28.—FORESTS AND FOREST PRODUCTS

[Data in this section relate to continental United States only except those for national forests which include Alaska, or Alaska and Puerto Rico, as indicated]

No. 677.—FORESTS: Estimated Original Area, Area in 1930, Stand of Saw Timber, and Annual Growth, 1930, by Regions

NOTE.—Data in the following table are necessarily approximate. The original area and area in 1930 refer only to land capable of producing commercial timber in commercial quantities, and do not include the low-grade woodland and scrub; the 11,000,000 acres in parks, monuments, etc., are excluded from the forest area in 1930. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay

Region	Original area (thousand acres)	Area (thousand acres), 1930						
		Total	Saw timber			Cordwood	Fair to satisfactory restocking	Poor to nonrestocking
			Total	Old growth	Second growth			
Total	**816,158**	**494,898**	**188,645**	**98,855**	**89,790**	**120,881**	**102,073**	**83,299**
New England [1]	38,908	27,273	13,860	7,976	5,884	4,843	6,145	2,425
Middle Atlantic [2]	69,610	27,139	7,294	26	7,268	10,518	5,998	3,329
Lake [3]	104,320	55,895	5,095	2,664	2,431	8,880	28,165	13,755
Central [4]	163,840	64,249	21,224	1,664	19,560	25,592	12,245	5,188
South [5]	298,640	190,758	57,265	14,338	42,927	52,702	37,236	43,555
Pacific coast [6]	77,120	66,685	44,140	38,892	5,248	6,683	6,190	9,672
North Rocky Mountain [7]	33,490	32,329	17,026	15,172	1,854	5,704	5,933	3,666
South Rocky Mountain [8]	30,230	30,570	22,741	18,123	4,618	5,959	161	1,709

Region	Stand of saw timber (millions of board feet), 1930			Annual growth of usable material on commercial forest areas, 1930					
				Combined saw-timber and cordwood growth (millions of cubic feet)			Saw-timber growth (millions of board feet)		
	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods
Total	**1,667,803**	**1,485,850**	**181,953**	**8,912**	**4,810**	**4,102**	**11,731**	**8,311**	**3,420**
New England [1]	57,875	32,811	25,064	427	162	265	764	410	354
Middle Atlantic [2]	26,150	8,245	17,905	634	114	520	575	172	403
Lake [3]	35,887	9,193	26,694	644	167	477	116	12	104
Central [4]	34,622	2,900	31,722	1,128	83	1,045	727	41	686
South [5]	199,297	121,449	77,848	4,784	2,994	1,790	6,799	4,946	1,853
Pacific coast [6]	1,041,628	1,038,909	2,719	680	675	5	1,785	1,765	20
North Rocky Mountain [7]	146,388	146,388	----------	416	416	--------	576	576	--------
South Rocky Mountain [8]	125,956	125,955	1	199	199	--------	389	389	--------

[1] Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
[2] New York, New Jersey, Pennsylvania, Delaware, and Maryland.
[3] Michigan, Wisconsin, Minnesota, and North Dakota.
[4] Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, and Missouri. Data for Kansas and Nebraska are not available, but these omissions from the central region estimates are unimportant.
[5] Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Arkansas, Louisiana, Texas, and Oklahoma.
[6] California, Oregon, and Washington.
[7] Idaho and Montana.
[8] Wyoming, Colorado, South Dakota, New Mexico, Arizona, Utah, and Nevada.

Source: Forest Service, Department of Agriculture.

No. 678.—STAND OF SAW TIMBER (ESTIMATED): By Region and Kind of Wood, 1930

[Quantity in millions of board feet]

Kind of wood	Total	New England	Middle Atlantic	Lake	Central	South	Pacific coast	North Rocky Mountain	South Rocky Mountain
Grand total	**1,667,803**	**57,875**	**26,150**	**35,887**	**34,622**	**199,297**	**1,041,628**	**146,388**	**125,956**
Eastern hardwoods, total	**179,233**	**25,064**	**17,905**	**26,694**	**31,722**	**77,848**			
Oak	60,753	1,048	4,783	6,017	16,315	32,590			
Birch, beech, and maple	49,943	20,973	8,555	13,459	4,401	2,555			
Red gum	15,488		71		874	14,543			
Tupelo	6,342				116	6,226			
Yellow poplar	5,172	18	203		1,635	3,316			
Cottonwood and aspen	4,437	2,022	20	887	222	1,286			
Others	37,098	1,003	4,273	6,331	8,159	17,332			
Eastern softwoods, total	**174,598**	**32,811**	**8,245**	**9,193**	**2,900**	**121,449**			
Southern yellow pine	118,132		597		1,433	116,102			
Spruce and fir	21,533	18,720	1,564	843	175	231			
White and Norway pine	14,672	8,390	3,530	2,392	159	201			
Hemlock	12,198	3,675	2,462	4,612	765	684			
Cypress	4,140				263	3,877			
Others	3,923	2,026	92	1,346	105	354			
Western hardwoods, total	**2,720**						**2,719**		**1**
Western softwoods, total	**1,311,252**						**1,038,909**	**146,388**	**125,955**
Douglas fir	530,197						484,138	33,933	12,126
Western yellow pine	251,560						178,051	31,938	41,571
True firs	131,933						109,196	14,594	8,143
Western hemlock	86,464						86,464		
Spruce	61,582						12,782	12,513	36,287
Redwood	57,233						57,233		
Lodgepole pine	43,276						2,143	14,556	26,577
Sugar pine	35,516						35,516		
Western larch	26,118						8,043	18,075	
Western white pine	19,508						3,944	15,564	
Others	67,865						61,399	5,215	1,251

No. 679.—NATIONAL FORESTS: Area and Standing Timber

Note.—In December 1935 it was estimated that there were 18,511,279 acres of State forests, including forest preserves of New York, Hawaiian and Puerto Rican forest reserves, State parks, and other forest lands belonging to States; also 5,063,413 acres of municipal and county forests and parks

State	Net area, 147 forests, June 30, 1936 (acres)	Standing timber, Dec. 31, 1930	
		Saw timber (million board feet)	Cordwood on cordwood area (1,000 cords)
Total	**165,978,691**	**633,340**	**149,142**
Cont'l U.S.	**144,622,868**	**552,465**	**141,526**
Alabama	[1] 149,392	254	5
Arizona	11,389,357	14,059	
Arkansas	[1] 1,515,074	1,442	
California	[1] 19,202,647	102,251	62
Colorado	13,536,000	38,251	8,495
Florida	[1] 819,606	171	702
Georgia	[1] 396,426	398	554
Idaho	19,747,656	58,275	21,191
Illinois	10,710		
Louisiana	[1] 413,020	5	62
Maine	[1] 33,781	52	
Michigan	[1] 729,562	85	160
Minnesota	[1] 1,298,908	1,104	4,458
Mississippi	[1] 532,318		
Montana	16,187,260	30,565	57,680
Nebraska	206,026		
Nevada	4,985,848	228	18
New Hampshire	[1] 600,084	1,067	1,253
New Mexico	8,542,328	9,028	
North Carolina	[1] [2] 479,932	503	1,080
Oklahoma	[1] 195,200		
Oregon	13,701,834	152,638	16,113
Pennsylvania	[1] 395,827	94	608
South Carolina	[1] 49,159	103	90
South Dakota	1,067,745	2,910	1,635
Tennessee	[1] 450,627	369	263
Utah	7,570,871	7,283	681
Vermont	[1] 64,548		
Virginia	[1] 701,501	777	3,470
Washington	9,624,918	102,309	12,525
West Virginia	[1] 688,233	75	480
Wisconsin	[1] 724,473	11	15
Wyoming	8,611,997	28,158	9,926
Alaska	21,342,340	80,875	7,616
Puerto Rico	[1] 13,483		

[1] Includes acreage actually acquired under the Weeks law, as amended by the Clarke-McNary law.
[2] Includes 8,394 acres transferred from the Treasury Department.

Source of tables 678 and 679: Forest Service, Department of Agriculture.

No. 680.—NATIONAL FORESTS: Land in Course of Acquisition and Land Acquired Under the Weeks Law, as Amended by the Clarke-McNary Law, to June 30, 1936

State and administrative unit	Area in course of acquisition	Area acquired
	Acres	*Acres*
Total	**4,783,828**	**10,701,331**
Continental United States	**4,776,978**	**10,699,904**
Alabama, total	264,563	131,679
Black Warrior	8,431	129,403
Conecuh	67,185	200
Oakmulgee	52,803	1,083
Talladega	136,144	993
Arkansas, total	391,987	590,361
Ouachita (part)	200,115	329,867
Ozark	191,872	260,494
California, total	62	72,595
Sequoia	62	20,982
Tahoe	----------	51,613
Florida	199,530	471,442
Apalachicola	77,755	198,750
Choctawhatchee	37,816	79,449
Ocala	80,703	40,621
Osceola	3,256	152,622
Georgia, total	100,095	404,292
Cherokee (part)	91,282	253,660
Nantahala (part)	8,813	150,632
Illinois, total	111,498	39,218
Illini	42,620	26,483
Shawnee	68,878	12,735
Indiana, total	29,471	5,206
Lafayette	11,886	949
Lost River	6,093	1,471
Patoka	5,913	600
Pleasant Run	5,579	2,186
Kentucky: Cumberland	229,519	125,705
Louisiana: Kisatchie	72,128	412,845
Maine, total	13,329	33,781
Bates College experimental area	2,376	----------
White Mountain (part)	10,953	33,781
Michigan, total	527,694	866,270
Hiawatha	115,995	236,290
Huron	24,067	123,283
Manistee	135,566	59,723
Marquette	60,264	111,129
Ottawa	191,802	335,845
Minnesota, total	200,478	943,141
Chippewa	90,001	255,213
Mesaba	15,923	107,725
Superior	94,554	580,203
Mississippi, total	303,297	652,758
Bienville	71,102	99,679
Delta	1,310	11,883
De Soto	98,624	384,801
Holly Springs	50,801	46,743
Homochitto	81,460	108,441
McNeil Experimental Forest	----------	1,211
Missouri, total	361,986	614,292
Clark	108,502	197,415
Fristoe	54,460	198,982
Gardner	13,602	57,482
Gasconade	29,465	62,342
Pond Fork	23,185	48,848
St. Francois	43,540	2,828
Table Rock	23,370	13,456
Wappapello	65,862	32,939
New Hampshire: White Mountain (part)	64,614	600,065
North Carolina, total	281,169	575,771
Cherokee (part)	12,921	11,113
Croatan	47,525	65,441
Nantahala (part)	98,443	167,535
Pisgah (part)	67,064	331,378
Ubarie	22,750	304
Unaka	32,466	----------
North Dakota: Souris	----------	480
Ohio, total	31,853	6,680
Hocking Valley	13,980	47
Little Scioto	13,025	3,494
McArthur	1,573	525
Symmes Creek	3,275	2,614
Oklahoma: Ouachita (part)	10,948	133,720
Pennsylvania: Allegheny	26,036	397,710
South Carolina, total	129,927	363,764
Enoree	47,178	67,106
Long Cane	51,508	30,609
Nantahala (part)	4,187	49,055
Wambaw	27,054	216,994
Tennessee, total	44,865	474,934
Cherokee (part)	6,552	256,823
Pisgah (part)	3,807	37,561
Unaka (part)	34,506	180,550
Texas, total	350,371	281,128
Angelina	5,732	129,185
Davy Crockett	41,816	123,335
Sabine	183,479	89
Sam Houston	119,344	28,519
Utah: Wasatch	12,040	----------
Vermont: Green Mountain	87,685	74,122
Virginia, total	492,258	701,366
George Washington (part)	204,125	564,656
Jefferson	288,133	136,710
West Virginia, total	186,456	688,233
George Washington (part)	11,212	83,037
Monongahela	175,244	605,196
Wisconsin, total	253,119	1,038,346
Chequamegon	100,195	664,503
Nicolet	152,924	373,843
Puerto Rico, total	6,850	1,427
Carribbean	5,465	1,427
Toro Negro	1,385	----------

Source: Forest Service, Department of Agriculture.

No. 681.—NATIONAL FORESTS: Summary of Operations

Note.—Data for revenue for all years and for the first three items for 1933 to 1936 are for years ended June 30; other data are for calendar years. Figures include data for national forests in Alaska

Item	1930	1931	1932	1933	1934	1935	1936
Timber sales:							
Number	15,093	15,873	14,362	14,268	16,433	17,520	18,389
Quantity ... M ft. b. m.	[1]3,370,417	605,306	352,584	356,792	462,089	[1] 669,688	[1] 988,304
Timber cut under sales ... do	1,254,963	793,816	383,721	389,500	598,751	668,246	814,785
Free timber given:							
Number of users	53,930	81,618	125,472	134,038	113,821	108,408	183,338
Timber cut ... M ft. b. m.	116,096	167,680	270,244	265,812	248,243	316,769	294,411
Value ... dol.	116,786	162,017	226,947	237,044	210,175	279,921	273,493

[1] Amount sold is to be cut during a period of years; hence greater than amount cut in these years.

No. 681.—National Forests: Summary of Operations—Continued

Item	1930	1931	1932	1933	1934	1935	1936
Grazing, kinds of stock:[2]							
Cattle ... no	1,315,882	1,338,373	1,361,160	1,366,538	1,389,387	1,315,233	1,282,639
Goats ... do	13,496	14,645	12,438	11,045	9,124	9,148	8,113
Swine ... do	540	431	528	533	315	292	174
Horses ... do	41,961	37,335	35,105	31,797	29,549	29,085	28,268
Sheep ... do	6,700,846	6,593,583	6,308,500	6,150,921	6,152,244	5,681,938	5,636,937
Revenue, total ... dollars	**6,751,553**	**4,993,320**	**2,294,247**	**2,626,049**	**3,314,691**	**3,291,312**	**4,062,963**
From—							
Timber[3] ... do	4,389,893	2,607,618	1,049,108	782,808	1,522,356	1,731,355	2,203,237
Water power ... do	107,493	112,308	116,352	60,192	124,946	89,973	88,935
Special uses ... do	300,257	301,712	293,157	278,182	297,831	315,829	328,106
Grazing ... do	1,942,914	1,960,642	829,960	1,498,209	1,358,688	1,151,153	1,441,493
All other ... do	10,996	11,040	5,670	6,658	10,870	3,002	1,192

[2] Number actually grazed under permit.
[3] Includes receipts from timber and turpentine sales, timber settlement and trespass.

No. 682.—FOREST FIRES: Area, Number, and Damage

Note.—Data were compiled from reports by the National Forest Supervisors and from those of cooperating States. Figures for unprotected area are based upon partial information only from incomplete reports; reliable data are not available prior to organized protection. Figures for fires on national parks were excluded prior to 1931 and on Indian reservations prior to 1932

Year	Area needing protection (1,000 acres)	Area protected (1,000 acres)	Area unprotected (1,000 acres)	Number of fires		Area burned (1,000 acres)		Damage[1] (1,000 dollars)	
				On protected area	On unprotected area	On protected land	On unprotected land	On protected area	On unprotected area
1930	697,921	399,142	208,779	70,832	120,148	5,809	46,457	14,597	51,371
1931	617,324	400,783	216,541	62,174	125,040	6,406	45,200	17,018	50,069
1932	625,865	405,248	220,617	60,500	105,899	3,652	38,410	7,879	45,581
1933	661,619	442,955	218,664	53,287	87,435	3,723	40,167	17,318	42,957
1934	674,704	465,146	209,558	69,318	93,345	4,173	37,648	8,100	37,273
1935	673,573	469,194	204,379	62,554	77,743	2,539	27,797	4,251	28,329
1936	681,137	485,487	195,650	84,853	141,432	4,217	38,990	14,067	40,147

[1] Figures do not take into account the vast amount of intangible and indirect damage resulting from forest fires, such as that through decay of damaged timbers, replacements of desirable species of trees by less desirable but more fire-resistant ones, soil deterioration and erosion, loss of wild life, uncertain stream flow, interrupted tourist traffic, and the like.

No. 683.—FOREST FIRES: Number, Area Burned, and Damage, by Causes, Protected Areas Only

Year	Lightning	Railroads	Campers	Smokers	Débris burning	Incendiary	Lumbering	Miscellaneous	Unknown
Number of fires:									
1930	5,217	4,625	5,011	17,460	9,180	14,394	1,626	6,987	6,332
1931	3,784	2,966	5,287	14,579	7,454	15,472	1,082	6,256	5,294
1932	3,399	2,383	4,969	15,538	7,582	16,410	583	5,337	4,299
1933	3,347	2,182	4,098	14,707	6,859	12,097	801	5,929	3,267
1934	6,229	3,070	4,595	15,806	9,632	17,515	902	5,929	5,640
1935	5,317	2,599	4,223	14,990	7,387	16,461	1,200	5,827	4,550
1936	6,915	3,852	4,514	20,236	12,205	22,655	1,778	7,157	5,542
Area burned (acres):									
1930	106,630	259,120	294,960	1,044,460	736,460	1,766,090	175,540	623,810	802,250
1931[1]	221,160	141,580	396,830	927,620	644,910	2,224,570	146,900	1,002,420	672,350
1932[1]	29,460	59,190	413,310	554,530	423,680	1,493,760	60,280	304,560	270,150
1933[1]	36,530	79,640	253,150	574,430	383,850	995,240	326,440	585,790	229,110
1934[1]	401,500	133,150	162,420	568,000	637,410	1,445,060	118,720	380,300	222,700
1935	50,560	70,680	128,890	349,270	289,060	1,054,400	80,720	326,060	189,470
1936	171,880	131,190	153,890	646,660	659,760	1,586,750	205,060	309,130	352,610
Damage (dollars):									
1930[1]	331,720	1,005,450	572,310	2,344,420	1,706,590	2,934,020	449,880	1,639,630	3,200,570
1931[1]	1,660,310	769,260	825,190	1,936,000	1,243,060	4,786,410	888,690	3,185,610	1,237,420
1932[1]	41,270	156,230	784,180	1,794,700	942,360	2,082,140	87,910	537,220	988,670
1933[1]	68,240	246,520	388,960	888,500	586,940	3,138,280	10,505,210	840,550	388,710
1934[1]	453,350	286,080	322,550	2,186,230	970,760	2,053,170	320,080	770,550	482,880
1935[1]	71,100	175,050	174,970	598,060	353,030	1,303,050	225,060	880,940	423,830
1936[1]	547,440	325,730	291,630	1,140,470	1,088,840	4,534,740	1,351,990	888,820	804,790

[1] Totals by causes for these years are less than total area burned or total damage, shown in tables 682 and 684, because of incomplete reports. See also note 1, table 682, regarding data for damage.

Source of tables 681, 682, and 683: Forest Service, Department of Agriculture.

No. 684.—FOREST FIRES: Classification of Area Burned and Damage, Protected Areas Only

AREA BURNED (acres)

Year	Productive forest			Nonproductive area				Grand total
	Mature or merchantable	Young growth	Total	Protection		No protection or forest value	Total	
				Forest	Other			
1930	1,322,160	3,399,800	4,721,960	65,870	759,180	262,310	1,087,360	5,809,320
1931	1,272,470	2,874,690	4,147,160	278,710	1,577,950	402,050	2,258,710	6,405,870
1932	726,730	2,054,720	2,781,450	136,430	561,570	172,760	870,760	3,652,210
1933	816,560	1,937,080	2,753,640	71,460	626,710	271,110	969,280	3,722,920
1934	874,770	2,044,660	2,919,430	889,320		364,290	1,253,610	4,173,040
1935	493,110	1,523,830	2,016,940	311,060		211,110	522,170	2,539,110
1936	779,640	2,156,450	2,936,090	1,031,110		249,730	1,280,840	4,216,930

DAMAGE [1] (dollars)

Year	Timber	Reproduction	Forage	Other	Total	Protection forest value	Grand total
1930	5,895,240	6,007,200	325,690	1,771,100	13,999,230	598,050	14,597,280
1931	6,821,070	5,491,850	215,820	2,751,750	15,280,490	1,737,610	17,018,100
1932	2,760,770	2,577,800	125,970	1,831,030	7,295,570	583,920	7,879,490
1933	12,189,920	3,295,840	146,600	1,287,000	16,919,360	399,080	17,318,440
1934	2,747,450	2,992,190	164,850	1,334,540	7,239,030	861,320	8,100,350
1935	1,012,540	1,830,580	118,300	989,090	3,950,510	300,230	4,250,740
1936	5,251,580	3,875,010	413,900	3,474,690	13,015,180	1,051,770	14,066,950

[1] See footnote 1, table 682.

No. 685.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

NOTE.—Data, except for timber destroyed by disease, insects, etc., are based upon the average of the years 1925–1929; timber destroyed by disease, insects, etc., average of the years 1919–1929

Product and waste	Unit of measure	Quantity in thousands	Total volume removed, including cordwood [1] (M cubic feet)	Equivalent in lumber which could have been sawed from total volume removed (M feet b. m.)		
				Total	Softwoods	Hardwoods
Aggregate			16,306,207	59,133,839	44,254,914	14,878,925
Products, total			14,495,308	54,641,444	40,228,682	14,412,762
Lumber	Foot, b.m.[2]	38,000,000	7,371,372	38,000,000	30,957,920	7,042,080
Fuelwood	Cord	61,266	4,002,635	7,047,000	4,146,000	2,901,000
Ties, hewed	Piece	53,215	633,034	2,025,165	835,553	1,189,612
Fence posts	do	395,946	628,836	1,299,459	654,438	645,021
Pulpwood	Cord	5,336	588,666	1,473,620	1,316,815	156,805
Mine timbers (round)	Cu. ft.	184,875	231,780	155,988	43,626	112,362
Veneer logs	Foot, l. s.	920,034	230,607	1,033,708	332,691	701,017
Slack staves	Piece	979,610	109,345	487,861	179,780	308,081
Slack heading	Set	67,766	42,452	203,016	129,737	73,279
Slack hoops	Piece	138,939	10,053	41,626		41,626
Logs and bolts in manufactures.	Foot, l. s.	593,328	156,575	677,960	109,443	568,517
Tight staves	Piece	307,167	97,116	460,378	224,822	235,556
Tight heading	Set	26,609	43,733	199,372	74,138	125,234
Shingles	Piece	6,298,100	138,558	629,810	629,810	
Export logs and hewn timbers.	Foot, l. s.	307,570	60,514	340,535	320,503	20,032
Poles	Piece	3,443	37,571	149,374	131,859	17,515
Distillation wood	Cord	1,283	36,367	88,970	11,300	77,670
Piling	Piece	1,363	28,978	141,527	108,497	33,030
Tanning extract wood	Cord	418	26,173	118,950		118,950
Excelsior wood	do	179	20,943	67,125	21,750	45,375
Destroyed by fire			870,690	1,390,233	1,250,948	139,285
Destroyed by disease, insects, wind, and drought.			940,209	3,102,162	2,775,284	326,878

[1] The cordwood data in this item include trees of less than saw-timber size on saw-timber and cordwood areas.

[2] Lumber tally measure.

Source of tables 684 and 685: Forest Service, Department of Agriculture. Data in table 685 are based in part upon forest products statistics of the Bureau of the Census, Department of Commerce.

No. 686.—LUMBER: Production, by Kind of Wood, and Average Mill Value

Note.—For 1889, 1914, 1921, 1923, 1925, and 1927 custom mills are excluded and beginning with 1911 for each year except 1919 mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly

[Quantities in millions of board feet; average mill value per 1,000 board feet]

Year (calendar)	Production			Average mill value	Year (calendar)	Production			Average mill value
	Total	Hardwood	Softwood			Total	Hardwood	Softwood	
1869	12,756			(1)	1922	31,569	4,925	26,644	$26.15
1879	18,091			(1)	1923	37,166	6,262	30,904	31.78
1889	23,842			$11.41	1924	35,931	6,525	29,406	28.57
1899	[2]35,078	8,634	26,146	11.13	1925	38,339	6,628	31,710	28.02
1909	44,510	10,613	33,897	15.38	1926	36,936	6,467	30,469	27.34
1912	39,158	8,632	30,526	15.35	1927	34,532	6,090	28,442	25.80
1913	38,387	8,084	30,303	(1)	1928	34,142	5,797	28,345	25.61
1914	37,346	7,939	29,407	(1)	1929	36,886	7,073	29,813	26.94
1915	37,012	7,527	29,485	14.04	1930	26,051	4,729	21,323	22.81
1916	39,807	8,475	31,332	15.32	1931	16,523	2,671	13,852	18.56
1917	35,831	6,657	29,174	20.32	1932	10,151	1,406	8,746	15.12
1918	31,890	6,223	25,667	24.79	1933	13,961	2,062	11,899	18.55
1919	34,552	7,145	27,407	30.21	1934	15,494	2,758	12,735	21.47
1920	33,799	6,989	26,810	38.42	1935	19,539	3,291	16,248	20.43
1921	26,961	4,775	22,186	23.47					

Kind of wood	Production									
	1899	1909	1919	1929	1930	1931	1932	1933	1934	1935
Softwood, total	26,146	33,897	27,407	29,813	21,323	13,852	8,746	11,899	12,735	16,248
Balsam fir		109	68	38	8	11	4	3	7	15
Cedar	233	346	332	309	238	150	86	111	140	181
Cypress	496	956	656	532	491	332	165	158	179	326
Douglas fir	1,737	4,856	5,902	8,689	6,453	4,648	2,904	3,969	4,066	4,772
Hemlock	3,421	3,051	1,755	2,099	1,517	960	337	416	478	578
Larch	51	421	388	245	174	85	50	48	79	98
Lodgepole pine		24	16	31	30	25	19	12	19	18
Ponderosa pine	945	1,500	1,755	3,288	2,594	1,822	1,288	1,690	1,806	2,528
Redwood	360	522	410	486	403	211	136	164	282	329
Spruce	1,442	1,749	980	564	442	234	156	198	259	289
Sugar pine	54	97	134	349	205	106	48	85	110	193
White fir		89	223	307	207	121	52	67	81	107
White pine	7,742	3,900	1,724	1,248	1,109	716	433	532	756	854
Yellow pine	9,659	16,277	13,063	11,630	7,450	4,430	3,069	4,446	4,473	5,960
Other softwood	9									
Hardwood, total	8,634	10,613	7,145	7,073	4,729	2,671	1,406	2,062	2,758	3,291
Alder		(3)	(3)	24	15	14	10	24	21	33
Ash	269	291	155	152	116	68	34	54	76	90
Basswood	308	399	184	133	96	57	21	37	52	72
Beech		511	359	187	138	81	42	44	72	94
Birch	133	452	375	374	284	172	73	81	126	166
Chestnut	207	664	546	268	151	89	48	50	79	87
Cottonwood	415	266	144	165	158	77	49	108	109	98
Elm	457	347	194	176	110	57	20	33	49	67
Hickory	97	334	170	57	30	14	8	11	13	22
Magnolia		(3)	2	42	27	17	9	21	22	25
Maple	633	1,107	857	824	601	328	160	221	311	404
Oak	4,438	4,414	2,708	2,574	1,662	954	516	698	1,083	1,195
Red gum	285	707	851	1,104	694	343	202	386	393	482
Sycamore	30	57	28	58	26	23	8	11	14	19
Tupelo		97	144	307	254	135	89	122	126	192
Walnut	39	46	39	72	36	23	9	22	21	23
Yellow poplar	1,115	859	329	436	258	172	86	111	163	182
Other hardwood	209	62	59	120	71	46	22	26	28	39

[1] Data are not available.
[2] Includes 298,000,000 board feet of lumber not reported by kind of wood.
[3] Less than 500,000 board feet were reported.

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

No. 687.—LUMBER: Production by Regions and States

[In millions of board feet. See headnote, table 686]

Region and State	1889	1899	1909	1919	1929	1932	1933	1934	1935
United States	23,842	35,078	44,510	34,552	36,886	10,151	13,961	15,494	19,539
Northeastern	4,726	5,709	5,197	2,584	1,232	388	417	699	750
Maine	597	785	1,112	596	258	102	105	178	217
New Hampshire	277	572	650	339	192	61	101	155	127
Vermont	384	376	352	218	120	40	30	50	73
Massachusetts	212	344	361	167	72	39	24	57	56
Connecticut	49	108	168	87	30	5	7	11	8
New York	925	878	681	358	160	39	36	59	69
New Jersey	34	74	62	37	16	5	5	7	8
Pennsylvania	2,133	2,333	1,463	630	314	73	93	147	158
Maryland	82	184	268	113	55	18	12	24	22
Rhode Island	8	19	25	11	7	3	3	4	4
Delaware	23	36	55	27	10	4	1	5	7
Central	3,130	5,643	5,487	3,016	2,347	417	530	909	1,005
Ohio	565	990	543	280	176	32	38	83	83
Indiana	755	1,037	556	282	170	27	42	65	86
Illinois	222	388	170	65	38	8	8	15	19
Missouri	402	724	660	321	228	35	41	101	64
West Virginia	302	778	1,473	763	633	135	185	224	253
Kentucky	423	775	861	512	339	51	47	123	164
Tennessee	460	951	1,224	792	764	128	169	299	337
Southern States	3,718	8,404	14,796	12,704	12,484	2,973	4,510	4,592	6,170
Georgia	575	1,312	1,342	894	1,386	264	473	476	714
Florida	412	790	1,202	1,137	1,137	320	439	473	610
Alabama	589	1,101	1,691	1,799	2,059	544	757	659	952
Mississippi	454	1,206	2,573	2,390	2,669	531	792	875	1,102
Arkansas	538	1,624	2,111	1,772	1,348	277	514	628	856
Louisiana	304	1,115	3,552	3,164	2,232	567	836	775	1,065
Texas	843	1,232	2,099	1,380	1,452	405	594	594	744
Oklahoma	3	22	226	168	200	65	105	111	126
North Carolina Pine States	1,129	2,712	5,177	3,374	2,979	964	1,256	1,319	1,659
Virginia	416	959	2,102	1,098	708	227	321	406	442
North Carolina	515	1,287	2,178	1,654	1,202	383	513	571	685
South Carolina	199	466	898	622	1,068	354	422	341	532
Lake States	8,251	8,750	5,476	2,692	1,771	290	394	596	808
Michigan	4,300	3,018	1,890	876	571	111	160	236	333
Minnesota	1,084	2,342	1,562	700	357	58	49	95	108
Wisconsin	2,866	3,389	2,025	1,116	843	120	186	265	367
Pacific States	2,028	2,901	6,905	8,818	14,149	4,545	6,147	6,459	7,953
Washington	1,064	1,429	3,863	4,961	7,302	2,261	3,106	3,064	3,453
Oregon	446	735	1,899	2,577	4,784	1,604	2,256	2,380	3,145
California and Nevada	[1] 518	738	[1] 1,144	1,280	2,063	681	[1] 785	1,015	1,356
Rocky Mountain States	249	556	1,292	1,299	1,843	554	674	882	1,149
Montana	90	256	309	287	389	111	125	172	234
Idaho	28	65	646	765	1,029	248	316	457	609
Arizona	5	36	63	74	175	58	90	73	100
New Mexico	26	31	92	87	148	72	89	101	126
Colorado	80	134	142	65	72	39	34	49	48
Utah	14	18	13	12	5	5	8	10	9
Wyoming	6	17	29	9	26	21	11	19	23
All other	612	401	[2] 179	65	81	[2]	34	39	45
Iowa	571	352	132	18	[3] 20	2	[4] 4	3	3
Kansas	4	11	[2] 16	3	(5)	1	(5)	3	5
Nebraska	9	5							
North Dakota	7	2							
South Dakota	21	32	31	43	61	17	30	33	38
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	7.5	3.3	3.8	3.0	4.5	3.8
Central States	13.1	16.1	12.3	8.7	6.4	4.1	3.8	5.9	5.1
Southern States	15.6	24.0	33.3	36.8	33.8	29.3	32.3	29.6	31.6
North Carolina Pine States	4.7	7.7	11.6	9.8	8.1	9.5	9.0	8.5	8.5
Lake States	34.6	24.9	12.3	7.8	4.8	2.8	2.8	3.8	4.1
Pacific States	8.5	8.3	15.5	25.5	38.4	44.8	44.1	41.7	40.8
Rocky Mountain States	1.1	1.6	2.9	3.7	5.0	5.5	4.8	5.7	5.9
All other	2.6	1.1	.4	.2	.2	.2	.2	.3	.2

[1] California only; for 1909 Nevada included with "All other." [2] Includes Nevada. [3] Includes Kansas and Nebraska. [4] Includes Kansas. [5] Included with Iowa.

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

No. 688.—LUMBER: Average Mill Value per 1,000 Board Feet

Kind of wood	1899	1909	1919	1928	1929	1930	1931	1932	1933	1934	1935
All kinds [1]	$11.13	$15.38	$30.21	$25.61	$26.94	$22.81	$18.56	$15.12	$18.55	$21.47	$20.43
Softwoods	(2)	14.08	28.39	23.41	24.31	20.88	16.74	13.94	16.94	20.05	19.08
Balsam fir	(2)	13.99	32.23	25.40	25.49	26.72	19.34	19.32	19.79	20.27	22.03
Cedar	10.91	19.95	33.80	38.32	34.83	31.14	24.08	24.55	25.91	27.94	29.33
Cypress	13.32	20.46	38.38	36.18	35.29	33.10	30.64	24.62	26.30	30.73	29.51
Douglas fir	8.67	12.44	24.62	19.02	20.05	16.91	12.05	10.61	13.57	16.14	15.97
Hemlock	9.98	13.95	29.16	18.84	18.90	17.04	14.13	12.39	14.27	17.70	18.53
Larch	8.73	12.68	23.39	18.34	18.35	17.18	14.18	10.76	13.34	16.07	16.90
Lodgepole pine	(2)	16.25	29.98	19.29	17.97	17.64	14.46	12.45	16.23	16.54	18.27
Ponderosa pine	9.70	15.39	27.75	26.35	26.47	23.52	20.48	16.88	18.57	20.51	20.40
Redwood	10.12	14.80	30.04	31.39	31.00	30.33	29.82	24.33	26.29	30.03	29.77
Spruce	11.27	16.91	30.76	26.50	28.64	23.66	23.00	17.73	18.89	21.75	22.09
Sugar pine	12.30	18.14	35.99	39.06	43.08	38.10	28.76	26.26	27.95	27.64	30.03
White fir	(2)	13.10	25.66	20.00	20.63	17.57	14.94	12.23	15.30	15.15	16.17
White pine	12.69	18.16	32.83	28.71	29.87	27.81	24.71	21.58	21.45	23.75	25.66
Yellow pine	8.46	12.69	28.71	24.62	25.66	21.06	16.99	13.32	17.91	21.64	18.24
Hardwoods [1]	(2)	19.52	37.22	36.35	38.04	31.49	28.00	22.45	27.81	28.01	27.09
Alder	(2)	15.03	34.67	25.94	27.18	24.67	22.11	17.66	17.99	19.16	19.28
Ash	15.84	24.44	52.69	45.61	43.14	39.72	41.06	28.74	33.23	39.26	30.02
Basswood	12.84	19.50	40.03	39.72	39.88	35.31	28.54	23.81	29.19	30.78	32.06
Beech	(2)	13.25	29.98	28.63	28.39	25.89	22.93	17.97	22.75	22.93	23.65
Birch	12.50	16.95	35.79	40.30	39.35	36.39	30.95	26.26	29.02	30.58	31.92
Chestnut	13.37	16.12	32.30	31.09	29.51	23.91	22.50	17.87	23.01	23.53	21.96
Cottonwood	10.37	18.05	32.24	27.54	29.70	22.73	19.54	16.49	22.18	20.68	20.62
Elm	11.47	17.52	36.39	37.89	35.28	30.20	25.37	19.07	23.09	24.09	25.03
Hickory	18.78	30.80	44.37	38.83	40.33	33.00	32.65	29.85	26.27	27.92	31.41
Magnolia	(2)	15.00	28.01	35.84	38.11	27.45	21.51	19.84	27.13	27.60	24.27
Maple	11.83	15.77	35.56	36.31	36.93	34.45	28.80	22.82	30.51	30.84	30.60
Oak	13.78	20.50	37.87	35.23	38.43	29.29	27.68	22.84	28.53	27.54	27.15
Red gum	9.63	13.20	32.68	31.91	34.42	27.67	22.68	16.84	23.01	24.70	24.33
Sycamore	11.04	14.87	30.32	30.06	30.07	26.54	22.40	18.71	22.78	21.52	22.80
Tupelo	(2)	11.87	28.42	25.51	25.39	23.47	19.05	17.40	22.01	22.70	19.65
Walnut	36.49	43.79	72.13	112.54	119.15	100.75	90.44	57.87	77.61	86.60	75.64
Yellow poplar	14.03	25.39	41.65	40.90	41.66	35.19	30.02	26.02	29.91	30.01	28.65

[1] Includes some hardwoods not shown separately. [2] Data are not available.

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

No. 689.—VENEERS: Wood Consumed in Manufacture

NOTE.—**In thousands of feet, log scale.** Total wood consumed for all years for which data are available-not shown in table, follow (figures in thousands of feet, log scale): 1905, 181,146 (compiled by the Forest Service, Department of Agriculture); 1906, 329,186; 1907, 384,523; 1908, 382,542; 1909, 435,981; 1910, 477,479; 1911, 444,886; 1919, 576,581; 1921, 400,388; 1923, 645,793; 1925, 734,599; 1927, 961,561

State	1929	1931	1933	1935
Total	1,112,910	696,350	700,234	829,080
Alabama	43,221	24,364	26,918	25,151
Arkansas	63,363	36,001	24,998	27,325
California	28,698	14,463	16,651	26,832
Florida	96,199	56,657	67,097	62,667
Georgia	40,388	29,762	34,911	38,216
Illinois	15,821	8,539	6,546	12,982
Indiana	30,779	17,147	14,182	22,171
Kentucky	21,437	11,121	10,281	11,111
Louisiana	47,617	31,030	22,898	24,596
Michigan	20,434	11,316	9,786	14,657
Mississippi	75,427	43,798	48,318	49,667
New York	37,377	18,723	15,336	14,858
North Carolina	96,417	52,266	51,216	66,116
Oregon	55,644	23,978	32,616	41,510
South Carolina	48,960	28,194	24,627	46,179
Tennessee	24,710	15,642	17,743	14,643
Texas	32,488	30,965	22,980	19,100
Virginia	24,688	32,314	34,122	32,309
Washington	181,826	135,370	159,990	201,477
Wisconsin	38,724	21,160	10,573	19,229
All other	88,692	53,540	48,445	58,284

Kind of wood	1929	1931	1933	1935
Softwood, domestic	393,622	228,520	282,484	340,510
Douglas fir	162,415	101,293	(1)	201,248
Ponderosa pine	22,717	9,200	(1)	13,100
Spruce	38,198	40,364	(1)	45,512
Yellow pine	119,785	60,128	(1)	71,152
Other	50,507	17,535	(1)	9,498
Hardwood	706,590	463,229	399,693	483,397
Domestic	688,924	455,694	396,666	475,143
Beech	17,358	14,130	(1)	10,961
Birch	47,715	23,213	(1)	23,859
Cottonwood	51,742	43,707	(1)	38,851
Elm	19,459	20,937	(1)	13,195
Maple	35,617	24,563	(1)	26,279
Red gum	285,035	201,297	(1)	221,756
Tupelo	88,123	59,116	(1)	64,514
Walnut	26,893	8,524	(1)	12,754
Yellow poplar	71,989	38,151	(1)	36,088
Other	44,993	22,056	(1)	26,886
Imported	17,666	7,535	3,027	8,254
Not specified	12,698	4,601	18,057	5,173

[1] Data by 'individual kind of wood' not called for on schedule for 1933.

Source: Bureau of the Census, Department of Commerce, except as indicated.

No. 690.—LATH AND SHINGLES: Production

NOTE.—**Lath in thousands and shingles in squares.** Shingles were reported in thousands prior to 1933 and were converted to squares on the basis of 800 shingles to the square

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
1899	2, 523, 998	15, 127, 521	1927	2, 372, 333	8, 054, 835
1909	3, 703, 195	18, 634, 214	1928	1, 903, 887	7, 004, 613
1919	1, 724, 078	11, 490, 880	1929	1, 705, 858	7, 638, 340
1921	1, 970, 696	8, 553, 984	1930	1, 097, 255	4, 955, 138
1922	2, 940, 714	10, 164, 053	1931	614, 250	3, 392, 465
1923	3, 328, 013	9, 383, 586	1932	406, 089	2, 639, 125
1924	2, 961, 200	8, 577, 981	1933	408, 192	3, 662, 250
1925	3, 161, 137	9, 155, 034	1934	416, 308	3, 477, 063
1926	3, 083, 130	7, 510, 433	1935	620, 038	4, 416, 709

State	Lath				Shingles			
	1932	1933	1934	1935	1932	1933	1934	1935
Alabama	8, 870	2, 915	2, 935	19, 268	2, 560	2, 438	2, 867	7, 053
Arkansas	2, 485	8, 553	5, 595	9, 297	3, 171	200	4, 230	7, 141
California	9, 392	7, 829	10, 397	24, 569	20, 999	61, 121	78, 826	107, 404
Florida	30, 348	30, 626	34, 876	55, 174	7, 180	7, 208	14, 281	49, 447
Georgia	600	3, 905	600	5, 540	11, 293	1, 087	6, 180	17, 153
Idaho	13, 676	18, 393	33, 315	45, 492	5, 415	13, 966	16, 851	25, 658
Louisiana	29, 887	18, 033	16, 713	12, 616	23, 323	24, 572	24, 899	14, 446
Maine	10, 529	14, 644	10, 559	12, 323	48, 489	38, 486	54, 731	55, 957
Michigan	2, 176	2, 252	3, 325	7, 399	6, 204	13, 666	8, 774	9, 111
Minnesota	6, 421	9, 979	13, 375	18, 270	----------	----------	337	1, 220
Mississippi	21, 186	25, 683	21, 174	32, 233	3, 743	1, 575	2, 779	3, 686
Montana	4, 361	7, 411	8, 677	10, 416	291	286	57	45
North Carolina	331	907	1, 739	2, 852	3, 748	45	5, 634	20, 947
Oregon	61, 535	69, 170	61, 243	126, 340	227, 416	306, 524	326, 019	452, 457
South Carolina	550	527	1, 080	920	3, 849	14, 313	14, 030	18, 293
Texas	11, 680	12, 844	10, 684	16, 898	1, 000	1, 031	4, 274	4, 690
Virginia	3, 617	5, 144	4, 492	6, 740	88	----------	27	65
Washington	164, 447	134, 595	128, 911	159, 524	2, 265, 729	3, 135, 961	2, 886, 336	3, 556, 916
West Virginia	7, 748	9, 569	8, 378	5, 916	535	230	37	----------
Wisconsin	6, 550	9, 604	15, 154	19, 629	2, 543	38, 178	22, 372	61, 417
All other	9, 700	15, 609	23, 086	28, 622	1, 523	1, 363	3, 522	3, 603

No. 691.—COOPERAGE STOCK: Production of Staves, Heading, and Hoops

NOTE.—Production of wooden hoops in 1923 was 153,954,000; in 1925, 149,167,000; in 1927, 134,596,000; in 1929, 133,054,000; in 1931, 94,311,000; in 1933, 61,161,000; and in 1935, 51,818,000; nearly all elm

Year and kind of wood	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
1909	379, 231	2, 029, 548	20, 691	140, 234
1919	353, 825	1, 121, 324	24, 274	87, 381
1923	222, 507	893, 682	19, 342	80, 477
1925	240, 023	937, 597	23, 052	71, 371
1927	324, 127	961, 782	26, 445	59, 337
1929	357, 353	1, 039, 450	30, 329	72, 591
1931	204, 624	537, 177	20, 090	43, 375
1933	154, 575	426, 585	13, 031	37, 461
1935	221, 619	439, 970	15, 259	35, 992
1935				
Ash	2, 029	12, 214	246	--------
Cottonwood	--------	12, 208	--------	1, 187
Douglas fir	[1] 68, 185	18, 574	[1] 5, 602	957
Elm	--------	31, 682	--------	--------
Hackberry	--------	14, 148	--------	--------
Oak	[2] 147, 222	2, 800	8, 114	201
Pine	(3)	137, 114	(3)	25, 847
Red gum	(4)	149, 282	1, 022	3, 735
Spruce	(3)	49, 608	(3)	2, 807
All other	4, 183	12, 340	275	1, 258

Class and kind of wood	1933	1935	1933	1935
	Staves (thousands)		Heading (thous. sets)	
Tight, total	**154, 575**	**221, 619**	**13, 031**	**15, 259**
Oil, tierce, and pork	80, 099	83, 503	4, 664	4, 865
Softwood	13, 452	7, 305	546	452
Hardwood	66, 647	75, 711	4, 118	4, 360
Not specified	--------	487	--------	53
Whisky, spirit, and wine	17, 806	60, 887	1, 247	4, 371
Softwood	90	29	7	1
Hardwood	17, 716	60, 858	1, 240	4, 370
Beer and ale, hardwood	9, 896	3, 467	1, 409	145
Other and not specified classes	46, 774	73, 762	5, 711	5, 878
Softwood	25, 277	60, 979	2, 704	5, 215
Hardwood	21, 497	10, 509	3, 007	535
Not specified	--------	2, 274	--------	128
Slack, total	**426, 585**	**439, 970**	**37, 461**	**35, 992**
Softwood	266, 748	207, 912	32, 898	29, 654
Hardwood	159, 837	232, 058	4, 563	6, 338

[1] Includes pine and spruce.
[2] Includes red gum.
[3] Included with Douglas fir.
[4] Included with oak.

Sources of tables 690 and 691: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 692.—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 (1,000 dollars)	Cost: Average per cord	Year	Quantity, all species (cords)	Cost: Total (1,000 dollars)	Cost: Average per cord	Year	Quantity, all species (cords)	Cost: Total (1,000 dollars)	Cost: Average per cord
1899	1,986,310	9,838	$4.95	1923	5,872,870	95,306	$16.23	1931	6,722,766	73,524	$10.94
1909	4,001,607	34,478	8.62	1925	6,093,821	94,340	15.48	1932	5,633,123	51,769	9.19
1914	4,470,763	39,408	8.81	1927	6,750,935	95,452	14.14	1933	6,581,674	48,508	7.37
1919	5,477,832	87,386	15.95	1929	7,645,011	100,054	13.09	1934	6,796,659	52,506	7.73
1921	4,557,179	91,589	20.10	1930	7,195,524	88,684	12.32	1935	7,628,274	58,244	7.64

Kind of wood	Total consumption (cords) 1919	1929	1931	1932	1933	1934	1935
Total	**5,477,832**	**7,645,011**	**6,722,766**	**5,633,123**	**6,581,674**	**6,796,659**	**7,628,274**
Spruce:							
Domestic	2,313,419	2,074,267	1,651,051	1,423,836	1,495,061	1,535,299	1,755,112
Imported	873,795	1,029,913	676,339	608,171	576,000	638,127	625,462
Hemlock:							
Domestic	795,154	1,309,170	1,185,272	806,230	1,112,556	1,428,116	1,521,271
Imported		15,379	5,776				
Yellow pine (southern)	234,463	1,036,272	1,294,503	1,279,832	1,560,414	1,459,171	1,785,228
Poplar:							
Domestic	180,160	329,466	266,603	192,461	353,438	241,001	333,773
Imported	158,220	157,829	94,238	85,693		92,271	54,283
Balsam fir:							
Domestic	181,840	317,552	338,790	243,224	261,466	290,385	298,812
Imported	106,974	45,412	55,601	47,835	41,465	86,647	54,313
Jack pine [1]	51,581	205,760	159,273	154,214	178,974	218,116	224,538
Beech, birch, and maple [2]	184,111	76,950	69,681	65,958	93,032	83,996	152,054
Tamarack (larch) [2]	44,042	51,835	35,433	15,652	21,844	12,267	9,587
Yellow poplar [2]	72,605	129,697	73,504	74,151	(3)	73,492	(3)
Gum [2]	30,355	39,685	22,440	17,553	(3)	(3)	29,299
White fir [2]	31,138	111,054	109,277	70,968	154,847	98,166	174,075
Other wood	44,894	153,485	126,942	105,868	252,436	303,161	317,675
Slabs and mill waste	175,081	561,285	558,043	441,477	480,141	236,444	292,792

[1] Principally domestic. [2] Domestic only. [3] Included with "Other wood."

No. 693.—WOOD PULP: Total Production, and by States and Processes

Note.—Tons are of 2,000 pounds. In 1935, 1,205,199 tons of mechanical pulp were not steamed and 150,620 tons steamed; of the sulphite and sulphate pulp, 1,951,372 tons were unbleached and 1,092,568 bleached

Year	Tons [1]	Year	Tons [1]	Year	Tons [1]	Year	Tons [1]
1899	1,179,525	1921	2,875,601	1929	4,862,885	1933	4,276,204
1909	2,495,523	1923	3,788,672	1930	4,630,308	1934	4,436,128
1914	2,893,150	1925	3,962,217	1931	4,409,344	1935	4,925,669
1919	3,517,952	1927	4,313,403	1932	3,760,267		

State and process [1]	1909	1919	1929	1931	1933	1934	1935
Principal States:							
Maine	620,705	916,764	981,433	889,416	778,670	833,107	848,176
Louisiana		(2)	246,590	260,765	382,983	339,602	420,757
New York	679,534	811,958	662,988	466,510	393,615	364,872	403,932
Wisconsin	324,509	506,549	733,617	586,271	515,470	494,300	547,104
Pennsylvania	135,525	215,686	213,083	160,023	123,758	127,541	152,182
New Hampshire	212,599	232,134	212,774	(2)	78,802	(2)	(2)
Michigan	64,369	106,194	178,015	150,111	153,674	169,270	170,151
Minnesota	37,295	129,560	189,664	148,369	154,522	137,096	175,479
Washington	(2)	83,575	523,948	580,016	583,770	709,380	775,722
Vermont	59,356	85,945	26,307	25,601	18,000	14,040	13,003
Virginia	48,641	(2)	206,050	223,417	241,803	235,221	268,732
California	83,692	123,990	256,546				
Oregon				237,532	189,332	240,167	262,221
Other States	229,298	305,597	431,870	681,313	661,805	771,532	888,210
Process:							
Mechanical	1,179,266	1,518,829	1,649,112	1,459,355	1,201,796	1,298,204	1,359,721
Sulphite	1,017,631	1,419,829	1,737,085	1,453,194	1,353,088	1,472,306	1,605,690
Soda	298,626	411,693	520,729	374,054	[3] [4] 459,492	[3] [4] 411,956	[3] 487,523
Sulphate		120,378	915,478	1,036,113	1,261,828	1,253,662	1,472,735
Semichemical			[4] 40,481	[4] 86,628	(3)	(3)	(3)

[1] Beginning 1914 includes screenings except data by process for 1919. [2] Not shown separately.
[3] Soda includes semichemical pulp, combined to avoid disclosing production of individual establishments.
[4] Includes data for a small quantity of low-grade wood pulp not reported by process.

Source of tables 692 and 693: Bureau of the Census, Department of Commerce.

No. 694.—PAPER AND PAPER BOARDS: CENSUS STATISTICS OF PRODUCTION

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars]

Product	Quantity						Value			
	1929	1931	1932 [1]	1933	1934 [1]	1935	1929	1931	1933	1935
Paper and paper boards, total	11,140	9,382	7,998	9,190	9,186	10,506	903,301	631,106	521,553	656,116
Standard newsprint, in rolls and sheets	1,409	1,203	1,047	928	990	948	80,707	63,654	32,206	33,354
Hanging	101	86	61	66	92	105	7,294	5,800	3,346	5,765
Poster, novel, newstablet, lining, etc	151	136	(2)	156	(2)	89	11,743	9,624	8,035	4,601
Catalog	112	89	64	63	62	80	9,571	7,064	4,250	5,777
Book	1,498	1,209	946	1,080	1,055	1,282	168,272	120,283	83,244	112,609
Cover	28	24	14	13	17	21	6,430	4,372	2,104	3,710
Writing (fine)	608	488	424	478	415	514	113,224	77,865	61,330	71,244
Wrapping	1,606	1,402	1,244	1,440	1,357	1,632	163,442	110,885	95,768	127,059
Boards	4,451	3,848	3,303	4,076	4,073	4,723	227,742	149,112	161,181	200,103
Tissue	388	395	359	407	399	473	53,300	45,041	37,711	46,235
Absorbent	91	77	58	80	79	95	16,973	14,774	12,082	15,911
Building	659	395	294	328	328	463	39,376	18,129	14,060	21,085
All other	39	31	183	74	319	81	5,228	4,501	6,236	8,663

[1] Value not reported. [2] Included with "All other."

Source: Bureau of the Census, Department of Commerce.

No. 695.—TURPENTINE AND ROSIN PRODUCTION

Year [1]	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum [2]	From wood [3]	Total	From gum [2]	From wood [3]
1899	37,733,500	37,733,500	(4)	2,434,933	2,434,933	(4)
1904	31,129,236	30,687,051	442,185	1,964,674	1,964,674	(4)
1909	[5] 29,714,132	28,988,954	706,868	1,827,760	1,827,760	(4)
1914	[5] 27,648,939	26,980,981	575,557	[5] 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
1927–28	35,882,258	31,549,082	4,333,176	2,524,000	2,071,813	452,187
1929–30	35,940,124	31,320,871	4,619,253	2,454,186	1,975,631	478,555
1930–31 [6]	34,193,691	29,938,466	4,255,225	2,425,125	1,986,208	438,917
1931–32	27,499,514	24,349,024	3,150,490	1,904,397	1,570,885	333,512
1932–33 [6]	28,756,550	[7] 25,050,000	[8] 3,706,550	2,073,330	[7] 1,703,400	369,930
1933	29,152,200	[9] 25,500,000	3,652,200	2,149,019	[10] 1,700,000	449,019
1933–34 [6]	31,238,050	[7] 26,300,000	[8] 4,938,050	2,297,337	[7] 1,788,060	509,277
1934–35 [6]	30,154,650	[7] 25,500,000	[8] 4,654,650	2,229,122	[7] 1,734,000	495,122
1935–36 [6]	30,145,400	24,850,000	5,295,400	2,276,491	[11] 1,701,187	575,304
1936–37 [6]	31,726,000	24,139,350	7,586,650	2,331,962	[11] 1,607,934	724,028

State	Production from crude gum [1]							
	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1919	1929–30	1935–36	1936–37	1919	1929–30	1935–36 [12]	1936–37 [12]
Alabama	2,037,005	1,993,410	2,281,850	2,553,850	120,839	123,798	160,450	164,705
Florida	6,992,489	9,847,151	7,070,800	6,229,250	486,432	623,188	466,929	409,705
Georgia	3,997,310	15,938,491	13,772,500	13,834,050	234,690	1,002,446	909,407	894,898
Mississippi	1,749,812	1,267,776	502,250	554,000	115,984	81,683	32,271	36,103
Louisiana	1,885,231	1,032,900	236,650	112,250	112,900	70,580	15,311	6,581
Texas	906,404		103,300	93,350	60,179		5,657	5,948
North Carolina	125,590	1,241,143	47,800	34,100	7,636	73,936	3,259	2,260
South Carolina			834,850	728,500			53,716	45,040

[1] The figures of turpentine and rosin from crude gum from 1927–28 to 1932–33 and 1933–34 to 1936–37, and from wood for 1933–34 to 1936–37, refer to the crop year ended Mar. 31. All other figures relate to calendar years.

[2] Compiled from data reported by establishments engaged in the turpentine and rosin industry.

[3] Compiled from data reported by establishments engaged in the wood-distillation industry.

[4] Not reported.

[5] Includes for 1909 and 1914, 18,310 gallons and 92,401 gallons, respectively, of turpentine and for 1914, 4,495 barrels of rosin reported by establishments engaged in the manufacture of lumber and timber products.

[6] Compiled by the Bureau of Chemistry and Soils, Department of Agriculture.

[7] Complete data are not available. Data are estimates by J. E. Lockwood. Figures include estimates of rosin produced from reclaimed gum as follows: 1932–33, 33,400 barrels; 1933–34, 35,060; 1934–35, 34,000.

[8] Includes estimates by J. E. Lockwood for production of turpentine from steam-distilled wood.

[9] Includes 3,989,000 gallons reported to the Control Committee of the Marketing Agreement for Gum Turpentine and Gum Rosin Processors, but not reported directly to the Census Bureau.

[10] Includes 269,000 gallons computed upon the basis of 3½ barrels of rosin to each barrel of turpentine.

[11] Includes 54,187 barrels of rosin produced from reclaimed gum for 1935–36, and 42,694 for 1936–37.

[12] Does not include rosin produced from reclaimed gum. See notes 7 and 11.

Source: Bureau of the Census, Department of Commerce, except as noted.

No. 696.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NOTE.—Values in this table and tables 697 to 699 represent the value of the fish to the fishermen

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	----------	12,503.0	----------	2,742.6	----------	170.6
1902	534,075	12,406.3	242,390	2,918.8	1,593	50.0
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
1929	694,286	29,072.5	162,939	4,897.2	378	52.1
1930	701,351	27,493.5	143,824	4,329.4	1,069	69.1
1931	540,298	20,140.3	116,235	3,443.4	775	66.9
1932	480,521	14,001.3	90,602	2,413.3	744	57.7
1933	499,936	13,485.6	98,498	2,307.1	524	57.1
1935	655,430	17,983.6	112,219	3,309.2	354	61.6

	Massachusetts		Rhode Island		Connecticut	
1880	----------	7,959.8	----------	696.8	----------	933.2
1902	230,646	6,482.4	21,614	1,155.7	37,832	1,799.4
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
1929	447,689	18,052.5	28,401	2,435.3	54,879	3,635.4
1930	442,474	16,289.1	25,972	2,287.3	88,012	4,518.6
1931	355,834	12,951.0	21,683	1,662.8	45,771	2,016.2
1932	347,593	8,928.3	20,536	1,491.4	21,046	1,110.6
1933	373,670	9,507.0	17,366	1,001.3	9,878	613.1
1935	503,417	12,147.9	24,524	1,247.9	14,916	1,217.0

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	408,202	8,677.0	329,453	4,225.7	65,151	3,176.6	1,680	277.0	11,918	997.7
1901	357,888	9,104.7	228,092	3,894.3	117,931	4,755.5	6,030	251.5	5,835	203.4
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
1930	193,868	13,063.7	45,495	4,933.7	97,275	7,474.4	17	2.8	51,081	652.8
1931	164,899	9,211.2	50,994	2,974.1	92,846	5,854.2	76	4.7	20,983	378.2
1932	141,221	4,654.0	64,866	2,333.3	72,595	2,217.8	32	1.7	3,729	101.1
1933	169,754	4,811.1	39,911	2,452.6	93,264	2,146.3	52	3.0	36,527	209.2
1935	279,438	6,415.7	84,939	3,135.4	107,802	2,844.2	31	5.7	86,666	430.4

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
1901	461,159	8,380.8	82,975	3,767.5	378,183	4,613.4
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
1930	316,393	11,472.0	71,099	3,984.7	245,294	7,487.3
1931	293,271	7,428.0	66,634	2,705.8	226,637	4,722.1
1932	359,007	5,905.0	61,626	1,939.7	297,381	3,965.3
1933	272,380	5,060.8	55,362	1,733.8	217,018	3,327.0
1934	289,011	5,943.4	42,210	1,766.5	246,801	4,176.9
1935	265,827	5,524.5	48,235	2,003.6	217,592	3,520.9

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
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
1928	262,118	6,196.2	141,899	2,629.2	7,432	316.8	42,069	866.3	70,718	2,383.9
1929	340,874	5,952.5	217,595	2,544.0	6,135	275.1	43,514	877.2	73,630	2,256.2
1930	275,807	4,270.0	168,938	1,836.4	5,106	252.9	34,873	536.3	66,890	1,644.4
1931	150,393	3,066.6	98,161	1,087.6	5,837	211.5	7,350	251.1	39,045	1,516.4
1932	154,304	2,383.5	86,214	826.7	4,536	123.4	16,523	185.9	47,031	1,247.5
1934	261,080	3,624.1	163,462	1,672.2	5,891	225.3	27,141	359.5	64,586	1,367.1

No. 696.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

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
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
1928	191, 007	9, 866. 3	61, 121	3, 866. 5	14, 466	586. 8
1929	194, 521	8, 951. 2	72, 323	3, 863. 7	9, 025	410. 3
1930	141, 953	5, 015. 3	53, 525	2, 077. 0	7, 113	315. 5
1931	138, 917	6, 794. 9	45, 009	3, 001. 4	6, 168	222. 8
1932	145, 613	4, 044. 8	56, 260	1, 725. 9	6, 106	168. 6
1934	186, 834	6, 369. 6	54, 215	2, 267. 6	7, 964	253. 4

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
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
1928	30, 701	1, 060. 1	69, 507	3, 477. 9	15, 212	875. 0
1929	34, 629	1, 005. 3	61, 920	2, 764. 6	16, 624	907. 3
1930	15, 736	740. 1	49, 886	1, 960. 4	15, 693	777. 5
1931	22, 985	595. 4	45, 704	1, 330. 3	19, 051	789. 8
1932	20, 603	497. 4	48, 340	1, 180. 6	14, 304	472. 3
1934	22, 153	652. 3	76, 633	2, 284. 6	25, 869	911. 7

PACIFIC COAST STATES AND ALASKA

Calendar year	Pacific Coast States								Alaska	
	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	1,000 pounds	1,000 dollars
1888	87, 043	4, 010. 0	20, 468	811. 0	26, 048	734. 0	40, 527	2, 465. 0	----------	----------
1899	206, 911	6, 278. 6	119, 340	2, 871. 4	22, 752	855. 7	64, 819	2, 551. 5	----------	----------
1908	193, 056	6, 839. 0	111, 356	3, 513. 0	28, 221	1, 356. 0	53, 479	1, 970. 0	----------	----------
1915	304, 796	9, 300. 7	176, 594	5, 317. 1	34, 693	1, 495. 5	99, 509	2, 488. 1	----------	----------
1925	627, 025	24, 580. 5	139, 457	9, 476. 4	40, 008	3, 442. 4	447, 560	11, 661. 7	616, 136	9, 860. 7
1928	705, 112	20, 512. 8	88, 991	7, 500. 8	27, 474	2, 686. 3	588, 647	10, 325. 7	699, 289	17, 797. 3
1929	1, 034, 434	25, 038. 4	152, 224	9, 562. 8	25, 284	2, 605. 2	856, 926	12, 870. 4	651, 423	17, 084. 3
1930	833, 389	23, 064. 1	110, 039	8, 334. 8	26, 459	2, 256. 3	696, 891	12, 473. 0	620, 702	12, 755. 6
1931	597, 307	13, 512. 2	140, 491	5, 121. 8	25, 819	1, 282. 2	430, 997	7, 108. 2	598, 125	10, 043. 4
1932	560, 828	9, 484. 3	94, 959	3, 378. 0	22, 986	728. 7	442, 883	5, 377. 6	606, 520	7, 062. 5
1933	860, 161	13, 988. 0	128, 729	5, 683. 9	24, 533	1, 209. 8	706, 899	7, 094. 3	630, 774	9, 157. 9
1934	1, 546, 102	19, 950. 1	113, 469	6, 305. 1	26, 458	1, 456. 7	1,406,175	12, 188. 3	819, 269	11, 957. 9
1935	1, 676, 236	23, 088. 8	124, 086	6, 328. 7	85, 392	2, 076. 8	1,466,758	14, 683. 3	648, 710	9, 093. 2

GREAT LAKES

Calendar year	Total [1]		Lake Superior		Lake Michigan		Lake Huron		Lake Erie	
	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
1885	99, 842	2, 691. 9	8, 826	291. 5	23, 518	878. 8	11, 457	276. 4	51, 457	1, 109. 1
1899	113, 727	2, 611. 4	5, 430	150. 9	34, 500	876. 7	12, 418	308. 1	58, 394	1, 150. 9
1908	106, 631	3, 768. 0	10, 198	342. 0	40, 019	1, 554. 0	12, 932	486. 0	41, 922	1, 280. 0
1917	104, 269	6, 295. 0	15, 447	726. 7	35, 461	2, 270. 9	13, 363	857. 5	38, 710	2, 327. 3
1927 [2]	81, 327	6, 794. 9	15, 302	918. 1	23, 681	2, 354. 8	15, 711	1, 444. 4	23, 796	1, 831. 3
1928 [2]	63, 368	5, 960. 8	13, 132	772. 7	17, 999	2, 332. 5	9, 943	1, 024. 0	19, 643	1, 573. 9
1929 [2]	85, 389	6, 787. 7	17, 148	835. 2	35, 616	3, 460. 9	10, 477	927. 5	18, 648	1, 268. 1
1930 [2]	94, 948	6, 050. 3	14, 694	695. 3	30, 973	2, 159. 0	16, 377	1, 319. 9	29, 540	1, 655. 5
1931 [2]	91, 727	6, 029. 2	11, 281	627. 8	25, 059	1, 991. 5	17, 727	1, 510. 2	34, 772	1, 698. 9
1932 [2]	83, 744	4, 331. 8	10, 173	379. 3	20, 692	1, 236. 3	15, 848	1, 143. 1	33, 670	1, 439. 3
1933	74, 604	4, 050. 4	10, 653	478. 1	21, 682	1, 411. 6	13, 351	954. 9	26, 187	1, 067. 7
1934	96, 411	5, 123. 7	17, 533	722. 8	28, 444	1, 837. 1	14, 512	954. 9	32, 809	1, 433. 3

[1] Includes, in addition to the lakes shown, small amounts for Lake Ontario and also prior to 1927, Lake St. Clair and St. Clair and Detroit Rivers and beginning 1927, Lake-of-the-Woods, Namakan Lake, and Rainy Lake.

[2] Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries.

No. 696.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

MISSISSIPPI RIVER AND TRIBUTARIES

Year	Total		Tributary	1922		1931	
	1,000 pounds	1,000 dollars		1,000 pounds	1,000 dollars	1,000 pounds	1,000 dollars
1894	44,545	1,384.6	Arkansas River [4]	2,034	136.3	777	49.9
1899	96,797	1,781.0	Atchafalaya River [5]	4,579	254.7	9,231	523.1
1903	93,374	1,841.2	Cumberland River	728	14.7	106	13.0
1908	148,284	3,125.0	Illinois River [5]	12,661	617.3	5,985	159.7
1922	105,734	4,503.5	Missouri River [5]	1,232	105.2	1,051	94.3
1931	82,383	2,897.4	Ohio River [3]	7,458	379.1	1,221	96.5
	Mississippi River [3]		Red River [6]	6,677	324.5	6,417	277.4
			St. Francis River [6]	3,684	108.9	2,173	65.6
			Tennessee River [6]	4,990	98.3	5,222	75.0
			Wabash River [6]	12,063	357.8	8,388	152.0
1894	21,242	587.8	White River (Missouri and Arkansas)[6]	14,662	405.9	12,363	256.7
1899	68,604	823.0	Yazoo River [4]	1,022	55.6	1,311	57.8
1903	53,851	1,157.4					
1922	33,945	1,645.3					
1931	28,139	1,076.3					

[3] Including minor tributaries.
[4] Includes tributaries in 1931.
[5] Not included with Mississippi River and tributaries, 1899 to 1908.
[6] Including tributaries.

No. 697.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA, 1935 [1]

Section	Fishermen	Fishing vessels	Fishing boats	Products	
				Quantity	Value
	Number	Number	Number	1,000 pounds	1,000 dollars
Total	125,337	4,415	69,005	4,152,349	80,121
New England States	18,449	621	9,080	655,430	17,984
Middle Atlantic States	9,620	391	5,081	279,438	6,416
Chesapeake Bay States	19,116	287	12,731	265,827	5,524
South Atlantic and Gulf States [1]	24,898	740	14,398	447,914	9,994
Pacific Coast States	20,583	1,041	6,110	1,676,236	23,089
Lake States [1]	7,579	490	3,070	96,411	5,124
Mississippi River States [1]	15,884	----------	14,546	82,383	2,897
Alaska	9,208	845	3,989	648,710	9,093

[1] Figures for the South Atlantic and Gulf and Lake States are for 1934, and figures for the Mississippi River States are for 1931.

No. 698.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY UNITED STATES VESSELS, AND FISH RECEIVED BY SEATTLE WHOLESALE DEALERS

Specie	Quantity in thousands of pounds				Value in dollars			
	1933	1934	1935	1936	1933	1934	1935	1936
Grand total	43,353	44,363	48,291	49,832	2,443,235	2,754,582	3,008,581	3,254,514
Landed by U. S. vessels [1]	24,085	23,944	25,157	27,060	1,491,970	1,648,127	1,869,768	2,201,774
Halibut	22,127	20,559	21,406	23,450	1,431,431	1,522,237	1,732,739	2,061,573
Sablefish	1,280	2,259	2,813	2,338	39,765	86,001	105,969	98,037
Lingcod	471	737	675	833	13,735	24,900	21,195	27,419
Rockfishes	207	389	263	439	7,039	14,989	9,865	14,745
Received by wholesale dealers [2]	19,268	20,419	23,134	22,772	951,265	1,106,455	1,138,813	1,052,740
Salmon:								
Humpback or pink	2,524	5	1,611	4	63,751	103	37,465	77
Chum or keta	3,985	3,864	5,392	3,527	111,691	94,760	168,923	83,931
King or spring	5,127	7,189	4,749	7,308	367,802	585,485	353,230	529,150
Coho or silver	4,759	6,240	6,949	4,594	272,337	302,182	398,301	220,195
Sockeye or red	391	53	143	12	30,808	4,026	18,417	1,234
Trout, steelhead	237	----------	----------	----------	17,828	----------	----------	----------
Smelt	258	440	437	521	12,032	17,048	16,690	21,861
Sole	548	954	2,083	3,792	15,350	32,265	55,146	73,540
Crabs	595	602	712	1,015	36,000	40,456	53,288	76,584
Miscellaneous	844	1,072	1,058	1,999	23,666	30,130	37,353	46,168

[1] Halibut fleet.
[2] Does not include fish received from Alaska or Canada.

Source of tables 696, 697, and 698: Bureau of Fisheries, Department of Commerce.

No. 699.—FISHERIES: Products Landed at Boston and Gloucester, Mass., and Portland, Maine, 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:									
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
1928	277,982	59,302	155,331	8,423	8,040	2,358	3,385	24,253	16,890
1929	327,096	50,647	187,204	12,051	10,565	3,483	2,696	37,743	22,707
1930	350,801	66,616	189,371	15,618	13,980	4,433	2,581	33,513	24,689
1931	263,685	60,645	132,846	7,755	7,631	4,265	2,571	29,524	18,448
1932	252,334	59,551	120,117	7,745	7,850	3,069	2,356	38,096	13,550
1933	267,157	73,842	129,862	7,197	12,395	3,430	2,139	22,444	15,848
1934	311,278	90,619	134,674	7,178	21,312	3,932	1,888	30,547	21,128
1935	373,118	88,092	157,002	10,587	27,885	5,524	2,345	40,848	40,835
1936	414,767	81,380	143,881	11,937	34,407	7,270	2,198	28,760	105,024
Boston:									
1934	255,055	72,423	125,663	4,297	9,214	2,621	1,753	21,006	18,078
1935	307,372	70,750	147,785	8,098	13,754	3,877	2,036	27,014	34,058
1936	339,225	69,856	135,764	8,793	14,160	5,801	2,060	21,013	81,778
Gloucester:									
1934	40,130	13,320	4,897	563	11,142	189	5	8,295	1,719
1935	51,264	13,355	4,799	227	13,283	180	224	13,784	5,412
1936	59,413	8,234	3,977	753	17,147	156	43	7,393	21,710
Portland:									
1934	16,093	4,876	4,114	2,318	956	1,122	130	1,246	1,331
1935	14,482	3,987	4,418	2,262	848	1,467	85	50	1,365
1936	16,129	3,290	4,140	2,391	3,100	1,313	95	264	1,536
	Value in thousands and tenths of thousands of dollars								
All three ports:									
1925	8,115.6	2,321.2	2,747.7	173.7	147.6	84.6	655.2	1,191.0	794.4
1926	9,068.6	2,647.5	3,082.9	146.2	153.7	69.6	671.2	1,406.0	891.0
1927	9,404.5	2,146.5	3,531.7	156.5	171.8	71.4	839.9	1,295.0	1,191.0
1928	10,849.1	2,198.7	5,036.5	221.7	174.4	62.7	609.0	1,355.9	1,190.2
1929	13,051.7	1,983.5	6,845.3	405.1	243.5	102.9	484.5	1,382.4	1,604.5
1930	12,785.5	2,208.1	6,645.8	394.9	263.8	113.2	443.0	1,157.6	1,559.1
1931	9,249.3	1,758.4	4,434.4	178.0	113.7	83.2	375.9	1,225.7	1,080.0
1932	6,083.9	1,301.5	2,906.8	136.6	85.7	45.8	261.2	618.4	727.9
1933	6,850.9	1,641.7	3,374.0	144.3	158.8	49.3	226.1	498.2	758.5
1934	8,261.3	2,324.1	3,753.7	188.0	329.4	78.4	217.7	552.5	817.5
1935	9,004.7	2,096.0	3,877.6	245.2	532.6	109.5	229.8	724.6	1,189.4
1936	11,143.5	2,268.8	4,460.7	324.6	665.4	168.5	229.6	789.6	2,236.3
Boston:									
1934	7,110.3	1,875.3	3,536.6	122.5	158.8	52.7	206.1	422.6	735.7
1935	7,732.8	1,698.3	3,694.1	196.1	276.9	76.2	205.4	540.1	1,045.7
1936	9,588.1	1,958.2	4,244.2	254.0	335.7	132.1	218.1	595.1	1,850.7
Gloucester:									
1934	755.7	323.4	102.2	16.8	160.7	2.4	.3	116.6	33.3
1935	935.0	301.8	79.5	5.0	246.6	1.8	14.5	183.5	102.3
1936	1,171.7	226.1	109.1	16.4	280.4	2.9	3.0	183.7	350.1
Portland:									
1934	395.3	125.4	114.9	48.7	9.9	23.3	11.3	13.3	48.5
1935	336.9	95.9	104.0	44.1	9.1	31.5	9.9	1.0	41.4
1936	383.7	84.5	107.4	54.2	49.3	33.5	9.5	10.8	35.5

No. 700.—CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA: Value

NOTE.—**Values in thousands of dollars.** See also census statistics of fish canning, tables 676 and 781

Product	1929	1930	1931	1932	1933	1934	1935	1936
Total value	124,833	106,579	79,514	56,216	77,258	102,344	104,480	129,550
Salmon	56,086	42,835	38,083	26,460	36,242	45,818	32,475	50,061
California sardines	11,997	8,742	4,715	2,358	3,805	5,481	6,237	7,302
Maine and Massachusetts sardines	6,898	4,459	2,647	1,370	2,397	3,315	3,143	5,740
Tuna and tunalike fishes	9,873	13,056	7,279	6,183	6,934	10,010	12,824	14,715
Shrimps and crabs	5,559	5,017	3,995	2,676	3,623	4,595	4,840	4,942
Clams	2,548	2,666	2,257	1,797	1,766	2,713	2,677	2,976
Oysters	2,732	1,837	964	1,008	1,076	1,722	2,045	2,173
Miscellaneous canned products	5,372	4,246	3,009	1,897	3,957	6,209	8,753	6,749
Menhaden—meal, scrap, and oil	3,630	2,674	1,140	1,180	1,587	2,328	2,636	3,021
Miscellaneous byproducts	20,138	21,047	15,425	11,286	15,871	20,152	26,850	31,871

Source of tables 699 and 700: Bureau of Fisheries, Department of Commerce.

No. 701.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[Quantity in thousands and tenths of thousands of 48-pound cases, value in thousands and tenths of thousands of dollars]

Specie	Quantity				Value			
	Total	Washington	Oregon and California	Alaska	Total	Washington	Oregon and California	Alaska
Total, all species:								
1929	6,990.7	1,278.5	342.1	5,370.1	56,085.7	10,922.4	4,693.9	40,469.4
1930	6,086.4	708.7	345.2	5,032.5	42,835.9	8,364.4	4,775.6	29,695.9
1931	6,740.0	1,068.7	267.5	5,403.8	38,083.2	6,134.1	2,852.2	29,096.9
1932	5,909.0	412.3	242.2	5,254.5	26,460.1	2,632.2	2,112.0	21,715.9
1933	6,362.5	848.9	288.0	5,225.6	36,241.9	5,217.4	2,648.5	28,376.0
1934	8,383.0	596.1	305.1	7,481.8	45,817.9	5,293.1	2,912.8	37,612.0
1935	6,027.9	620.8	274.0	5,133.1	32,475.3	3,930.3	2,776.9	25,768.1
1936	8,965.2	270.7	256.9	8,437.6	50,061.1	2,396.6	2,912.9	44,751.6
Coho or silver:								
1934	371.7	71.9	63.7	236.1	2,303.5	509.2	560.6	1,233.7
1935	366.6	88.9	87.6	190.1	2,621.0	652.8	751.0	1,217.2
1936	291.6	35.2	34.1	222.3	2,058.4	314.9	297.4	1,446.1
Chum or keta:								
1934	855.3	88.2	26.4	740.7	3,149.3	347.7	99.8	2,701.8
1935	897.8	25.4	19.5	852.9	3,441.3	101.4	70.8	3,269.1
1936	1,245.0	105.1	38.8	1,101.1	4,465.1	385.5	140.7	3,938.9
Humpback or pink:								
1934	3,827.7	3.6	--------	3,824.1	15,685.3	19.5	--------	15,665.8
1935	3,620.7	376.6	--------	3,244.1	15,026.9	1,606.5	--------	13,420.4
1936	4,560.0	.2	--------	4,559.8	17,979.1	.9	--------	17,978.2
King, chinook, or spring:								
1934	323.9	74.1	196.9	52.9	3,166.5	766.1	2,038.4	362.0
1935	257.7	67.3	154.0	36.4	2,885.6	736.3	1,832.6	316.7
1936	278.1	62.5	163.7	51.9	3,429.8	777.6	2,239.7	412.5
Red or sockeye:								
1934	2,988.3	355.2	5.1	2,628.0	21,359.6	3,630.7	80.2	17,648.7
1935	870.5	60.1	.8	809.6	8,367.9	811.5	11.7	7,544.7
1936	2,571.2	63.9	4.8	2,502.5	21,924.1	880.7	67.5	20,975.9
Steelhead:								
1934	16.1	3.1	13.0	--------	153.7	19.9	133.8	--------
1935	14.6	2.5	12.1	--------	132.6	21.8	110.8	--------
1936	19.3	3.8	15.5	--------	204.6	37.0	167.6	--------

Source: Bureau of Fisheries, Department of Commerce.

No. 702.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

Product	Quantity in thousands of unit specified						Value in thousands of dollars				
	Unit	1925	1930	1934	1935	1936	1925	1930	1934	1935	1936
Total	--------	--------	--------	--------	--------	--------	40,039	37,679	41,963	31,231	50,455
Salmon:											
Canned	Case	4,460	5,032	7,482	5,133	8,438	31,990	29,695	37,612	25,768	44,752
Fresh and frozen	Pound	5,193	7,909	6,829	7,468	10,750	395	679	405	440	749
Cured, all forms	do	6,895	6,979	5,360	6,853	6,828	1,297	1,096	703	1,093	957
By-products	do	1,738	2,703	1,268	1,539	1,895	60	62	29	32	39
Halibut, fresh and frozen.	do	10,972	31,557	13,221	9,806	13,566	884	2,991	805	608	889
Herring:											
Fresh and frozen	do	--------	79	--------	40	--------	--------	4	--------	1	--------
Cured for food	do	35,171	8,765	8,276	16,582	11,484	2,323	496	475	851	550
Bait	do	7,087	9,298	6,392	5,959	6,298	39	103	52	51	57
By-products	do	34,806	50,002	55,738	58,566	56,406	1,490	1,531	1,076	1,471	1,468
Cod	do	2,854	322	493	148	249	129	17	20	7	12
Sablefish	do	1,043	449	215	565	749	45	21	9	23	32
Other fish	do	142	484	342	288	68	10	26	9	6	5
Shrimps	do	520	514	381	384	479	207	211	120	129	162
Crabs	do	206	107	643	499	473	53	35	208	163	159
Clams	do	2,066	853	391	446	390	492	242	189	198	202
Whales:											
Oil	do	7,224	7,034	6,656	7,696	6,446	556	417	213	359	296
Fertilizer	do	2,444	2,340	2,698	2,678	2,368	57	51	38	31	38
All other	do	797	43	--------	--------	198	12	2	--------	--------	88

Source: Bureau of Fisheries, Department of Commerce.

No. 703.—CANNED SALMON: Output and Prices of Alaska Product

Yearly average or year	Total value of pack (thousands of dollars)	Output, equivalent in thousands of cases of forty-eight 1-pound cans						Average price in dollars per case of forty-eight 1-pound cans				
		Total	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1911-1915	16,398	3,835	131	485	1,304	52	1,863	4.45	2.85	3.07	5.11	5.54
1916-1920	39,897	5,293	220	1,079	1,936	77	1,982	8.73	5.35	6.10	9.94	10.20
1921-1925	29,458	4,378	158	691	1,848	40	1,641	6.68	4.29	4.72	9.53	10.02
1923	32,873	5,036	164	526	2,448	38	1,859	5.74	4.65	4.86	8.56	9.24
1924	33,007	5,295	184	1,028	2,601	34	1,448	6.83	4.68	4.93	8.89	9.53
1925	31,990	4,460	161	1,079	2,111	50	1,060	9.72	4.44	5.28	11.91	13.12
1926	46,080	6,653	203	902	3,338	52	2,157	8.40	5.01	5.39	10.37	9.89
1927	30,016	3,572	253	508	1,421	70	1,320	8.51	5.47	5.87	11.25	12.08
1928	45,384	6,084	299	996	2,787	54	1,948	7.12	6.06	6.56	11.13	9.41
1929	40,469	5,370	172	864	2,572	72	1,690	7.59	5.35	6.06	11.92	10.71
1930	29,695	5,032	332	600	3,189	60	851	8.26	3.60	4.17	13.32	12.57
1931	29,096	5,404	170	534	2,954	52	1,694	6.51	3.19	3.46	9.40	9.20
1932	21,716	5,254	148	821	2,113	70	2,103	4.12	2.79	3.14	5.46	5.61
1933	28,376	5,226	163	659	2,183	41	2,180	5.20	4.12	4.52	7.51	6.71
1934	37,612	7,482	236	741	3,824	53	2,628	5.23	3.65	4.10	6.85	6.72
1935	25,768	5,133	190	853	3,244	36	810	6.40	3.83	4.14	8.70	9.32
1936	44,752	8,438	222	1,101	4,560	52	2,503	6.51	3.58	3.94	7.95	8.38

No. 704.—FISH PROPAGATION: Output of Fish Eggs, Fry, and Fingerlings, by United States Bureau of Fisheries, Years Ended June 30

[All quantities expressed in thousands]

Year	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
1920	4,770,356	630,749	3,872,218	267,388	130.11
1925	5,301,862	1,050,393	4,114,514	136,954	135.61
1927	6,481,073	1,523,458	4,767,113	190,502	116.30
1928	7,036,317	2,253,244	4,521,439	261,634	119.37
1929	7,060,369	2,861,236	4,062,948	136,185	125.55
1930	7,570,482	2,553,481	4,766,831	250,170	120.50
1931	7,121,805	2,327,421	4,474,344	320,040	138.41
1932	7,073,935	2,808,231	4,117,085	148,619	141.90
1933	7,202,155	2,677,817	4,342,000	182,338	117.70
1934	3,258,131	2,169,766	961,997	126,368	176.40
1935	5,071,725	3,381,794	1,556,246	133,683	117.22
1936	8,171,300	5,421,627	2,588,962	160,611	79.55

Specie	1936			Specie	1936		
	Eggs	Fry	Fingerlings		Eggs	Fry	Fingerlings
Catfish			6,673	Pike and pickerel			775
Buffalofish	142,337		1,218	Crappie			16,188
Carp	60,500		3,278	Black bass:			
Shad		12,150		Largemouth		623	3,641
Whitefish		38,080		Smallmouth		1,255	270
Lake herring	400	2,740		Rock bass			122
Chinook salmon		21	53,608	Warmouth bass			53
Chum salmon		14,139	9	Sunfish			17,504
Silver salmon	25	345	4,991	Pike perch	504,965	9,670	
Sockeye salmon		11,038	6,578	Yellow perch	11,605	307,958	147
Steelhead trout	600		809	Freshwater drum			3
Atlantic salmon	1,000		560	White bass			17
Landlocked salmon		68	710	Miscellaneous fishes			1,416
Rainbow trout	2,758		12,136	Mackerel		1,334	
Blackspotted trout	10,227		12,003	Cod	3,416,733	261,662	
Lock Leven trout	7,867	1,105	4,576	Haddock	419,976	9,588	
Lake trout	81	713	114	Flatfish (flounder)	43,854	1,435,283	
Brook trout	4,518	836	12,939	Pollock	793,831	475,458	
Grayling	350	4,898	273				

[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.

Sources of tables 703 and 704: Bureau of Fisheries, Department of Commerce.