,649	28,269	38,157	40,850	42,347	42,866	43,733
Texas	[6] 2,287	1,939	2,562	4,179	4,566	4,858	5,007	5,656
Washington	([4])	1,496	1,799	2,106	1,842	2,482	([3])	([3])
Other States	14,627	19,646	25,860	33,508	37,115	40,573	42,031	42,688
Shipments	([7])	86,892	96,312	135,912	146,048	157,295	162,187	171,865
Imports	307	42	525	1,767	2,024	3,667	3,244	2,066
Exports	2,476	2,565	2,986	1,002	879	1,020	974	817
Stocks, end of year	([7])	11,463	8,833	10,813	14,152	18,336	20,740	22,082

[1] Of 376 pounds.
[2] Includes Georgia and Tennessee.
[3] Included in other States.
[4] California includes Washington.
[5] Includes Kentucky and West Virginia.
[6] Includes Oklahoma.
[7] Not available.

No. 744.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

[In thousands of barrels [1]]

State	1924	1925	1926	1927
Shipped from cement plants	146,048	157,295	162,187	171,865
Shipments to States	145,062	156,118	160,940	170,737
New England	6,615	6,864	6,733	6,942
Maine	387	334	548	506
New Hampshire	379	426	438	460
Vermont	300	217	272	393
Massachusetts	3,360	3,418	2,983	2,820
Rhode Island	608	711	635	701
Connecticut	1,582	1,758	1,857	2,062
Middle Atlantic	36,831	40,504	41,181	45,259
New York	17,456	18,489	20,225	23,003
New Jersey	6,410	7,082	7,116	8,419
Pennsylvania	12,964	14,933	13,840	13,837
East North Central	41,984	42,294	44,332	48,043
Ohio	9,263	9,221	9,684	10,342
Indiana	5,523	4,998	5,175	5,739
Illinois	13,328	14,405	14,067	14,833
Michigan	9,355	9,565	10,784	11,576
Wisconsin	4,515	4,105	4,622	5,553
West North Central	14,736	16,657	16,271	15,890
Minnesota	3,248	3,615	3,573	3,380
Iowa	3,144	2,705	2,827	3,708
Missouri	3,985	5,601	5,202	4,207
North Dakota	249	342	403	393
South Dakota	467	462	424	410
Nebraska	1,500	1,675	1,555	1,360
Kansas	2,143	2,257	2,287	2,432
South Atlantic	13,616	16,029	17,576	15,925
Delaware	386	402	360	343
Maryland	1,989	2,127	2,319	2,652
District of Columbia	723	886	907	982
Virginia	1,701	1,649	1,734	1,799
Shipments to States—Con. South Atlantic—Continued.				
West Virginia	1,661	1,488	1,680	1,562
North Carolina	3,000	3,025	3,732	3,213
South Carolina	571	864	639	986
Georgia	1,408	1,438	1,831	1,995
Florida	2,177	4,150	4,374	2,483
East South Central	5,722	6,104	6,377	7,463
Kentucky	1,764	1,796	1,659	1,954
Tennessee	1,559	1,644	1,933	2,263
Alabama	1,873	2,085	1,981	2,265
Mississippi	527	579	804	981
West South Central	8,409	8,467	9,178	10,904
Arkansas	1,084	800	770	855
Louisiana	1,260	1,100	1,187	1,491
Oklahoma	2,211	2,378	2,343	3,120
Texas	3,854	4,189	4,878	5,438
Mountain	3,301	2,960	3,204	3,159
Montana	203	236	258	308
Idaho	262	259	444	311
Wyoming	331	225	189	181
Colorado	1,337	1,152	1,138	1,002
New Mexico	232	182	193	279
Arizona	415	424	426	562
Utah	428	381	461	428
Nevada	92	101	95	87
Pacific	13,789	16,179	16,031	17,102
Washington	1,730	2,427	2,022	2,574
Oregon	1,211	1,318	1,318	1,399
California	10,847	12,434	12,691	13,129
Unspecified	60	59	60	52
Exports direct by manufacturers [2]	986	1,178	1,247	1,128

[1] Of 376 pounds.
[2] Includes shipments to Alaska, Hawaii, and Porto Rico.

Source of Tables 743 and 744: Bureau of Mines, Department of Commerce.

No. 745.—CEMENT PRODUCTION: Quantity, by Kinds, and Total Value

[Note.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cements represent shipments]

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890	7,777	336	7,441	4,527	1914	89,050	88,230	820	82,204
1895	8,731	990	7,741	5,482	1915	86,708	85,915	794	74,285
1900	17,231	8,482	8,749	13,284	1916	92,363	91,521	842	101,379
1903	29,899	22,343	7,556	31,931	1917	93,464	92,814	639	126,106
1904	31,675	26,506	5,169	26,032	1918	71,515	71,082	433	114,132
1905	40,102	35,247	4,855	35,932	1919	81,307	80,778	529	138,714
1906	51,000	46,463	4,537	55,302	1920	100,791	100,023	767	203,198
1907	52,230	48,785	3,445	55,904	1921	99,381	98,842	539	187,703
1908	52,911	51,073	1,838	44,478	1922	115,679	114,790	889	203,324
1909	66,690	64,991	1,698	53,611	1923	138,732	137,460	1,272	263,122
1910	77,785	76,550	1,235	68,752	1924	150,777	149,358	1,418	272,345
1911	79,548	78,529	1,019	66,705	1925	163,388	161,659	1,729	[1] 281,076
1912	83,351	82,438	913	67,462	1926	166,635	164,530	2,105	[1] 280,786
1913	92,949	92,097	852	93,001	1927		173,207		[1] 281,736

[1] Value of shipments.

Source: Bureau of Mines, Department of Commerce.

No. 746.—STONE: Production (Sales), by Varieties and Uses

Variety and use	Quantity sold, thousands of short tons [1]						Value, 1,000 dollars, 1926
	1921	1922	1923	1924	1925	1926	
Total	63,539	80,212	103,319	103,184	115,851	124,496	188,309
Granite	4,752	5,913	7,300	6,884	8,074	9,330	32,045
Basalt and related rocks	8,524	10,033	10,674	11,672	11,842	12,978	15,950
Sandstone	2,640	3,388	4,349	3,895	4,499	4,979	11,149
Marble	315	428	563	516	564	563	14,167
Limestone	45,621	58,929	76,701	75,894	85,649	91,888	109,252
All other	1,685	1,521	3,731	4,324	5,242	4,759	5,745
Building stone	1,369	1,929	2,059	2,212	2,392	2,609	39,923
Monumental	230	248	424	394	363	360	14,581
Paving blocks	453	326	462	376	381	366	3,400
Curbing	184	236	252	296	393	346	4,303
Flagging	65	54	44	60	56	66	657
Rubble	445	632	882	865	1,197	540	917
Riprap	1,814	2,049	3,186	3,265	3,079	4,060	4,653
Crushed stone	43,203	49,764	62,323	68,198	75,673	82,516	87,872
Furnace flux (limestone and marble)	10,669	18,718	25,602	19,690	22,861	23,859	18,049
Refractory stone	496	902	1,152	1,094	1,261	1,531	1,926
Manufacturing industries (limestone and marble)	2,883	3,586	4,668	4,734	5,172	4,954	4,376
Other uses [2]	1,728	1,767	2,264	2,000	3,023	3,289	7,651

[1] Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons; expressed in their selling units the quantities are as follows for 1926: Building stone, 33,467,000 cubic feet; monumental stone, 4,336,000 cubic feet; paving blocks, 39,563,000; curbing, 4,410,000 cubic feet; and flagging, 962,000 cubic feet.

[2] Chiefly agricultural limestone.

Source: Bureau of Mines, Department of Commerce.

No. 747.—CLAY AND GLASS PRODUCTS: PRODUCTION

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1914	1923	1925	1914	1923	1925
BRICK, TILE, AND TERRA COTTA, FIRE-CLAY, AND OTHER CLAY PRODUCTS, AND NONCLAY REFRACTORIES [1]							
All products, total value					129, 583	333, 884	335, 585
Brick:							
Common	Number	7, 145, 809	7, 282, 181	7, 561, 501	43, 764	94, 473	88, 551
Vitrified	do	931, 324	699, 269	539, 101	12, 501	15, 570	11, 876
Face	do	810, 395	1, 931, 175	2, 474, 690	9, 290	38, 892	45, 428
Enameled	do	(2)	19, 502	16, 931	(2)	1, 671	1, 508
Drain tile	Ton	(2)	616	661	8, 522	5, 100	4, 960
Sewer pipe	do	(2)	1, 778	2, 139	14, 015	29, 103	30, 421
Architectural terra cotta	do	(2)	138	152	6, 088	16, 486	19, 139
Hollow building tile or block	do	(2)	3, 765	4, 225	8, 385	28, 275	29, 264
Tile (not drain):							
Roofing	Squares	(2)	231	290		4, 022	5, 155
Floor (including plain, vitreous, encaustic, quarry, etc.).	Sq. ft	(2)	13, 320	19, 244		3, 051	4, 361
Ceramic mosaic (vitreous and semivitreous).	do	(2)	20, 976	20, 331	5, 705	4, 986	4, 092
Faïence (including art, enameled, and hand-decorated).	do	(2)	1, 865	4, 916		1, 580	3, 295
Wall (thin, white glazed, etc.)	do	(2)	26, 301	30, 366		10, 166	10, 220
Stove lining	Ton	(2)	55	26	521	1, 219	656
Fire brick [3]	Number	816, 784	1, 134, 223	995, 079	16, 428	46, 677	41, 164
All other clay products					4, 364	11, 545	14, 820
Silica brick	Number	(2)	258, 388	235, 877	(2)	12, 855	11, 280
All other products						8, 213	9, 395
POTTERY [1]							
All products, total value					35, 308	114, 951	112, 019
Red earthenware (flower pots, etc.).		(2)	(2)	(2)	1, 060	2, 458	2, 632
Stoneware (except chemical) and yellow and Rockingham ware.		(2)	(2)	(2)	3, 349	4, 746	4, 349
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain.		(2)	(2)	(2)	14, 968	38, 696	32, 816
Porcelain china, bone china, delft, and Belleek ware.		(2)	(2)	(2)	2, 385	1, 923	967
Hotel china				(2)	(4)	9, 761	9, 867
Vitreous china, plumbing fixtures.		(2)	(2)	(2)	(5)	(5)	25, 036
Porcelain electrical supplies		(2)	(2)	(2)	4, 130	21, 248	21, 827
Saggers		(2)	(2)	(2)	(4)	1, 870	1, 764
All other products					9, 506	34, 249	12, 761
GLASS [6]							
All products, total value					123, 085	309, 353	295, 959
Building glass					36, 824	121, 760	107, 962
Window glass	Sq. ft	400, 999	510, 215	567, 151	17, 496	42, 623	37, 525
Obscured glass, including cathedral and skylight.	do	43, 040	46, 376	53, 951	2, 417	5, 114	6, 916
Plate glass, total cast	do	75, 770					
Polished	do	60, 384	94, 470	117, 369	14, 774	66, 103	57, 207
Rough, for sale as such	do	132	2, 806	4, 215	26	501	504
Wire glass—							
Polished	do	1, 708	2, 805	4, 165	534	1, 652	2, 264
Rough, for sale as such	do	13, 981	28, 802	28, 743	1, 057	3, 882	3, 546
All other building glass					520	1, 885	(7)
Pressed and blown glass [8]					30, 279	77, 279	72, 086
Bottles and jars [9]					51, 959	107, 231	100, 301
All other products					4, 023	3, 083	15, 610

[1] From reports of Bureau of Mines, Department of Commerce.
[2] No data.
[3] Clay brick, including refractory block or tile, boiler and locomotive tile, tank blocks, and other refractory clay products—9-inch equivalent.
[4] Not reported separately.
[5] Not shown separately. Included in "All other pottery products."
[6] In addition considerable quantities of electric-light shades, globes, etc., were made in 1914 by establishments engaged primarily in the manufacture of electrical goods.
[7] Included in "All other products."
[8] Including jelly glasses, tumblers, and goblets, but not including bottles, etc.
[9] Including demijohns and carboys.

Source: Bureau of the Census, Department of Commerce.

No. 748.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
				Brick							
	Common	Vitrified [1]	Face	Common	Vitrified [1]	Face	Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
1913	8,089	959	828	50,135	12,138	9,614	7,733	8,620	6,109	14,872	16,811
1914	7,147	931	810	43,770	12,501	9,290	6,088	8,385	5,706	14,015	13,476
1915	6,851	953	856	42,145	12,231	9,536	4,796	7,801	5,186	11,259	15,800
1916	7,394	942	1,003	49,357	12,237	11,465	6,466	9,943	6,475	13,577	24,437
1917	5,865	707	758	47,936	10,665	10,391	6,174	13,255	6,821	17,307	42,502
1918	3,557	403	356	38,782	7,145	6,095	2,659	13,037	5,082	15,334	51,648
1919	4,752	489	791	63,585	11,615	16,033	3,988	17,965	8,137	16,755	38,016
1920	4,852	468	787	82,216	12,679	19,441	10,852	27,112	12,470	25,371	53,416
1921	4,448	562	873	57,096	12,870	18,128	9,068	14,841	12,560	22,155	24,833
1922	5,899	517	1,417	72,613	10,816	28,234	12,410	19,708	16,597	23,600	31,357
1923	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924	7,159	554	2,030	86,692	12,974	39,931	16,446	24,998	24,842	32,400	40,621
1925	7,562	538	2,475	88,551	11,876	45,428	19,139	29,264	27,124	30,421	41,164
1926	7,520	468	2,440	88,250	10,285	44,516	19,667	27,818	34,985	29,303	42,707

[1] Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

No. 749.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

[NOTE.—All quantity figures in tons of 2,000 pounds. Production figures represent sales plus that used by producers; they include Porto Rico]

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880	834,548	1,642	509,703	1917	6,978,177	113,993	64,922
1885	985,411	2,108	440,290	1918	7,238,744	136,783	40,290
1890	1,242,779	2,464	257,323	1919	6,882,902	119,416	59,514
1895	1,913,751	3,602	279,576	1920	6,840,029	139,272	137,654
1900	2,921,708	7,511	199,909	1921	4,981,154	109,563	93,095
1905	3,635,257	34,238	161,159	1922	6,792,849	134,989	113,922
1910	4,242,792	49,013	137,103	1923	7,130,713	125,529	88,750
1913	4,815,902	70,289	154,765	1924	6,803,115	144,945	88,938
1914	4,872,656	82,295	130,804	1925	7,397,500	155,079	85,788
1915	5,352,409	80,474	122,326	1926	7,371,600	158,908	55,964
1916	6,362,906	84,065	122,079	1927	7,568,690	153,832	44,968

State or kind	1900	1910	1915	1920	1925	1926	1927
Production, total	2,921,708	4,242,792	5,352,409	6,840,029	7,397,500	7,371,600	7,568,690
By States:							
Michigan	1,009,487	1,323,283	1,762,430	2,262,915	2,172,600	2,260,320	2,271,460
New York	1,105,590	[1] 1,629,953	1,570,446	1,903,101	2,053,970	2,001,580	1,964,080
Ohio	199,540	514,339	823,234	1,057,802	1,173,590	1,164,400	1,203,170
Kansas	312,743	393,603	527,123	783,655	812,540	729,880	794,780
Louisiana	----------	(1)	(2)	265,085	500,350	520,400	606,110
California	87,060	131,252	146,784	212,008	292,480	288,440	300,880
Texas	(2)	53,503	62,297	91,103	(2)	(2)	54,270
Utah	34,878	34,979	55,279	75,259	88,150	77,350	74,690
West Virginia	34,142	21,788	32,513	29,802	25,870	23,180	22,600
Undistributed	138,268	140,093	372,303	159,299	277,950	306,050	276,650
By kinds:							
Manufactured (evaporated)	1,725,394	1,953,069	2,335,823	2,409,924	2,235,170	2,198,060	2,263,030
In brine	779,949	1,314,492	1,851,199	2,819,916	2,819,690	3,037,820	3,161,800
Rock salt	416,365	975,231	1,165,387	1,610,189	2,342,640	2,135,720	2,142,860
Total value (dollars)	6,944,603	7,900,344	11,747,686	29,894,075	26,162,361	25,055,012	24,817,962

[1] Louisiana is included with New York.
[2] Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce.

No. 750.—ACCIDENT RATES IN DIFFERENT BRANCHES OF MINERAL INDUSTRIES IN 1926

Branch of mineral industry	Average days active	Men employed		Man shifts	Killed	Injured	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers (calculated)				Killed	Injured
Coal mines	221	759,033	559,426	167,827,732	2,519	(1)	4.50	--------
All metal mines	291	127,823	123,870	37,160,978	430	30,350	3.47	245.01
Copper mines	321	32,723	35,040	10,511,974	121	10,102	3.45	288.30
Gold, silver, and miscellaneous metal mines	292	33,940	32,982	9,894,645	108	9,878	3.27	299.50
Iron mines	276	33,158	30,479	9,143,849	129	4,082	4.23	133.93
Lead and zinc mines (Mississippi Valley)	265	14,479	12,771	3,831,191	39	3,885	3.05	304.20
Nonmetallic mineral mines	279	13,523	12,598	3,779,319	33	2,403	2.62	190.74
All quarries (including outside works)	271	91,146	82,361	24,708,400	154	13,201	1.87	160.28
Cement rock quarries	319	22,996	24,427	7,328,157	37	2,094	1.51	85.72
Granite quarries	254	10,612	8,967	2,690,144	20	1,660	2.23	185.12
Limestone quarries	253	39,039	32,947	9,884,060	69	6,611	2.09	200.66
Marble quarries	297	5,457	5,400	1,620,023	9	782	1.67	144.81
Sandstone and bluestone quarries	236	4,918	3,872	1,161,530	4	626	1.03	161.67
Slate quarries	267	4,304	3,831	1,149,334	8	700	2.09	182.72
Trap-rock quarries	229	3,820	2,917	875,152	7	728	2.40	249.57
All quarries (excluding outside works)	253	50,620	42,708	12,812,387	110	8,006	2.58	187.46
All quarries (outside works only)	294	40,526	39,653	11,896,013	44	5,195	1.11	131.01
Metallurgical plants	341	57,726	65,687	99,706,098	48	7,279	.73	110.81
Ore-dressing plants	313	16,685	17,385	5,215,376	13	2,294	.75	131.95
Smelters	357	24,399	29,049	8,714,596	20	3,181	.69	109.50
Auxiliary works	347	16,642	19,253	5,776,126	15	1,804	.78	93.70
All coke ovens	315	23,115	24,288	7,286,605	51	1,922	2.10	79.13
Beehive coke ovens	220	6,605	4,847	1,454,243	6	645	1.24	133.07
By-products coke ovens	353	16,510	19,441	5,832,362	45	1,277	2.31	65.60
Total, 1926	242	1,058,843	855,632	256,689,813	3,202	52,752	3.74	(2) 178.09
Total, 1925	222	1,049,579	777,896	233,368,875	2,826	58,704	3.63	197.21

[1] Not available.
[2] Exclusive of coal.

Source: Bureau of Mines, Department of Commerce.

No. 751.—ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES

Class of plants and cause	1921	1922	1923	1924	1925	1926	1927
Coal-mine fatalities	1,995	1,984	2,462	2,402	2,234	2,518	2,224
Falls of roof (coal, rock, etc.)	925	788	1,058	941	977	1,093	1,011
Falls of face or pillar coal	100	120	109	121	103	121	134
Mine cars and locomotives	366	373	449	404	385	463	383
Explosions of gas or coal dust	126	311	372	536	345	422	247
Explosives [1]	142	93	115	99	102	96	110
Electricity (shock or burns)	97	83	83	96	100	112	114
Mining machines and machinery	34	41	49	38	44	35	38
Mine fires (burned, suffocated, etc.)	16	------	------	2	10	1	4
Shaft fatalities	36	41	46	29	34	35	29
Railway cars and locomotives	20	22	24	20	16	20	15
Other causes	133	112	157	116	118	120	139
Metal-mine fatalities	239	344	367	418	371	430	(2)
Falls or slides of rock or ore	72	105	111	131	116	126	------
Rock or ore (underground loading)	2	3	2	8	4	6	------
Explosives	23	30	42	52	52	49	------
Haulage	21	37	62	58	56	39	------
Falls of persons	40	48	50	44	45	49	------
Run or fall of ore (chute, pocket, or bins)	6	7	6	4	8	9	------
Machinery, other than locomotives	6	11	11	9	7	5	------
Electricity	4	7	12	13	20	21	------
Mine fires and suffocation from natural gases	5	48	7	7	7	5	------
Shaft fatalities, other than falls of persons	24	28	31	16	24	26	------
Other causes	26	20	33	76	32	95	------
Quarry fatalities	120	132	143	138	149	154	(2)
Falls or slides of rock or overburden	20	25	31	26	34	32	------
Explosives	17	36	12	16	20	23	------
Haulage	17	15	28	23	22	23	------
Falls of persons	11	7	16	16	15	9	------
Machinery	18	24	21	20	26	20	------
Drilling and channeling	1	1	------	1	1	------	------
Other causes	36	24	35	36	31	47	------

	Killed				Injured			
	1923	1924	1925	1926	1923	1924	1925	1926
Smelting plants	17	16	19	20	3,487	3,293	3,376	3,131
Haulage system (cars, motors, etc.)	2	4	6	2	230	171	210	205
Railway cars and locomotives	1	2	1	1	102	99	58	42
Cranes	------	------	1	1	46	43	51	67
Other machinery	2	1	2	3	124	123	145	112
Falls of persons	3	1	3	1	243	230	266	250
Flying or falling objects (rocks, timbers, etc.)	1	2	1	2	541	567	597	519
Burns from matte, slag, or molten metal	1	3	1	2	691	730	677	678
Hot-metal explosions	3	1	------	1	128	104	83	105
Other causes	4	2	4	7	1,382	1,226	1,289	1,203
Ore-dressing plants	24	20	17	13	2,549	2,511	2,232	2,294
Haulage system (cars, motors, etc.)	2	1	------	------	144	91	60	83
Railway cars and locomotives	3	1	1	1	93	41	24	59
Crushers, rolls, or stamps	------	1	3	2	182	108	132	84
Other machinery	5	5	4	1	340	232	214	268
Falls of persons	5	3	------	1	259	324	308	303
Flying or falling objects (rocks, timbers, etc.)	------	1	------	1	236	250	279	288
Electricity	1	2	1	------	26	35	34	41
Other causes	6	2	8	7	1,231	1,424	1,181	1,168
Coke ovens	45	24	28	51	2,593	1,645	1,686	1,622
Cars, lorries, and motors	15	6	8	5	231	131	120	151
Railway cars and locomotives	2	------	3	5	34	27	32	41
Coke-drawing machines	1	5	1	------	96	32	34	40
Falls of persons	6	2	2	8	405	218	205	266
Hand tools	1	------	------	------	247	115	155	142
Burns	8	1	2	3	375	199	231	215
Falling objects	3	5	1	3	321	189	226	231
Other causes	11	9	11	27	922	740	684	836

[1] Includes premature blasts, explosion of misfires, suffocation by gas from explosives, flying pieces from blasts, etc.
[2] Not available.

Source: Bureau of Mines, Department of Commerce.

No. 752.—ACCIDENTS IN MINERAL INDUSTRIES: By Groups of Industries

Year	Number employed		Killed	Injured					
				Total non-fatal	Temporary			Permanent	
	Actual number	Equivalent in 300-day workers			Total	1 to 14 days	More than 14 days	Partial[1] disability	Total[2] disability
All metal mines:									
1915	152,118	141,997	553	35,295	34,686	27,444	7,242	574	35
1919	145,262	134,871	468	31,506	31,178	23,330	7,848	321	7
1920	136,583	134,540	425	32,562	32,205	24,311	7,894	345	12
1921	93,929	74,510	230	18,604	18,424	13,607	4,817	173	7
1922	105,697	97,138	344	26,080	25,840	19,330	6,510	231	9
1923	123,279	121,866	367	33,563	33,129	24,598	8,531	414	20
1924	123,128	119,113	418	33,118	32,706	24,308	8,398	402	10
1925	126,713	123,908	371	35,132	34,458	26,295	8,163	653	21
1926	127,823	123,870	430	30,350	29,773	22,092	7,681	557	20
All quarries:									
1915	100,740	82,447	148	9,671	9,148	7,783	1,365	507	16
1919	75,505	63,794	123	9,199	8,951	7,339	1,612	225	23
1920	86,488	77,089	178	10,217	10,880	8,987	1,893	327	10
1921	77,185	59,958	120	10,465	10,126	8,230	1,896	330	9
1922	79,081	68,861	132	11,839	11,442	9,300	2,142	377	20
1923	92,455	85,153	143	14,990	14,547	11,980	2,567	431	12
1924	94,242	84,426	138	14,777	14,307	11,599	2,708	457	13
1925	91,872	83,487	149	14,165	13,713	11,086	2,627	430	22
1926	91,146	82,361	154	13,201	12,770	10,452	2,318	416	15
Metallurgical plants:									
1916	80,201	88,596	83	15,080	14,863	11,420	3,443	200	17
1919	61,120	64,358	64	8,126	8,053	6,184	1,869	71	2
1920	59,232	65,587	61	8,863	8,714	6,724	1,990	147	2
1921	33,430	30,549	27	4,494	4,456	3,431	1,025	38	-------
1922	44,000	46,008	45	6,678	6,600	4,975	1,625	76	2
1923	53,871	59,499	58	8,424	8,260	6,021	2,239	163	1
1924	56,196	62,948	55	8,226	8,132	5,949	2,183	90	4
1925	58,935	66,220	44	7,711	7,480	5,578	1,902	226	5
1926	57,726	65,687	48	7,279	7,052	5,002	2,050	223	4
All coke ovens:									
1916	31,603	34,119	45	5,237	5,154	4,468	686	81	2
1919	28,741	27,674	53	4,031	3,908	3,118	790	121	2
1920	28,139	29,921	49	3,415	3,336	2,614	722	76	3
1921	16,204	13,868	17	1,853	1,829	1,511	318	24	-------
1922	19,278	18,236	29	1,710	1,674	1,287	387	35	1
1923	23,729	25,627	45	2,593	2,517	1,892	625	71	5
1924	20,451	20,681	24	1,645	1,607	1,176	431	38	-------
1925	23,254	24,054	28	1,696	1,652	1,246	406	44	-------
1926	23,115	24,288	51	1,922	1,874	1,402	472	46	2

Year	Number employed		Killed	Year	Number employed		Killed
	Actual number	Equivalent in 300-day workers			Actual number	Equivalent in 300-day workers	
Coal mines:				Coal mines—Con.			
1911	728,348	534,122	2,656	1922	844,807	405,056	1,984
1915	734,008	511,598	2,269	1923	862,536	560,000	2,462
1916	720,971	505,766	2,226	1924	779,613	499,896	2,402
1919	776,569	542,217	2,323	1925	748,805	480,227	2,234
1920	784,621	601,283	2,272	1926	759,033	559,426	2,518
1921	823,253	474,520	1,995	1927	(3)	(3)	2,224

[1] Includes loss of one foot, leg, hand, eye, one or more fingers or toes, any dislocation where ligaments are severed, or any other injury known in surgery to be permanent partial disability.
[2] Permanent total disability: Loss of both legs or arms, one leg and one arm, total loss of eyesight, paralysis, or other condition permanently incapacitating workman from doing any work of a gainful occupation.
[3] Not available.

Source: Bureau of Mines, Department of Commerce.