

6.—A REVIEW OF THE FOREIGN FISHERY-TRADE OF THE UNITED STATES.

By CHARLES H. STEVENSON.

SYNOPSIS.

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INTRODUCTION.

Importance of the foreign trade.—There are few things of greater or more lasting benefit to the fishermen of the United States than the extension of the markets for their products. It is the demand for the produce of the fisheries that places a value upon them, and the variation of this demand is the principal regulator of prices. In the case of some items—certain smoked and canned fish and oils, for instance—the foreign demand is of as much importance as the home market, and the increase or decrease of that demand is of great consequence to fishermen and preparators of those products. In considering the methods of benefiting the fishing interests of this country it is important, therefore, that due attention be paid to increasing the trade in those products that are at present consumed largely in foreign countries.

There is also the possibility of an increase in foreign trade through the preparation of other fishery products in ways suited to foreign markets, by means of which many resources of this country, at present unrecognized or neglected, could be utilized and made to yield addi-

tional income to the fishermen. The development of this trade is retarded by the fact that few dealers or preparators of fishery products have opportunities of becoming acquainted with the foreign markets, the kind of articles that may be disposed of, and the methods of preparation suited to the foreign demands. The building up of trade in those countries is accompanied with many difficulties. Preparators and producers must cater to the foreign markets with energy equal to that exercised in the domestic trade, and should possess accurate knowledge of the present condition and requirements of the trade with those countries.

At one time a very large portion of the exports of this country consisted of dried codfish. In 1774 the value of exported cod was upward of \$1,000,000, representing one-sixth of the whole export trade of the United States, for the aggregate value of the exports was then but \$6,165,413. In 1804 the value of the exports of the United States was \$41,467,477, of which cod represented \$2,400,000, the proportion being as 17.2 to 1. In 1857, however, the total domestic exports of the United States were valued at \$338,985,065, of which the value of cod was only \$570,348, the proportion being as 594 to 1. The decrease in the value of exported codfish since 1804 was \$1,829,652, while the increase in the value of the other exports was \$297,517,588.

Since 1857 considerable foreign trade has been developed in pickled and canned fish and miscellaneous fishery products; so that, while in 1894 the exports of cod were but \$704,652, the aggregate value of the fishery exports was \$4,258,306, out of a total export trade of \$869,204,937, the proportion being as 1 to 204.

The principal fishery exports at the present time are canned salmon, dried cod, fresh and canned oysters, whalebone, spermaceti, smoked and pickled herring, pickled mackerel, and whale and fish oils.

The total value of domestic fishery products exported from 1790 to 1894, inclusive, approximates \$331,000,000, of which \$115,956,126 represents the exports during the last twenty years.

The possibilities for increasing our exports are apparent from an examination of the following summary compiled from the "British Statistical Abstract for the Principal and Other Foreign Countries," and from other trade reports, showing the total imports of fishery products into several of the principal foreign countries and the imports from the United States. While the value of this summary is necessarily limited by the lack of returns for many countries, especially for those in South America and the West Indies, and by the limited classification in most of the countries here named, yet it clearly indicates the small share that this country has in supplying the foreign fishery markets.

Statement of the imports of fishery products into several of the principal foreign countries and the imports from the United States during the year 1893.

Designation.	Total imports.		Imports from United States.	
	Quantity.	Value.	Quantity.	Value.
China (including Hongkong):				
Beche-de-mer	5,535,333	\$1,046,082		
Seaweed and agar-agar	60,582,000	887,642		
All other fishery products	44,600,533	3,092,334		*\$178,807
Total China	110,717,866	5,026,058		178,807
Denmark:				
Fresh fish	12,382,071	843,128		
Preserved or salted fish	27,618,099	497,480		*365
Total Denmark	40,000,170	1,340,608		365
France:				
Fresh fish	16,744,607	1,606,622		
Salted, dried, or smoked fish	103,117,129	5,680,487		
Sardines and other prepared fish	8,399,362	964,834	154,039	26,971
Oysters, fresh and canned		12,100		534
Lobsters and other crustacea, fresh	3,067,963	537,165		
Lobsters, canned or prepared	3,257,568	627,309	1,957,275	370,966
Mussels and other shellfish	15,633,898	273,730		
Fish bladders, sounds, and roe	9,852,243	259,366	178,246	4,691
Marine oils	12,211,154	1,206,868	376,788	17,832
Spermaceti	21,612	6,621	12,339	3,781
Sponges	1,364,656	1,854,891	153,524	201,602
Whalebone	477,062	1,461,741	106,784	327,192
Coral, pearls, etc.		948,083		
Total France		15,499,907		959,569
German Empire:				
Herring	281,357,000	6,744,908		
Italy:				
Fish of all sorts	101,167,894	5,795,790		*2,290
Portugal:				
Cod	43,126,385	1,789,500	*4,100	*204
Russia:				
Fish, salted or dried	287,007,104	4,001,484		
Spain:				
Cod and stock fish, salted	97,811,488	4,793,278		
Sweden:				
Fish, fresh, salted, etc.	96,554,990	2,130,064		*154
United Kingdom:				
Fresh fish	134,153,488	2,429,766	41,064	7,413
Salted or prepared fish	115,400,320	9,095,814	13,896,730	1,468,912
Shellfish, all sorts	30,715,016	1,354,453	17,542,784	522,802
Isinglass	900,144	444,701		
Marine oils	32,237,120	2,014,604	3,568,320	150,890
Marine shells		2,210,893		*51,028
Sponges	1,325,133	893,465	135,562	64,320
Whalebone	352,016	637,024	*3,002	*9,091
Total United Kingdom		19,080,720		2,274,516
Grand total		67,105,037		3,415,914

* From Report on Commerce and Navigation for year ending June 30, 1894.

It is important that attention be paid not only to the foreign markets, but also to the preparation of articles to take the place of foreign products in our domestic trade. The list of fishery imports contains a large number of articles for the production of which the United States has abundant resources, and the trade is enjoyed by foreign countries because of greater care or peculiar methods in preparation.

As the fisheries formed one of the principal sources of wealth of the early settlers of this country, it is not strange that for many years little necessity should have existed for the importation of fishery products. But as the wealth of the people increased and the trade facilities were enlarged, the demand for foreign preparations gradually extended. About the beginning of the present century these importations were confined almost exclusively to dried cod and pickled herring from the British Provinces in North America. But the demands of the domestic markets have so increased that, notwithstanding the remarkable resources of the United States and the extensive development and energetic prosecution of the fisheries, the foreign preparations during recent years have unduly competed with the domestic products. During the fiscal year ending June 30, 1894, for instance, the value of the fishery imports for consumption was \$6,276,903, while the domestic exports were worth but \$4,258,306, an excess in favor of the former of \$2,018,597. In 1893 the excess of imports over exports was \$2,166,811, in 1892 it was \$1,283,859, and in 1891 only \$769,458. In 1890 the exports exceeded the imports by \$1,646,825, and in 1889 by \$1,698,994. It thus appears that during the last six years there has been a constant increase in the dependence of the United States on foreign countries for fishery products.

As a suggestion of the practicability of increasing the fishery exports of the United States, in addition to more actively competing with foreign fishery products in the domestic markets, this paper is presented, comprising a general review of the principal features of the trade.

Sources of information.—The data on which this report is based have been obtained from various sources. The figures showing the value of the fishery imports and exports since 1820 have been compiled from the custom-house returns as published by the United States Treasury Department in the Annual Report on Commerce and Navigation. The United States statutes have furnished the rates of duty exacted on the products imported into this country. The present rates of duty imposed on fishery products imported into foreign countries have been compiled from the International Customs Journal, published by the International Customs Tariff Bureau, Brussels, Belgium, and from the publications of the Bureau of American Republics.

The writer acknowledges with much pleasure the suggestions received from Dr. Hugh M. Smith in the preparation of this paper, and the assistance rendered by Mr. John N. Cobb and other employees of the division of fisheries in comparing and verifying the tables.

I.—THE BALANCE OF TRADE.

Annual trade since 1820.—The extent of the foreign fishery-trade of the United States is exhibited in Table 1, showing for a series of 74 years, ending June 30, 1894, the value of the fishery products imported for consumption, the domestic exports, and the balance of trade each year. For the years prior to 1869 it is impracticable to show with exactness the imports for consumption during each year. Hence the difference between the total imports and the foreign exports is accepted as a true statement of the imports for consumption. For convenience of comparison the imports of fishery products and the foreign exports are set forth in the first and second columns, respectively.

The general statement of "imports" embraces all entries of imported articles made at the custom-houses either for immediate consumption or for warehouse. Of the warehouse entries, portions may be subsequently exported, and are then classed as foreign exports.

The statement of "imports for consumption" includes the entries of all articles for immediate consumption and the withdrawals from warehouse for consumption in this country.

The general statement of "imports" and the statement of "imports for consumption" for any period always differ to the extent that the quantity and value of entries for warehouse for the period differ from the quantity and value of withdrawals from warehouse for consumption; and this for a series of years differs little from the extent of the foreign exports.

The term "imported for consumption" is a technical designation, and does not necessarily imply that the goods were actually consumed, but simply that they were delivered into the custody of the importer, and that the duties have been paid.¹

Whenever used in this report, unless otherwise stated, the term "exports" comprises only domestic exports, and does not include foreign merchandise transhipped in bond through this country.

From 1821 to 1894, inclusive, the total imports for consumption aggregated \$152,735,501, and the domestic exports \$274,096,530, an excess over the imports for consumption of \$121,361,029. The total imports of fishery products during this period were valued at \$167,422,617, and the foreign exports at \$14,339,675.

These figures include not only the articles most generally classed as products of the fisheries, such as all fresh, dried, pickled, and canned fish and shellfish, marine oils, spermaceti, fish sounds and whalebone, but also shells of marine mollusks, sponges, corals, seaweeds, ambergris, ambergris oil, etc.

¹ Commerce and Navigation of the United States, 1894, p. ix.

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1. Statement of the foreign fishery-trade of the United States during each year from 1821 to 1894, inclusive.

Year ending—	Imports.	Foreign exports.	Imports for consumption.	Domestic exports.	Excess of imports for consumption over domestic exports.	Excess of domestic exports over imports for consumption.
Sept. 30, 1821.....	\$13, 186	\$3, 080	\$10, 100	\$1, 409, 188	.....	\$1, 480, 082
1822.....	19, 255	1, 463	17, 792	1, 389, 579	.....	1, 371, 787
1823.....	31, 914	260	31, 654	1, 058, 224	.....	1, 026, 570
1824.....	43, 411	4, 761	38, 650	1, 010, 990	.....	1, 672, 340
1825.....	20, 500	383	29, 117	1, 595, 065	.....	1, 565, 948
1826.....	18, 841	590	18, 251	1, 473, 388	.....	1, 455, 137
1827.....	24, 971	1, 704	23, 267	1, 575, 332	.....	1, 552, 065
1828.....	10, 469	400	10, 069	1, 693, 980	.....	1, 683, 911
1829.....	16, 182	.....	16, 182	1, 817, 100	.....	1, 800, 918
1830.....	27, 624	3, 774	23, 850	1, 725, 270	.....	1, 701, 420
1831.....	49, 421	278	49, 145	1, 889, 472	.....	1, 840, 327
1832.....	28, 584	972	27, 612	2, 558, 538	.....	2, 530, 026
1833.....	45, 040	4, 552	41, 097	2, 402, 469	.....	2, 361, 372
1834.....	42, 955	1, 800	41, 155	2, 071, 493	.....	2, 030, 338
1835.....	88, 279	21, 576	66, 703	2, 174, 524	.....	2, 107, 821
1836.....	115, 894	65, 379	50, 515	2, 609, 058	.....	2, 615, 543
1837.....	98, 044	9, 260	88, 784	2, 711, 452	.....	2, 822, 608
1838.....	90, 571	800	95, 771	3, 175, 576	.....	3, 079, 805
1839.....	842, 755	9, 034	333, 721	1, 917, 969	.....	1, 584, 248
1840.....	275, 352	7, 062	268, 290	3, 199, 170	.....	2, 930, 880
1841.....	225, 036	15, 188	209, 848	2, 846, 851	.....	2, 637, 003
1842.....	128, 533	7, 476	121, 057	2, 823, 010	.....	2, 701, 953
June 30, 1843.....	91, 871	1, 643	90, 228	2, 112, 548	.....	2, 022, 320
1844.....	264, 227	3, 164	261, 063	3, 350, 501	.....	3, 089, 438
1845.....	290, 165	.....	4, 321, 124	4, 507, 124	.....	4, 217, 256
1846.....	288, 834	213	288, 621	3, 458, 398	.....	3, 104, 777
1847.....	481, 607	100, 028	381, 579	3, 408, 033	.....	3, 086, 454
1848.....	832, 508	246, 865	585, 643	1, 980, 003	.....	1, 395, 319
1849.....	645, 017	135, 706	510, 211	2, 547, 654	.....	2, 037, 443
1850.....	561, 125	143, 448	417, 177	2, 824, 818	.....	2, 407, 641
1851.....	782, 751	173, 359	609, 392	3, 294, 691	.....	2, 685, 299
1852.....	922, 734	208, 004	414, 730	2, 282, 442	.....	1, 867, 612
1853.....	1, 142, 541	363, 859	778, 682	3, 279, 413	.....	2, 500, 731
1854.....	1, 177, 677	381, 724	795, 953	3, 044, 304	.....	2, 248, 348
1855.....	1, 055, 113	354, 080	701, 033	3, 510, 891	.....	2, 815, 861
1856.....	2, 200, 184	279, 278	1, 989, 906	3, 350, 797	.....	1, 366, 891
1857.....	2, 143, 135	262, 995	1, 880, 170	3, 739, 404	.....	1, 859, 474
1858.....	2, 280, 678	230, 580	2, 059, 098	3, 550, 295	.....	1, 491, 197
1859.....	2, 646, 358	190, 710	2, 446, 642	4, 402, 974	.....	2, 010, 332
1860.....	2, 724, 824	242, 421	2, 482, 403	4, 156, 480	.....	1, 674, 077
1861.....	2, 211, 205	184, 798	2, 026, 407	4, 451, 515	.....	2, 425, 048
1862.....	1, 328, 625	56, 076	1, 272, 449	3, 987, 298	.....	2, 714, 840
1863.....	1, 404, 872	191, 260	1, 333, 112	5, 056, 006	.....	3, 722, 894
1864.....	2, 078, 991	138, 804	1, 940, 187	4, 306, 303	.....	2, 306, 116
1865.....	2, 583, 860	144, 150	2, 439, 710	4, 795, 619	.....	2, 355, 909
1866.....	4, 375, 109	129, 019	4, 246, 090	3, 562, 619	\$683, 571	.....
1867.....	2, 310, 077	429, 951	1, 900, 126	3, 063, 634	.....	1, 763, 508
1868.....	1, 658, 766	353, 890	1, 304, 876	3, 717, 248	.....	2, 412, 372
1869.....	2, 790, 357	312, 498	2, 411, 309	3, 001, 720	.....	590, 411
1870.....	3, 070, 407	315, 844	2, 685, 523	2, 870, 517	.....	184, 994
1871.....	2, 897, 293	376, 018	2, 461, 276	2, 994, 037	.....	532, 761
1872.....	2, 754, 277	347, 136	2, 433, 970	3, 443, 171	.....	1, 009, 201
1873.....	3, 726, 183	544, 690	3, 176, 280	3, 320, 406	.....	144, 126
1874.....	3, 874, 239	209, 800	3, 666, 301	3, 566, 743	90, 558	.....
1875.....	3, 704, 028	217, 458	3, 597, 688	4, 844, 847	.....	1, 247, 139
1876.....	3, 255, 831	153, 492	3, 177, 309	5, 806, 445	.....	2, 629, 136
1877.....	2, 935, 269	235, 781	2, 796, 990	6, 734, 675	.....	2, 937, 685
1878.....	3, 788, 836	237, 034	3, 592, 079	6, 430, 248	.....	2, 844, 169
1879.....	3, 839, 368	298, 759	3, 546, 276	6, 281, 288	.....	2, 735, 012
1880.....	4, 374, 973	244, 242	4, 115, 454	5, 248, 131	.....	1, 132, 677
1881.....	4, 995, 860	210, 168	4, 759, 133	5, 554, 834	.....	1, 795, 707
1882.....	5, 142, 311	361, 480	4, 771, 871	6, 215, 358	.....	1, 441, 481
1883.....	6, 050, 780	350, 213	5, 647, 050	6, 279, 720	.....	632, 070
1884.....	6, 713, 176	447, 815	6, 301, 715	5, 064, 885	606, 830	.....
1885.....	5, 900, 429	328, 514	5, 617, 123	6, 018, 745	.....	371, 622
1886.....	4, 604, 843	376, 075	4, 084, 719	5, 204, 640	.....	1, 179, 927
1887.....	5, 102, 125	455, 115	4, 732, 719	5, 154, 180	.....	421, 361
1888.....	5, 808, 813	514, 350	5, 183, 010	5, 518, 552	.....	334, 942
1889.....	5, 790, 558	326, 079	5, 364, 345	7, 063, 339	.....	1, 698, 994
1890.....	6, 355, 955	552, 195	5, 811, 500	7, 458, 385	.....	1, 646, 825
1891.....	7, 511, 608	435, 063	6, 980, 035	6, 210, 577	769, 458	.....
1892.....	7, 107, 456	391, 099	6, 087, 446	5, 403, 587	1, 283, 859	.....
1893.....	8, 227, 195	416, 941	7, 708, 189	5, 541, 378	.....	2, 166, 811
1894.....	6, 926, 807	621, 408	6, 276, 903	4, 258, 300	2, 018, 597	.....
Total	167, 422, 617	14, 339, 676	152, 735, 501	274, 096, 530	.....	121, 361, 029

It appears from the preceding summary that prior to 1839 the imports of fishery products were of small extent, averaging less than \$50,000 annually. A considerable increase then followed, but until 1891 the domestic exports each year greatly exceeded the imports for consumption with only three exceptions. The exceptions were in 1866, 1874, and 1884, and were caused by unusual trade conditions, resulting from the beginning and ending of free-trade relations with the British Provinces. The imports for consumption have so increased that since 1891 they have greatly exceeded the domestic exports.

Trade in each class of fishery products.—Table 2 shows for each kind of product (1) the imports for consumption, (2) the domestic exports, (3) the total trade, (4) the percentage of the total trade, and (5 and 6) the balance of trade during the year ending June 30, 1894. The individual items most prominent in the statement of total trade are pickled mackerel, 10.81 per cent; marine shells, 10.55 per cent; canned salmon, 9.75 per cent; pickled herring, 9.15 per cent; dried cod, 8.61 per cent, and sardines, 8.55 per cent. It appears that the trade in pickled or brine-salted fish represents 22.76 per cent of the total trade; canned goods, 20.65 per cent, and dried and fresh fish, 11.12 and 5.81 per cent, respectively. The fresh fish entering into the foreign trade are nearly all imported, the exports, which amount to about 8 per cent of the imports, consisting of haddock and other fish shipped to Montreal, Quebec, and other places in Canada. Of dried fish, the exports exceed the imports by about 200 per cent; in the pickled-fish trade the imports are about eight times as valuable as the exports; but the trade in canned goods is almost equally divided between imports and exports, with an excess slightly in favor of the latter.

2. *Classified statement of the extent and relation of the foreign fishery-trade of the United States during the year ending June 30, 1894.*

Designation.	Imports for consumption.	Domestic exports.	Total trade.	Percentage of total trade.	Excess of imports for consumption over exports.	Excess of exports over imports for consumption.
Fresh fish:						
Salmon	\$156, 163	.....	\$156, 163	1.48	\$156, 163	.....
Herring—						
Bait	2, 829	.....	2, 829	.03	2, 829	.....
Food	3, 090	.....	3, 090	.03	3, 090	.....
Other fresh fish.....	401, 309	\$48, 820	450, 129	4.27	352, 489	.....
Total fresh	503, 391	48, 820	612, 211	6.81	514, 571	.....
Dried, smoked, or cured fish:						
Cod, haddock, hake, etc.....	202, 725	704, 052	907, 377	8.61	.....	\$501, 927
Herring	23, 570	123, 882	147, 452	1.40	.....	100, 312
Others	06, 406	50, 966	117, 372	1.11	15, 440	.....
Total dried, etc.....	292, 701	870, 500	1, 172, 201	11.12	15, 440	602, 239
Pickled or brine-salted fish:						
Herring	950, 268	13, 457	963, 725	9.15	936, 811	.....
Mackerel	1, 095, 702	43, 082	1, 138, 784	10.81	1, 052, 820	.....
Salmon	84, 442	58, 050	143, 101	1.36	25, 783	.....
Others	16, 308	135, 850	152, 227	1.44	119, 491
Total brine-salted.....	2, 146, 780	251, 057	2, 397, 837	22.76	2, 015, 214	119, 491

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2. *Classified statement of the extent and relation of the foreign fishery-trade of the United States during the year ending June 30, 1894—Continued.*

Designation.	Imports for consumption.	Domestic exports.	Total trade.	Percentage of total trade.	Excess of imports for consumption over exports.	Excess of exports over imports for consumption.
Canned fish:						
Salmou	\$620	\$1, 026, 215	\$1, 026, 835	0. 75	.....	\$1, 025, 595
Sardines	900, 780	.....	900, 780	8. 55	\$900, 780	.....
Others	103, 901	143, 402	247, 303	2. 35	.....	30, 501
Total canned	1, 005, 301	1, 169, 617	2, 174, 918	20. 65	900, 780	1, 005, 096
Shellfish, etc.:						
Lobsters (fresh), shrimp and turtle	199, 109	249, 721	448, 920	4. 20	.....	50, 522
Lobsters, canned	574, 710	.....	574, 710	5. 45	574, 710	.....
Oysters, fresh and canned .....	.....	688, 653	688, 653	6. 54	.....	688, 653
All other fish and shellfish .....	.....	204, 833	204, 833	1. 94	.....	204, 833
Total shellfish, etc.	773, 909	1, 143, 207	1, 917, 116	18. 19	574, 710	944, 008
Miscellaneous products:						
Ambergris	5, 112	.....	5, 112	. 05	5, 112	.....
Coral	1, 911	.....	1, 911	. 02	1, 911	.....
Isinglass or fish glue	5, 934	.....	5, 934	. 06	5, 934	.....
Oils, marine	184, 510	140, 851	325, 361	3. 09	43, 659	.....
Seaweeds	4, 174	.....	4, 174	. 04	4, 174	.....
Shells	1, 037, 152	74, 328	1, 111, 480	10. 55	962, 824	.....
Skins, fish and shark	6	993	998	. 01	.....	998
Sounds, fish	36, 375	.....	36, 375	. 35	36, 375	.....
Spermaceti .....	.....	99, 467	99, 467	. 94	.....	99, 467
Sponges	217, 456	8, 497	225, 953	2. 14	208, 959	.....
Whalebone	2, 192	441, 960	444, 161	4. 22	.....	439, 777
Total miscellaneous	1, 494, 821	766, 105	2, 260, 926	21. 47	1, 268, 948	540, 232
Grand total	6, 270, 903	4, 258, 306	10, 535, 209	100. 00	2, 018, 597	.....

The trade with each country.—The extent of trade with each country appears in Table 3, showing the value of fishery products imported from and exported to, and the balance of trade with each foreign country during the year ending June 30, 1894. In this table omission is made of ambergris, coral, cuttle-fish bone, seaweed and skins, the customs returns not being in sufficient detail to permit a statement of the trade in these articles with each country. As the customs returns do not show the imports for consumption from each country, it is necessary in this compilation to use the extent of the imports, although the former would furnish a better basis for comparison.

3. *Statement of the fishery-trade (exclusive of ambergris, coral, cuttle-fish bone, seaweed, and skins) with each foreign country during the year ending June 30, 1894.*

Countries.	Imports.	Domestic exports.	Excess of imports over exports.	Excess of exports over imports.
Europe:				
Austria-Hungary	\$168, 391	.....	\$168, 391	.....
Azores, and Madeira Islands	79	\$2, 079	.....	\$2, 000
Belgium	22, 436	5, 483	16, 953	.....
Denmark	1, 298	1, 017	281	.....
France	1, 029, 242	198, 968	830, 274	.....
Germany	90, 865	438, 333	.....	347, 468
Greece	11, 897	.....	11, 897	.....
Italy	30, 897	5, 044	25, 311	.....
Netherlands	502, 756	58, 845	443, 910	.....
Portugal	47, 478	10	47, 468	.....
Russia .....	.....	1, 280	.....	1, 280
Spain	1, 108	2, 111	.....	943
Sweden and Norway	627, 390	552	626, 838	.....

3. *Statement of the fishery-trade (exclusive of ambergris, coral, cuttle-fish bone, seaweed, and skins) with each foreign country during the year ending June 30, 1894—Continued.*

Countries.	Imports.	Domestic exports.	Excess of imports over exports.	Excess of exports over imports.
Europe—Continued.				
Switzerland	\$3, 223		\$3, 223	
United Kingdom—				
England	782, 628	\$1, 304, 403		\$521, 865
Ireland	111, 477		111, 477	
Scotland	256, 185	70, 143	186, 042	
Total Europe.....	3, 686, 837	2, 088, 058		
North America:				
Canada—				
Nova Scotia and New Brunswick	2, 058, 543	18, 222	2, 040, 321	
Quebec and Ontario	173, 339	234, 097		60, 758
British Columbia	107, 125	17, 407	89, 718	
Newfoundland and Labrador	136, 305	343	135, 962	
Miquelon, Langloy, etc.	117, 255	175	117, 080	
Mexico	33, 947	49, 330		15, 389
Central America—				
Costa Rica	1, 214	20, 263		19, 049
Guatemala		8, 442		8, 442
Honduras	268	2, 234		1, 966
Nicaragua	1, 714	9, 081		7, 367
San Salvador		2, 226		2, 226
British Honduras	82	6, 636		6, 554
Bermuda	60	6, 433		6, 373
West Indies—				
British	146, 135	103, 584	42, 551	
Danish	4, 716	1, 802	2, 824	
Dutch	85	10, 440		10, 355
French	100	5, 945		5, 845
Haiti	1, 712	652, 723		651, 011
Santo Domingo	2, 328	82, 599		80, 271
Spanish—				
Cuba	42, 466	117, 752		75, 286
Puerto Rico	411	6, 353		5, 942
Total North America.....	2, 827, 805	1, 356, 183		
South America:				
Argentina		15, 700		15, 700
Brazil	1, 285	61, 383		60, 098
Chili		16, 057		16, 057
Colombia	44, 918	27, 631	17, 287	
Ecuador		6, 578		6, 578
Guianas—				
British		30, 867		30, 867
Dutch		29, 499		29, 499
French		8, 460		8, 460
Peru		5, 101		5, 101
Uruguay		3, 887		3, 887
Venezuela	5, 904	36, 071		30, 077
Total South America.....	52, 107	241, 234		
Asia and Oceania:				
China	38, 156	3, 064	35, 092	
East Indies, British	6, 136	5, 800	336	
Dutch	167		167	
Hongkong	11, 231	175, 743		164, 512
Japan	28, 794	1, 230	27, 564	
Russia	396		396	
Turkey	6, 001		6, 001	
British Australasia	8, 311	235, 086		231, 775
French Oceania	224, 767	11, 431	213, 326	
Philippine Islands	470		470	
Hawaiian Islands	39	105, 101		105, 062
Total Asia and Oceania.....	319, 467	537, 455		
Africa:				
British Africa		24, 220		24, 220
Canary Islands		314		314
French Africa	355		355	
Liberia		2, 095		2, 095
Total Africa.....	355	26, 629		
All other islands and ports.....	1, 746	7, 847		2, 017
Grand total.....	6, 888, 407	4, 258, 306		

The most extensive fishery trade is carried on with the Dominion of Canada, the aggregate value of the imports from and exports to those provinces in 1894 being \$2,608,733, nearly all of which represents imports. Ranking next in extent of fishery-trade are England, France, Haiti, Sweden and Norway, Netherlands, and Germany, respectively. The following summary shows the extent of the trade in 1894 with those countries with which it generally exceeds \$100,000:

4. *Statement of the total fishery-trade (exclusive of ambergris, coral, cuttle-fish bone, seaweed, and skins) with each principal foreign country during the year ending June 30, 1894.*

Designation.	Imports.	Domestic exports.	Total.	Per-centage of total.
Canada	\$2,339,007	\$269,726	\$2,608,733	23.39
England	782,628	1,304,493	2,087,121	18.72
France	1,029,242	198,968	1,228,210	11.02
Haiti	1,712	652,723	654,435	5.87
Sweden and Norway	627,390	552	627,942	5.83
Netherlands	502,755	58,845	561,600	5.04
Germany	90,865	438,333	529,198	4.74
Scotland	256,185	70,143	326,328	2.93
British West Indies	140,135	103,584	243,719	2.24
French Oceania	224,767	11,431	236,198	2.13
British Australasia	3,311	235,080	238,397	2.14
Hongkong	11,231	175,743	186,974	1.68
Newfoundland	136,305	343	136,648	1.22
Austria-Hungary	168,391	.....	168,391	1.51
Cuba	42,466	117,752	160,218	1.44
Miquelon, Langley, etc.	117,255	176	117,430	1.05
Ireland	111,477	.....	111,477	1.00
Hawaiian Islands	39	105,101	105,140	.94
All others	207,256	515,308	812,564	7.31
Total	6,888,407	4,258,306	11,146,713	100.00

II.—THE IMPORT TRADE.

Imports from 1821 to 1853.—As fish were among the principal food resources of the United States during its early history, it is not remarkable that the imports of fishery products were of small extent. With the increase of the fisheries of the British North American Provinces, the marketing of the products of those fisheries was gradually extended in this country. Those products were largely pickled mackerel, salmon, herring, shad, etc., dried cod, and fish oil. The total imports increased in value from \$13,186 in 1821 to \$1,142,541 in 1853. From 1821 to 1853 inclusive, the total value of fishery products imported aggregated \$7,776,706, of which \$7,330,268 worth, or 94 per cent, were received from the British Provinces. During this period, however, the exports of foreign fishery-products amounted to \$1,536,900, leaving \$6,239,806 as the value imported for consumption in this country.

Table 5, modified from a compilation¹ of the Bureau of Statistics, United States Treasury Department, shows in classified form the annual imports of fishery products during each year from 1821 to 1853, inclusive, and a separate statement of the value of the annual imports from the British North American Provinces and from all other countries.

5. *Classified statement of the imports of fishery products into the United States during each year from 1821 to 1853, inclusive.*

Year ending—	Dried or smoked fish.		Brine-salted or pickled fish.					
	Quintals.	Values.	Salmon.		Mackerel.		Herring and shad.	
			Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Sept. 30, 1821...	346		1,048		7		(a)	(a)
1822...	712		1,244		387		(a)	(a)
1823...	2,009		1,507		67		(a)	(a)
1824...	1,144		4,574		790		(a)	(a)
1825...	1,628		1,540		242		(a)	(a)
1826...	757		1,013		67		(a)	(a)
1827...	685		1,540		39		(a)	(a)
1828...	434		730		38		(a)	(a)
1829...	492		699		65		(a)	(a)
1830...	351		1,021		301		(a)	(a)
1831...	1,363		2,315		4,552		(a)	(a)
1832...	1,350		2,104		32		(a)	(a)
1833...	6,068		1,652		20		(a)	(a)
1834...	824	\$7,795	2,009	\$22,616	223	\$601	(a)	(a)
1835...	1,379	13,425	2,546	28,606	8,163	29,316	(a)	(a)
1836...	1,872	12,178	2,976	35,884	6,037	36,470	(a)	(a)
1837...	2,043	13,528	3,543	50,035	1,250	9,089	(a)	(a)
1838...	2,015	14,111	3,790	58,791	182	1,595	(a)	(a)
1839...	4,295	24,303	5,338	73,768	7,040	60,374	(a)	(a)
1840...	4,001	10,355	4,860	78,232	11,823	114,590	(a)	(a)
1841...	2,433	19,262	4,961	72,317	10,887	116,459	(a)	(a)
1842...	1,265	5,186	4,093	54,679	8,194	58,812	(a)	(a)
June 30, 1843...	188	1,411	2,640	20,093	12,334	57,457	c 809	c \$2,048
1844...	860	3,067	(a)	(a)	(a)	(a)	(a)	(a)
1845...	1,297	9,646	(a)	(a)	(a)	(a)	(a)	(a)
1846...	875	9,319	(a)	(a)	(a)	(a)	(a)	(a)
1847...	8,274	25,711	(a)	(a)	(a)	(a)	(a)	(a)
1848...	51,826	127,799	7,633	80,944	122,594	536,123	(a)	(a)

¹Quarterly report of the Chief of the Bureau of Statistics, Treasury Department, for the three months ending December 31, 1888, p. 408.

^aIncluded with "All other fish."

^cExclusive of 1844-1847.

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5. Classified statement of the imports of fishery products into the United States during each year from 1821 to 1853, inclusive—Continued.

Year ending—	Dried or smoked fish.		Brine-salted or pickled fish.					
	Quintals.	Values.	Salmon.		Mackerel.		Herring and shad.	
			Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
June 30, 1849 . . .	22, 520	\$43, 700	8 244	\$81, 200	138, 505	\$465, 286	13, 961	\$29, 761
1850 . . .	25, 115	45, 961	8 721	85, 447	75, 491	335, 736	10, 898	37, 037
1851 . . .	14, 705	27, 769	7, 964	85, 705	102, 638	549, 525	21, 714	54, 449
1852 . . .	49, 299	55, 171	7, 947	96, 526	78, 334	327, 613	26, 696	73, 584
1853 . . .	97, 507	214, 016	7, 235	94, 341	54, 411	320, 233	66, 584	159, 027
Total . . .	310, 461	b 692, 722	c 106, 677	d 1, 026, 084	c 644, 855	d 8, 027, 374	e 140, 222	e 355, 906

Year ending—	All other fish.		Whale and fish oil.		Total values.	Imported from—	
	Barrels.	Values.	Gallons.	Values.		British North American provinces.	All other countries.
Sept. 30, 1821 . . .	116		418		A \$13, 186	\$12, 223	\$963
1822 . . .	95		1, 194		A 19, 255	18, 831	424
1823 . . .	268		2, 231		A 31, 914	30, 466	1, 448
1824 . . .	651		786		A 43, 411	42, 968	443
1825 . . .	778		200		A 29, 500	29, 337	163
1826 . . .	242		194		A 18, 841	18, 649	192
1827 . . .	101		238		A 24, 971	24, 537	434
1828 . . .	187		4, 609		A 10, 469	9, 944	525
1829 . . .	138		1, 372		A 16, 182	15, 343	839
1830 . . .	715		96		A 27, 624	27, 001	623
1831 . . .	454		456		A 40, 421	47, 686	1, 735
1832 . . .	264		421		A 28, 584	28, 318	266
1833 . . .	840		6, 571		A 45, 649	42, 714	2, 935
1834 . . .	1, 515	\$11, 838	34	\$15	42, 955	35, 562	7, 393
1835 . . .	3, 144	15, 435	4, 088	1, 497	88, 279	82, 172	6, 107
1836 . . .	5, 094	30, 774	1, 421	588	115, 894	90, 611	25, 283
1837 . . .	3, 111	24, 828	707	564	98, 044	84, 081	13, 963
1838 . . .	3, 521	21, 775	781	299	96, 571	90, 364	6, 207
1839 . . .	14, 489	71, 489	400, 151	112, 821	342, 765	219, 934	122, 821
1840 . . .	8, 810	48, 979	37, 236	14, 196	275, 352	257, 881	17, 471
1841 . . .	2, 175	14, 140	6, 705	2, 840	225, 036	215, 029	10, 007
1842 . . .	1, 791	8, 754	3, 573	1, 102	128, 583	122, 707	5, 766
June 30, 1843 . . .	1, 391	3, 704	771	258	91, 771	89, 183	2, 688
1844 . . .	43, 542	261, 013	297	147	264, 227	261, 349	2, 878
1845 . . .	30, 506	280, 519	(g)	(g)	290, 165	283, 178	6, 987
1846 . . .	31, 402	279, 515	(g)	(g)	288, 834	284, 584	4, 250
1847 . . .	91, 113	452, 357	11, 706	3, 639	481, 607	470, 107	11, 500
1848 . . .	23, 344	71, 774	84, 077	10, 863	832, 508	816, 687	15, 821
1849 . . .	5, 263	13, 097	39, 069	12, 864	645, 917	615, 554	30, 363
1850 . . .	13, 300	38, 451	44, 765	18, 403	561, 125	522, 042	38, 183
1851 . . .	21, 016	64, 022	3, 220	1, 281	782, 761	765, 489	17, 262
1852 . . .	20, 083	65, 993	8, 803	3, 847	622, 734	603, 534	19, 200
1853 . . .	31, 153	90, 143	541, 332	255, 781	1, 142, 541	1, 071, 243	71, 298
Total . . .	360, 712	f 1, 868, 609	1, 207, 582	f 447, 004	7, 776, 706	7, 330, 268	446, 438

b Exclusive of 1821-1833.

c Exclusive of 1844-1847.

d Exclusive of 1821-1833 and 1844-1847.

e Exclusive of 1821-1842 and 1844-1848.

f Exclusive of 1821-1833.

g Not known.

h Exclusive of whale and fish oil, the value of which is unknown.

Imports from 1854 to 1868.—The annual imports during each year from 1854 to 1868, inclusive, are shown in Table 6. From September 11, 1854, to March 17, 1866, fishery products from the British North American Provinces were admitted into this country free of duty. As the classification of the receipts from the Provinces differed somewhat from the classification of other receipts, a separate statement is made of the imports not under reciprocity and those under reciprocity treaty. This compilation, like Table 5, shows the extent of the imports, and it should be considered with Table 1 to learn the value of the imports for consumption.

6. Classified statement of the imports of fishery products into the United States during each year from 1854 to 1868, inclusive.

Year ending June 30—	Imports not under reciprocity treaty.							
	Fish, dried or smoked.		Pickled or brine-salted fish.					
	Quintals.	Values.	Salmon.		Mackerel.		Herring.	
Barrels.			Values.	Barrels.	Values.	Barrels.	Values.	
1854.....	76, 074	\$181, 400	6, 810	\$94, 335	62, 499	\$477, 131	61, 485	\$158, 348
1855.....	111, 913	265, 934	0, 316	85, 796	80, 990	432, 431	a 46, 902	129, 938
1856.....	65, 908	158, 233	085	3, 100	81	138	a 3, 807	22, 808
1857.....	43, 904	96, 607	700	3, 940	20	144	a 8, 831	49, 213
1858.....	41, 151	111, 709	337	2, 440	45	369	3, 892	18, 005
1859.....	40, 450	107, 615	1, 127	0, 763	5, 067	0, 661	7, 756	39, 001
1860.....	66, 417	149, 217	4	111	58	258	5, 489	38, 308
1861.....	58, 448	120, 462	132	1, 110	110	695	5, 053	28, 367
1862.....	(b)	(b)	58	460	.....	.....	c 2, 595	22, 400
1863.....	(b)	(b)	88	419	.....	.....	c 3, 832	20, 037
1864.....	(b)	(b)	72	956	.....	.....	c 4, 342	34, 560
1865.....	(b)	(b)	13	188	10	152	4, 107	38, 394
1866.....	(b)	(b)	780	4, 317	5, 312	48, 121	8, 842	81, 761
1867.....	(b)	(b)	0, 670	129, 051	77, 503	675, 986	102, 920	396, 048
1868.....	(b)	(b)	0, 546	90, 287	41, 056	364, 439	62, 650	291, 435
Total....	d 499, 415	d 1, 181, 246	30, 844	423, 294	273, 351	2, 006, 525	331, 801	1, 379, 432

Year ending June 30—	Imports not under reciprocity treaty—Continued.					
	Sardines in oil.	All other fish.		Whale and fish oil.		Total.
	Values.	Barrels.	Values.	Gallons.	Values.	Values.
1854.....	(c)	41, 652	\$140, 824	243, 894	\$116, 570	\$1, 177, 677
1855.....	(e)	20, 050	80, 231	103, 844	30, 050	1, 036, 980
1856.....	(c)	454	2, 058	18, 430	8, 044	194, 987
1857.....	(e)	706	4, 033	86, 558	17, 693	172, 230
1858.....	\$274, 137	980	5, 209	87, 437	18, 627	431, 402
1859.....	251, 278	1, 763	8, 073	7, 220	3, 504	423, 495
1860.....	299, 679	757	4, 900	185, 908	41, 903	534, 400
1861.....	220, 624	Pounds. 194, 850	0, 538	73, 325	29, 082	413, 453
1862.....	180, 417	1, 152, 934	20, 747	20, 983	14, 428	250, 452
1863.....	383, 223	3, 071, 842	77, 843	42, 808	17, 184	507, 206
1864.....	504, 079	1, 702, 160	45, 262	34, 097	16, 970	601, 836
1865.....	304, 713	743, 173	20, 002	11, 397	0, 427	370, 476
1866.....	937, 020	5, 539, 948	133, 842	178, 490	117, 400	1, 323, 370
1867.....	478, 619	14, 318, 175	466, 289	300, 152	183, 184	2, 330, 077
1868.....	471, 707	13, 347, 948	372, 389	125, 906	68, 509	1, 658, 766
Total....	4, 318, 396	.....	1, 411, 225	1, 425, 840	696, 764	11, 426, 882

Year ending June 30—	Imports under reciprocity treaty with British North American provinces.								All imports.
	Fish, dried or smoked.		Fish, pickled or brine-salted.		All other fish.	Whale and fish oil.		Total.	
	Pounds.	Values.	Barrels.	Values.	Values.	Gallons.	Values.	Values.	
1854.....	.....	.....	.....	.....	.....	.....	.....	.....	\$1, 177, 677
1855.....	250, 802	\$6, 211	1, 038	\$5, 582	\$5, 408	1, 458	\$932	\$18, 133	1, 055, 113
1856.....	19, 500, 744	528, 788	240, 585	1, 830, 268	29, 705	249, 189	179, 340	2, 074, 197	2, 260, 184
1857.....	13, 289, 717	470, 416	226, 064	1, 162, 033	62, 865	364, 888	275, 182	1, 970, 890	2, 143, 185
1858.....	10, 446, 069	341, 855	235, 090	1, 172, 010	182, 898	209, 059	160, 007	1, 858, 276	2, 280, 678
1859.....	15, 244, 423	422, 505	278, 774	1, 828, 069	156, 559	558, 350	314, 830	2, 222, 863	2, 646, 358
1860.....	8, 847, 090	313, 491	301, 917	1, 889, 852	258, 417	428, 660	230, 598	2, 190, 358	2, 724, 824
1861.....	13, 577, 887	415, 201	202, 070	945, 608	305, 192	245, 236	131, 816	1, 707, 812	2, 211, 265
1862.....	5, 046, 947	413, 602	179, 076	678, 093	192, 272	110, 665	64, 106	1, 078, 073	1, 338, 525
1863.....	12, 257, 852	253, 925	94, 220	384, 011	108, 013	206, 124	120, 617	1, 057, 180	1, 464, 372
1864.....	17, 894, 506	290, 647	152, 827	781, 090	831, 848	90, 570	74, 070	1, 477, 155	2, 078, 991
1865.....	15, 010, 007	288, 501	240, 412	1, 510, 257	391, 088	87, 700	23, 588	2, 213, 384	2, 583, 860
1866.....	(e)	383, 561	(e)	1, 527, 852	799, 213	(e)	341, 013	3, 051, 730	4, 375, 100
1867.....	.....	.....	.....	.....	.....	.....	.....	.....	2, 330, 077
1868.....	.....	.....	.....	.....	.....	.....	.....	.....	1, 658, 766
Total....	f 132,040,643	3, 858, 703	f 2,152,485	12, 222, 926	2, 911, 108	f 2,561,965	1, 917, 255	20, 910, 052	32, 336, 934

a Including shad. e Including mackerel. e Not known.
 b Included with "All other fish." d Exclusive of 1862-1868. f Exclusive of 1866.

Imports from 1869 to 1894.—Table 7 shows in classified form the values of all fishery products imported for consumption during each year from 1869 to 1894, inclusive. This statement covers the period in which the imports have made the greatest increase, the value during the last four years of this series being 176 per cent greater than during the first four years. This increase has occurred in nearly all articles, but it is most pronounced in case of brine-salted or pickled fish, shell-fish, miscellaneous canned fish, and miscellaneous fishery products.

7. *Classified statement of the imports for consumption of fishery products into the United States during each year from 1869 to 1894, inclusive.*

Year ending June 30—	Fresh or frozen.	Dried or smoked.	Brine-salted.	Canned fish and shell-fish.	
				Sardines.	Others.
1869	Unknown.	\$287,934	\$908,039	\$640,159	\$33,218
1870	do	263,982	896,976	980,989	33,920
1871	do	249,691	863,803	912,555	40,784
1872	\$242,675	130,039	696,942	683,095	71,470
1873	279,320	100,693	980,720	986,769	84,308
1874	297,532	247,046	1,360,316	886,677	260,016
1875	346,315	347,296	1,228,135	610,705	416,204
1876	274,091	202,925	1,293,221	587,880	124,309
1877	315,858	321,240	926,406	722,097	42,491
1878	342,729	409,066	1,489,003	681,673	40,916
1879	283,734	454,338	1,187,207	833,302	68,887
1880	321,161	519,030	1,114,267	1,115,662	101,381
1881	376,722	795,853	1,301,135	956,022	176,349
1882	474,529	913,441	1,210,711	796,270	356,626
1883	572,533	1,290,527	1,548,009	773,620	371,684
1884	708,170	1,279,025	2,044,845	976,764	283,082
1885	736,765	1,242,800	1,694,214	677,068	419,619
1886	668,887	524,548	906,833	762,870	324,099
1887	754,209	511,091	1,398,223	817,675	357,364
1888	807,490	581,439	1,469,971	940,036	486,995
1889	928,344	609,306	1,476,888	809,097	614,023
1890	879,205	535,374	1,988,307	764,506	632,128
1891	652,271	434,822	2,410,868	1,000,843	1,044,015
1892	510,870	364,933	2,114,247	1,175,892	629,270
1893	535,104	401,299	2,196,226	1,258,158	696,258
1894	563,391	292,701	2,146,780	900,780	679,231
Total.....	11,031,905	13,491,429	36,852,298	22,249,081	8,389,368

Year ending June 30—	Shellfish and turtles.	Fish sounds, sasinglass, etc.	Marine oils.	Miscellaneous products.	Total values.
1869		\$8,719	\$426,874	\$100,366	\$2,411,369
1870	\$3,808	8,089	369,167	128,522	2,085,523
1871	4,260	6,542	204,228	179,413	2,461,276
1872	8,984	28,437	158,504	413,824	2,433,970
1873	10,920	123,750	119,788	400,006	3,170,280
1874	60,152	96,244	163,046	295,272	3,606,301
1875	129,382	52,401	185,404	281,780	3,697,688
1876	13,356	42,322	151,249	397,965	3,177,309
1877	15,175	32,236	119,340	301,247	2,796,090
1878	12,071	104,552	211,847	300,222	3,692,079
1879	4,835	202,765	125,547	385,661	3,546,276
1880	15,859	198,025	223,139	506,930	4,115,454
1881	15,243	243,239	861,956	532,614	4,759,133
1882	31,642	169,148	270,250	549,245	4,771,871
1883	39,516	189,575	280,575	581,602	5,047,650
1884	30,472	129,224	373,773	536,370	6,361,715
1885	55,409	166,305	209,845	445,038	5,647,123
1886	64,632	181,784	88,811	562,246	4,084,719
1887	76,452	185,062	85,839	545,304	4,732,710
1888	105,161	176,843	92,515	463,180	5,183,010
1889	123,093	112,302	105,938	568,264	5,364,345
1890	125,831	63,186	95,947	727,076	6,811,560
1891	180,783	112,106	113,776	1,029,952	6,980,035
1892	207,221	76,093	151,000	1,457,920	6,987,446
1893	255,780	74,198	285,593	2,005,573	7,708,189
1894	199,199	42,309	184,510	1,208,002	6,276,903
Total.....	1,789,296	2,826,056	5,168,400	14,989,580	117,677,473

A series of tables is next presented, showing in detail the quantities and values of the various kinds of fishery products included in each classification noted in the preceding table.

The fresh fish consist principally of various sea fish received from Nova Scotia, fish caught on the north side of the Great Lakes, and of salmon. The extent of these imports increased almost constantly until 1891, when a duty of one-fourth of a cent per pound was imposed on herring and three-fourths of a cent on salmon and all other fresh fish, all being admitted free of duty previous to that time. While this duty had little effect on the receipts of salmon and other valuable species, yet it diminished very considerably the imports of cheaper fish, such as hake, herring, etc. The average value of all fresh fish received in 1889 was only \$1.92 per 100 pounds; in 1894 it was \$4.87 per 100 pounds, the increase being due almost entirely to an elimination of the cheap grades. The customs returns do not present a very extensive classification of the fresh fish imported, but such returns as are available are given in Table 8.

8. Statement of the fresh fish imported for consumption into the United States during each year from 1872 to 1894, inclusive.

Year ending June 30—	Mackerel.		Salmon.		Trout.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
1884.....	(a)	(a)	1, 016, 923	\$120, 318	(a)	(a)
1885.....	(a)	(a)	1, 336, 541	152, 822	(a)	(a)
1886.....	(a)	(a)	1, 303, 794	144, 719	(a)	(a)
1887.....	(a)	(a)	1, 583, 464	119, 361	(a)	(a)
1888.....	1, 418, 330	\$76, 514	768, 727	77, 720	2, 150, 307	\$67, 907
1889.....	640, 647	27, 640	1, 011, 456	104, 875	3, 229, 531	104, 092
1890.....	783, 079	44, 596	873, 014	91, 022	3, 192, 469	105, 804
1891.....	736, 779	22, 166	844, 940	80, 949	(a)	(a)
1892.....	(a)	(a)	1, 242, 769	105, 565	(a)	(a)
1893.....	(a)	(a)	1, 238, 605	116, 124	(a)	(a)
1894.....	(a)	(a)	1, 891, 742	156, 163	(a)	(a)

Year ending June 30—	Whitefish.		All others.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
1872.....					7, 647, 482	\$242, 075
1873.....					8, 386, 024	279, 320
1874.....					9, 332, 878	297, 532
1875.....					14, 887, 205	346, 315
1876.....					12, 327, 015	274, 091
1877.....					13, 453, 033	315, 858
1878.....					9, 014, 290	342, 729
1879.....					7, 949, 063	283, 734
1880.....					10, 780, 051	321, 161
1881.....					13, 066, 101	376, 722
1882.....					15, 321, 009	474, 529
1883.....					15, 860, 390	572, 533
1884.....	(a)	(a)	18, 910, 363	\$587, 852	19, 926, 286	708, 170
1885.....	(a)	(a)	18, 315, 020	583, 943	19, 051, 561	730, 705
1886.....	(a)	(a)	19, 702, 995	624, 168	21, 006, 639	668, 887
1887.....	(a)	(a)	26, 911, 790	634, 848	28, 495, 254	754, 200
1888.....	2, 879, 054	\$105, 075	26, 105, 772	539, 668	33, 388, 190	867, 490
1889.....	3, 048, 791	100, 221	40, 557, 570	584, 618	48, 393, 895	928, 344
1890.....	2, 648, 678	86, 103	33, 373, 961	551, 680	40, 871, 201	879, 205
1891.....	(a)	(a)	22, 030, 351	549, 456	23, 012, 070	652, 271
1892.....	(a)	(a)	9, 370, 985	405, 305	10, 613, 725	110, 870
1893.....	(a)	(a)	10, 867, 641	418, 980	12, 106, 246	535, 104
1894.....	(a)	(a)	9, 681, 709	407, 228	11, 573, 541	563, 391

a Classified with "All others."

Table 9 shows the quantities and values of dried cod, smoked herring, and other dried or smoked fish imported for consumption. A duty of one-half cent per pound was imposed on these imports prior to 1891, and since then it has been three-fourths of a cent per pound, the effect of this increase being apparent in the diminished receipts in 1891 and the following years. The large and abrupt decrease in imports in 1886 was due to the termination of the Washington treaty, which admitted free of duty fish from the British North American Provinces. The slight difference in the imports of dried or smoked fish during the first and the last year here reported is somewhat noticeable.

9. Statement of the dry-salted and smoked fish imported for consumption into the United States during each year from 1869 to 1894, inclusive:

Year ending June 30—	Cod, haddock, lake, etc.		Herring.		Others.		Total.	
	Pounds.	Values.	Pounds.*	Values.	Pounds.	Values.	Pounds.	Values.
1869.....	(a)	(a)	(a)	(a)	8,943,318	\$287,934	8,943,318	\$287,934
1870.....	(a)	(a)	(a)	(a)	7,209,130	263,982	7,209,130	263,982
1871.....	(a)	(a)	(a)	(a)	6,762,520	249,691	6,762,520	249,691
1872.....	(a)	(a)	(a)	(a)	3,558,990	130,039	3,558,990	130,039
1873.....	(a)	(a)	(a)	(a)	5,128,404	190,093	5,128,404	190,093
1874.....	(a)	(a)	1,029,095	\$34,070	7,227,130	212,376	8,256,225	247,040
1875.....	(a)	(a)	1,547,245	63,223	8,284,969	284,073	9,832,214	347,296
1876.....	(a)	(a)	1,535,950	57,560	6,728,177	235,365	8,264,127	292,925
1877.....	(a)	(a)	1,582,853	39,459	6,389,522	281,781	7,972,375	321,240
1878.....	(a)	(a)	2,109,150	52,715	11,088,603	356,351	13,197,753	409,060
1879.....	(a)	(a)	1,912,355	46,975	12,336,836	407,363	14,249,191	454,338
1880.....	(a)	(a)	2,543,975	69,986	15,074,528	440,044	17,617,603	519,030
1881.....	(a)	(a)	3,384,216	92,604	23,070,338	703,240	27,054,551	795,853
1882.....	(a)	(a)	5,441,805	134,378	24,190,551	779,063	29,632,356	913,441
1883.....	(a)	(a)	3,283,890	120,014	27,427,083	1,170,513	30,710,973	1,290,527
1884.....	26,828,085	\$993,480	8,330,041	137,975	8,904,076	147,561	39,063,402	1,279,025
1885.....	32,320,686	943,116	10,441,355	129,034	4,843,457	170,050	47,611,498	1,242,800
1886.....	10,998,072	286,505	4,246,970	64,457	5,402,340	173,586	20,647,382	524,548
1887.....	8,997,750	264,260	5,533,802	86,390	5,252,836	161,341	19,784,388	511,991
1888.....	10,446,892	816,259	3,094,101	86,607	4,759,754	175,573	19,200,747	581,439
1889.....	9,752,941	817,687	4,220,839	122,027	5,040,840	109,682	19,020,020	600,390
1890.....	8,303,585	247,327	4,824,291	90,302	5,525,000	185,085	18,053,452	535,374
1891.....	6,845,576	254,074	3,723,054	91,032	2,152,448	89,719	12,721,078	434,822
1892.....	5,804,548	229,255	2,294,150	52,442	1,839,120	83,230	9,941,833	364,933
1893.....	7,433,163	291,531	1,710,634	38,815	1,792,958	75,953	10,936,755	401,200
1894.....	5,408,750	202,725	852,480	26,570	1,728,111	66,400	8,049,341	292,701
Total ...	b133,200,048	b4,346,228	c74,548,520	c1,638,295	d16,262,240	7,506,000	424,020,826	13,491,429

* From 1874 to 1883, inclusive, the weight is estimated at 5 pounds per box.
a Included with "Others."
b Exclusive of 1869-1883.
c Exclusive of 1869-1873.

Brine-salted fish constitute the most important class of fishery products imported into this country. Herring and mackerel are the most important species, the others being salmon, cod, etc. Of the 5,054,554 barrels of brine-salted fish imported for consumption during the twenty-six years ending in 1894, as shown in Table 10, 56 per cent were herring, 37 per cent mackerel, and 3 per cent salmon. However, the herring only slightly exceeded the mackerel in total value, the imports of the former being worth \$16,978,802, and of the latter \$16,401,462. The imports of pickled fish vary somewhat from year to year, yet the general increase is quite noticeable.

The rate of duty on herring and mackerel during the period herein reported has been uniformly \$1 and \$2 per barrel, respectively. On salmon, previous to 1884, the duty was \$3 per barrel, and since then only \$2 per barrel. The rate of duty on other pickled fish was \$1.50 previous to 1884 and \$2 per barrel since then. These tariff rates, however, did not relate to the imports from the British North American Provinces during the operation of the Washington treaty.

10. Statement of the brine-salted or pickled fish imported for consumption into the United States during each year from 1869 to 1894, inclusive.

Year ending June 30—	Herring.		Mackerel.		Salmon.		Others. ^a		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
1869.....	01, 568	\$425, 213	27, 481	\$306, 006	8, 455	\$110, 591	0, 782	\$65, 539	137, 230	\$908, 039
1870.....	87, 284	398, 590	28, 480	201, 528	10, 020	137, 055	9, 961	69, 797	136, 345	896, 976
1871.....	02, 022	356, 700	28, 479	300, 074	9, 356	145, 264	7, 003	52, 705	106, 860	863, 803
1872.....	62, 475	332, 707	39, 572	247, 701	5, 344	80, 171	7, 455	36, 363	114, 846	696, 942
1873.....	03, 498	352, 235	70, 051	523, 577	4, 579	73, 231	4, 555	31, 083	143, 293	980, 726
1874.....	82, 750	433, 969	90, 874	806, 089	4, 875	65, 026	9, 770	54, 002	188, 258	1, 360, 315
1875.....	06, 191	516, 978	78, 132	587, 349	4, 812	62, 940	9, 893	00, 879	190, 628	1, 228, 185
1876.....	107, 319	493, 102	76, 590	095, 917	4, 200	49, 070	8, 852	54, 172	196, 970	1, 293, 221
1877.....	76, 099	397, 522	44, 178	373, 897	5, 438	01, 733	10, 390	93, 254	142, 705	026, 406
1878.....	95, 308	431, 832	102, 001	907, 081	8, 506	109, 309	5, 403	40, 781	211, 308	1, 489, 003
1879.....	77, 037	383, 494	101, 453	650, 067	9, 580	108, 363	7, 175	45, 283	195, 251	1, 187, 207
1880.....	74, 559	445, 020	112, 398	492, 934	8, 258	118, 259	11, 044	57, 454	207, 159	1, 114, 267
1881.....	03, 087	519, 342	120, 361	615, 102	5, 848	91, 382	15, 838	75, 240	230, 034	1, 301, 135
1882.....	114, 300	640, 900	57, 802	394, 323	4, 751	86, 478	12, 802	80, 010	189, 715	1, 210, 711
1883.....	150, 440	914, 433	52, 073	427, 476	4, 725	93, 639	17, 537	112, 461	224, 775	1, 548, 009
1884.....	165, 019	976, 810	88, 231	873, 680	6, 447	100, 946	16, 205	93, 403	275, 062	2, 044, 845
1885.....	183, 818	858, 240	92, 147	702, 030	5, 621	73, 000	12, 984	60, 935	294, 570	1, 094, 214
1886.....	02, 060	617, 055	31, 848	222, 719	4, 398	40, 073	2, 930	21, 009	131, 830	906, 833
1887.....	107, 189	748, 321	64, 026	561, 855	4, 588	67, 092	2, 841	18, 955	179, 543	1, 398, 223
1888.....	126, 104	826, 251	56, 646	548, 073	4, 673	68, 018	3, 853	26, 731	191, 270	1, 469, 971
1889.....	112, 453	706, 651	42, 394	574, 722	4, 963	77, 070	8, 437	28, 445	163, 247	1, 476, 888
1890.....	123, 831	580, 238	71, 038	1, 011, 021	3, 989	68, 102	3, 550	28, 046	202, 408	1, 988, 307
1891.....	128, 363	954, 687	113, 276	1, 350, 113	b 4, 836	79, 059	2, 796	20, 099	249, 271	2, 410, 868
1892.....	150, 602	1, 167, 370	88, 209	863, 191	b 4, 307	60, 918	3, 622	22, 762	240, 831	2, 114, 247
1893.....	163, 050	1, 151, 112	84, 217	990, 588	b 4, 546	63, 422	2, 747	20, 804	254, 560	2, 196, 226
1894.....	141, 476	1, 050, 268	94, 830	1, 095, 702	b 5, 508	84, 742	2, 017	16, 368	243, 837	2, 146, 780
Total ..	2, 831, 992	16, 978, 802	1, 858, 361	16, 401, 462	153, 409	2, 184, 251	210, 792	1, 287, 783	5, 054, 554	36, 852, 298

^a For quantities and values of pickled cod among "Others," see p. 476.
^b On basis of 200 pounds to the barrel, see p. 510.

The quantity of each form of sardines imported is shown in Table 49, on page 504.

The "other canned fish and shellfish" comprises all in oil exclusive of sardines, and fish and shellfish canned without oil, the latter including canned lobsters, herring, mackerel, salmon, eels, etc. A classification

of these imports more in detail than previously given appears in the following table. Since 1869 a duty of 30 per cent ad valorem has been imposed on fish prepared in oil. On those canned without oil a duty of 35 per cent ad valorem was imposed previous to 1884; from 1884 to 1891 the rate has been 25 per cent, and since then 30 per cent.

11. *Statement of the canned fish and shellfish, exclusive of sardines, imported for consumption into the United States from 1869 to 1894, inclusive.*

Year ending June 30—	In oil, etc., exclusive of sardines.	Plain canned, or without oil.					Total.
		Lobsters.	Salmon.	Herring.	Mackerel.	All other.	
1869	\$30,801	(a)	(a)	(a)	(a)	\$2,457	\$33,318
1870	30,465	(a)	(a)	(a)	(a)	3,525	33,990
1871	34,173	(a)	(a)	(a)	(a)	6,611	40,784
1872	40,041	(a)	(a)	(a)	(a)	31,429	71,470
1873	27,175	(a)	(a)	(a)	(a)	57,133	84,308
1874	15,811	(a)	(a)	(a)	(a)	244,205	260,016
1875	27,117	(a)	(a)	(a)	(a)	389,147	416,264
1876	27,490	(a)	(a)	(a)	(a)	96,810	124,300
1877	15,996	(a)	(a)	(a)	(a)	26,495	42,491
1878	15,849	(a)	(a)	(a)	(a)	25,067	40,916
1879	13,835	(a)	(a)	(a)	(a)	55,052	68,887
1880	14,647	(a)	(a)	(a)	(a)	86,734	101,381
1881	21,056	(a)	(a)	(a)	(a)	155,293	176,349
1882	31,362	(a)	(a)	(a)	(a)	325,264	356,626
1883	24,272	(a)	(a)	(a)	(a)	347,412	371,684
1884	35,914	\$193,587	\$285	(a)	(a)	53,296	283,082
1885	22,387	357,730	9	(a)	(a)	39,493	419,619
1886	19,982	252,054	3,503	(a)	(a)	48,560	324,099
1887	17,528	267,901	719	(a)	(a)	71,216	357,364
1888	25,097	412,863	1,102	\$3,022	\$5,536	39,375	486,995
1889	27,614	522,547	2,193	3,503	1,894	56,272	614,021
1890	27,725	568,150	4,70	2,894	3,445	29,435	632,128
1891	b 64,769	966,008	388	6,514	6,936	(c)	1,044,615
1892	b 51,380	561,778	88	10,712	5,312	(c)	629,270
1893	b 71,167	609,741	56	14,286	1,008	(c)	606,258
1894	b 88,877	574,710	620	13,106	1,918	(c)	679,231

a Included with "All other, plain canned."

b Includes "All other, plain canned,"

c Included with "In oil, etc."

"Shellfish and turtles" consists principally of fresh lobsters received from Nova Scotia. It also includes fresh and prepared shrimp, crawfish, and other shellfish and turtles. All of these products are admitted free of duty. It is impossible to give a classification of the separate articles, other than is afforded by Table 64, on page 522, showing the countries from which they were received during a series of recent years.

The quantity and value of each variety of fish sounds and isinglass imported for consumption are shown in Table 77, and similar data for marine oils are given in Table 67.

The miscellaneous fishery products comprise ambergris, ambergris oil, coral, seaweed, shells of marine mollusks and crustaceans, skins of various fishes, spermaceti in the form of candles, sponges, and whale-bone. The value of the imports of these separate articles is shown in Table 12, but a more extensive account of the varieties, quantities, and values is given in other tables of this report.

12. Statement of the values of miscellaneous fishery products imported for consumption during each year from 1869 to 1894, inclusive.

Year ending June 30—	Ambr-gris.	Amber-gris oil.	Coral, crude and manufac-tured.	Dulse, or sea weed.	Shells, rough and manufac-tured.	Skins, fish and shark.	Spor-maceti candles.	Sponges.	Whale-bone, uncut and manufac-tured.	Total.
1869.....			\$22,417	\$3,504	\$1,826		\$2,545	\$74,731	\$1,343	\$106,363
1870.....			18,975	2,890	8,441		3,332	93,952	332	128,522
1871.....			37,877	1,094	22,244		4,762	113,127	369	179,413
1872.....	\$1,328		59,081		188,283		8,029	153,443	3,060	413,824
1873.....	1,119	\$31	64,035		130,138		3,666	189,986	5,040	400,006
1874.....	4,046	322	28,080		129,887		4,789	121,798	5,750	295,272
1875.....	5,217		34,845		125,649		1,963	110,440	3,672	281,786
1876.....	1,700	700	33,068	1,011	257,241		3,969	87,621	11,449	397,965
1877.....	694	745	29,398	859	172,251		6,302	88,798	2,230	301,247
1878.....	93	185	13,019		187,507		6,391	90,127	1,400	300,222
1879.....	3,215		11,474		231,743		4,618	130,515	4,090	385,661
1880.....		2,062	5,554	45	294,730		6,422	183,090	13,527	506,950
1881.....	55	2,402	2,591	1,577	288,154	\$75	2,704	220,292	5,614	532,014
1882.....	5,408		2,143		239,231	37	5,974	263,621	5,814	549,245
1883.....	2,715	390	1,983		296,254	23	5,088	270,402	4,687	581,002
1884.....	4,015	92	158	979	258,639	173		241,874	30,440	536,370
1885.....	5,685		659	5,058	104,080	325		235,519	33,712	445,038
1886.....	1,673	175	218	2,651	245,848	35		296,963	14,083	592,240
1887.....	2,649	642	307	2,646	228,799	146		302,510	7,705	545,304
1888.....	6,774		594	5,199	178,839	1,395		268,651	1,708	463,160
1889.....	5,852		461	4,707	279,763	527		277,373	19,581	588,264
1890.....	1,454	2,920	431	4,699	340,654	005		352,885	23,328	727,070
1891.....	3,731	1,509	213	1,931	638,570	604		381,879	1,500	1,020,952
1892.....	1,288	427	1,378	3,150	1,110,536	320		331,241	3,580	1,457,920
1893.....	6,667		1,265	5,867	1,621,681	633		365,249	4,781	2,005,573
1894.....	5,112		1,911	4,174	1,037,152	5		217,456	2,192	1,268,002
Total ..	70,481	13,468	374,005	62,641	8,690,146	4,333	71,844	5,503,203	208,559	14,080,580

The quantities and values of fishery products imported for consumption in 1894 are presented in greater detail in the following compilation, showing (1) the items of fishery products imported, (2) the units of quantity used, (3) the quantities and (4) values imported, (5) average values per unit of quantity, (6) the rates of duty exacted, (7) the amount of duties collected, and (8) the average ad valorem rates of duty:

13. Detailed statement of the fishery products imported for consumption during the year ending June 30, 1894.

Items.	Units of quantity.	Quantities.	Values.	Average values per unit of quantity.	Rates of duty.	Amount of duty.	Average ad valorem rates of duty.
Fish:							
Fresh—							
Herring—							<i>P. ct.</i>
Food.....	Pounds.	211,991	\$3,000	\$0.014	½ c. per lb ..	\$590	17.11
Bait.....	do	391,892	2,829	.007	Free		Free.
Salmon.....	do	1,891,742	156,163	.083	¾ c. per lb ..	14,188	9.09
Other fresh fish.....	do	9,077,916	401,809	.044	do	68,684	16.97
Total fresh.....	do	11,573,541	563,391			82,802	
Dried or smoked—							
Cod, haddock, etc.....	do	5,408,750	202,725	.037	½ c. per lb ..	41,016	20.23
Herring.....	do	852,480	23,570	.028	do	6,894	27.13
Other dried or smoked fish.....	do	1,728,111	68,406	.038	do	12,961	10.52
Total dried or smoked.....	do	8,040,341	292,701			60,871	
Pickled or brine-salted—							
Cod, haddock, etc.....	Barrels.	20	112	5.60	\$2 per bbl..	41	36.25
Herring.....	do	141,476	950,268	6.73	\$1 per bbl..	141,476	14.89
Mackerel.....	do	94,836	1,095,702	11.55	\$2 per bbl..	189,672	17.31
Salmon.....	Pounds.	1,101,502	84,442	.077	1 c. per lb ..	11,015	13.04
Other pickled fish.....	Barrels.	1,906	16,256	8.14	\$2 per bbl..	3,993	24.56
Total pickled.....			2,146,780			340,197	

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13. Detailed statement of the fishery products imported for consumption during the year ended June 30, 1894—Continued.

Items.	Units of quantity.	Quantities.	Values.	Average values per unit of quantity.	Rates of duty.	Amount of duty.	Average ad valorem rates of duty.
Fish—Continued.							
Canned—							
Herring.....			\$13,106		30 per cent.	\$3,932	<i>P. ct.</i> 30
Mackerel.....			1,918		do	575	30
Salmon.....			620		do	186	30
Other canned fish.....			88,877		do	26,663	30
Total canned.....			104,521			81,356	
Sardines—							
Whole boxes.....	Boxes	9,985	2,793	\$0.279	10 c. per box	998	35.75
Half boxes.....	do	471,995	91,254	.193	5 c. per box	23,600	25.86
Quarter boxes.....	do	9,365,021	766,637	.082	2½ c. per box	234,126	30.54
Other form.....			40,090		40 per cent.	16,038	40
Total sardines.....			900,780			274,762	
Crustaceans, etc.:							
Lobsters, canned.....	Pounds	4,071,307	574,710	.141	Free		Free.
Lobsters, fresh, and shrimp and turtles.....			199,109		Free		Free.
Total crustaceans, etc.....			773,909				
Oils, marine:							
Cod-liver.....	Gallons	209,865	99,318	.48	15 c. per gall	31,480	31.70
Fish.....	do	344,134	74,362	.22	8 c. per gall	27,531	37.02
Seal.....	do	7,869	2,956	.37	do	630	21.29
Whale.....	do	27,110	7,874	.29	do	2,169	27.54
Total oil.....	do	588,978	184,510			61,810	
Miscellaneous products:							
Ambergris.....	Pounds	37	5,112	138.162	Free		Free.
Coral—							
Uncut.....			153		Free		Free.
Manufactured.....			1,758		25 per cent.	439	25
Isinglass or fish glue, valued at—							
Above 7 cts. per lb.....	Pounds	560	36	.064	1½ c. per lb.	8	23.33
From 7 to 30 cts. per lb.....	do	1,975	233	.118	25 per cent.	58	25
Above 30 cts. per lb.....	do	2,817	5,665	2.011	30 per cent.	1,670	30
Seaweed, preparations (n. e. s.).....			4,174		29 per cent.	835	20
Shells—							
Not ground or cut (n. o. s.).....			643,251		Free		Free.
Mother-of-pearl—							
Not cut.....			2,597		Free		Free.
Manufactures of.....			378,381		40 per cent.	151,353	40
Cuttlefish bone.....	Pounds	149,708	13,013	.087	Free		Free.
Skins, fish and shark.....			5		Free		Free.
Sounds or bladders.....	Pounds	199,571	39,375	.182			Free.
Sponges.....			217,456		20 per cent.	43,491	20
Whalebone—							
Not manufactured.....	Pounds	640	669	1.045	Free		Free.
Manufactures of.....			1,523		30 per cent.	457	30
Total miscellaneous.....			1,310,311			198,311	
Grand total.....			6,276,903			1,055,600	16.82

α Dimensions of whole boxes, 5 by 4 by 3½ inches; half boxes, 5 by 4 by 1½ inches; quarter boxes 4½ by 3½ by 1½ inches.

Character of imports from each country.—In considering the total fishery-trade with each country it is necessary to omit ambergris, coral, seaweeds, and skins, as the customs returns are not in sufficient detail to permit a statement of the trade in those articles with each foreign country. The total value of fishery imports, omitting the above-enumerated articles, averages about \$6,000,000 annually, principally from Nova Scotia, France, England, Norway and Sweden, Netherlands, and Scotland. The value of the fishery products imported during the

year ending June 30, 1894, was \$6,888,407, of which Nova Scotia and New Brunswick sent \$2,058,543, France \$1,029,242, England \$782,628, Norway and Sweden \$627,390, and Netherlands \$502,755.

The Nova Scotia fishery products imported into the United States are principally canned and fresh lobsters, pickled mackerel, and dried cod. The imports from France consist almost entirely of sardines. Norway and Sweden send principally pickled mackerel, pickled herring, and cod oil. Over 99 per cent of the imports from the Netherlands represents pickled herring. The imports of fishery products from the West Indies, Mexico, and the Central and South American Republics are small, their total value in 1894 being as follows: West Indies, \$197,953; Mexico, \$33,947; Central America, \$3,278, and South America, \$52,197; a total of \$287,375, consisting largely of marine shells, sponges, shrimp, and fish sounds. This added to the \$2,475,312, the value of fish received from Canada and Newfoundland, \$117,255 from Miquelon, and \$60 from Bermuda, makes a total of \$2,880,002 received from the American continent. The receipts from Europe amounted to \$3,686,837, consisting principally of sardines, pickled herring, mackerel, marine shells, and sponges. The imports of shells, shrimp, dried fish, oil, etc., from Asia and Oceanica aggregated \$319,467, leaving \$2,101 as the receipts from African and other ports.

The following compilation shows the quantities and values of each fishery product imported into the United States during the year ending June 30, 1894. The totals necessarily differ from the statements of the imports for consumption, as explained on page 438.

14. Statement by countries of the quantity and value of each fishery product imported into the United States during the year ending June 30, 1894.

Countries from which imported.	Fresh or frozen.					Dried, smoked, or cured.			
	Salmon.		Bait.		Others.	Cod, haddock, hake, pollock, etc.		Herring.	
	Lbs.	Values.	Lbs.	Values.	Values.	Lbs.	Values.	Lbs.	Values.
Europe:									
Azores, and Madeira Islands						250	\$13		
France						414,055	20,405		
Germany						20,054	1,040	1,000	\$35
Italy					\$2	1,561	63		
Netherlands								7,227	341
Sweden and Norway						402,424	20,016	220,373	6,901
United Kingdom—									
England					280	3,200	173	110,314	4,864
Scotland						1,000	49	10,296	752
Total Europe					282	843,744	41,759	349,300	12,953
North America:									
Canada—									
Nova Scotia, New Brunswick, etc.	1,242,040	\$115,871	19,000	\$269	278,876	8,154,544	209,255	2,875,648	63,939
Quebec, Ontario, etc.	645,824	39,096	1,685	60	113,159	8,080	293	1,800	100
British Columbia	3,872	219			10,250	515	27		
Newfoundland and Labrador			371,092	2,500	250	1,216,394	52,764	1,000	16
Miquelon, Langley, etc.						3,105,371	110,936		
Central America—									
Nicaragua						1,874	60		
Mexico					570				
West Indies—									
Cuba						66,515	3,900		
Total North America.	1,892,336	150,186	393,557	2,879	403,111	12,553,293	407,247	2,878,448	64,115

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14. Statement by countries of the quantity and value of each fishery product imported into the United States during the year ending June 30, 1894—Continued.

Countries from which imported.	Fresh or frozen.					Dried, smoked, or cured.				
	Salmon.		Bait.		Others.	Cod, haddock, hake, pollock, etc.		Herring.		
	Lbs.	Values.	Lbs.	Values.		Lbs.	Values.	Lbs.	Values.	
Asia:										
China					\$30			60	\$11	
Hongkong					39	7,385	\$249			
Japan						1,773	50			
Total Asia					69	9,156	299	60	11	
Grand total	1,892,336	\$156,186	393,557	\$2,879	403,492	13,406,193	509,305	3,227,808	77,079	
Countries from which imported.	Pickled or brine-salted.							Sardines.	All other fish.	
	Herring.		Mackerel.		Salmon.		Values.			Values.
	Barrels.	Values.	Barrels.	Values.	Lbs.	Values.				
Europe:										
Austria-Hungary							\$22			
Azores, and Madeira Islands								\$66		
Belgium							21,808	421		
Denmark	24	\$70						37		
France			3	\$24			841,377	15,791		
Germany	4,409	31,138					1,903	14,894		
Italy	7	66	19	192	11	\$1	9,497	8,220		
Netherlands	46,992	408,095	2	19				751		
Portugal							47,474	4		
Spain							1,022	146		
Sweden and Norway	38,753	151,903	16,777	280,381			30,427	44,485		
United Kingdom—										
England	1,178	6,600	27,078	323,054			21,026	23,521		
Ireland	40	276	11,001	111,201						
Scotland	31,123	200,524	3,975	38,345			50	15,198		
Total Europe	122,531	888,762	58,855	754,116	11	1	974,615	123,534		
North America:										
Dominion of Canada—										
Nova Scotia and New Brunswick	16,773	47,856	39,328	378,472	536,520	36,182		78,287		
Quebec, Ontario, etc.	224	857	91	888	2,658	217	767	11,145		
British Columbia					149,410	17,592		78,883		
Newfoundland	5,320	21,249	4	33	405,407	30,396		14,077		
Miquelon, Langley, etc.	1,034	3,487								
Central America—										
Honduras							91			
Nicaragua	1	0						34		
Mexico							35	1,835		
West Indies—										
Cuba	1	11					1,340	736		
Total North America	23,353	73,469	39,423	379,393	1,093,995	84,387	2,233	184,097		
South America:										
Colombia								96		
Asia:										
China								24,164		
Hongkong	4	4			1,200	29		6,969		
Japan								186		
Russia	15	70			11,875	298		22		
Total Asia	19	80			13,075	327		31,341		
Africa, French							104	151		
All other islands and ports								17		
Grand total	145,903	902,311	98,278	1,133,509	1,107,081	84,715	976,952	340,136		

14. Statement by countries of the quantity and value of each fishery product imported into the United States during the year ending June 30, 1894—Continued.

Countries from which imported.	Lobsters, canned.		Lobsters, fresh, and shrimp and turtles.	Fish sounds.		Fish and whale oil.		Shells and manufactures of shells.	Sponges.	Total.
	Lbs.	Value.		Value.	Lbs.	Value.	Gallons.			
Europe:										
Austria-Hungary								\$160,639	\$7,730	\$168,369
Azores, and Madeira Islands										79
Belgium						450	\$194	13		22,436
Denmark				11,527	\$1,191					1,298
France			\$144					138,612	2,889	1,029,242
Germany	140	\$22		173	14	24,113	11,045	29,767	1,007	90,865
Greece									11,807	11,807
Italy				219	10			11,394	910	30,355
Netherlands								3,284	205	502,755
Portugal										47,478
Spain										1,168
Sweden and Norway				214	38	190,202	93,039			927,390
Switzerland								3,223		3,223
United Kingdom—										
England			51	55,896	17,464	11,203	5,523	320,399	58,773	782,628
Ireland										111,477
Scotland						3,350	1,258			256,185
Total	140	22	105	68,029	18,717	235,324	111,109	677,331	83,441	3,686,837
North America:										
Canada:										
Nova Scotia and New Brunswick	3,862,162	543,830	180,177	87,601	10,306	104,436	25,073	50		2,058,543
Quebec, Ontario	35,560	5,122	429	45	23	542	233			173,339
British Columbia						629	154			107,125
Newfoundland and Labrador	720	75				55,353	14,885			136,305
Miquelon, Langley						12,417	2,832			117,255
Mexico			2,825	530	104					33,947
Central America—										
Costa Rica								1,214		1,214
Honduras								172	5	268
Nicaragua								1,605		1,714
British Honduras									82	82
Bermuda								60		60
West Indies—										
British			2,217					3,769	140,149	146,135
Danish								4,710		4,716
Dutch			85							85
French								100		100
Spanish, Cuba			850	1,664	82				35,541	42,466
Puerto Rico								411		411
Haiti								1,712		1,712
Santo Domingo								2,328		2,328
Total	3,898,442	549,027	186,583	89,840	10,515	173,377	43,177	44,700	175,777	2,827,805
South America:										
Brazil				9,604	1,206			19		1,285
Colombia								44,822		44,018
Venezuela			75	33,437	5,912	10	7			5,994
Total			75	43,101	7,178	10	7	44,841		52,197
Asia and Oceania:										
China			13,325			4,668	607	19		38,156
East Indies, British								0,130		6,136
Dutch								167		167
Hongkong			3,483					458		11,231
Japan			370			150,456	24,656	3,384	148	28,794
Russia										360
Turkey								5,021	80	6,001
British Australasia								3,311		3,311
French Oceanian								224,757		224,757
Philippine Islands								479		479
Hawaiian Islands								39		39
Total			17,178			161,124	25,263	244,671	228	810,467
Africa, French								100		355
All other islands and ports								1,720		1,740
Grand total	3,898,582	549,040	204,031	200,970	36,410	560,835	179,556	1,013,381	259,446	6,888,407

Import duties from 1789 to 1894.—Excepting a period of 23 years of reciprocity treaties (from September 11, 1854, to March 17, 1866, and from July 1, 1873, to June 30, 1885), when free trade in fishery products existed between the United States and the British North American Provinces, the principal products of the American fisheries have been protected by moderately heavy duties imposed on foreign importations.

The first customs act of the United States Congress (1st Cong., 1st sess., Ch. II) provided a duty of 50 cents per quintal on dried or cured fish, 75 cents per barrel on pickled fish, and 5 per cent on all other fishery products imported. In 1804 the rate on pickled fish was changed to 40 cents to \$1 per barrel according to varieties, and in 1812 all duties on imported fishery products were doubled. Most of these duties were affected by the Clay compromise act of 1833. The developing trade in sardines, canned fish, etc., resulted in imposing a duty of 20 per cent ad valorem on those products in 1842 and fresh fish intended for immediate consumption were admitted free of duty. The Walker tariff act of 1846 made a uniform duty rate of 20 per cent ad valorem, except that 30 per cent was required on salted salmon and 40 per cent on sardines and canned fish. Since then these rates have been modified from time to time, the duties have been changed from ad valorem to specific and vice versa, and certain minor articles have been placed on the free list. The rates of duty collected on the various imported fishery products from the origin of the United States Government to the present time are shown in the following compilation:

15. *Comparative statement of the rates of import duty imposed on fishery products under the principal tariff enactments from July 4, 1789, to August 27, 1894, inclusive*

Designation.	First Congress, first session, Ch. II, July 4, 1789, taking effect Aug. 1, 1789.	Eighth Congress, first session, Ch. LXVII, March 27, 1804, taking effect July 1, 1804.	Twelfth Congress, first session, Ch. CXII, July 1, 1812, taking effect July 1, 1812.	Fourteenth Congress, first session, Ch. CVII, April 27, 1816, taking effect July 1, 1816.	Twenty-seventh Congress, second session, Ch. CCLXX, Aug. 30, 1842, taking effect Aug. 30, 1842.
Fresh fish, for daily consumption.					Free.
Dried or smoked fish, all kinds.	50 c. per quintal.	50 c. per quintal.	\$1 per quintal.	\$1 per quintal	\$1 per quintal.
Pickled or brine-salted fish:					
Herring.....	75 c. per bbl..	40 c. per bbl..	80 c. per bbl..	\$1 per bbl....	\$1.50 per bbl.
Mackerel.....		60 c. per bbl..	\$1.20 per bbl..	\$1.50 per bbl..	\$1.50 per bbl.
Salmon.....		\$1 per bbl....	\$2 per bbl....	\$2 per bbl....	\$2 per bbl.
All other—					
In barrels.....		40 c. per bbl..	80 c. per bbl..	\$1 per bbl....	\$1 per bbl.
Not in barrels.					20 per cent.
Canned fish:					
Sardines.....					20 per cent.
Other canned fish.					20 per cent.
Miscellaneous:					
Ambergris.....					20 per cent.
Coral.....					20 per cent.
Fish glue.....					20 per cent.
Oil—					
Cod liver.....				15 c. per gall..	15 c. per gall.
Sperm.....				25 c. per gall..	25 c. per gall.
Fish, seal, and whale.				15 c. per gall..	15 c. per gall.
Sounds or isinglass.					20 per cent.
Spermaceti.....	6 c. per lb.....	6 c. per lb.....	12 c. per lb.....	6 per cent....	8 per cent.
Sponges.....					20 per cent.
Whalebone.....					12½ per cent.
Unenumerated..	5 per cent.....	15 per cent....	30 per cent....	15 per cent....	20 per cent.

15. Comparative statement of the rates of import duty imposed on fishery products under the principal tariff enactments from July 4, 1789, to August 27, 1894, inclusive—Cont'd.

Designation.	Twenty-ninth Congress, first session, Ch. LXXIV, July 30, 1846, taking effect Dec. 1, 1846.	Thirty-fourth Congress, third session, Ch. XCVIII, Mar. 3, 1857, taking effect July 1, 1857.	Thirty-sixth Congress, second session, Ch. LXVIII, Mar. 2, 1861, taking effect Apr. 1, 1861.	Thirty-seventh Congress, second session, Ch. CLXIII, July 14, 1862, taking effect Aug. 1, 1862.	Thirty-eighth Congress, first session, Ch. CLXXI, June 30, 1864, taking effect July 1, 1864.
Fresh fish:					
Herring.....	} 20 per cent....	} 15 per cent....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb.
Salmon.....					
All other.....					
For immediate consumption.		15 per cent....	Free.....	Free.....	Free.
Dried or smoked:					
Cod, hake, etc.....	} 20 per cent....	} 15 per cent....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb.
Herring.....					
All other (n. o. p.).....					
Salmon.....	30 per cent....	24 per cent....	30 per cent....	30 per cent....	30 per cent.
Pickled fish:					
Herring.....	} 20 per cent....	} 15 per cent....	} \$1 per bbl....	} \$1 per bbl....	} \$1 per bbl.
Mackerel.....					
Salmon.....					
All other.....					
In barrels.....			\$1.50 per bbl....	\$1.50 per bbl....	\$1.50 per bbl.
Not in barrels.....			½ c. per lb....	½ c. per lb....	½ c. per lb.
Canned fish:					
Sardines.....	40 per cent....	30 per cent....	30 per cent....	30 per cent....	50 per cent.
Other fish in oil.....	40 per cent....	30 per cent....	30 per cent....	30 per cent....	30 per cent.
All other canned fish.....	40 per cent....	30 per cent....	30 per cent....	35 per cent....	35 per cent.
Shellfish					Free.
Miscellaneous products:					
Ambergris.....	20 per cent....	4 per cent....	Free.....	Free.....	Free.
Cuttlefish bone.....	20 per cent....	15 per cent....	.....	5 c. per lb....	5 c. per lb.
Oil, fish and whale.....	20 per cent....	15 per cent....	20 per cent....	20 per cent....	20 per cent.
Seal.....		4 per cent....	10 per cent....	10 per cent....	10 per cent.
Sea-weed (dulse).....					\$5 per ton and 15 per cent.
Shells, unmanufactured.	5 per cent....	4 per cent....	Free.....	Free.....	Free.
Manufactures of skins, fish and shark.....	30 per cent....	24 per cent....	30 per cent....	35 per cent....	35 per cent.
Sounds or isinglass.....	20 per cent....	15 per cent....	20 per cent....	20 per cent....	20 per cent.
Sponges.....	20 per cent....	15 per cent....	8 c. per lb....	8 c. per lb....	8 c. per lb.
Whalebone—unmanufactured.....	20 per cent....	8 per cent....	10 per cent....	20 per cent....	20 per cent.
Manufactures of—unenumerated—	} 20 per cent....	} 15 per cent....	} 20 per cent....	} 20 per cent....	} 20 per cent.
Crude.....					
Manufactured.....	20 per cent....	15 per cent....	10 per cent....	10 per cent....	10 per cent.
Manufactured.....			20 per cent....	20 per cent....	20 per cent.

Designation.	Forty-second Congress, second session, Ch. CCCXV, June 6, 1872, taking effect Aug. 1, 1872.	Forty-third Congress, second session, Ch. XXXVI, Feb. 8, 1875, taking effect Feb. 8, 1875.	Forty-seventh Congress, second session, Ch. CXXI, Mar. 3, 1883, taking effect Mar. 4, 1883.	Fifty-first Congress, second session, Ch. MCCCXIV, Oct. 1, 1890, taking effect Oct. 6, 1890.	Fifty-third Congress, second session, Ch. CCCXLIX, Aug. 27, 1894, taking effect Aug. 27, 1894.
Fresh fish:					
Herring.....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb.
Salmon.....					
All other.....					
For immediate consumption.	Free.....	Free.....	Free.....	Free.....	Free.
Frozen or packed in ice.....					Free. a
Dried or smoked:					
Cod, hake, etc.....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb....	} ½ c. per lb.
Herring.....					
All other (n. o. p.).....					
Salmon.....	30 per cent....	30 per cent....	25 per cent....	1 c. per lb....	½ c. per lb.

a Other than herring or salt-water fish, which are classed with "all other." The Treasury Department has held that fish, fresh, whether caught in fresh or salt water, if imported otherwise than "frozen or packed in ice" are dutiable at the rate of ten per cent ad valorem, under section 3 of the act of 1894, as an unenumerated unmanufactured article.

15. Comparative statement of the rates of import duty imposed on fishery products under the principal tariff enactments from July 4, 1789, to August 27, 1894, inclusive—Cont'd.

Designation.	Forty-second Congress, second session, Ch. CCCXV, June 6, 1872, taking effect Aug. 1, 1872.	Forty-third Congress, second session, Ch. XXXVI, Feb. 8, 1875, taking effect Feb. 8, 1875.	Forty-seventh Congress, second session, Ch. CXXI, Mar. 3, 1883, taking effect Mar. 4, 1883.	Fifty-first Congress, second session, Ch. MCCXLIV, Oct. 1, 1890, taking effect Oct. 6, 1890.	Fifty-third Congress, second session, Ch. CCXLIX, Aug. 27, 1894, taking effect Aug. 27, 1894.
Pickled fish:					
Herring.....	\$1 per bbl.....	\$1 per bbl.....	$\frac{1}{2}$ c. per lb.....	\$1 per bbl.....	$\frac{1}{2}$ c. per lb.....
Mackerel.....	\$2 per bbl.....	\$2 per bbl.....	1 c. per lb.....	\$2 per bbl.....	$\frac{3}{4}$ c. per lb.....
Salmon.....	\$3 per bbl.....	\$3 per bbl.....	1 c. per lb.....	1 c. per lb.....	1 c. per lb.....
All other—					
In barrels.....	\$1.50 per bbl.....	\$1.50 per bbl.....	1 c. per lb.....	\$2 per bbl.....	$\frac{3}{4}$ c. per lb.....
Not in barrels..	$\frac{1}{2}$ c. per lb.....	$\frac{1}{2}$ c. per lb.....	$\frac{1}{2}$ c. per lb.....	$\frac{3}{4}$ c. per lb.....	$\frac{3}{4}$ c. per lb.....
Canned fish:					
Sardines in tin boxes—					
Not over 5 by 4 by $\frac{3}{4}$ inches.....	50 per cent.....	15 c. per box.....	10 c. per box.....	10 c. per box.....	10 c. per box.....
Not over 5 by 4 by $\frac{1}{2}$ inches.....		$7\frac{1}{2}$ c. per box.....	5 c. per box.....	5 c. per box.....	5 c. per box.....
Not over $4\frac{1}{2}$ by $3\frac{3}{4}$ by $\frac{1}{2}$ inches.....		4 c. per box.....	$2\frac{1}{2}$ c. per box.....	$2\frac{1}{2}$ c. per box.....	$2\frac{1}{2}$ c. per box.....
In any other form.....		60 per cent.....	40 per cent.....	40 per cent.....	40 per cent.....
Other fish in oil..	30 per cent.....	30 per cent.....	30 per cent.....	30 per cent.....	20 per cent.....
All other canned fish.	35 per cent.....	35 per cent.....	25 per cent.....	30 per cent.....	20 per cent.....
Fish for bait.....	Free.....	Free.....	Free.....	Free.....	Free.....
Shrimp and other shellfish.	Free.....	Free.....	Free.....	Free.....	Free.....
Miscellaneous products:					
Ambergris.....	Free.....	Free.....	Free.....	Free.....	Free.....
Ambergris oil.....	Free.....	Free.....	Free.....	Free.....	Free.....
Coral—					
Not cut.....	Free.....	Free.....	Free.....	Free.....	Free.....
Cut or manufactured.	30 per cent.....	30 per cent.....	25 per cent.....	25 per cent.....	25 per cent.....
Cuttlofish bone.....	Free.....	Free.....	Free.....	Free.....	Free.....
Oil—					
Cod liver.....	20 per cent.....	20 per cent.....	25 per cent.....	15 c. per gall.....	20 per cent.....
Sperm.....				8 c. per gall.....	25 per cent.....
Fish, seal, and whale.				8 c. per gall.....	25 per cent.....
Seaweed (dulso).....	Free.....	Free.....	Free.....	Free.....	Free.....
Shells—					
Not cut or ground.	Free.....	Free.....	Free.....	Free.....	Free.....
Manufactured.....	Free.....	35 per cent.....	25 per cent.....	Free.....	Free.....
Pearl—					
Not cut.....	35 per cent.....	Free.....	Free.....	Free.....	Free.....
Manufactures of.	35 per cent.....	Free.....	25 per cent.....	40 per cent.....	30 per cent.....
Skins, fish and shark.	20 per cent.....	20 per cent.....	Free.....	Free.....	Free.....
Sounds, or bladders—					
Crude.....	Free.....	Free.....	Free.....	Free.....	Free.....
Prepared (ishin-glass).	Free.....	Free.....	25 per cent.....	$1\frac{1}{2}$ c. per lb., or 25 to 30 p. ct.	25 per cent.....
Sporinacci.....	8 per cent.....				
Sponges.....	20 per cent.....	20 per cent.....	20 per cent.....	20 per cent.....	10 per cent.....
Whalebone—					
Unmanufactured.	Free.....	Free.....	Free.....	Free.....	Free.....
Manufactures of.	35 per cent.....	35 per cent.....	30 per cent.....	30 per cent.....	25 per cent.....

NOTE.—When no rates are affixed to articles in any column they are not enumerated in the respective enactments, and consequently must be regarded as "unenumerated" and subject to the duty levied thereon. But in some cases they are classed with enumerated articles of similar character.

The effect of the tariff regulations from 1869 to 1894, inclusive, appears in Table 16, showing the value of each principal class of fishery products imported for consumption and the amount of duty paid thereon during each of those years. For convenience of comparison, the total value of all imports for consumption into the United States, the amount of duties collected, exclusive of additional and discriminating duties, and the average ad valorem rate during each year is shown in the last three columns of this table.

16. Classified statement of the values of fishery products imported for consumption and the amount of duties paid thereon during each year from 1869 to 1894, inclusive, and comparison with the total imports for consumption into the United States.

Year ending June 30—	Fish and shellfish.		Marine oils.		Marine shells.		Sponges.		Sounds, isinglass, etc.	
	Values.	Duties.	Values.	Duties.	Values.	Duties.	Values.	Duties.	Values.	Duties.
1869.....	\$1,869,350	\$561,590	\$426,874	\$61,081	\$1,820	\$177	\$74,731	\$14,946	\$8,710	\$2,512
1870.....	2,179,745	727,976	369,167	48,040	8,441	2,214	93,952	18,790	8,089	2,128
1871.....	2,071,093	660,225	204,228	30,978	22,244	4,114	113,127	22,625	6,542	1,953
1872.....	1,833,205	647,547	158,504	31,701	188,283	8,040	153,443	30,689	28,437	8,238
1873.....	2,632,730	772,545	119,788	23,997	136,138	1,745	189,986	37,997	123,750	1,553
1874.....	3,111,739	499,253	163,046	14,221	120,887	1,074	121,798	24,360	96,244	.....
1875.....	3,078,097	348,698	185,404	4,752	125,049	2	110,440	22,088	52,401	.....
1876.....	2,585,973	358,587	151,249	9,928	257,241	.....	87,621	17,524	42,322	.....
1877.....	2,344,167	375,917	119,340	5,350	172,251	.....	88,798	17,760	32,236	.....
1878.....	2,976,458	337,473	211,847	7,095	187,507	.....	90,127	18,025	104,552	.....
1879.....	2,832,303	439,413	125,547	8,738	231,743	.....	130,515	26,104	202,765	.....
1880.....	3,187,360	601,089	223,139	10,509	204,730	.....	183,690	36,738	198,025	.....
1881.....	3,621,224	469,353	361,956	13,664	288,154	.....	229,292	45,858	245,239	.....
1882.....	3,783,228	414,916	270,250	17,508	230,231	.....	293,021	58,724	169,148	.....
1883.....	4,695,898	357,079	290,575	15,384	206,254	.....	270,462	64,092	189,575	.....
1884.....	5,322,348	352,177	373,773	92,508	258,630	3,067	241,874	48,975	129,224	9,078
1885.....	4,825,935	281,972	209,845	22,420	164,080	2,820	235,510	46,101	166,305	11,276
1886.....	3,251,878	502,288	88,811	22,203	245,848	5,663	296,963	59,393	181,784	9,283
1887.....	3,915,914	611,038	85,830	21,401	228,709	3,979	302,510	60,502	185,062	15,403
1888.....	4,451,092	645,507	92,516	23,128	178,819	4,619	268,551	53,730	176,843	8,864
1889.....	4,557,841	595,044	105,938	28,485	279,763	2,875	277,373	55,475	112,302	4,669
1890.....	4,925,351	674,442	95,047	23,987	340,654	8,652	352,885	70,577	63,186	3,162
1891.....	5,724,202	893,067	113,775	33,300	638,576	40,937	381,879	76,376	112,106	5,006
1892.....	5,602,433	880,385	151,000	40,603	116,536	78,041	331,241	69,248	76,093	4,079
1893.....	5,342,825	922,443	285,593	87,099	1,621,081	113,537	365,349	73,050	74,198	4,743
1894.....	4,782,082	795,488	184,510	61,810	1,037,152	151,353	217,450	43,491	42,309	1,736
Total ..	94,703,377	14,624,112	5,168,460	608,548	8,690,140	438,809	5,503,203	1,099,640	2,826,056	92,873

Year ending June 30—	All other fishery products.		Total fishery products.			All imports for consumption.		
	Values.	Duties.	Values.	Duties.	Average ad valorem rate of duty.	Values.	Duties.	Average ad valorem rate of duty.
1869.....	\$20,800	\$7,772	\$2,411,309	\$648,078	26.45	\$394,449,174	\$176,114,904	44.65
1870.....	26,129	6,796	2,685,523	800,544	30.03	426,346,010	191,221,769	42.23
1871.....	44,042	12,330	2,461,276	732,225	29.75	500,216,122	201,985,575	38.94
1872.....	72,098	19,798	2,433,970	046,103	26.55	560,419,034	212,030,727	37.00
1873.....	73,882	19,922	3,170,280	856,359	26.90	663,146,657	184,556,045	26.95
1874.....	43,587	9,557	3,066,301	548,465	14.96	567,443,527	160,185,383	26.88
1875.....	45,097	10,875	3,597,088	386,415	10.40	526,260,570	154,271,805	28.20
1876.....	53,103	10,793	3,177,309	391,832	12.33	464,586,307	144,982,442	30.19
1877.....	40,198	9,963	2,796,990	408,990	14.62	439,829,389	128,223,207	26.68
1878.....	22,688	5,624	3,592,079	368,115	10.25	438,422,468	127,515,185	27.13
1879.....	23,403	4,702	3,546,276	478,956	13.50	439,292,374	133,159,025	28.97
1880.....	28,510	3,121	4,116,454	651,467	13.39	627,555,271	182,415,162	29.07
1881.....	15,168	1,708	4,769,183	530,583	11.15	650,619,000	103,561,011	29.75
1882.....	16,393	1,623	4,771,871	492,771	10.33	716,213,948	215,017,600	30.11
1883.....	14,886	2,650	5,647,650	430,111	7.62	700,829,073	200,659,690	29.02
1884.....	35,857	271	6,361,715	446,376	7.02	607,675,389	189,844,995	28.44
1885.....	46,439	1,355	5,647,123	385,947	6.49	576,580,054	177,319,550	30.59
1886.....	19,435	1,151	4,084,719	599,981	14.68	625,308,814	188,379,397	30.13
1887.....	13,995	464	4,732,719	713,747	15.09	663,418,981	212,032,424	31.03
1888.....	15,670	817	5,183,610	736,065	14.21	712,248,626	213,600,802	29.98
1889.....	31,128	151	5,964,545	685,599	12.78	741,431,398	218,701,774	29.50
1890.....	39,537	11	5,811,500	781,031	13.44	773,074,812	225,317,076	29.12
1891.....	9,407	402	6,080,925	1,049,088	15.04	854,519,577	215,790,686	25.25
1892.....	10,143	1,746	6,087,446	1,071,102	16.00	813,601,345	173,097,671	21.26
1893.....	18,643	2,764	7,708,189	1,203,436	15.61	844,454,583	198,373,453	23.49
1894.....	13,394	1,731	6,270,903	1,055,600	16.82	636,614,420	128,881,869	20.25
Total ..	796,231	138,003	117,077,473	17,086,485	.....	16,048,057,529	4,757,248,305	.....

a Exclusive of additional and discriminating duties.

Reciprocity treaties of 1854 and 1873.—The principal imports of fishery products are from the British North American Provinces, and between those Provinces and the United States there have been two treaties permitting the free interchange of fishery products. The first was in force from September 11, 1854, to March 17, 1866; and the second, known as the Washington treaty, from July 1, 1873, to June 30, 1885. Information is not available to show the quantity of fish imported for consumption¹ from the Provinces during the continuance of the first treaty, nor the amount of duties thereby released, but during a period of 13 years preceding and following that treaty the duties collected on imports from the provinces amounted to \$3,016,091, an average of \$232,007 per annum. On the same basis the amount of duties released by that treaty was nearly \$3,000,000, but it was actually much in excess of that amount. The following compilation shows the estimated amount of duties remitted by the second reciprocity treaty with the British North American Provinces:

17. *Statement of the value of fishery products imported for consumption free of duty under the second reciprocity treaty with the British North American Provinces and the estimated amount of duty remitted.*

Year ending June 30—	Fishery products imported for consumption.	Estimated duties remitted.
1874.....	\$1, 587, 234	\$392, 882
1875.....	1, 847, 684	477, 042
1876.....	1, 555, 861	363, 564
1877.....	1, 118, 109	260, 016
1878.....	1, 859, 772	431, 564
1879.....	1, 539, 073	411, 275
1880.....	1, 557, 667	475, 688
1881.....	2, 179, 863	597, 961
1882.....	1, 148, 725	937, 088
1883.....	2, 735, 604	553, 571
1884.....	3, 147, 716	635, 528
1885.....	2, 700, 831	689, 002
Total.....	22, 984, 139	6, 225, 781

Customs law of August 27, 1894.—The tariff enactment of 1894 made several modifications in the rates of duty exacted on fishery products by the customs law of 1890. The paragraphs relating to fishery products are set forth in the following comparative form, the first column containing the provisions in the law now operative and the second representing the rates of duty required by the law of 1890:

1894.	1890.
19. Gelatin, glue, isinglass or fish glue, and prepared fish bladders or fish sounds, 25 per cent ad valorem.	27. Gelatin, glue, and isinglass or fish glue, valued at not above 7 cents per per pound, 1½ cents per pound; valued at above 7 cents per pound and not above 30 cents per pound, 25 per cent ad valorem; valued at above 30 cents per pound, 30 per cent ad valorem.
28. Cod-liver oil, 20 per cent ad valorem.	38. Cod-liver oil, 15 cents per gallon.
34. Seal, herring, whale, and other fish oil not specially provided for in this act, 25 per cent ad valorem.	40. Seal, herring, whale, and other fish oil not specially provided for in this act, 8 cents per gallon.
69. Sponges, sea moss or Iceland moss, 10 per cent ad valorem.	86. Sponges, 20 per cent ad valorem.

¹A classified statement of the imports (but not imports for consumption) from the British Provinces during the continuation of the reciprocity treaty from September 11, 1854, to March 17, 1866, is given in Table 6, on page 413.

1894—Continued.

- 208. Anchovies and sardines, packed in oil or otherwise, in tin boxes measuring not more than 5 inches long, 4 inches wide, and 3½ inches deep, 10 cents per whole box; in half boxes, measuring not more than 5 inches long, 4 inches wide, and 1½ inches deep, 5 cents each; in quarter boxes, measuring not more than 4½ inches long, 3½ inches wide, and 1½ inches deep, 2½ cents each; when imported in any other form, 40 per cent ad valorem.
- 209. Fish, smoked, dried, salted, pickled, or otherwise prepared for preservation, three-fourths of 1 cent per pound.
- 210. Herrings, pickled, frozen, or salted, and salt-water fish frozen or packed in ice, one-half of 1 cent per pound.
- 211. Fish in cans or packages made of tin or other material, except anchovies and sardines, and fish packed in any other manner, not specially enumerated or provided for in this act, 26 per cent ad valorem.
(Not provided for in tariff act of 1894.)
- 337. Pearls, including pearls strung but not set, 10 per cent ad valorem.
- 351. Manufactures of * * * bladders (3), coral (4), * * * or of which these substances or either of them is the component material of chief value, not specially provided for in this act, 25 per cent ad valorem.
- 352. Manufactures of * * * whalebone, * * * 25 per cent ad valorem.
- 354. Manufactures of * * * mother-of-pearl, gelatin, and shell, or of which these substances or either of them is the component material of chief value, not specially provided for in this act, * * * 35 per cent ad valorem.

The following articles were exempted from duty:

- 370. Ambergris.
- 403. Bladders, and all integuments of animals, and fish sounds or bladders, crude, salted for preservation, and unmanufactured, not specially provided for in this act.
- 456. Coral, marine, uncut, and unmanufactured.
- 465. Cuttlefish bone.
- 471. Eggs of birds, fish, and insects. * * *
- 481. Fish, frozen, or packed in ice, fresh.
- 482. Fish for bait.
- 483. Fish skins.
- 524. Kelp.
- 558. Moss, seaweeds, and vegetable substances, crude and unmanufactured, not otherwise specially provided for in this act.
- 568. Oils, * * * ambergris, * * * and also spermaceti; whale and other fish oils of American fisheries, and all fish and other products of such fisheries. * * *
- 580. Pearl, mother of, not sawed or cut, or otherwise manufactured.
- 613. Shells of all kinds, not cut, ground, or otherwise manufactured.
- 615. Shrimps and other shellfish, canned or otherwise.
- 661. Turtles.
- 671. Whalebone, unmanufactured.

1890—Continued.

- 201. Anchovies and sardines, packed in oil or otherwise, in tin boxes measuring not more than 5 inches long, 4 inches wide, and 3½ inches deep, 10 cents per whole box; in half boxes, measuring not more than 5 inches long, 4 inches wide, and 1½ inches deep, 5 cents each; in quarter boxes, measuring not more than 4½ inches long, 3½ inches wide, and 1½ inches deep, 2½ cents each; when imported in any other form, 40 per cent ad valorem.
- 202. Fish, packed in barrels or half barrels, and mackerel or salmon, pickled or salted, 1 cent per pound.
- 203. Fish, smoked, dried, salted, pickled, frozen, packed in ice, or otherwise prepared for preservation, and fresh fish, not specially provided for in this act, three-fourths of 1 cent per pound.
- 204. Herrings, pickled or salted, one-half of 1 cent per pound; herrings, fresh, one-fourth of 1 cent per pound.
- 205. Fish in cans or packages made of tin or other material, except anchovies and sardines, and fish packed in any other manner, not specially enumerated or provided for in this act, 30 per cent ad valorem.
- 290. Cans or packages made of tin or other metal containing shellfish admitted free of duty, not exceeding one quart in contents, (1) shall be subject to a duty of 8 cents per dozen cans or packages, and when exceeding one quart (2) shall be subject to an additional duty of 4 cents per dozen for each additional half quart or fractional part thereof: *Provided*, That until June 30, 1891, such cans or packages shall be admitted as now provided by law.
- 453. Pearls, 10 per cent ad valorem.
- 450. Manufactures of * * * bladders, coral, * * * or of which these substances or either of them is the component material of chief value, not specially provided for in this act, 25 per cent ad valorem.
- 460. Manufactures of * * * whalebone, * * * 30 per cent ad valorem.
- 402. Manufactures of * * * mother-of-pearl and shell, or of which these substances or either of them is the component material of chief value, not specially provided for in this act, 40 per cent ad valorem.
- 480. Ambergris.
- 507. Bladders, including fish bladders or fish sounds, crude, and all integuments of animals, not specially provided for in this act.
- 457. Coral, marine, uncut, and unmanufactured.
- 555. Cuttlefish bone.
- 561. Eggs of birds, fish, and insects.
- 571. Fish, the product of American fisheries, and fresh or frozen fish (except salmon) caught in fresh waters by American vessels, or with nets or other devices owned by citizens of the United States.
- 572. Fish for bait.
- 573. Fish skins.
- 623. Kelp.
- 653. Moss, seaweeds, and vegetable substances, crude or unmanufactured, not otherwise specially provided for in this act.
- 601. Oils, * * * ambergris, * * * and also spermaceti; whale and other fish oils of American fisheries, and all other articles the product of such fisheries.
- 673. Pearl, mother of, not sawed, cut, polished, or otherwise manufactured.
- 701. Shells of all kinds, not cut, or otherwise manufactured.
- 703. Shrimps and other shellfish.
- 744. Turtles.
- 753. Whalebone, unmanufactured.

Import duties in foreign countries.—The rates of duty imposed on fishery products imported for consumption in the United States do not greatly differ from the average in other countries. Of European countries, the average rates of duty in Austria, France, Greece, Russia, Spain, and Switzerland are somewhat higher, while the average in Denmark, Germany, Italy, Netherlands, Portugal, and Sweden is generally less. There are no duties on fishery products imported into Great Britain, and most articles are admitted free into Belgium. On the American continent, the specific rates of duty in Haiti, Santo Domingo, Cuba, Puerto Rico, Mexico, Nicaragua, Salvador, Argentina, Bolivia, Brazil, Chile, Colombia, Uruguay, and Venezuela average greater than in the United States, while the duties are less in Canada, the Bahamas, Barbados, Jamaica, Leeward Islands, Windward Islands, Dutch West Indies, French West Indies, British Honduras, Ecuador, British Guiana, and Peru. In Australia the specific duties are greater than on similar products in the United States, but the ad valorem duties are much less, averaging only about 12 per cent. In French Oceania, China, Korea, Siam, Japan, Ceylon, and British New Guinea the import duties are very much less than in the United States.

Table 18 shows approximately the rates of duty imposed on the principal fishery products imported into certain foreign countries, and is arranged so as to compare readily with the present rates of duty on similar products imported into the United States. The comparative rates of duty imposed in each foreign country on each of the principal fishery products are shown in succeeding tables.

18. Comparative statement showing approximately the rates of duty imposed on fishery products imported into certain countries.

Item.	Austria-Hungary.	France.	Germany.	Italy.	Canada.	
Fish:	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>		
Fresh	\$0.29	\$0.435	Free.	Free.	25 per cent ad val.	
Dried or salted—						
Cod .....	.72	4.20	} \$0.32	\$0.437	\$0.50 per 100 lbs. a
Herring .....	.433	1.32			
Other dried fish	.72	2.19				
Pickled—						
Herring	} 2.17	} 2.19	} .32	} .525	} .50 per 100 lbs.	
Mackerel						} 1.00 per 100 lbs.
Salmon .....							} Do.
Cod and other pickled fish.						
Sardines—						
Whole boxes ..	} 5.80	} 2.19	} 0.480	} 2.020	} .05 per box.	
Half boxes ..						} .025 per box.
Quarter boxes..							} .02 per box.
Other						
Other canned fish.	5.80	2.19	0.480	2.020	25 per cent ad val.	
Oil:						
Cod-liver	}	} .520	}	} 1.31	}	
Fish						} 430-1.317	} .....	} .....	} .525
Seal, whale, etc..	} 1.31					
Fish glue871	3.50		1.31					$3 per 100 lbs.
Fish sounds .....	.....	Free.	.....	.....	20 per cent ad val.
Spermaceti .....	.58	\$0.439	.....	.....	Do.
Whalobone .....	.72	Free and \$8.75	.....	.....	Free.

a Smoked, \$1.

18. Comparative statement showing approximately the rates of duty imposed on fishery products imported into certain countries—Continued.

Item.	Haiti.	Jamaica.	Brazil.	British Guiana.	Cuba.	Santo Domingo.		
Fish:	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>		
Fresh.....	.....	Free.	\$1.00	Free.	Free.	.....	
Dried or salted—	.....	.....	.....	.....	.....	.....
Cod.....	\$1.35	\$0.74	} 1.00	\$0.44	\$0.76	\$0.85		
Herring.....	.72	a. 74						
Other dried fish.....	.....	b. 74					
Pickled—	.....	.....	.....	.....	.....	.....
Herring.....	} .72	.304	} 1.00	.125	} .76	1.27		
Mackerel.....		} .49		} 1.00		.50	} 1.197	c No. 1, 1.90
Salmon.....						} .76		} 1.25	} .76	3.39
Cod and other pickled fish.....		
Sardines—	<i>Per box.</i>	.....	.....	.....	.....	.....
Whole boxes.....	\$0.10	} 8 per cent ad val.	} 11.88	} 1.00	} 5.04	} 9.50		
Half boxes.....	.08							
Quarter boxes.....	.04							
Other canned fish.....	0.65	do.....	11.88	d 1.00	.....	.....
Oil:	.....	.....	.....	.....	.....	.....
Cod-liver.....	.....	} \$0.18 per gall.	15.84	} 25c. per gal.	.....	.....
Fish.....	.....		3.70		2.184	1.27	
Seal, whale, etc.....	.....		3.70		1.89	1.58	
Fish glue.....	<i>Per 100 lbs.</i>	.....	.....	.....	.....	.....
Spermaceti.....	\$4.82	.....	0.00	.....	.....	7.07
Whalobone.....	53.77	.....	0.44	.....	63.00	7.02

Item.	Costa Rica.	Argentina.	Chilo.	Colombia.	Venezuela.	United States.			
Fish:	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>	<i>Per 100 lbs.</i>			
Fresh.....	\$1.54	Free.	.....	\$1.10	.....	\$0.60	
Dried or salted—	.....	.....	.....	.....	.....	.....
Cod.....	} 1.54	} \$3.92	} \$1.72	} 2.20	} 2.20	} .75			
Herring.....									
Other dried fish.....							2.17
Pickled—	.....	.....	.....	.....	.....	.....
Herring.....	} 1.54	} 4.20	} 1.72	} 1.10	} 2.20	} .50			
Mackerel.....									
Salmon.....							2.40
Cod and other pickled fish.....							1.72
Sardines—	.....	.....	.....	.....	.....	.....
Whole boxes.....	.....	.....	.....	.....	.....	<i>Per box.</i> \$0.10
Half boxes.....	.....	.....	.....	.....	.....	.05
Quarter boxes.....	.....	13.13	5.10	4.41	2.20	.025		
Other.....	.....	.....	.....	.....	.....	40 per cent ad val.
Other canned fish.....	2.42	.....	2.40	4.41	6.57	20 per cent ad val.		
Oil:	.....	.....	.....	.....	.....	.....
Cod-liver.....	.....	.14	.....	.....	10.94	20 per cent ad val.
Fish.....	.....	2.10	.....	.....	6.57	.....		
Seal, whale, etc.....	.....	.....	1.35	.....	.....	25 p. ct. ad val.
Fish glue.....	2.42	43.77	2.57	4.41	.....	.....	
Fish sounds.....	.....	.....	.....	.....	.....	Free.
Spermaceti.....	1.54	8.75	8.30	4.41	6.57	25 per cent ad val.			
Whalobone.....	11.90	.....	4.55	.....	.....	Free.

a Smoked, \$0.50.
b Smoked, \$1.

c No. 2, \$1.58 per 100 lbs.; No. 3, \$1.27 per 100 lbs.
d Salmon and oysters free.

III.—THE EXPORT TRADE.

Exports from 1790 to 1820.—The products of the fisheries comprised a large portion of the early exports from the United States. At the close of the last century the value exceeded \$2,000,000 annually, consisting almost entirely of products of the cod and whale fisheries, the former being from 5 to 10 times as valuable as the latter. The extent of the exports from 1790 to 1820, inclusive, is set forth in Table 19, compiled from the American State Papers and from Pitkin's Statistics. The value of the exports from 1792 to 1802, inclusive, is not definitely known, and for the years from 1803 to 1816, inclusive, the values of sperm oil and spermaceti are aggregated, as also are those of whale oil and whalebone.

19. *Statement of the exports of fishery products from the United States during each year from 1790 to 1820, inclusive.*

Year ending Sep- tember 30—	Fish.					Marine oils.	
	Dried or smoked.		Pickled or brine-salted.			Sperm.	
	Quintals.	Values.	Barrels.	Kegs.	Values.	Gallons.	Values.
1790	378, 721	\$828, 531	36, 804	.....	\$113, 165	α 5, 431	\$79, 542
1791	383, 237	958, 093	57, 424	.....	172, 272	134, 595	53, 838
1792	364, 898	(b)	48, 277	.....	(b)	63, 383	(b)
1793	372, 825	(b)	45, 440	.....	(b)	140, 050	(b)
1794	436, 554	(b)	36, 030	.....	(b)	82, 493	(b)
1795	400, 818	(b)	55, 999	.....	(b)	80, 856	(b)
1796	377, 713	(b)	84, 558	5, 256	(b)	104, 045	(b)
1797	406, 016	(b)	69, 782	7, 351	(b)	27, 556	(b)
1798	411, 075	(b)	68, 827	6, 220	(b)	128, 758	(b)
1799	428, 495	(b)	63, 543	15, 993	(b)	114, 264	(b)
1800	392, 726	(b)	50, 388	12, 403	(b)	221, 762	(b)
1801	410, 948	(b)	85, 935	10, 424	(b)	91, 684	(b)
1802	440, 954	(b)	75, 819	13, 229	(b)	28, 470	(b)
1803	461, 870	1, 620, 000	76, 831	11, 565	560, 000	46, 984	(c)
1804	567, 825	2, 400, 000	89, 442	13, 045	640, 000	5, 550	(e)
1805	514, 549	2, 058, 000	50, 770	7, 207	348, 000	72, 624	(c)
1806	537, 457	2, 150, 000	64, 615	10, 155	366, 000	42, 785	(e)
1807	473, 924	1, 896, 000	57, 621	13, 743	302, 000	44, 339	(c)
1808	155, 808	623, 000	18, 957	3, 036	98, 000	612	(e)
1809	345, 648	1, 123, 000	54, 577	9, 380	282, 000	51, 071	(c)
1810	280, 804	913, 000	34, 674	5, 964	214, 000	63, 910	(c)
1811	216, 387	757, 000	44, 716	9, 398	305, 000	136, 249	(c)
1812	169, 019	592, 000	23, 000	3, 143	146, 000	63, 210	(c)
1813	60, 022	210, 000	13, 333	568	81, 000	.....	(e)
1814	31, 310	128, 000	8, 436	87	50, 000	.....	(e)
1815	102, 824	494, 000	36, 141	3, 062	218, 000	8, 018	(c)
1816	217, 892	935, 000	37, 979	6, 983	221, 000	2, 756	(c)
1817	267, 514	1, 003, 178	44, 426	15, 551	324, 872	11, 300	11, 300
1818	308, 717	1, 080, 510	55, 110	7, 100	317, 355	208, 467	156, 350
1819	280, 555	1, 052, 081	66, 563	6, 746	409, 497	75, 360	55, 520
1820	321, 419	964, 257	87, 916	7, 309	538, 433	9, 307	6, 980
Total	10, 518, 524	.....	1, 649, 451	204, 018	.....	{ 2, 121, 070 α 5, 431 }	.....

α Barrels.

b Not separately reported.

c Included with whale and fish oil.

19. Statement of the exports of fishery products from the United States during each year from 1790 to 1830, inclusive—Continued.

Year ending Sep- tember 30—	Marine oils (continued).		Spermaceti.		Whalebone.		Total.
	Whale and fish.		Pounds.	Values.	Pounds.	Values.	Values.
	Gallons.	Values.					
1790	a 15,765	\$124,008	70,379	\$27,724	121,281	\$20,417	\$1,194,287
1791	447,323	89,405	182,400	54,720	124,829	24,966	1,353,354
1792	435,423	(b)	157,520	(b)	154,407	(b)	
1793	512,780	(b)	235,600	(b)	202,620	(b)	
1794	1,000,208	(b)	214,960	(b)	354,617	(b)	
1795	810,524	(b)	240,720	(b)	410,064	(b)	
1799	1,176,050	(b)	221,903	(b)	308,314	(b)	
1797	582,425	(b)	130,438	(b)	452,127	(b)	
1798	709,040	(b)	144,149	(b)	62,805	(b)	
1799	420,949	(b)	240,301	(b)	89,572	(b)	
1800	204,468	(b)	181,321	(b)	32,036	(b)	
1801	215,522	(b)	290,660	(b)	23,100	(b)	
1802	379,976	(b)	135,637	(b)	80,334	(b)	
1803	550,635	c 280,000	238,034	d 175,000	69,802	(e)	2,635,000
1804	646,605	c 310,000	127,602	d 70,000	134,000	(e)	3,420,000
1805	626,089	c 315,060	180,535	d 163,000	21,335	(e)	2,884,000
1806	826,233	c 418,000	294,789	d 182,000	50,694	(e)	3,110,000
1807	932,797	c 470,000	172,132	d 130,000	104,035	(e)	2,804,000
1808	108,019	c 88,000	45,130	d 23,000	8,660	(e)	832,000
1809	421,282	c 169,000	214,444	d 136,000	8,825	(e)	1,710,000
1810	544,734	c 222,000	187,190	d 132,000	42,843	(e)	1,481,000
1811	186,661	c 78,000	257,094	d 273,000	30,346	(e)	1,413,000
1812	106,369	c 56,000	157,590	d 141,000	8,128	(e)	935,000
1813	4,979	c 2,500	26,522	10,500			304,000
1814	837	c 1,000	21,154	9,000			188,000
1815	68,921	c 57,000	312,065	d 143,000	174	(c)	912,000
1816	177,810	c 110,000	116,916	59,000			1,331,000
1817	400,888	230,444	201,939	100,970	3,668	734	1,671,498
1818	986,252	493,120	305,142	137,314	9,300	1,581	2,180,236
1819	800,112	430,056	169,919	76,463	8,038	804	2,024,421
1820	1,282,094	631,047	267,177	106,871	25,202	5,040	2,252,628
Total	{ 15,748,405 } { a 15,765 }		5,741,374		2,042,848		

a Barrels.
b Not separately reported.
c Includes value of sperm oil.

d Includes value of whalebone.
e Included with spermaceti.

Exports from 1821 to 1894.—Table 20, compiled from the annual reports on commerce and navigation, United States Treasury Department, shows the exports of domestic fishery products during each year from 1821 to 1894, inclusive. Prior to 1865, fresh fish were not specially enumerated, and the same is true of "canned fish and other products" prior to 1869, and of oysters prior to 1864; but the imports of those articles before the years stated were not of great extent. It appears from this table that of the \$274,096,530 worth of domestic fishery products exported since 1820, \$86,744,975 worth, or 31 per cent, was marine oils; \$51,990,798, or 19 per cent, dried or smoked fish; 12 per cent, whalebone; 6 per cent, brine-salted fish; 5 per cent, oysters, and 4 per cent, spermaceti.

464 REPORT OF COMMISSIONER OF FISH AND FISHERIES.

20. Classified statement of the domestic exports of fishery products from the United States during each year from 1821 to 1894, inclusive.

Year ending—	Fish, shellfish, etc.						Marine oils.		
	Fresh fish.	Dried or smoked fish.		Brine-salted or pickled fish.		Canned and other prepared fish.	Oysters.	Sperm oil.	
		Values.	Quintals.	Values.	Barrels.			Values.	Values.
Sept. 30—									
1821		267,305	\$708,778	76,950	\$264,813			7,250	\$5,400
1822		241,228	666,730	70,026	240,108			7,610	6,060
1823		202,766	734,024	76,772	270,776			18,333	8,972
1824		310,189	873,685	74,173	263,019			23,578	10,500
1825		300,857	830,356	71,902	248,417			30,548	17,679
1826		260,803	607,742	86,877	257,180			35,528	23,517
1827		247,321	747,171	67,054	240,276			78,091	48,220
1828		265,217	819,926	64,454	246,737			297,270	190,060
1829		294,761	747,541	62,030	220,527			140,241	92,554
1830		229,796	530,690	66,953	225,987			58,814	38,618
1831		230,577	625,393	92,861	304,441			78,150	53,520
1832		250,514	749,909	103,274	306,812			48,212	38,161
1833		249,689	712,317	86,897	277,973			50,392	42,589
1834		253,132	630,384	91,931	223,230			60,935	50,048
1835		287,721	783,895	52,007	224,639			63,827	52,531
1836		210,769	746,464	48,629	221,420			155,142	119,787
1837		188,943	588,506	40,946	181,334			177,004	151,875
1838		206,028	626,245	42,034	192,758			166,805	137,809
1839		208,729	700,218	24,328	141,320			86,047	85,015
1840		211,425	541,858	42,576	179,106			434,608	430,490
1841		252,199	602,810	36,027	148,973			349,393	343,300
1842		256,083	567,782	41,416	162,324			287,761	233,114
June 30—									
1843		174,220	381,175	29,537	116,042			476,688	310,768
1844		271,610	699,836	44,168	197,179			451,317	344,930
1845		288,380	803,353	43,478	208,654			1,054,301	975,195
1846		277,401	699,550	56,588	230,405			772,019	697,570
1847		258,870	659,629	31,072	136,221			795,792	738,456
1848		266,549	609,482	22,518	100,315			206,431	208,832
1849		197,457	419,092	22,630	93,085			526,817	572,763
1850		168,600	365,349	19,483	91,445			730,743	788,794
1851		151,088	367,729	21,616	113,932			605,778	1,044,967
1852		134,732	354,127	19,622	98,883			644,765	809,274
1853		131,665	371,607	15,069	89,409			1,131,098	1,418,845
1854		131,316	389,973	25,669	102,187			847,535	1,105,907
1855		110,926	379,892	17,176	94,111			958,744	1,593,832
1856		168,971	578,011	31,309	173,939			540,784	977,005
1857		174,765	570,348	36,048	211,383			819,098	1,210,888
1858		161,269	487,007	30,892	197,441			890,923	1,097,595
1859		209,350	642,901	35,361	203,760			1,341,025	1,737,734
1860		219,628	690,088	34,119	191,634			1,335,736	1,789,089
1861		219,324	694,941	48,085	244,028			1,518,457	2,110,823
1862	\$70,453	250,819	712,584	68,042	330,685			739,477	962,003
1863		228,234	921,131	75,262	420,816			1,024,704	1,569,287
1864		192,505	967,918	75,280	508,568	\$20,543	\$85,089	851,060	1,298,058
1865	13,890	157,472	1,107,955	56,874	632,690		120,889	700,186	1,511,323
1866	192,198	139,693	734,427	34,305	360,074		200,409	510,978	1,180,381
1867	189,281	100,114	596,586	22,591	217,994		181,271	570,894	1,482,570
1868	184,774	129,074	598,137	25,033	209,461		121,946	602,570	1,379,814
1869	65,348	88,415	398,825	24,228	213,455		89,266	717,172	1,361,388
1870	69,131	111,672	579,334	30,935	253,211		134,804	499,797	794,432
1871	39,983	110,018	592,598	29,653	226,360		168,122	539,562	692,460
1872	67,832	126,613	588,194	30,642	209,977		713,711	693,674	979,082
1873	64,577	118,076	569,151	16,747	109,201		243,723	756,306	1,095,831
1874	56,974	129,082	612,589	20,000	220,041		1,128,208	629,903	827,991
1875	69,448	129,752	710,121	51,025	359,660		1,855,550	170,277	491,130
1876	80,879	175,528	900,306	54,291	417,281		2,102,522	214,196	892,762
1877	114,338	196,648	701,785	76,227	486,738		2,492,405	200,620	634,991
1878	84,278	188,831	766,154	57,554	416,102		3,204,905	399,061	792,398
1879	80,437	197,130	748,747	47,764	290,862		2,951,833	453,306	812,028
1880	124,062	179,450	739,231	54,345	284,293		2,336,899	543,895	882,153
1881	97,539	212,601	840,109	62,092	264,723		2,807,903	582,240	314,568
1882	89,148	159,512	635,156	38,224	244,454		3,221,707	612,793	540,664
1883	72,875	158,445	882,830	48,551	372,385		3,223,870	629,636	276,021
1884	62,009	197,352	1,149,952	45,034	296,806		2,661,587	572,487	343,060
1885	33,350	220,505	1,079,115	60,004	310,170		2,754,685	715,610	209,840
1886	29,734	190,253	890,311	59,371	288,188		2,268,449	732,019	179,808
1887	14,751	195,730	852,212	36,070	210,019		2,148,163	733,973	157,160
1888	28,965	201,500	998,401	19,981	156,454		2,145,458	658,052	130,092
1889	27,151	178,911	941,732	20,601	136,069		4,029,572	834,171	98,832
1890	48,086	198,308	980,245	20,898	136,036		4,039,220	837,239	102,055
1891	40,084	201,082	1,076,381	35,392	190,799		2,898,249	817,108	62,552
1892	66,498	173,024	933,324	39,505	210,751		2,561,919	744,271	140,655
1893	100,656	180,434	910,145	28,105	181,412		2,933,477	625,079	115,104
1894	48,820	190,456	879,500	36,503	192,398		1,682,830	688,653	85,204
Total.	2,337,440	14,777,089	51,990,798	3,382,943	17,404,920	57,893,033	13,708,267	34,274,468	44,451,467

20. Classified statement of the domestic exports of fishery products from the United States during each year from 1821 to 1894, inclusive—Continued.

Year ending—	Marine oils (cont'd).		Spermaceti.		Whalebone.		All other fishery products.	Total.
	Whale and fish oils.		Pounds.	Values.	Pounds.	Values.	Values.	Values.
	Gallons.	Values.						
Sept. 30—								
1821	1,068,025	\$348,001	424,952	\$169,777	16,340	\$1,480		\$1,409,188
1822	990,325	311,415	399,925	151,226	25,202	5,040		1,389,579
1823	1,453,126	415,713	749,973	212,337	86,474	16,402		1,658,224
1824	1,251,836	296,708	508,181	157,772	60,693	9,306		1,610,990
1825	1,072,615	250,200	617,072	202,188	212,062	46,225		1,595,065
1826	652,401	183,343	836,280	288,104	185,709	53,502		1,473,388
1827	481,180	142,648	1,003,658	316,091	241,085	80,950		1,575,332
1828	488,408	140,270	904,597	255,378	120,128	40,991		1,693,980
1829	1,237,902	358,822	1,055,906	201,315	464,225	136,341		1,817,100
1830	1,833,106	568,326	1,082,941	249,292	404,910	112,357		1,725,270
1831	1,637,534	554,440	847,384	217,830	565,926	133,842		1,889,472
1832	3,605,913	1,009,728	859,880	207,333	1,044,227	186,595		2,558,538
1833	3,298,872	924,810	905,318	259,451	1,203,176	185,329		2,402,409
1834	2,614,814	740,610	851,556	257,718	873,983	169,434		2,071,493
1835	2,217,321	773,486	920,740	284,019	270,977	55,954		2,174,524
1836	2,362,325	1,049,400	1,018,520	341,907	731,500	187,008		2,666,058
1837	3,624,001	1,271,545	892,852	294,510	1,129,509	223,082		2,711,452
1838	4,824,370	1,556,775	1,074,509	340,531	1,034,570	321,458		3,175,576
1839	1,482,908	615,484	466,890	178,142	1,445,098	288,790		1,917,989
1840	4,520,878	1,404,084	853,938	332,353	1,892,259	310,379		3,199,170
1841	4,094,924	1,200,660	599,657	231,960	1,271,363	259,148		2,846,851
1842	3,900,728	1,315,411	986,010	318,997	918,280	225,382		2,823,010
June 30—								
1843	2,479,916	803,774	965,073	243,308	898,773	257,481		2,112,548
1844	4,104,504	1,464,068	606,454	180,492	1,149,007	403,090		3,350,501
1845	4,505,662	1,520,368	812,870	236,917	2,084,019	762,042		4,507,124
1846	2,052,874	946,028	1,083,839	295,066	1,697,892	583,870		3,453,398
1847	3,189,502	1,070,650	705,150	191,467	2,031,137	671,691		3,468,033
1848	1,607,038	552,388	598,452	186,839	1,054,379	314,107		1,980,963
1849	2,783,480	965,597	503,911	159,403	1,198,250	337,714		2,547,654
1850	1,470,107	672,640	742,528	260,107	1,981,231	646,483		2,824,891
1851	2,004,880	882,485	538,540	195,916	2,281,931	689,662		3,294,619
1852	892,390	440,387	397,308	143,098	1,184,156	430,073		2,282,442
1853	321,989	223,247	343,092	112,600	2,825,009	1,003,705		3,270,413
1854	718,842	490,426	255,825	77,991	2,150,864	817,817		3,044,301
1855	705,492	485,505	660,080	181,874	1,944,809	781,680		3,516,894
1856	616,094	526,338	201,390	64,857	1,982,800	1,056,047		3,356,797
1857	414,400	363,065	185,563	70,038	2,042,390	1,307,322		3,739,614
1858	840,127	597,107	168,997	66,012	1,103,301	1,165,223		3,559,295
1859	996,341	598,762	126,229	40,278	1,380,465	1,233,530		4,402,074
1860	1,335,736	537,547	157,783	51,820	1,068,895	896,293		4,156,480
1861	1,009,468	581,204	456,408	143,907	979,231	736,552		4,451,515
1862	2,599,316	1,280,697	280,526	84,481	706,384	556,795		3,987,208
1863	2,055,511	1,483,593	229,472	76,946	603,186	375,733		5,050,066
1864	416,405	438,957	624,129	184,668	548,009	763,592		4,360,303
1865	644,547	816,494	224,162	93,062	313,012	493,316		4,765,019
1866	177,509	205,250	191,799	33,592	480,370	659,188		3,562,510
1867	426,882	319,840	77,715	23,330	618,363	653,253		3,603,634
1868	706,534	507,476	332,023	128,337	696,064	587,303		3,717,248
1869	94,361	81,800	253,445	88,706	405,396	384,435	\$46,040	3,001,720
1870	310,878	228,278	82,520	27,172	386,728	343,937		2,870,517
1871	862,434	452,937	157,263	42,170	353,742	251,562		56,882
1872	1,171,646	552,756	100,730	56,990	172,880	137,855		3,448,171
1873	288,263	154,243	197,671	55,816	324,653	320,214		9,320,400
1874	573,775	280,750	304,865	78,340	114,530	115,098		3,560,743
1875	895,907	413,411	238,641	61,725	251,572	291,165		60,467
1876	1,067,515	436,072	141,157	35,915	154,500	215,327		5,800,445
1877	1,026,038	442,165	153,552	41,027	71,708	160,660		5,734,675
1878	904,988	411,808	228,276	58,302	154,010	204,980		6,436,248
1879	2,236,205	756,248	147,503	35,480	78,322	199,753		44,782
1880	1,022,889	349,109	197,847	45,018	131,332	255,847		81,879
1881	597,812	220,720	214,205	40,945	227,117	320,400		61,977
1882	1,083,025	420,730	265,953	48,721	220,787	325,333		64,105
1883	226,983	115,400	396,800	66,651	326,835	599,550		26,016
1884	488,015	190,704	259,947	48,553	93,508	319,508		37,804
1885	977,768	321,227	277,271	63,083	188,482	470,039		87,378
1886	1,184,871	361,171	334,918	125,840	105,436	385,508		33,740
1887	1,348,804	352,114	336,222	139,656	173,452	523,267		54,158
1888	1,360,409	315,277	226,570	84,018	318,056	709,042		47,717
1889	483,208	127,412	425,479	111,380	201,555	702,500		23,214
1890	1,844,041	440,773	449,384	110,757	100,484	705,460		29,028
1891	1,404,709	354,337	207,674	71,202	150,322	717,230		24,321
1892	820,173	234,937	273,981	90,842	82,797	427,462		22,552
1893	90,696	31,683	340,192	105,012	148,130	543,045		49,624
1894	209,167	68,710	342,786	99,467	162,709	441,969		83,818
Total.	111,014,515	42,293,568	30,072,116	10,940,519	55,215,494	31,803,573	1,212,906	274,096,530

From the preceding compilation it appears that during the ten years following 1875 the value of the fishery products annually exported varied little from \$6,000,000. From 1887 to 1890 the value steadily increased, reaching \$7,458,385 during the last year, the highest record. A steady decline has occurred since 1890, the exports during 1894 being \$3,200,079 less than in 1890 and smaller than during any previous year for twenty years.

While some falling off is apparent in the exports of dried or smoked fish, oysters, and the products of the whale fishery, yet the principal cause of the decrease since 1890 is the remarkable reduction in value of "canned and other prepared fish." The value of these decreased from \$4,039,220 in 1890 to \$1,682,830 in 1894, a difference of \$2,356,390. This class is made up principally of canned salmon, the exports of which were worth \$3,259,344 in 1890 and only \$1,026,197 in 1894.

A series of tables is next presented, showing, so far as practicable, the quantities and values of the various kinds of fishery products included in each classification noted in the preceding table.

It is impracticable to show the quantity of fresh fish exported prior to 1884, but the quantity and value of those exported annually from 1884 to 1894, inclusive, are shown in Table 21. This consists of fresh or frozen fish shipped to countries adjacent to the United States, and principally to Quebec, Cuba, and Mexico.

21. *Statement of the domestic exports of fresh fish during each year from 1884 to 1894, inclusive.*

Year ending June 30—	Pounds.	Values.	Average values per pound.
			<i>Cents.</i>
1884	1,641,061	\$62,009	3.8
1885	1,035,242	33,350	3.2
1886	913,114	29,734	3.2
1887	403,381	14,751	3.2
1888	919,497	28,905	3.1
1889	1,062,557	27,151	2.6
1890	1,043,162	48,086	4.6
1891	868,790	40,084	4.6
1892	1,414,019	60,498	4.7
1893	2,718,341	100,656	3.7
1894	1,115,742	48,820	4.4
Total	13,194,912	500,104	.....

During the 104 years ending in 1894 the exports of dried or smoked fish amounted to 25,295,613 quintals, valued at about \$89,000,000. The exports prior to 1840 consisted almost entirely of dry-salted cod and similar fish, as haddock, hake, etc.; but the increasing trade in smoked herring resulted in the exportation of large quantities of that product, especially about 1860. In addition to those species, halibut, mullet, sturgeon, etc., either smoked or dry salted, are now exported in considerable quantities.

The following compilation shows separately the quantities and values of cod, herring, and other dried or smoked fish exported during a series of years ending in 1894:

22. Statement of the domestic exports of dried or smoked fish during each year from 1884 to 1894, inclusive.

Year ending June—	Cod, haddock, hako, etc.		Herring.		Other species.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
1884.....	14, 020, 123	\$734, 046	(a)	(a)	7, 174, 332	\$415, 000	22, 103, 455	\$1, 149, 952
1885.....	18, 178, 987	724, 858	(a)	(a)	6, 517, 596	354, 257	24, 096, 583	1, 079, 115
1886.....	15, 064, 195	602, 934	(a)	(a)	5, 644, 202	287, 377	21, 308, 307	890, 311
1887.....	10, 943, 748	587, 082	(a)	(a)	4, 978, 226	265, 130	21, 922, 574	852, 212
1888.....	17, 820, 883	819, 559	2, 048, 020	\$79, 539	1, 809, 568	89, 303	22, 579, 071	988, 401
1889.....	15, 025, 928	754, 619	2, 404, 433	80, 281	2, 007, 615	106, 832	20, 037, 976	941, 732
1890.....	17, 030, 019	793, 186	3, 664, 704	103, 091	1, 515, 790	83, 908	22, 210, 513	980, 245
1891.....	17, 313, 170	890, 277	3, 777, 535	105, 200	1, 431, 444	80, 844	22, 522, 149	1, 076, 381
1892.....	14, 435, 878	705, 199	3, 279, 203	82, 772	1, 663, 572	85, 353	19, 378, 713	933, 324
1893.....	14, 853, 027	728, 475	4, 085, 378	93, 412	1, 941, 561	88, 256	20, 880, 596	910, 145
1894.....	14, 733, 648	704, 652	5, 118, 025	123, 882	1, 470, 407	50, 966	21, 331, 080	879, 500
Total.....	177, 529, 206	8, 105, 787	25, 277, 958	668, 237	36, 163, 943	1, 907, 294	238, 971, 107	10, 681, 318

a Included with "Other species."

The brine-salted or pickled fish consist of herring, mackerel, salmon, cod, alewives, etc. Table 23 shows the quantities and values of the domestic herring exported during a series of years ending in 1894. The value of pickled salmon exported is shown in Table 24.

23. Statement of the domestic exports of brine-salted or pickled fish (exclusive of salmon) during each year from 1884 to 1894, inclusive.

Year ending June 30--	Herring.		Mackerel.		Others, except salmon.		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
1884.....	(a)	(a)	13, 102	\$107, 950	31, 832	\$188, 046	45, 034	\$296, 896
1885.....	(a)	(a)	24, 512	139, 663	35, 492	170, 507	60, 004	310, 170
1886.....	(a)	(a)	28, 505	143, 847	39, 866	144, 341	59, 371	288, 188
1887.....	(a)	(a)	15, 760	100, 967	29, 310	109, 052	36, 070	216, 619
1888.....	3, 668	\$22, 146	7, 036	71, 149	9, 277	63, 159	19, 981	150, 454
1889.....	3, 221	17, 750	1, 303	18, 876	16, 077	99, 977	20, 601	136, 009
1890.....	2, 267	9, 614	948	15, 512	23, 683	110, 910	26, 898	136, 036
1891.....	3, 012	12, 352	2, 235	37, 128	30, 085	147, 319	35, 392	196, 709
1892.....	2, 700	11, 481	3, 490	47, 108	30, 315	158, 162	36, 595	216, 751
1893.....	1, 802	8, 000	2, 455	33, 480	23, 788	139, 272	28, 105	181, 412
1894.....	3, 501	13, 457	3, 224	43, 082	29, 868	135, 869	36, 593	192, 398
Total.....	20, 231	95, 406	102, 630	764, 702	281, 693	1, 468, 104	404, 554	2, 328, 332

a Included with "Others, except salmon."

The class "Canned and other prepared fish" is made up principally of canned salmon, but it also includes all other canned fish, brine-salted salmon, shellfish other than oysters, and all other fish. Table 24 shows, so far as practicable, the value of these exports during the twenty-six years ending in 1894.

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24. Statement of the domestic "Canned and other prepared fish" exported during each year from 1869 to 1894, inclusive.

Year ending June 30—	Salted salmon.	Canned salmon.	All other canned fish.	Shellfish other than oysters.	All other fish.	Total.
1869.....			\$24,454		\$247,943	\$272,397
1870.....			4,941		382,798	387,739
1871.....			27,208		443,737	470,945
1872.....					635,533	635,533
1873.....					677,171	677,171
1874.....					1,128,208	1,128,208
1875.....					1,855,550	1,855,550
1876.....					2,102,522	2,102,522
1877.....				\$1,746	2,490,659	2,492,405
1878.....				6,069	3,198,896	3,204,965
1879.....				11,846	2,039,987	2,951,833
1880.....				9,801	2,327,092	2,336,893
1881.....				4,327	2,803,636	2,807,963
1882.....				2,701	3,219,006	3,221,707
1883.....				21,308	3,202,562	3,223,870
1884.....	\$110,531	\$2,323,026		228,030		2,661,587
1885.....	82,114	2,260,567		411,984		2,754,665
1886.....	43,450	1,875,109		350,090		2,268,649
1887.....	78,208	1,719,685		350,270		2,148,163
1888.....	61,046	1,608,815	62,510	284,144	128,943	2,145,458
1889.....	54,173	3,364,560	100,023	359,256	151,560	4,020,572
1890.....	69,042	3,259,344	143,599	372,238	194,997	4,039,220
1891.....	83,993	2,008,957	139,392	337,893	208,014	2,868,249
1892.....	78,680	1,738,465	146,067	382,029	216,678	2,561,919
1893.....	49,230	2,279,625	166,902	275,793	161,927	2,933,477
1894.....	68,659	1,020,216	143,402	249,721	204,833	1,682,830

The miscellaneous fishery products exported consist principally of marine shells and sponges, but include also fish-skins and a variety of other articles. In customs returns many minor products are included with the unenumerated articles. The following table shows, so far as practicable, the exports of miscellaneous fishery products since 1868:

25. Statement of the domestic exports of miscellaneous fishery products during each year from 1869 to 1894, inclusive.

Year ending June 30—	Caviar.	Clams for bait.	Fish sounds and glue.	Shells.	Sponges.	Walrus teeth.	a Whale and fish foats.	Miscellaneous.	Total.
1869.....				\$11,008			\$35,032		\$46,040
1870.....			\$4,605	2,100	\$5,500		32,994	b\$7,280	52,479
1871.....			163		1,546		39,546	b15,027	56,882
1872.....							37,925	b3,610	41,535
1873.....							21,480		21,480
1874.....							17,013		17,013
1875.....			2,587			\$23,651	40,227		66,467
1876.....						8,076	29,625		37,701
1877.....				4,825	390	7,651	52,194		65,063
1878.....				9,172	8,000		18,148		35,320
1879.....				13,831	16,313	200	14,438		44,782
1880.....				69,107	4,141		2,856		81,879
1881.....		\$5,775		39,792	6,736	400	7,800		61,977
1882.....		7,249		46,341	4,111		10,850		64,105
1883.....		2,803		15,148	7,518		3,350		26,016
1884.....			3,021	25,311	0,472				37,804
1885.....				63,698	23,480				87,378
1886.....				8,133	25,007				33,740
1887.....				16,572	37,580				54,158
1888.....				11,136	36,581				47,717
1889.....				2,243	20,971				23,214
1890.....				4,635	25,293				29,928
1891.....				1,500	20,821				22,321
1892.....				12,609	10,320			c1,623	24,552
1893.....	\$6,187			33,033	8,858			c1,546	49,624
1894.....				74,328	8,407			c993	83,818

a A residuum of whale and fish oil.

b Sperm pressings.

c Fish skins.

The character of exports to each country.—The domestic fishery products exported from the United States are sent principally to England, Haiti, Germany, Canada, Australia, France, and Hongkong. In 1894 the value of the exports amounted to \$4,258,306, of which \$1,304,493 was sent to England, \$652,723 to Haiti, \$438,333 to Germany, \$269,726 to Canada, \$235,086 to Australia, \$198,968 to France, and \$175,743 to Hongkong.

The exports to England are principally canned salmon, fresh oysters, whale oil, and spermaceti. To Haiti are sent salted cod, smoked herring, pickled mackerel, and other pickled fish; to Germany, whalebone, spermaceti, and prepared fish of various kinds; Canada receives fresh oysters, smoked haddock, and various kinds of fresh fish; Australia, canned and pickled salmon, canned oysters, and spermaceti. The exports to France consist almost entirely of whalebone, spermaceti, and fish and whale oil; and those to Hongkong, of dried shrimp, with a small quantity of canned salmon and various kinds of dried fish.

Table 26 shows the quantities and values of domestic fishery products exported to various foreign countries during the fiscal year ending June 30, 1894. The quantity sent to Europe was valued at \$2,088,958; to Canada and Newfoundland, \$270,069; to other ports of the North American continent, \$1,086,114; to South America, \$241,234; to Asia and Oceanica, \$537,455; to African and other ports, \$34,476; making a grand total of \$4,258,306.

The most valuable products were canned salmon, worth \$1,026,215; salted cod, etc., \$704,652; oysters, \$688,653; whalebone, \$441,969; shrimp and other shellfish, \$249,721; and whale and fish oils, \$140,851.

The dried or smoked and the brine-salted fish are marketed principally in the West Indies, those islands receiving, in 1894, 83 per cent of the exports of the former and 74 per cent of the latter. South America received 8 per cent of the dried fish and 3 per cent of the brine-salted. The canned fish are sent principally to England and Australia, those countries receiving 60 and 16 per cent, respectively, of the exports of this class. Of oysters, England received 64 and Canada 25 per cent of the total exports. Scotland ranks first in the marine oil trade, with England a close second, the exports to each amounting to 36 and 32 per cent, respectively, of the total. The whalebone is marketed almost exclusively in Germany, France, and the Netherlands, 97 per cent of the total exports going to those countries. England and France control the trade in marine shells, and the former receives the greater portion of the sponges exported from this country.

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26. Statement by articles and countries of the domestic exports of fishery products from the United States during the year ending June 30, 1894.

Countries to which exported.	Fresh fish other than salmon.		Dried, smoked, or cured.					
			Cod, haddock, hake, and pollock.		Herring.		Other.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Azores, and Madeira Islands			4,100	\$204				
Belgium			48	10				
Total Europe			4,148	214				
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	27,500	\$599	270	21	280	\$20		
Quebec, Ontario, etc.	824,663	41,331	235,066	13,371	2,086	132	84,497	\$4,226
British Columbia	7,295	422	27,735	1,504	560	29	502	36
Mexico	12,749	877	20,075	1,209	2,176	63	686	67
Central America—								
Costa Rica			211,985	11,600	8,083	202		
Guatemala			54,510	3,405				
Honduras			15,385	810	305	13		
Nicaragua			47,937	2,816	924	32		
Salvador			7,200	459				
British Honduras			81,171	4,480	4,391	118		
Bermuda			7,995	419	420	12		
West Indies—								
British	2,932	246	735,635	30,006	197,590	4,423	372	14
Danish			7,800	417	1,050	24		
Dutch			71,093	3,767	45,380	1,157		
French			1,638	96	212,540	4,989		
Haiti			8,922,079	432,573	3,133,453	74,877		
Santo Domingo			1,038,927	47,281	789,385	18,475		
Spanish—								
Cuba	234,188	5,016	1,256,262	61,102	374,332	10,347	967,857	21,387
Puerto Rico			20,030	1,009	135,554	3,784		
Total North America	1,100,327	48,491	12,762,793	622,465	4,908,509	118,697	1,053,014	25,730
South America:								
Argentina			1,400	70				
Brazil			57,920	3,155	750	21		
Chile			3,300	165				
Colombia			219,135	12,793	31,016	863		
Ecuador			11,100	580				
Guiana—								
British	6,415	820	129,359	5,993	27,000	548	43	8
Dutch			737,278	22,181	28,300	610		
French			228,562	6,097	16,310	341		
Peru			500	35	100	3		
Venezuela			270,453	14,251	91,562	2,398		
Total South America	6,415	329	1,050,007	65,910	195,038	4,793	43	8
Asia and Oceanica:								
China			14,510	650	80	5		
Hongkong			20,600	1,181			152,600	9,182
Japan			750	48				
British Australasia			63,480	3,442				
French Oceanica			7,200	441				
Hawaiian Islands			179,275	9,040			272,850	16,046
Total Asia and Oceanica			285,875	15,102	80	5	425,450	25,228
Africa:								
British Africa			11,140	407	2,914	80		
Canary Islands					3,654	95		
Liberia			10,625	554	7,830	212		
Total Africa			21,765	961	14,398	387		
Grand total	1,115,742	48,820	14,733,048	704,652	5,118,025	123,882	1,479,407	50,906

26. Statement by articles and countries of the domestic exports of fishery products from the United States during the year ending June 30, 1894—Continued.

Countries to which exported.	Pickled or brine-salted.						
	Mackerel.		Herring.		Salmon.*	Other.	
	Barrels.	Values.	Barrels.	Values.	Values.	Barrels.	Values.
Europe:							
Belgium.....					\$12		
Germany.....					369	12	\$00
Netherlands.....					352		
England.....			100	\$350	763	18	110
Total Europe.....			100	350	1,496	30	170
North America:							
Canada—							
Nova Scotia, New Brunswick, etc.....	32	\$250				345	1,222
Quebec, Ontario, etc.....	15	192	25	105	226	43	265
British Columbia.....	13	200	2	14	2,651	2	27
Mexico.....	8	127		2	1,224		
Central America—							
Costa Rica.....	25	317	13	66	167	40	250
Guatemala.....	7	98					
Honduras.....	1	17			18		
Nicaragua.....	43	514			19	2	14
British Honduras.....	53	406	20	91	30	8	43
Bermuda.....	11	175	2	13	40	2	9
West Indies—							
British.....	270	3,688	1,871	6,553	2,510	3,153	13,682
Danish.....	5	60	5	20	6	24	110
Dutch.....	58	815	299	1,871	330	4	19
French.....	11	132	2	10	431		
Haiti.....	1,758	24,717	362	1,522	742	25,367	115,361
Santo Domingo.....	635	7,517	427	1,708	254	12	77
Spanish—							
Cuba.....	100	1,250	6	32	371	96	487
Puerto Rico.....	34	478			304		
Total North America.....	3,065	41,079	3,034	11,507	9,369	29,107	131,566
South America:							
Brazil.....	8	112			56		
Chile.....					17		
Colombia.....	76	1,064	262	1,149	126	5	28
Ecuador.....	5	66					
Guianas—							
British.....	31	288	14	58	48	45	285
Dutch.....					232	536	3,021
French.....	10	115				22	166
Venezuela.....	15	219	13	65	348	2	10
Total South America.....	145	1,864	289	1,272	827	610	3,510
Asia and Oceania:							
Hongkong.....					5		
British Australasia.....					13,335		
French Oceania.....					1,976		
Hawaiian Islands.....					30,709		
Total Asia and Oceania.....					46,025		
Africa:							
British Africa.....			53	230			
Liberia.....	14	139	25	98		121	613
Total Africa.....	14	139	78	328		121	613
All other islands and ports.....					942		
Grand total.....	3,224	43,082	3,501	13,457	58,659	29,868	135,859

* Includes a small quantity of fresh salmon.

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26. Statement by articles and countries of the domestic exports of fishery products from the United States during the year ending June 30, 1894—Continued.

Countries to which exported.	Canned.			All other fish.	Shellfish.		Fish oil.	
	Salmon.		Other.		Oysters.	Other.	Gallons.	Values.
	Pounds.	Values.	Values.	Values.	Values.	Values.		
Europe:								
Azores, and Madeira Islands	144	\$18				\$2,457		
Belgium	540	61			\$490	290		
Denmark				\$365	565			
France	280	28		3,421	408	1,782	17,392	\$5,631
Germany	8,445	1,218	\$1,591	158,433	6,452	862		
Italy	3,204	384	720			1,195	5,000	1,850
Netherlands			117	1,041	68	20		
Portugal						10		
Spain			9	65			500	100
Sweden and Norway				35	119			
United Kingdom—								
England	7,720,747	712,017	2,815	6,182	440,130	10,916	18,559	6,094
Scotland	1,440	179	210	50	5,858	225	54,105	10,240
Total Europe	7,734,860	713,905	5,462	169,582	454,078	17,697	95,556	29,915
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.				89	6,767	7,912		
Quebec, Ontario, etc.			1,331	2,221	159,920	7,632	541	151
British Columbia	24,150	1,506	741	877	6,794	1,601		
Newfoundland and Labrador	288	28	43	63	205	4		
Miquelon, Langley, etc.	1,600	175						
Mexico	59,625	5,980	7,211	9,820	13,344	3,067	978	482
Central America—								
Costa Rica	37,271	3,701	1,922	108	944	792	62	20
Guatemala	10,015	1,047	2,865	2	369	556		
Honduras	2,743	279	409	30	325	333		
Nicaragua	13,255	1,329	2,597	18	957	747	18	38
Salvador	2,730	284	1,323		160			
British Honduras	9,791	1,019	126		119	144		
Bermuda	20,759	2,604	2,068	114	647	427		
West Indies—								
British	185,459	19,199	9,273	2,663	2,041	544	2,841	1,126
Danish	4,404	469	132	50	276	328		
Dutch	5,265	612	1,914	162	228	12	8	3
French	1,110	117	123	40	7			
Haiti	660	78	980	909	303	140	130	71
Santo Domingo	2,048	212	3,910	2,862	258	45		
Spanish—								
Cuba	12,596	1,418	2,795	1,120	9,248	1,399	4,352	1,505
Puerto Rico	1,248	137	151	11	412	17	40	15
Total North America	395,017	40,100	39,914	21,259	203,324	25,700	8,960	3,471
South America:								
Argentina	30,010	3,283	5,501	80	4,799	2,017		
Brazil	89,759	9,501	30,631		3,845	14,347		
Chile	43,984	4,575	2,493		8,007	7,712		
Colombia	25,352	2,958	3,909	536	649	1,564	3	7
Ecuador	19,499	2,084	1,105		1,194	1,549		
Guianas—								
British	111,070	11,184	7,182	4,416	385	140		
Dutch	10,176	1,033	1,008	1,067	61	277		
French			524	282		335		
Peru	11,528	1,435	1,356	235	847	709	1,000	381
Uruguay	12,520	1,486	898		657	798		
Venezuela	31,577	3,291	13,167	201	1,321	699		
Total South America	385,475	40,830	67,774	6,770	14,158	30,147	1,003	388
Asia and Oceania:								
China	4,305	448	205		1,073	383		
East Indies, British	49,200	5,050	524			220		
Hongkong	85,520	8,681	249	900		152,410		
Japan	8,870	915	267					
British Australasia	1,707,810	179,489	4,854	5,764	10,163	2,273		
French Oceania	80,650	8,323	636			55		
Hawaiian Islands	199,469	20,364	3,368		5,206	20,112		
Total Asia and Oceania	2,135,824	223,276	10,103	6,664	16,442	175,453		
Africa:								
British Africa	19,142	2,126	19,732	144	608	520		
Canary Islands	432	46			17	156		
Liberia	760	78		401				
Total Africa	20,334	2,250	19,732	545	625	682		
All other islands and ports	55,500	5,764	417	13	26	42		
Grand total	10,727,010	1,026,215	143,402	204,833	688,653	249,721	105,519	33,774

26. Statement by articles and countries of the domestic exports of fishery products from the United States during the year ending June 30, 1894—Continued.

Countries to which exported.	Whale oil.		Spermaceti.		Whalebone.		Marine shells.	Sponges.	Total.
	Gallons.	Values.	Pounds.	Values.	Pounds.	Values.	Values.	Values.	Values.
Europe:									
Azores, and Madeira Isl- ands.....									\$2,070
Belgium.....			3,381	\$1,020	1,157	\$3,600			5,483
Denmark.....			309	87					1,017
France.....	31,030	\$13,225	7,255	2,196	55,423	156,359	\$14,980	\$940	198,968
Germany.....	2,274	1,783	157,331	46,311	72,161	215,750	5,564		438,333
Italy.....			2,831	825				70	5,044
Netherlands.....			1,558	400	20,834	56,558		209	58,845
Portugal.....									10
Russia.....			4,708	1,280					1,280
Spain.....			6,694	1,923			25		2,111
Sweden and Norway.....								398	552
United Kingdom—									
England.....	59,900	38,278	79,125	22,646	8,002	9,001	50,528	4,573	1,504,403
Scotland.....	49,728	34,827	42,309	12,054			600		70,143
Total Europe.....	142,936	88,113	305,501	88,741	152,567	441,358	71,507	6,280	2,088,958
North America:									
Canada—									
Nova Scotia, New Brunswick, etc.....	303	260					α993	74	18,222
Quebec, Ontario, etc.....	2,193	1,144	1,092	255	108	492	137	906	234,097
British Columbia.....	2,641	800						5	17,407
Newfoundland and Labrador.....									343
Miquelon, Langloy, etc.....									175
Mexico.....	14,265	5,440	1,477	87	8	25	4	235	49,330
Central America—									
Costa Rica.....	50	24							20,203
Guatemala.....	200	100							8,442
Honduras.....									2,234
Nicaragua.....									9,081
Salvador.....									2,225
British Honduras.....									6,636
Bermuda.....	5	5							6,433
West Indies—									
British.....	40	29					1,580	7	103,684
Danish.....									1,892
Dutch.....	92	44							10,440
French.....									5,945
Haiti.....	250	200						250	652,723
Santo Domingo.....									82,599
Spanish—									
Cuba.....	160	121			20	94			117,752
Puerto Rico.....	10	8						27	6,353
Total North Amer- ica.....	19,600	8,100	2,509	342	142	611	1,721 α993	1,564	1,356,183
South America:									
Argentina.....									15,700
Brazil.....	20	15						200	61,383
Chile.....	16	9						280	16,057
Colombia.....	2,592	1,950						45	27,631
Ecuador.....									6,578
Guianas—									
British.....									30,867
Dutch.....									29,499
French.....									8,400
Peru.....									5,101
Uruguay.....								48	3,887
Venezuela.....	10	7	62	20				74	36,071
Total South Amer- ica.....	2,638	1,081	62	20				653	241,234

α Fish skins.

26. Statement by articles and countries of the domestic exports of fishery products from the United States during the year ending June 30, 1894—Continued.

Countries to which exported.	Whale oil.		Spermaceti.		Whalebone.		Marine shells.	Sponges.	Total.
	Gallons.	Values.	Pounds.	Values.	Pounds.	Values.	Values.	Values.	Values.
Asia and Oceania:									
China									\$3,064
East Indies, British									6,800
Hongkong	8,117	\$3,135							175,743
Japan									1,230
British Australasia	15,019	5,402	34,654	\$10,364					235,086
French Oceania									11,431
Hawaiian Islands	533	256							105,101
Total Asia and Oceania	23,669	8,793	34,654	10,364					537,455
Africa:									
British Africa							\$367		24,220
Canary Islands									314
Liberia									2,095
Total Africa							367		26,629
All other islands and ports							643		7,847
Grand total	188,862	107,077	342,780	90,467	152,709	\$441,969	74,328 α 993	\$8,497	4,258,306

α Fish skins.

Reciprocity treaties with other American countries.—The provisions of section 3 of the tariff act of 1890 resulted in reciprocal treaties or agreements relating to nine countries in the Western Hemisphere, by which the duties on fish (and about 2,000 other articles) of United States production were affected, in some cases being entirely abrogated and in others reduced 25 or 50 per cent. These agreements related to the following countries:

Countries.	Date of taking effect.
Brazil	April 1, 1891
Cuba	Sept. 1, 1891
Puerto Rico	Do.
Santo Domingo	Do.
Salvador	Feb. 1, 1892
British West Indies	Do.
Nicaragua	Mar. 12, 1892
Honduras	May 25, 1892
Guatemala	May 30, 1892

It does not appear, however, that these discriminations in favor of the United States had any appreciable effect toward increasing the fishery exports to those countries. The repeal in 1894 of the act of 1890 resulted in a termination of these reciprocal relations.

For an account of the Canadian reciprocity trade see p. 458.

IV.—COD, HADDOCK, HAKE, AND POLLOCK.

General statements of trade.—Dried cod was the first domestic fishery product exported from the United States. In 1774 the value of the exported cod was \$1,000,000, constituting one-sixth of the whole commerce of the United States. In 1804 the domestic exports of the United States were valued at \$41,467,477, of which the exports of cod amounted to 567,825 quintals, with a valuation of \$2,400,000, this being the largest quantity ever exported from this country during any one year.

While large quantities of cured cod and similar fish are now imported for consumption in this country, yet the imports are exceeded by the exports. During the ten years ending June 30, 1894, imports of dried cod for consumption amounted to 106,377,963 pounds, valued at \$3,352,739, while the domestic exports were 162,600,083 pounds, worth \$7,370,841, an excess of 56,222,120 pounds and \$4,018,102, an average of 5,622,212 pounds and \$401,810 per year. This average excess is somewhat reduced, owing to the large imports of 1885, the last year in which the Washington treaty was operative. Considering only the last nine years, the average annual excess of the exports over the imports for consumption has been 7,818,868 pounds and \$470,706. The annual product of dry-salted cod in the United States is about 65,000,000 pounds, valued at \$2,600,000.

The following table shows for the ten years ending June 30, 1894, the quantity and value of the dry-salted cod imported for consumption, the quantity and value of the domestic exports, the balance of trade each year, and the average value per 100 pounds of imported and of exported fish. The extent of the imports of dried cod from 1821 to the present time is shown in the general tables of imports on pages 441–446. The domestic exports of cod are contained in Tables 19 and 20 on pages 462–464.

27. Statement of the codfish trade during a series of ten years ending June 30, 1894.

Year ending June 30—	Imports for consumption.		Domestic exports.		Balance of trade.		Average value per 100 pounds.	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Dollars.	Imports.	Exports.
1885.....	32,320,680	\$943,110	18,178,087	\$724,858	+14,147,699	+\$218,258	\$2.92	\$3.99
1886.....	10,908,072	280,505	15,004,105	602,934	—4,668,123	—310,429	2.61	3.85
1887.....	8,997,750	204,200	10,943,748	587,082	—7,945,998	—322,882	2.94	3.40
1888.....	10,446,802	316,259	17,820,883	819,550	—7,373,991	—503,300	3.03	4.70
1889.....	9,752,941	317,087	15,025,928	764,019	—5,872,987	—430,032	3.20	4.83
1890.....	8,303,585	247,327	17,030,019	793,180	—8,720,434	—545,850	2.98	4.66
1891.....	6,845,570	254,074	17,313,170	890,277	—10,407,594	—636,203	3.71	5.14
1892.....	5,804,548	229,256	14,435,878	705,199	—8,031,330	—535,944	4.95	5.30
1893.....	7,433,163	291,531	14,853,027	728,475	—7,420,464	—436,944	3.92	4.90
1894.....	5,468,750	202,725	14,733,648	704,652	—9,264,898	—501,927	3.71	4.78
Total..	100,377,963	3,352,739	162,600,083	7,370,841	—56,222,120	—4,018,102	.....	.....

NOTE.—In balance of trade, + indicates excess of imports over exports, and — indicates excess of exports over imports.

During each year small quantities of brine-salted cod are imported into the United States. This trade has never been of great importance. The following compilation shows the imports for consumption during the ten years ending June 30, 1894:

28. *Statement of the quantity and value of brine-salted codfish imported for consumption during each year from 1885 to 1894, inclusive.*

Year ending June 30—	Barrels.	Values.	Average values per barrel.
1885	613	\$2,030	\$3.31
1886	193	839	4.36
1887	14	152	11.26
1888	131	626	4.80
1889	524	4,248	8.12
1890	342	3,363	9.86
1891	51	237	4.69
1892	76	724	9.53
1893	20	158	7.73
1894	20	112	5.52
Total	1,984	12,489	.....

Table 29 shows for the ten years ending June 30, 1894, the quantities and values of dried cod and similar fish imported from and domestic dried fish exported to each foreign country, the balance of trade with each country, and the average value per 100 pounds of the imported and of the exported fish.

It appears that during this period the imports from Europe amounted to 4,172,214 pounds, and the exports to 1,950,312 pounds, the trade with that continent amounting to 2 per cent of the total trade in this product. The imports and exports to other North American States and colonies amounted to 149,504,941 and 120,092,877 pounds, respectively, or nearly 86 per cent of the total trade. The trade with South America is exclusively in exports, amounting to 33,961,845 pounds.

The exports of dried fish to Asia, Africa, and other ports amounted to 6,595,049 pounds, and the imports therefrom were 16,881 pounds, consisting principally of Chinese and Japanese dried fish.

Considering the average value, it appears that the imports from Europe were the most valuable, averaging \$5.01 per 100 pounds. The imports from other American countries averaged \$3.30 and those from Asia and Oceania \$3.98, giving an average value for all imports of \$3.35 per 100 pounds. The exports were worth \$4.53 per 100 pounds, those to France, Asia and Oceania, and Central America being the most valuable. The large quantity exported to Haiti is worthy of note, that island receiving considerably over 50 per cent of the total exports of dried or smoked fish from the United States.

29. Statement of the balance of trade in dry-salted cod and similar fish between the United States and each foreign country during the ten years ending June 30, 1894.

Countries.	Imports.		Exports.		Balance of trade.		Average value per 100 pounds.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Im-ports.	Ex-ports.
Europe:								
Azores, and Ma- deira Islands.....			817,968	\$30,060	- 817,968	- \$30,060		\$3.67
Denmark.....			5,325	279	- 5,325	- 279		5.24
France.....	526,795	\$26,370	8,350	542	+ 518,445	+ 25,828	\$5.01	6.49
Germany.....	21,907	1,128	3,658	160	+ 18,249	+ 962	5.10	4.54
Italy.....	15,724	746			+ 15,724	+ 746	4.74	
Netherlands.....	5,368	374	25,750	1,288	- 20,382	- 914	6.07	5.01
Portugal.....			1,053,576	33,140	- 1,055,576	- 33,140		3.14
Spain.....	2,390	226	1,520	78	+ 870	+ 148	9.46	5.13
Sweden and Nor- way.....	3,552,488	179,953			+ 3,552,488	+ 179,953	5.07	
United Kingdom—								
England.....	36,516	1,727	32,165	1,683	+ 4,351	+ 44	4.73	5.23
Scotland.....	11,026	437			+ 11,026	+ 437	3.96	
Total Europe.....	4,172,214	210,961	1,050,312	67,236	+ 2,221,902	+ 143,725	5.01	3.46
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	113,944,077	3,669,498	223,520	5,606	+ 113,720,557	+ 3,663,892	3.22	2.51
Quebec, Ontario, etc.....	605,263	17,286	300,369	17,182	+ 304,894	+ 104	2.85	5.72
British Columbia Newfoundland and Labrador.....	13,230	1,041	212,338	12,275	- 199,108	- 11,234		5.78
Miquelon, Langley, etc.....	22,419,258	835,535			+ 22,419,258	+ 835,535	3.29	
Greenland, Iceland, and Faroe Islands.....	11,503,258	368,561			+ 11,503,258	+ 368,561	3.20	
Mexico.....	9,500	270			+ 9,500	+ 270	2.84	
Central America—			337,773	19,945	- 337,773	- 19,945		5.90
Costa Rica.....			1,946,603	112,378	- 1,946,603	- 112,378		5.77
Guatemala.....			207,623	10,207	- 207,623	- 10,207		6.46
Honduras.....			187,672	13,886	- 187,672	- 10,886		5.80
Nicaragua.....			684,379	39,658	- 684,379	- 39,658		5.79
San Salvador.....			41,980	2,704	- 41,980	- 2,704		6.44
British Honduras.....			1,306,704	59,965	- 1,306,704	- 59,965		4.59
Bermudas.....			56,434	2,493	- 56,434	- 2,493		4.42
West Indies—								
British.....			6,489,880	271,048	- 6,489,880	- 271,048		4.19
Danish.....			709,270	29,121	- 709,270	- 29,121		4.10
Dutch.....			818,972	41,374	- 818,972	- 41,374		5.05
French.....	688,988	24,732	1,168,045	50,748	- 479,057	- 26,016	3.59	4.34
Haiti.....			84,315,736	3,939,690	- 84,315,736	- 3,939,690		4.67
Santo Domingo.....			8,030,647	353,013	- 8,030,647	- 353,013		4.30
Spanish—								
Cuba.....	321,367	23,238	12,527,558	515,839	- 12,206,191	- 492,601	7.23	4.12
Puerto Rico.....			428,374	18,093	- 428,374	- 18,093		4.22
Total North America.....	149,594,941	4,940,161	120,092,877	5,522,134	+ 29,412,064	- 581,973	3.89	4.00
South America:								
Argentina.....			34,900	1,243	- 34,900	- 1,243		3.56
Brazil.....			1,047,212	55,945	- 1,047,212	- 55,945		5.34
Chile.....			15,962	875	- 15,962	- 875		5.48
Colombia.....			10,468,011	618,111	- 10,468,011	- 618,111		5.01
Ecuador.....			21,240	1,152	- 21,240	- 1,152		5.42
Gutana:								
British.....			818,460	31,204	- 818,460	- 31,204		3.81
Dutch.....			11,340,852	335,356	- 11,340,852	- 335,356		2.96
French.....			7,315,471	234,703	- 7,315,471	- 234,703		3.21
Pern.....			14,502	847	- 14,502	- 847		5.84
Venezuela.....			2,895,235	140,837	- 2,895,235	- 140,837		4.86
Total South America.....			33,961,845	1,420,273	- 33,961,845	- 1,420,273		4.18

29. Statement of the balance of trade in dry-salted cod and similar fish between the United States and each foreign country during the ten years ending June 30, 1894—Continued.

Countries.	Imports.		Exports.		Balance of trade.		Average value per 100 pounds.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Im-ports.	Ex-ports.
Asia and Oceania:								
China			111, 198	\$7, 073	— 111, 198	— \$7, 073	.....	\$6. 36
Hongkong	10, 090	\$430	392, 380	22, 343	— 382, 290	— 21, 913	\$4. 26	5. 69
Japan	3, 798	123	51, 480	3, 048	— 47, 682	— 2, 925	3. 24	5. 92
British Australasia			2, 955, 850	180, 059	— 2, 955, 850	— 180, 059	.....	6. 09
British East Indies			39, 500	2, 548	— 39, 500	— 2, 548	.....	6. 45
French Oceania			41, 860	2, 618	— 41, 860	— 2, 618	.....	6. 25
Hawaiian Islands			2, 406, 769	121, 609	— 2, 406, 769	— 121, 609	.....	5. 05
Total Asia and Oceania	13, 888	553	5, 999, 037	339, 298	— 5, 985, 149	— 338, 745	3. 98	5. 65
Africa:								
British Africa			140, 224	5, 029	— 140, 224	— 5, 029	.....	3. 37
French Africa			7, 353	282	— 7, 353	— 282	.....	3. 83
Liberia			365, 169	12, 377	— 365, 169	— 12, 377	.....	3. 39
Spanish Africa			7, 210	291	— 7, 210	— 291	.....	4. 04
Total Africa			528, 956	17, 979	— 528, 956	— 17, 979	.....	3. 40
All other islands and ports	2, 993	116	67, 056	3, 918	— 64, 063	— 3, 802	3. 88	5. 84
Grand total	153, 694, 036	5, 151, 791	102, 600, 083	7, 370, 838	— 8, 906, 047	— 2, 219, 047	3. 35	4. 53

NOTE.—In balance of trade, + indicates excess of imports over exports, and — indicates excess of exports over imports.

Imports of dried cod by countries.—Since the termination of the Washington treaty, the imports of dried cod, haddock, and other ground fish have ranged from 10,500,000 to 15,000,000 pounds annually, but a large part of these imports is entered for the purpose of transshipment in bond to other countries, leaving, as already noted, only from 5,500,000 to 11,000,000 pounds as the quantity of foreign-cured cod, etc., entered for consumption in this country. During the operation of the Washington treaty the imports for consumption averaged about 30,000,000 pounds annually.

Nearly all of these fish are received from Nova Scotia, New Brunswick, and Newfoundland. Some come from Sweden and Norway, and from Miquelon and other French settlements on the south coast of Newfoundland. Shipments are also received nearly every year from other countries, as France, Germany, England, etc., but the imports from those countries are small.

Table 30 shows the quantities and values of dried or cured cod and other ground fish, imported into the United States from the various countries during a series of ten years ending June 30, 1894, the total quantities and values imported for consumption, and the amount of duties paid thereon. The total quantity entered during these ten years was 153,694,036 pounds, valued at \$5,151,791. Of this quantity, however, 47,316,073 pounds were exported, leaving 106,377,963 pounds, worth \$3,352,739, as the quantity of foreign dried or cured fish entered for consumption in this country, the duty on which amounted to \$429,812.

30. Statement by countries of the imports of dry-salted cod and similar fish during each of the ten years ending June 30, 1894.

Countries from which imported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Germany					200	\$44		
Italy			870	\$61			2,100	\$73
Netherlands					110	4		
Spain							700	95
Sweden and Norway			104,732	7,082	248,090	10,040	465,419	19,841
United Kingdom—								
England			9,381	677	10,004	171	173	7
Scotland								
Total Europe			114,083	7,820	259,064	11,168	468,302	20,016
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	29,386,186	\$823,110	11,717,524	263,036	0,476,048	231,593	11,541,168	383,820
Quebec, Ontario, etc.	50,920	2,527	8,610	321	330,660	5,586	63,142	1,748
Newfoundland and Labrador								
Miquelon, Langley, etc.	2,962,472	119,101	1,772,248	70,400	2,194,658	77,584	2,142,280	69,936
West Indies—								
French			473,324	10,576	215,604	8,156		
Spanish—Cuba			28,507	2,445	40,268	3,002	10,391	747
Total North America	32,399,578	944,738	14,208,151	360,950	14,455,106	395,957	14,580,830	487,713
Asia:								
Hongkong			212	10				
All other islands and ports.			734	31	115	5		
Grand total	32,399,578	944,738	14,324,080	368,820	14,714,375	407,130	15,040,231	507,729
Total entered for consumption.	32,326,680	943,116	10,998,072	286,505	8,997,750	264,260	10,446,892	316,259
Amount of duty				54,990		44,989		52,235

Countries from which imported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
France						1,792	\$67	
Germany						600	32	\$1
Italy	400	\$27	439	\$16	0,025	312	2,738	119
Netherlands	1,000	100			2,000	100	1,410	107
Spain	900	95			750	30	40	6
Sweden and Norway	474,592	23,982	108,759	5,552	334,837	10,883	387,033	23,487
United Kingdom—								
England	8,560	419	1,600	97	2,800	134	738	49
Scotland	7,216	259					1,000	36
Total Europe	492,668	24,882	110,798	5,665	348,714	20,358	392,962	23,805
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	9,290,614	327,013	8,638,337	290,115	9,189,943	376,963	7,500,390	316,531
Quebec, Ontario, etc.	24,839	1,196	1,344	84	43,191	2,328	64,418	3,203
British Columbia	7,815	716	3,300	213	200	12	800	43
Newfoundland and Labrador								
Miquelon, Langley, etc.	2,926,763	92,364	2,249,082	76,710	3,021,220	108,416	2,378,891	100,322
Greenland, Iceland and Faroe Islands	1,155,342	28,717	1,741,451	36,471	320,722	15,445		
West Indies—								
Cuba					48,529	3,501	70,607	5,537
Total North America	13,405,373	450,006	12,630,514	403,723	12,633,305	506,755	10,015,106	425,636
Asia:								
Hongkong							2,000	126
Grand total	13,898,041	474,888	12,750,312	409,388	12,982,019	527,113	10,410,068	440,507
Total entered for consumption.	9,752,941	317,687	8,303,585	247,327	6,845,576	254,074	5,804,548	229,255
Amount of duty		48,705		41,518		47,016		43,534

30. Statement by countries of the imports of dry-salted cod and similar fish during each of the ten years ending June 30, 1894—Continued.

Countries from which imported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
France	110,438	\$5,898	414,855	\$20,405	526,705	\$26,370
Germany	450	11	20,654	1,040	21,007	1,128
Italy	1,591	75	1,561	63	15,724	746
Netherlands	848	63			5,368	374
Spain					2,390	226
Sweden and Norway	1,026,002	49,301	402,424	20,016	3,552,488	179,953
United Kingdom—						
England			3,200	173	36,516	1,727
Scotland	1,810	93	1,000	49	11,026	437
Total Europe	1,141,139	55,501	843,494	41,746	4,172,214	210,901
North America:						
Canada—						
Nova Scotia, New Brunswick, etc.	9,048,423	358,053	8,154,544	299,255	113,944,077	3,669,498
Quebec, Ontario, etc.	1,050	50	8,080	293	605,263	17,280
British Columbia	600	30	515	27	13,230	1,041
Newfoundland and Labrador ..	1,555,250	67,848	1,216,394	52,764	22,419,258	835,535
Miquelon, Langley, etc.	1,954,590	67,421	3,105,371	110,930	11,503,258	368,501
Greenland, Iceland, and Faroe Islands					9,500	270
West Indies—						
French					688,988	24,732
Spanish—Cuba	56,547	4,100	66,515	3,906	321,367	23,238
Total North America	12,616,460	497,502	12,551,419	467,181	149,504,941	4,940,161
Asia:						
Hongkong	405	36	7,383	249	10,090	430
Japan	2,025	73	1,773	50	3,798	123
Total Asia	2,520	109	9,156	299	13,888	553
All other islands and ports	20	1	2,124	79	2,993	116
Grand total	13,760,139	553,113	13,408,193	509,305	153,694,036	5,151,791
Total entered for consumption	7,433,103	291,531	5,468,750	202,725	106,377,903	3,352,730
Amount of duty		55,749		41,010		429,812

Exports of cod by countries.—Exports of dried codfish are made principally to Haiti, Cuba, Colombia, Dutch Guiana, Santo Domingo, and other South and Central American States and the West Indian Islands. Of the 162,600,083 pounds exported during the last ten years, Haiti received 84,315,736 pounds, or 52 per cent. All the American States and colonies combined received 153,984,722 pounds, or 95 per cent; Asia and Oceania received 5,999,037 pounds, or 3 per cent; Europe, 1,950,312 pounds, or 1 per cent; the remaining 596,012 pounds going to African and other ports. The exports of cod to European countries appear very small when compared with the large imports into those countries. In 1893 France imported 94,218,948 pounds of codfish, worth \$4,949,037. During the same year Portugal imported 43,126,385 pounds, worth \$1,789,560, and Spain 97,811,488 pounds, worth \$4,795,278. The imports into other European countries doubtless equaled one-half those into France, Portugal, and Spain, making an aggregate of 350,000,000 pounds, valued at \$17,000,000, of which the United States furnished only 48,350 pounds, or about $\frac{1}{76}$ of 1 per cent.

Table 31 shows the quantity and value of domestic dried or cured codfish, etc., exported to each foreign country during each of the ten years ending June 30, 1894:

31. Statement by countries of the domestic exports of dry-salted cod and other ground fish during each of the ten years ending June 30, 1894.

Countries to which exported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Azores.....	78,378	\$2,584	214,057	\$6,718	151,259	\$4,202	21,080	\$855
Denmark.....					1,800	00	2,400	144
England.....	5,120	250	148	10				
France.....					8,000	520	350	22
Germany.....	221	44	87	5	200	15		
Netherlands.....	25,750	1,288						
Portugal.....	1,055,356	33,125	12	1	36	5	00	3
Spain.....			20	3				
Total Europe	1,165,225	37,297	215,224	6,737	161,265	4,832	24,700	1,024
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	210,000	5,244					2,350	116
Quebec, Ontario, etc.....	34,042	1,830	18,006	1,209	6,955	425	5,100	307
British Columbia.....	41,515	1,833	38,501	2,214	84,110	1,805	14,312	904
Mexico.....	27,358	1,447	48,141	2,705	10,140	1,356	24,977	1,702
Central America—								
Costa Rica.....	85,248	4,858	80,728	5,419	119,653	7,100	144,562	8,021
Guatemala.....	14,855	865	15,803	962	15,867	1,025	19,416	1,252
Honduras.....	8,915	520	9,315	520	18,717	1,040	26,523	1,593
Nicaragua.....	21,790	1,264	22,883	1,279	48,647	2,408	49,772	2,740
San Salvador.....	990	60	880	55	1,180	72	1,750	104
British Honduras.....	200,665	7,342	154,561	5,331	151,702	5,138	136,438	5,911
West Indies—								
British.....	1,438,958	51,985	993,618	25,010	433,577	13,010	580,408	27,460
Danish.....	110,605	4,135	84,970	3,187	147,918	5,126	126,348	5,125
Dutch.....	72,692	3,186	69,480	2,932	91,333	3,376	87,350	4,640
French.....	132,452	5,283	274,245	9,106	60,197	1,716	112,416	4,882
Haiti.....	6,506,931	250,416	6,591,186	241,899	7,465,058	240,391	8,986,578	422,839
Santo Domingo.....	704,813	30,440	959,686	33,847	891,669	20,203	680,572	30,438
Spain—								
Cuba.....	1,813,571	73,197	1,859,449	48,938	2,042,434	61,541	1,079,373	40,836
Puerto Rico.....	213,333	8,093	10,070	430	11,350	384	45,534	2,156
Total North America	11,639,663	451,098	10,438,134	385,103	11,560,607	375,782	12,123,839	560,926
South America:								
Argentinian.....	100	7			10,000	800		
Brazil.....	21,480	775	17,785	913	120,450	5,040	405,855	22,540
Chile.....	1,000	39	1,000	48	362	26	50	3
Colombia.....	1,547,228	97,601	1,070,638	101,386	1,953,465	107,596	1,803,520	100,794
Ecuador.....					7,765	425	1,250	85
Guianas—								
British.....	181,903	6,187	62,072	2,119	123,542	3,681	23,000	890
Dutch.....	1,072,895	53,387	1,543,287	42,684	1,289,106	20,220	1,220,278	34,571
French.....	809,620	27,459	878,518	25,413	909,912	21,692	982,912	20,221
Peru.....	8,650	508			2,057	124	1,750	99
Venezuela.....	245,989	10,646	343,411	13,545	290,598	12,241	282,833	14,502
Total South America	4,548,905	100,607	4,616,711	186,108	4,707,257	180,345	4,721,448	202,024
Asia and Oceania:								
China.....	9,430	525	9,343	573	4,840	257	5,385	300
Hongkong.....	63,730	3,130	40,000	2,641	22,050	1,130	28,930	1,639
Japan.....	10,540	600	5,710	312	6,100	319	6,960	384
British Australasia.....	517,740	25,456	145,409	7,540	172,769	10,017	561,360	30,609
British East Indies.....					600	28	9,600	615
Hawaiian Islands.....	153,580	6,710	225,529	11,382	252,650	11,736	242,970	12,283
Total Asia and Oceania	755,020	36,430	434,079	22,454	459,500	24,413	850,211	51,830
Africa:								
British Africa.....	14,514	480	2,350	74	1,125	37	1,925	77
French Africa.....			50	4				
Liberia.....	48,000	1,640	33,777	1,121	43,110	1,107	83,984	2,550
Spanish Africa.....			5,560	233				
Total Africa	60,574	2,120	41,737	1,432	44,235	1,144	85,909	2,627
All other islands and ports.	9,540	496	17,410	1,100	10,864	586	8,680	528
Grand total	18,178,987	724,858	15,064,195	602,934	16,943,748	587,082	17,820,883	810,559

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31. Statement by countries of the domestic exports of dry-salted cod and other ground fish during each of the ten years ending June 30, 1894—Continued.

Countries to which exported.	1880.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Azores.....	142,164	\$6,202	112,900	\$4,300	42,020	\$2,150	3,360	\$165
Denmark.....					1,125	45		
England.....			1,000	30	3,140	149	22,757	1,248
Germany.....	350	22	400	14	2,000	66		
Portugal.....			112	6				
Total Europe.....	142,514	6,314	114,412	4,440	48,285	2,410	26,117	1,403
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	10,000	225						
Quebec, Ontario, etc.....	300	18	100	12				
British Columbia.....	6,650	420	15,150	1,055	13,450	901	10,210	737
Mexico.....	35,097	2,100	44,074	2,512	71,733	4,020	18,731	1,120
Central America—								
Costa Rica.....	161,731	9,177	296,410	17,127	298,500	17,270	270,890	16,422
Guatemala.....	26,007	1,713	29,069	1,866	25,653	1,777	44,170	3,037
Honduras.....	16,925	928	18,082	1,036	20,300	1,248	23,245	1,389
Nicaragua.....	76,194	4,015	99,913	5,883	144,618	8,201	94,484	5,861
San Salvador.....	9,830	247	6,080	404	4,540	334	6,500	423
British Honduras.....	127,226	6,324	115,068	5,781	120,587	7,157	117,525	7,025
Bermudas.....							37,710	1,544
West Indies—								
British.....	847,635	40,485	363,107	15,842	541,374	23,932	420,294	17,368
Danish.....	83,981	3,578	79,430	3,984	45,002	2,297	15,000	830
Dutch.....	125,762	6,194	81,243	4,316	78,035	4,097	72,724	4,393
French.....	235,428	11,065	72,640	3,872	141,019	7,444	47,400	2,600
Haiti.....	6,931,362	337,854	10,609,937	505,010	10,931,449	574,879	8,846,336	498,842
Santo Domingo.....	1,119,327	54,057	713,829	32,154	711,732	34,860	611,370	31,799
Spanish—								
Cuba.....	1,184,759	54,277	644,244	24,007	552,440	23,595	639,206	29,820
Puerto Rico.....	4,020	224	5,000	284	16,115	1,151	43,736	2,313
Total North America.....	10,907,734	533,561	13,194,282	625,145	13,722,547	713,833	11,325,756	625,520
South America:								
Argentina.....			22,400	800			600	40
Brazil.....	150,742	8,359	42,405	2,253	49,018	2,747	81,057	4,652
Chile.....	1,700	100	150	8			6,659	390
Colombia.....	1,318,951	79,246	627,203	37,593	609,418	37,732	391,504	25,077
Ecuador.....							525	28
Guianas—								
British.....	62,006	2,393	56,052	2,880	113,115	4,143	20,294	1,223
Dutch.....	1,077,882	33,200	1,111,415	35,121	811,673	27,757	985,468	31,709
French.....	750,633	20,528	895,974	31,642	735,805	29,338	618,011	23,944
Peru.....			385	18	800	44		
Venezuela.....	284,306	15,485	302,257	14,039	310,840	16,337	271,027	15,470
Total South America.....	3,646,880	165,311	3,058,841	124,200	2,636,675	118,068	2,384,130	102,332
Asia and Oceania:								
China.....	13,130	810	10,470	687	12,270	894	10,150	1,067
Hongkong.....	54,530	3,243	61,000	3,772	62,700	3,449	10,190	1,136
Japan.....	6,510	393	3,190	192	8,700	601	1,210	81
British Australasia.....	395,460	26,572	211,270	14,781	487,420	33,007	319,984	17,343
British East Indies.....	10,900	712	1,690	95	300	24	16,500	1,074
French Oceania.....			10,150	650	8,910	611	8,220	503
Hawaiian Islands.....	291,090	14,948	290,478	10,602	240,410	14,190	269,960	13,257
Total Asia and Oceania.....	771,620	46,078	594,158	36,779	816,710	52,779	651,194	34,461
Africa:								
British Africa.....	13,350	512	56,910	2,071	30,610	966	10,400	170
French Africa.....	2,000	30			3,303	200		
Liberia.....	39,200	1,476	10,010	421	49,012	1,091	36,076	1,205
Spanish Africa.....					1,650	58		
Total Africa.....	54,550	2,018	66,920	2,492	85,175	2,915	47,075	1,375
All other islands and ports.....	12,630	737	1,400	70	3,778	242	1,600	99
Grand total.....	15,625,928	754,619	17,030,019	793,186	17,318,170	890,277	14,435,878	765,199

31. Statement by countries of the domestic exports of dry-salted ood and other ground fish during each of the ten years ending June 30, 1894—Continued.

Countries to which exported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
Azores.....	46,850	\$2,500	4,100	\$204	817,068	\$30,000
Denmark.....					5,325	279
England.....					32,165	1,083
France.....					8,350	542
Germany.....					3,658	109
Netherlands.....					25,750	1,288
Portugal.....					1,055,576	33,140
Spain.....	1,500	75			1,520	78
Total Europe.....	48,350	2,575	4,100	204	1,950,312	67,236
North America:						
Canada—						
Nova Scotia, New Brunswick, etc.....			270	21	223,520	5,606
Quebec, Ontario, etc.....	200	10	235,086	13,371	300,369	17,182
British Columbia.....	10,675	752	27,735	1,564	212,338	12,275
Mexico.....	26,647	1,594	20,075	1,269	337,773	19,945
Central America—						
Costa Rica.....	264,800	15,324	211,985	11,600	1,946,003	112,378
Guatemala.....	51,674	3,305	54,510	3,405	297,623	19,207
Honduras.....	29,175	1,790	15,385	810	187,672	10,886
Nicaragua.....	78,141	4,591	47,937	2,816	684,379	39,658
San Salvador.....	8,970	546	7,200	459	41,980	2,704
British Honduras.....	95,761	5,406	81,171	4,480	1,300,704	59,055
Bermudas.....	10,720	530	7,995	419	56,434	2,493
West Indies—						
British.....	435,214	20,250	735,635	36,006	6,489,880	271,948
Danish.....	8,150	442	7,800	417	709,270	20,121
Dutch.....	69,260	3,973	71,003	3,767	818,972	41,374
French.....	91,210	4,684	1,638	96	1,168,045	50,748
Haiti.....	8,524,820	434,990	8,022,079	432,573	84,315,736	3,939,699
Santo Domingo.....	607,713	28,934	1,038,927	47,281	8,039,647	353,013
Spanish—						
Cuba.....	1,955,820	68,520	1,256,262	61,102	12,527,558	515,839
Puerto Rico.....	58,580	2,130	20,030	1,000	428,374	18,093
Total North America.....	12,327,622	627,882	12,762,793	622,465	120,092,877	5,522,134
South America:						
Argentina.....	400	26	1,400	70	34,900	1,243
Brazil.....	100,500	5,502	67,920	3,155	1,047,212	55,945
Chile.....	1,750	86	3,300	165	15,902	875
Colombia.....	316,849	18,303	219,135	12,783	10,456,011	618,111
Ecuador.....	600	34	11,100	580	21,240	1,152
Guianas—						
British.....	36,857	1,779	129,350	5,993	818,460	31,204
Dutch.....	801,570	25,430	737,278	22,181	11,340,852	335,356
French.....	445,524	13,100	228,562	6,697	7,315,471	234,703
Peru.....	300	21	560	35	14,502	847
Venezuela.....	287,515	14,312	270,453	14,251	2,895,235	140,837
Total South America.....	2,081,865	78,678	1,659,067	65,910	33,961,845	1,420,273
Asia and Oceania:						
China.....	15,670	1,010	14,510	950	111,198	7,073
Hongkong.....	19,050	1,019	20,600	1,181	392,380	22,343
Japan.....	1,810	98	750	48	51,460	3,048
British Australasia.....	81,000	4,380	63,480	3,442	2,955,850	180,050
British East Indies.....					39,500	2,548
French Oceania.....	7,320	413	7,260	441	41,800	2,618
Hawaiian Islands.....	248,830	11,446	179,275	9,040	2,400,769	121,609
Total Asia and Oceania.....	373,680	18,372	285,875	15,102	5,990,037	339,298
Africa:						
British Africa.....	6,900	235	11,140	407	149,224	5,029
French Africa.....	2,000	48			7,353	282
Liberia.....	12,110	612	10,625	554	365,169	12,377
Spanish Africa.....					7,210	291
Total Africa.....	21,010	895	21,765	961	528,956	17,970
All other islands and ports.....	1,100	70	48	10	67,056	3,018
Grand total.....	14,853,627	728,472	14,733,648	704,052	162,600,083	7,370,838

Import duties on cured cod, etc., in various countries.—The following compilation shows, approximately, the average rates of duty exacted on dried cod, etc., imported into various foreign countries. It appears that France, Argentina, San Salvador, Mexico, Spain, Nicaragua, and New Zealand impose the highest duties, while in Great Britain and certain of her colonies, Sweden, Guatemala, Japan, China, Germany, and most of the West Indies the duties are of least moment. The rate in the United States is 75 cents for 100 pounds.

32. *Statement of the approximate rates of duty exacted on dried cod, etc., imported into various foreign countries.*

Countries.	Duty per 100 lbs.	Countries.	Duty per 100 lbs.
Europe:		North America—continued.	
Denmark	\$0.17	West Indies—continued.	
France	4.20	Santo Domingo	\$0.85
Germany .....	.32	South America:	
Great Britain	Free.	Argentina	3.92
Greece	1.36	Brazil	1.00
Italy .....	.44	British Guiana .....	.44
Portugal	1.91	Chile	1.72
Spain	1.58	Colombia	1.10
Sweden	Free.	Ecuador .....	.44
North America:		Peru .....	.22
Canada .....	.50	Venezuela	2.19
Newfoundland	1.34	Africa:	
Mexico	2.87	Liberia	1.00
Central America—		Mauritius .....	.11
British Honduras	Free.	Asia and Oceania:	
Costa Rica	1.54	China .....	.11
Guatemala	Free.	Japan	5 p. ct.
Honduras .....	.93	Now South Wales	ad val.
Nicaragua	2.33	New Zealand	2.06
San Salvador	3.31	Queensland	2.17
West Indies—		South Australia	1.08
Cuba .....	.76	Tasmania	2.06
Dutch West Indies	1½ p. ct.	Victoria	20 p. ct.
Guadaloupe	ad val.	West Australia	ad val.
Haiti .....	.26	French Oceania	12 p. ct.
Haiti	1.35		ad val.
Jamaica .....	.74		.73
Martinique .....	.35		
Puerto Rico .....	.37		

V.—MACKEREL.

General trade since 1884.—Notwithstanding the large catch of mackerel in this country, the demand for this fish has for many years exceeded the domestic supply. During the last ten years the imports for consumption have been 739,536 barrels, valued at \$7,898,911, while the exports have been only 89,528 barrels, worth \$656,812, an average annual balance of 65,000 barrels and \$724,210. During 1894 the product of salt mackerel in the United States was 46,321 barrels, while the excess of imports over exports amounted to 91,612 barrels, giving an aggregate consumption in this country of 137,933 barrels. This represents 41 per cent of the world's product, the latter approximating 338,880 barrels in 1894.

The annual imports of brine-salted mackerel since 1820 are shown in Tables 5, 6, and 10, on pages 441, 443, and 447; the exports for the same period are included in the classification "pickled or brine-salted," as given in Tables 20 and 23, on pages 464 and 467.

In addition to brine-salted mackerel, quantities of fresh and canned mackerel are imported. The value of the former ranges from \$20,000 to \$80,000 annually, and the latter from \$1,000 to \$6,000. For a statement of the quantities and values of each of these products imported for consumption during a series of years, see pages 445 and 448.

The following table shows for the ten years ending June 30, 1894, the quantity and value of brine-salted mackerel imported for consumption, the quantity and value of domestic mackerel exported, the balance of trade, and average value per barrel of imported and exported mackerel:

33. *Statement of the foreign trade in brine-salted mackerel during the ten years ending June 30, 1894.*

Year ending June 30—	Imports for consumption.		Domestic exports.		Excess of imports over exports.		Average values per barrel.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Dollars.	Imports.	Exports.
1885	92, 147	\$702, 030	24, 512	\$139, 063	67, 635	562, 367	\$7. 62	\$5. 70
1886	31, 848	222, 716	28, 595	143, 847	3, 343	78, 869	6. 90	5. 05
1887	64, 925	503, 855	15, 760	106, 067	49, 165	456, 888	8. 60	6. 79
1888	56, 646	548, 973	7, 036	71, 149	49, 610	479, 924	9. 08	10. 11
1889	42, 394	574, 722	1, 303	18, 876	41, 091	555, 846	13. 56	14. 49
1890	71, 038	1, 011, 921	948	15, 512	70, 000	996, 409	14. 24	16. 36
1891	113, 276	1, 356, 113	2, 295	37, 128	110, 981	1, 318, 985	11. 97	16. 18
1892	88, 209	863, 191	3, 480	47, 108	84, 710	816, 083	9. 70	13. 50
1893	81, 217	960, 588	2, 455	33, 480	81, 762	927, 108	11. 41	14. 45
1894	94, 830	1, 095, 792	3, 224	43, 082	91, 612	1, 052, 620	11. 55	13. 37
Total	739, 536	7, 898, 911	89, 528	656, 812	650, 008	7, 242, 699	10. 68	7. 34

Table 34 exhibits the extent of trade in brine-salted mackerel with each foreign country during the ten years ending June 30, 1894, and the average value per barrel of imported and of exported mackerel. The imports from Europe during this period amounted to 201,869 barrels, and from the British North American Provinces, 592,306 barrels. The exports are sent principally to Haiti, British West Indies, and the United States of Colombia. During the ten years in question the average value of the imported mackerel was \$10.38, and of the exported

mackerel \$7.18 per barrel. The most valuable mackerel are received from Norway and Sweden, averaging \$16.39 per barrel during the last ten years; those from Ireland rank next, averaging \$12.04 per barrel. The mackerel received from the British North American Provinces average only \$9.42 per barrel.

31. *Statement by countries of the total imports and exports of brine-salted mackerel and the average value per barrel during the ten years ending June 30, 1894.*

Countries.	Foreign imports.		Domestic exports.		Average values per barrel.	
	Barrels.	Values.	Barrels.	Values.	Imports.	Exports.
Europe:						
France.....	4, 829	\$51, 585	3	\$43	\$10. 68	\$14. 33
Germany.....	2	21	20	168	10. 50	8. 40
Italy.....	47	648	7	70	13. 80	10. 00
Netherlands.....	331	3, 351			10. 12	
Portugal.....	13	125	50	200	9. 61	4. 00
Sweden and Norway.....	55, 206	906, 650			16. 39	
United Kingdom.....	141, 290	1, 701, 515	701	6, 242	12. 04	8. 90
Others.....	61	633	91	466	10. 37	5. 12
Total Europe.....	201, 869	2, 664, 528	872	7, 189	13. 20	8. 24
North America:						
Canada—						
Nova Scotia, New Brunswick, etc.....	586, 761	5, 531, 689	1, 040	3, 759	9. 44	3. 61
Quebec, Ontario, etc.....	4, 810	44, 300	99	819	9. 19	8. 17
British Columbia.....			42	584		13. 00
Newfoundland and Labrador.....	726	6, 184			8. 52	
Mexico.....			82	1, 088		13. 27
Central America—						
Costa Rica.....			356	4, 990		14. 02
Guatemala.....			61	767		12. 57
Honduras.....			99	1, 087		10. 97
Nicaragua.....			581	7, 885		13. 57
British Honduras.....			651	7, 184		11. 00
Bermuda.....			42	600		14. 29
West Indies—						
British.....			11, 070	72, 167		6. 18
Danish.....			452	2, 517		5. 57
Dutch.....			928	9, 333		10. 06
French.....			4, 234	23, 587		5. 57
Haiti.....			42, 006	296, 748		6. 92
Santo Domingo.....			7, 918	58, 944		7. 44
Spanish—						
Cuba.....			1, 410	12, 849		9. 11
Puerto Rico.....			2, 191	15, 883		7. 25
Total North America.....	592, 306	5, 582, 173	74, 762	520, 771	9. 42	6. 97
South America:						
Argentina.....			20	144		7. 20
Brazil.....			86	473		13. 28
Chile.....			12	138		11. 50
Colombia.....			8, 915	94, 122		10. 56
Ecuador.....			6	79		13. 17
Guianas—						
British.....			1, 388	7, 664		5. 52
Dutch.....			348	2, 228		6. 40
French.....			810	5, 660		6. 94
Peru.....			15	133		8. 87
Venezuela.....			501	4, 931		9. 84
Total South America.....			12, 057	115, 577		9. 59
Asia and Oceania:						
British Australasia.....			264	2, 540		9. 64
Africa:						
British.....	71	406	210	1, 741	5. 72	8. 20
French.....			3	17		5. 67
Spanish.....			5	40		8. 00
Liberia.....			1, 340	8, 819		6. 68
Total Africa.....	71	406	1, 558	10, 617	5. 72	6. 81
All other.....			15	112		7. 47
Grand total.....	794, 240	8, 247, 107	*89, 528	656, 812	10. 38	7. 54

Imports of mackerel, by countries.—Prior to 1888 almost the entire supply of brine-salted mackerel imported into the United States was received from Nova Scotia, but the recent decrease of this fish on the American coasts has resulted in large importations from Norway, England, Ireland, and, to a less extent, from other European countries. Of the imports during the last ten years, 586,761 barrels, worth \$5,531,689, came from Nova Scotia and New Brunswick; 141,290 barrels, worth \$1,701,515, came from England, Scotland, and Ireland; and 55,296 barrels, worth \$906,650, from Sweden and Norway.

In 1890, 1891, 1892, and 1893 the receipts from France were comparatively large, aggregating 4,826 barrels, but the quantity received from that country during the remaining six of the last ten years was but 3 barrels.

Table 35 shows, for each of the ten years ending June 30, 1894, the quantity and value of salted mackerel imported from the various foreign countries, the imports for consumption, and the amount of duties paid thereon. Of the 794,246 barrels imported during that period, about 81 per cent came from the British North American Provinces, nearly 18 per cent from the British Isles, 7 per cent from Sweden and Norway, and less than 1 per cent from France. During these years, however, 54,710 barrels of foreign mackerel were exported, leaving 739,536 barrels, valued at \$7,898,911, as the quantity of foreign mackerel imported for consumption. The duties paid on these imports amounted to \$1,294,775.

35. *Statement of the brine-salted mackerel imported into the United States during the ten years ending June 30, 1894.*

Countries from which imported.	1885.		1886.		1887.		1888.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:								
Sweden and Norway.....							131	\$1,300
Turkey.....							58	597
United Kingdom—								
England.....							1,875	14,602
Scotland.....							2	20
Total Europe.....							2,066	16,519
North America:								
Nova Scotia, New Brunswick, etc.....	83,601	\$673,705	59,497	\$304,987	78,580	\$635,028	62,608	597,001
Quebec, Ontario, etc.....	3,079	25,117	343	2,542	339	2,684	236	1,419
Newfoundland and Labrador.....			49	835	253	2,230	77	762
Total North America.....	91,680	698,822	59,889	307,864	79,172	640,542	62,921	599,242
Grand total.....	91,680	698,822	59,889	307,864	79,172	640,542	64,987	615,701
Total entered for consumption.....	92,147	702,030	31,848	222,716	64,825	563,855	56,646	548,073
Amount of duty.....				63,695		129,849		113,292

35. Statement of the brine-salted mackerel imported into the United States during the ten years ending June 30, 1894—Continued.

Countries from which imported.	1 89.		1890.		1891.		1892.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:								
Denmark	1	\$16						
France			627	\$3,651	977	\$9,587	1,977	\$24,041
Germany					2	21		
Italy					2	11	23	420
Netherlands					65	1,049		
Portugal					13	125		
Russia					1	11		
Sweden and Norway	637	5,732	3,045	48,465	11,493	180,210	12,075	177,996
Turkey					1	9		
United Kingdom—								
England	10,429	123,147	22,359	297,270	33,060	431,014	6,744	84,864
Scotland	50	730	1,008	14,290				
Ireland			545	5,393				
Total Europe.....	11,117	129,625	27,584	309,069	46,514	622,037	22,444	303,108
North America:								
Nova Scotia, New Brunswick, etc.	30,780	437,270	42,838	641,369	71,585	788,572	69,334	579,973
Quebec, Ontario, etc.	410	7,375			195	2,860	28	380
Newfoundland and Labrador	87	960	15	232			2	12
Total North America...	31,277	445,614	42,853	641,601	71,780	791,432	69,364	580,365
Africa:								
British Africa					71	406		
Grand total.....	42,394	575,239	70,437	1,010,670	118,365	1,413,875	91,808	883,473
Total entered for consumption.	42,394	574,722	71,038	1,011,921	113,276	1,356,113	88,209	863,151
Amount of duty		84,788		142,075		226,551		176,419

Countries from which imported.	1893.		1894.		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:						
Denmark					1	\$16
France	1,245	\$14,282	3	\$24	4,829	51,585
Germany					2	21
Italy	3	25	19	192	47	648
Netherlands	264	2,283	2	19	331	3,351
Portugal					13	125
Russia					1	11
Sweden and Norway	11,138	212,560	16,777	280,381	55,296	906,650
Turkey					59	606
United Kingdom—						
England	12,520	148,525	27,078	323,954	141,290	1,701,615
Scotland	984	11,091	3,975	38,345		
Ireland	7,135	81,282	11,091	111,201		
Total Europe	33,289	470,054	58,855	754,116	201,860	2,664,528
North America:						
Nova Scotia, New Brunswick, etc.	52,610	494,643	39,528	378,472	586,761	5,531,680
Quebec, Ontario, etc.	98	1,035	91	888	4,819	44,300
Newfoundland and Labrador	239	1,620	4	33	726	6,184
Total North America	52,947	497,298	39,623	379,393	592,306	5,582,173
Africa:						
British Africa					71	400
Grand total.....	86,236	967,352	98,478	1,133,509	794,246	8,247,107
Total entered for consumption....	84,217	960,588	94,836	1,095,702	739,536	7,898,911
Amount of duty		168,434		189,672		1,294,775

Exports of mackerel, by countries.—Comparatively few choice mackerel are exported from this country, and the export trade is practically confined to the West Indies. Of the 89,528 barrels exported during

the last ten years, the West Indies received 71,709 barrels, Colombia 8,915, the Guianas 2,552, and Liberia 1,340, leaving 5,012 barrels as the quantity shipped to all the remaining countries. In 1893 over 99 per cent, and in 1894 about 90 per cent of the exports of domestic mackerel went to the West Indies. From 1880 to 1886, when mackerel were abundant on the United States coasts, quantities were exported to European countries, but this has not been done during recent years.

36. Statement by countries of the domestic exports of brine-salted mackerel during the ten years ending June 30, 1894.

Countries to which exported.	1885.		1886.		1887.		1888.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:								
Azores.....	33	\$141	50	\$215			2	\$27
England.....	532	4,677	79	753	72	\$923	12	115
France.....							1	8
Germany.....	5	35	11	75	2	20		
Italy.....	7	70						
Portugal.....			50	200				
Total Europe.....	577	4,923	190	1,243	74	643	15	150
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	937	2,938					58	400
Quebec, Ontario, etc.....			68	389	5	44		
British Columbia.....	3	24	7	80	1	12		
Mexico.....	9	84	4	26	3	36	5	50
Central America—								
Costa Rica.....	26	257	24	203	24	255	36	527
Guatemala.....	6	35			3	25	1	19
Honduras.....	13	107	17	174	10	112	31	308
Nicaragua.....	70	676	33	272	63	728	51	635
British Honduras.....	151	1,223	130	989	74	659	51	636
West Indies—								
British.....	3,538	18,874	5,142	24,823	1,556	10,435	272	2,646
Danish.....	59	355	159	652	177	997	47	385
Dutch.....	161	1,103	215	1,300	211	1,920	100	1,387
French.....	1,674	6,483	1,657	8,246	412	2,207	188	1,454
Haiti.....	11,468	61,013	12,851	57,410	8,646	51,207	3,910	37,666
Santo Domingo.....	1,512	7,698	2,838	13,942	1,269	9,390	625	5,180
Spanish—								
Cuba.....	273	1,661	359	2,032	157	1,018	64	631
Puerto Rico.....	576	2,570	613	2,994	369	2,008	8	100
Total North America.....	20,426	105,101	24,123	113,538	12,980	81,059	5,356	51,945
South America:								
Argentina.....	15	60						
Brazil.....	2	30			3	31	7	68
Chile.....					4	41	4	85
Colombia.....	1,668	20,666	2,757	21,805	2,006	19,594	1,331	15,373
Guianas—								
British.....	478	1,787	381	1,504	162	904	52	211
French.....	253	1,264	280	1,568	154	1,130	42	429
Dutch.....	210	1,160	196	571			5	60
Peru.....	13	103			1	12		
Venezuela.....	211	1,142	42	285	53	481	50	650
Total South America.....	2,880	26,212	3,560	25,733	2,383	22,193	1,491	16,820
Asia and Oceania:								
British Australasia.....	30	300	134	805			73	1,000
Africa:								
British Africa.....	101	560	20	87	10	60	60	745
French Africa.....			3	17				
Liberia.....	494	2,532	457	2,349	212	3,002	40	471
Spanish Africa.....	2	11	1	7	1	10	1	12
Total Africa.....	597	3,112	481	2,460	323	3,072	101	1,228
All other islands and ports.....	2	15	11	68				
Grand total.....	24,612	139,663	28,505	143,847	15,760	106,907	7,036	71,140

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36. Statement by countries of the domestic exports of brine-salted mackerel during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1889.		1890.		1891.		1892.	
	Barrels.	Value.	Barrels.	Value.	Barrels.	Value.	Barrels.	Value.
Europe:								
Azores			5	\$68	1	\$15		
England					6	74		
France					1	18	1	\$17
Germany					2	38		
Total Europe			5	68	10	145	1	17
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.			1	12			4	67
Quebec, Ontario, etc.			3	57				
British Columbia			2	39	1	13		
Mexico	9	\$92	7	124	4	73	20	280
Central America—								
Costa Rica	48	760	54	818	42	664	53	824
Guatemala	1	13	3	40	27	328	1	11
Honduras	11	147	2	34	2	34	5	72
Nicaragua	62	853	41	772	124	2,029	44	671
British Honduras	50	838	23	439	19	288	60	836
Bermuda							13	177
West Indies—								
British	164	2,312	153	2,186	97	1,707	225	3,127
Danish					2	33		
Dutch	27	406	36	619	35	557	48	701
French	43	483	50	451	120	1,944	151	1,997
Haiti	128	1,784	306	5,423	1,143	19,188	1,515	21,591
Santo Domingo	31	506	34	637	142	2,525	445	5,466
Spanish—								
Cuba	18	270	5	92	59	1,013	241	3,177
Puerto Rico	12	190	25	431	94	1,454	349	4,374
Total North America	624	8,654	745	12,183	1,920	31,850	3,174	43,377
South America:								
Argentina	3	53	2	31				
Brazil	2	29					3	40
Chile			1	18	3	44		
Colombia	629	9,405	79	1,288	130	2,274	144	1,718
Ecuador								
Guianas—								
British			22	274	172	1,826	90	870
French	4	75	20	430	16	242	32	359
Dutch	10	161	15	250				
Peru							1	16
Venezuela	27	434	36	633	38	643	18	277
Total South America	675	10,167	175	2,924	359	5,029	288	3,282
Asia and Oceania:								
British Australasia					2	36	25	405
Africa:								
British Africa	3	45	12	195				
Liberia	1	20	11	142	4	68	2	27
Total Africa	4	65	23	337	4	68	2	27
Grand total	1,303	18,876	948	15,512	2,295	37,128	3,490	47,108

36. Statement by countries of the domestic exports of brine-salted mackerel during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1893.		1894.		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:						
Azores.....					91	\$460
England.....					701	6,242
France.....					3	43
Germany.....					20	168
Italy.....					7	70
Portugal.....					50	200
Total Europe.....					872	7,189
North America:						
Canada—						
Nova Scotia, New Brunswick, etc....	8	\$80	32	\$256	1,040	3,759
Quebec, Ontario, etc.....	8	137	15	192	99	819
British Columbia.....	15	150	13	200	42	684
Mexico.....	13	181	8	127	82	1,088
Central America—						
Costa Rica.....	24	365	25	317	356	4,990
Guatemala.....	12	189	7	98	61	767
Honduras.....	7	82	1	17	99	1,087
Nicaragua.....	60	735	43	514	581	7,885
British Honduras.....	64	790	33	466	651	7,164
Bermuda.....	18	248	11	175	42	600
West Indies—						
British.....	177	2,369	276	3,688	11,670	72,167
Danish.....	3	35	5	60	452	2,517
Dutch.....	37	525	58	815	928	9,333
French.....	19	190	11	132	4,234	23,587
Haiti.....	1,172	16,849	1,758	24,717	42,906	206,748
Santo Domingo.....	487	6,071	635	7,517	7,918	58,944
Spanish—						
Cuba.....	134	1,705	100	1,250	1,410	12,849
Puerto Rico.....	111	1,284	34	478	2,191	15,883
Total North America.....	2,349	31,985	3,065	41,070	74,762	520,771
South America:						
Argentina.....					20	144
Brazil.....					30	478
Chile.....	11	168	8	112	12	138
Colombia.....	65	935	70	1,084	8,015	94,122
Ecuador.....	1	18	5	60	0	79
Guianas—						
British.....			31	288	1,383	7,604
Dutch.....	2	26			348	2,228
French.....	5	48	10	115	816	5,660
Peru.....					15	133
Venezuela.....	11	107	15	219	501	4,031
Total South America.....	95	1,357	145	1,864	12,057	115,577
Asia and Oceanica:						
British Australasia.....					204	2,540
Africa:						
British Africa.....	4	40			210	1,741
French Africa.....					3	17
Liberia.....	5	69	14	130	1,340	8,819
Spanish Africa.....					5	40
Total Africa.....	9	109	14	130	1,558	10,617
All other islands and ports.....	2	29			15	112
Grand total.....	2,455	33,480	3,224	43,082	89,528	656,812

Import duties on salt mackerel.—In the following table the approximate rates of import duty levied on brine-salted mackerel in various foreign countries are shown, the unit being a barrel of 200 pounds. The rate in the United States is \$2 per barrel.

37. Statement of the approximate rates of duty exacted in various foreign countries on pickled or brine-salted mackerel imported therein.

Countries.	Duty per barrel, or 200 pounds.	Countries.	Duty per barrel, or 200 pounds.
Europe:		North America—continued.	
France.....	\$4.38	West Indies—continued.	
Germany.....	.64	Martinique.....	\$2.80
Great Britain.....	Free.	Puerto Rico.....	.75
Italy.....	1.05	Santo Domingo.....	2.54 to 3.80
Portugal.....	1.00	South America:	
North America:		Argentina.....	8.40
Canada.....	2.00	Brazil.....	2.00
Mexico.....	5.74	British Guiana.....	1.00
Central America—		Chile.....	3.43
Costa Rica.....	3.08	Colombia.....	2.20
Guatemala.....	6.62	Peru.....	4.44
Honduras.....	1.86	Venezuela.....	4.38
Nicaragua.....	6.52	Africa:	
British Honduras.....	Free.	Liberia.....	1.00
West Indies—		Mauritius.....	.20
Bahamas.....	.98	Asia and Oceania:	
Barbados.....	.10	New South Wales.....	4.12
Cuba.....	1.52	New Zealand.....	4.34
Dutch West Indies.....	1½ p. c. ad val.	Queensland.....	2.16
Guadaloupe.....	6 p. c. ad val.	Tasmania.....	12½ p. c. ad val.
Haiti.....	1.50	South Australia.....	12 p. c. ad val.
Jamaica.....	.98		

VI.—HERRING AND SARDINES.

Branches of the trade.—The extensive herring fisheries of this country do not suffice to furnish the markets with sufficient products of this species, and the imports of herring and sardines greatly exceed the exports in value. In fact, these constitute the most important fishery imports of the United States. The imports are in the form of sardines, pickled herring, smoked herring, and small quantities of fresh herring for bait and for food. The exports are smoked herring and small quantities of pickled herring.

The following table shows the value of the several varieties of herring products imported and exported during the seven years ending June 30, 1894, and the total balance of trade during each year:

38. Condensed statement of the foreign trade in herring and sardines during the seven years ending June 30, 1894.

Year ending June 30	Imports for consumption.					Domestic exports.			Excess of imports over exports.
	Fresh herring.	Smoked herring.	Pickled herring.	Sardines.	Total.	Smoked herring.	Pickled herring.	Total.	
1888.....	(a)	\$88,607	\$826,251	\$040,036	\$1,854,894	\$79,539	\$22,146	\$101,685	\$1,753,209
1889.....	(a)	122,027	796,651	846,077	1,724,755	80,281	17,759	98,037	1,626,718
1890.....	(a)	99,362	880,238	764,507	1,744,107	103,091	9,614	112,705	1,631,402
1891.....	\$11,589	91,032	954,637	1,008,843	2,076,161	105,200	12,352	117,612	1,958,549
1892.....	4,894	52,442	1,167,376	1,175,892	2,409,604	82,772	11,481	94,253	2,306,351
1893.....	10,262	33,815	1,151,112	1,258,158	2,453,347	93,412	8,600	102,072	2,351,275
1894.....	5,919	23,570	950,260	900,780	1,880,529	123,882	13,457	137,339	1,743,189
Total.....	32,664	510,855	6,726,585	6,854,293	14,184,397	608,237	95,460	703,703	13,370,684
Average per year.....	8,166	72,079	960,941	970,185	2,019,200	95,462	13,638	109,100	190,097

a No information.

FRESH HERRING, FOR BAIT AND FOR FOOD.

During each year a quantity of bait fish is imported for use in the winter bank fisheries. All of it is received from the British North American Provinces, chiefly from Newfoundland, and consists almost entirely of frozen herring. The following statement shows the quantities and values of bait herring imported during the last four years. The small quantities of fresh or frozen herring imported for food during the same period are also shown in this table.

39. Statement of fresh or frozen herring imported for bait and for food by foreign vessels.

Year ending June 30—	Herring for bait.		Herring for food.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
1891.....	350,000	\$3,418	066,954	\$8,171	1,316,954	\$11,589
1892.....	502,032	2,636	160,868	2,258	662,900	4,894
1893.....	574,500	5,325	383,619	4,937	958,119	10,262
1894.....	391,892	2,820	211,991	3,090	603,883	5,919
Total.....	1,818,424	14,208	1,723,432	18,456	3,541,856	32,604

The foregoing table does not include all the herring received in this country from the British North American Provinces during those years, but only those brought in by foreign vessels. It has been the practice of the customs officials to admit free of duty the frozen herring brought in by United States vessels as product of the domestic fisheries. All the frozen herring used in this country are received from foreign countries, and about one-third are used for bait. The receipts of frozen herring from the Provinces range from 5,000,000 to 15,000,000 pounds annually.

SMOKED OR CURED HERRING.

Balance of trade in smoked herring.—During the last eight years the exports of smoked or cured herring have about equaled the imports. During the seven years ending June 30, 1894, the exports amounted to 25,277,958 pounds, worth \$668,237, while the imports during the same period were 31,806,495 pounds, worth \$732,029. The imports for consumption during that period, however, were but 21,626,128 pounds, worth \$508,855. The terms of the Washington treaty had a very depressing effect on the smoked-herring industry of the United States. During 1885, the last year of that treaty, the imports for consumption of foreign smoked herring amounted to 10,441,355 pounds, while in the year following they were but 4,246,970 pounds. The imports for consumption have continued to decrease up to the present time, the quantity in 1894 being only 852,480 pounds, the smallest for twenty years. The exports have shown a correspondingly large increase. In 1888 they were but 2,948,620 pounds, worth \$79,539; while in 1894 the exports of domestic smoked herring were 5,118,025 pounds, valued at \$123,882. Table 40 shows the imports for consumption and the exports

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during each of the seven years ending in 1894, and the annual average value per 100 pounds of each class. The imports for consumption from 1874 to 1894, inclusive, as shown in Table 9 on page 446, amount to 74,548,529 pounds, worth \$1,638,295.

40. Statement of foreign trade in smoked herring during seven years ending June 30, 1894.

Year ending June 30—	Imports for consumption.		Domestic exports.		Balance of trade.		Average values per 100 pounds.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Imports.	Exports.
1888.....	3,994,101	\$86,607	2,948,620	\$79,539	+1,045,481	+ \$7,068	\$2.17	\$2.70
1889.....	4,226,839	122,027	2,404,433	80,281	+1,822,406	+ 41,746	2.89	3.34
1890.....	4,824,261	99,362	3,664,704	103,091	+1,159,557	- 3,729	2.06	2.81
1891.....	3,723,654	91,032	3,777,535	105,260	- 53,881	- 14,228	2.44	2.79
1892.....	2,294,159	52,442	3,279,263	82,772	- 985,104	- 80,330	2.20	2.52
1893.....	1,710,634	33,815	4,085,378	93,412	-2,374,744	- 59,597	1.08	2.29
1894.....	852,480	23,570	5,118,025	123,882	-4,265,545	-100,312	2.76	2.42
Total....	21,626,128	508,855	25,277,958	668,237	-3,651,830	-159,382	2.35	2.64

NOTE.—The + indicates excess of imports over exports; - indicates excess of exports over imports.

Imports of smoked herring by countries.—Nearly all of the smoked herring imported into the United States is from Nova Scotia and New Brunswick, the remainder coming principally from Sweden, England, the Netherlands, and Newfoundland. Of the 53,685,414 pounds imported during the ten years ending June 30, 1894, 48,041,778 pounds, or 90 per cent, came from Nova Scotia and New Brunswick; 1,900,142 from Sweden; 1,486,403 from Newfoundland; 747,904 from England; and 1,509,187 pounds from all the remaining countries. The accompanying tabulation indicates the receipts of smoked or cured herring from each foreign country during each of the ten years ending June 30, 1894:

41. Statement by countries of the imports of smoked or cured herring into the United States during the ten years ending June 30, 1894.

Countries from which imported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Germany.....			8,394	\$111	5,952	\$147		
Italy.....							4,915	\$256
Netherlands.....			33,464	2,105	166,586	9,305	40,100	2,031
Sweden and Norway...			5,826	241	53,371	1,066	184,461	7,409
United Kingdom—								
England.....			34	2	32,410	1,120	84,031	4,096
Ireland.....							25,830	1,109
Total Europe.....			47,718	2,459	258,328	12,544	339,327	14,901
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	10,138,018	\$122,379	4,002,498	75,302	5,325,520	76,246	5,100,002	101,300
Quebec, Ontario, etc.....	410,697	8,301	23,500	418	21,090	532	89,015	2,164
Newfoundland and Labrador.....			1,038,879	19,825	2,481	102	20,000	280
Total North America	10,558,315	130,680	5,064,877	95,545	5,349,011	76,880	5,209,917	103,810
Other islands and ports.....			130	17	540	29		
Grand total.....	10,558,315	130,680	5,712,725	98,021	5,607,879	89,453	5,549,244	118,711
Total entered for consumption.....	10,441,355	129,034	4,240,970	64,457	5,533,802	86,390	3,994,101	86,007
Amount of duty.....				21,235		27,069		19,971

41. Statement by countries of the imports of smoked or cured herring into the United States during the ten years ending June 30, 1894—Continued.

Countries from which imported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Germany	229, 418	\$8, 111	26, 189	\$697	6, 748	\$321	.....	.....
Italy .....	.....	.....	2, 132	102	.....	.....	.....	.....
Netherlands	28, 148	2, 239	96, 070	2, 854	48, 416	1, 880	2, 646	\$252
Sweden and Norway	329, 668	16, 677	701, 288	27, 373	317, 730	10, 298	35, 510	1, 075
United Kingdom—								
England	108, 275	3, 053	10, 130	448	94, 166	3, 836	153, 141	6, 578
Ireland	144, 625	5, 751	.....	.....	.....	.....	4, 031	179
Scotland	20, 000	730	.....	.....	.....	.....	4, 032	170
Total Europe	860, 134	36, 561	836, 409	31, 474	467, 060	16, 335	200, 260	8, 852
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	4, 884, 013	128, 762	5, 008, 944	107, 010	3, 791, 001	84, 443	2, 900, 092	57, 460
Quebec, Ontario, etc.	18, 655	593	20	1	1, 010	27	.....	.....
Newfoundland and Labrador	326, 623	6, 718	57, 200	1, 059	40, 200	687	70	4
Total North America	5, 229, 291	136, 073	5, 066, 164	108, 070	3, 832, 301	85, 157	2, 900, 162	57, 464
All other islands and ports	4, 012	27	.....	.....	12	1	3, 506	140
Grand total	6, 693, 437	172, 661	6, 502, 573	140, 144	4, 299, 373	101, 493	3, 103, 928	66, 456
Total entered for consumption	4, 226, 839	122, 027	4, 824, 261	90, 362	3, 723, 654	91, 032	2, 294, 169	62, 442
Amount of duty .....	.....	21, 134	.....	24, 121	.....	23, 412	.....	17, 296

Countries from which imported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
Germany	2, 750	\$70	1, 090	\$35	280, 541	\$0, 492
Italy .....	.....	.....	.....	.....	7, 047	358
Netherlands	2, 846	101	7, 227	341	426, 103	21, 108
Sweden and Norway	51, 925	1, 786	220, 373	6, 961	1, 900, 142	74, 386
United Kingdom—						
England	155, 394	0, 544	110, 314	4, 804	747, 004	30, 545
Ireland .....	.....	.....	10, 296	752	185, 682	7, 791
Scotland .....	.....	.....	.....	.....	24, 032	900
Total Europe	212, 015	8, 561	349, 300	12, 053	3, 571, 451	144, 640
North America:						
Canada—						
Nova Scotia, New Brunswick, etc.	2, 815, 352	47, 853	2, 875, 048	63, 939	48, 041, 778	865, 360
Quebec, Ontario, etc. ....	.....	.....	1, 800	160	575, 057	12, 196
Newfoundland and Labrador .....	.....	.....	1, 000	16	1, 486, 403	28, 691
Total North America	2, 815, 352	47, 853	2, 878, 448	64, 115	50, 103, 838	906, 247
All other islands and ports	1, 865	71	60	11	10, 125	296
Grand total	3, 030, 132	56, 485	3, 227, 808	77, 079	53, 685, 414	1, 051, 183
Total entered for consumption	1, 710, 634	33, 815	852, 480	23, 670	41, 848, 256	788, 736
Amount of duty .....	.....	12, 830	.....	6, 394	.....	173, 072

Exports of smoked herring by countries.—The exports of domestic smoked herring are confined almost exclusively to the West Indies and the Central and South American countries. More than one-half are sent to Haiti, with Santo Domingo, Cuba, Jamaica, Puerto Rico, and Venezuela ranking next in order.

Of the 25,277,958 pounds exported during the last seven years, Haiti received 15,566,663 pounds and Santo Domingo and Cuba 3,364,038 and 2,026,087 pounds, respectively. The American continent and adjacent islands received 24,881,338 pounds, or almost 99 per cent of the total exports, Africa 367,400, and Europe only 25,135 pounds.

The following table shows these exports in detail:

42. *Statement by countries of the quantities and values of domestic smoked herring exported from the United States during the seven years ending June 30, 1894.*

Countries to which exported.	1888.		1889.		1890.		1891.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Azores, and Madeira Islands	3,150	\$98	850	\$25	7,100	\$248	3,210	\$97
England							2,000	65
Total Europe	3,150	98	850	25	7,100	248	5,210	162
North America:								
Canada—								
Nova Scotia, etc.					2,500	60		
Quebec, Ontario, etc.	315	15					270	12
Mexico	1,323	49	793	27	1,720	47	3,190	103
Central America—								
Costa Rica	3,082	104	1,839	71	5,699	162	3,255	100
Guatemala	67	4	64	2	300	11	150	5
Honduras	108	6	549	28	742	43	100	3
Nicaragua	640	19	1,860	91	3,500	104	4,532	137
British Honduras	3,336	97	6,502	246	6,804	300	5,524	186
West Indies—								
British	58,759	1,764	164,703	4,862	121,717	3,447	80,877	2,038
Danish	16,025	414	19,700	526	9,910	273	15,240	449
Dutch	41,483	1,081	22,249	833	27,721	796	33,674	1,000
French	77,050	1,901	87,639	2,596	137,944	3,969	160,876	4,211
Haiti	1,832,143	51,046	1,237,410	42,589	2,301,372	65,027	2,401,490	63,975
Santo Domingo	272,315	7,464	385,710	12,806	418,729	13,006	613,310	18,973
Spanish—								
Cuba	173,883	4,292	172,814	5,713	228,566	6,989	207,514	6,492
Puerto Rico	65,738	1,686	82,133	2,721	132,390	4,018	66,856	2,141
Total North America	2,547,467	69,942	2,183,974	73,111	3,489,665	98,252	3,596,861	99,836
South America:								
Colombia	119,169	3,039	86,011	2,843	20,700	665	42,220	1,308
Guianas—								
British			1,100	36	14,580	453	2,560	80
Dutch	9,555	207	10,360	304	17,875	472	11,105	328
French	40,955	803	26,410	608	32,700	905	35,915	1,041
Venezuela	41,999	1,203	33,290	1,236	48,371	1,146	50,398	1,413
Total South America	211,678	5,252	157,171	5,087	133,720	3,645	142,138	4,170
Africa:								
British Africa	10,500	225	4,000	170	14,728	440		
French Africa	15,400	252	4,500	81			700	16
Liberia	142,800	3,196	42,418	1,414	15,630	389	20,632	702
Spanish Africa	17,500	569	10,015	343	3,180	98	11,991	374
Total Africa	186,200	4,242	60,933	2,008	33,538	927	33,323	1,092
All other islands and ports.	125	5	1,505	50	675	19		
Grand total	2,948,620	79,539	2,404,433	80,281	3,664,704	103,091	3,777,535	105,280

42. Statement by countries of the quantities and values of domestic smoked herring exported from the United States during the seven years ending June 30, 1894—Continued.

Countries to which exported.	1892.		1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Azores, and Madeira Islands.....							14,310	\$468
United Kingdom—								
England.....	1,600	\$56					3,000	121
Scotland.....	2,075	54	4,550	\$138			7,225	192
Total Europe.....	4,275	110	4,550	138			25,135	781
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....					280	\$20	2,780	80
Quebec, Ontario, etc.....			100	2	2,080	132	2,771	101
British Columbia.....			75	5	590	29	635	34
Mexico.....	10,132	248	11,532	327	2,176	63	30,860	864
Central America—								
Costa Rica.....	4,116	131	5,158	121	8,083	202	31,223	891
Guatemala.....	75	2	880	43			1,596	67
Honduras.....	2,427	27	25	1	805	13	4,250	121
Nicaragua.....	1,510	49	1,513	47	924	32	14,488	479
British Honduras.....	5,284	154	5,847	149	4,391	118	37,668	1,232
Bermuda.....	585	18	105	3	420	12	1,110	31
West Indies—								
British.....	84,170	1,773	105,840	2,162	197,590	4,423	813,662	20,400
Danish.....	4,389	125	1,400	35	1,050	24	68,314	1,846
Dutch.....	34,883	932	53,904	1,300	45,380	1,157	259,294	7,114
French.....	77,040	1,940	22,050	564	212,540	4,989	775,730	20,170
Haiti.....	2,006,370	46,868	2,564,410	52,630	3,133,453	74,877	15,560,663	397,012
Santo Domingo.....	303,454	9,250	581,135	15,950	789,385	18,475	3,364,038	95,924
Spanish—								
Cuba.....	499,869	14,657	369,109	11,006	374,332	10,347	2,026,087	50,496
Puerto Rico.....	82,564	2,463	69,407	2,026	135,554	3,784	634,632	18,839
Total North America.....	3,116,873	78,635	3,792,400	86,317	4,908,509	118,697	23,635,842	624,700
South America:								
Colombia.....	13,732	447	18,219	537	31,016	863	331,067	9,702
Guianas—								
British.....	24,850	458	2,780	75	27,090	548	72,810	1,050
Dutch.....	19,940	460	36,370	817	28,300	619	133,005	3,207
French.....	27,580	777	17,950	385	16,310	341	197,820	4,924
Venezuela.....	54,803	1,365	100,471	4,507	91,562	2,398	510,894	13,268
Total South America.....	140,905	3,567	265,790	6,321	194,188	4,769	1,245,596	32,751
Africa:								
British Africa.....	2,940	98	7,418	198	2,914	80	42,500	1,211
Canary Islands.....	1,240	38	700	20	3,654	95	5,594	153
French Africa.....							20,000	349
Liberia.....	12,280	361	14,430	418	7,890	212	256,020	6,692
Spanish Africa.....							42,688	1,384
Total Africa.....	16,460	497	22,548	636	14,398	387	367,400	9,789
All other islands and ports.....	750	23			930	29	8,985	120
Grand total.....	3,279,263	82,772	4,085,378	93,412	5,118,025	123,882	25,277,958	668,237

Import duties in various countries on smoked herring.—The approximate rates of duty levied on smoked herring imported into various foreign countries are indicated in comparative form in the following statement. The present rate in the United States is 75 cents per 100 pounds.

43. *Approximate rates of duty on smoked herring imported into various foreign countries.*

Countries.	Duty per 100 pounds.	Countries.	Duty per 100 pounds.
Europe:		North America—continued.	
Austria-Hungary.....	\$0. 43	West Indies—	
Denmark.....	. 17	Cuba.....	\$0. 70
France.....	1. 32	Guadaloupe.....	6 p. c.
Germany.....	. 32	Haiti..... per box..	. 06
Great Britain.....	Free.	Jamaica.....	. 50
Greece.....	2. 04	Puerto Rico.....	. 38
Italy.....	. 41	Santo Domingo.....	. 85
Portugal.....	. 08	South America:	
Russia.....	. 29	Bolivia.....	. 06
North America:		Colombia.....	1. 10
Canada.....	1. 00	British Guiana.....	. 50
Mexico.....	2. 87	Peru.....	. 44
Central America—		Venezuela.....	2. 10
Costa Rica.....	1. 54	Africa:	
Honduras.....	. 03	British Cape Colony.....	2. 00
Nicaragua.....	2. 33	French Gaboon.....	. 05
British Honduras.....	10 p. c.	Liberia.....	1. 00

BRINE-SALTED OR PICKLED HERRING.

General trade in pickled herring.—While the United States exports as well as imports pickled or brine-salted herring, yet the exports are vastly exceeded by the imports, the former averaging about 3,000 barrels while the latter average 135,000 barrels per annum. The average value of those imported has been about \$7.12 and of those exported about \$4.72 per barrel. Table 44 shows the extent of the foreign trade in pickled herring during the seven years ending June 30, 1894. It is impracticable to show the extent of the exports of pickled herring prior to 1888, as they were not separately classified, being included with all other pickled or brine-salted fish. The imports of pickled herring since 1820 are included in Tables 5, 6, and 10, on pages 441, 443, 447.

During the twenty-six years ending June 30, 1894, the imports for consumption were 2,831,992 barrels, worth \$16,978,802, as shown in Table 10.

44. *Statement of the foreign trade in pickled or brine-salted herring during the seven years ending June 30, 1894.*

Year ending June 30—	Imports for consumption.		Domestic exports.		Excess of imports over exports.		Average value per barrel.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Dollars.	Imports.	Exports.
1888.....	126, 104	\$826, 251	3, 008	\$22, 146	122, 436	804, 105	\$0. 55	\$6. 04
1889.....	112, 453	796, 051	3, 221	17, 750	109, 232	778, 895	7. 03	5. 52
1890.....	123, 831	880, 238	2, 267	9, 614	121, 564	870, 024	7. 11	4. 24
1891.....	128, 363	954, 097	3, 012	12, 352	125, 351	942, 345	7. 44	4. 10
1892.....	150, 603	1, 167, 370	2, 700	11, 481	147, 903	1, 155, 895	7. 75	4. 25
1893.....	163, 050	1, 151, 112	1, 862	8, 600	161, 188	1, 142, 452	7. 06	4. 05
1894.....	141, 476	950, 268	3, 501	13, 457	137, 975	936, 811	6. 71	3. 84
Total....	945, 880	6, 726, 593	20, 231	95, 466	925, 649	6, 031, 127	.....	.....

The extent of the imports of pickled herring from and the exports to each foreign country during the seven years ending June 30, 1894, is shown in Table 45. It appears that during this period the imports from Europe aggregated 689,445 barrels, or 71.72 per cent of the total imports.

The receipts from the British North American provinces were 270,840 barrels, or 28.17 per cent. Exports are principally to British West Indies, Haiti, Santo Domingo, and other islands of the West Indies.

45. Statement by countries of the foreign trade in salted or pickled herring during the seven years ending June 30, 1894.

Countries.	Imports.		Exports.		Average values per barrel.	
	Barrels.	Values.	Barrels.	Values.	Imports.	Exports.
Europe:						
Germany	74,566	\$554,089			\$7.44	
Netherlands	202,004	3,352,660			11.48	
Sweden and Norway	198,224	955,730			5.02	
United Kingdom—						
England	14,140	96,205	150	\$570	6.79	
Scotland	109,322	700,568			7.23	\$3.80
Ireland	642	4,316			6.72	
Others	487	4,088			8.40	
Total Europe	689,445	5,758,568	150	570	8.30	3.80
North America:						
Nova Scotia and New Brunswick...	170,760	545,047	313	1,280	3.19	4.09
Quebec, Ontario, etc	29,224	148,759	61	303	5.08	5.00
British Columbia			0	54		9.00
Newfoundland	70,850	298,447			4.21	
Miquelon, Langley, etc	1,034	3,487			3.37	
Bermuda			0	30		5.00
Central America—						
Costa Rica			57	285		5.00
Honduras			7	54		7.71
Nicaragua			39	211		6.27
British Honduras			112	550		4.93
West Indies—						
British			7,811	31,017		3.67
Danish			1,260	6,531		5.16
Dutch			1,429	6,990		4.89
French			883	4,922		5.57
Haiti			5,039	28,137		6.58
Santo Domingo			1,550	6,981		4.50
Cuba and Puerto Rico			328	1,464		4.40
Total North America	271,874	995,740	18,908	88,845	3.61	4.60
South America:						
Colombia			463	2,151		4.80
Guiana—						
British			134	797		5.95
Dutch			76	410		5.40
French			49	322		6.55
Venezuela			68	368		5.41
Total South America			790	4,048		5.15
Africa:						
British			183	833		4.55
Liberia			129	795		6.17
Total Africa			312	1,628		5.22
All other islands and ports	50	242	72	375	4.84	5.14
Grand total	901,360	6,754,650	20,231	95,466	7.03	4.72

Imports of pickled herring by countries.—Pickled herring are received principally from Netherlands, Canada, Norway, Germany, Scotland, and Newfoundland. During the ten years ending June 30, 1894, the imports from the Netherlands amounted to 377,480 barrels, worth \$4,379,171; from Canada 372,755 barrels, valued at \$1,240,293; from Norway 231,098 barrels, worth \$1,125,838; from Germany 112,250 barrels, from Scotland 111,198 barrels, from Newfoundland 94,187 barrels, and from all the remaining countries 22,052 barrels, worth \$141,740;

making a grand total of 1,321,020 barrels, worth \$8,983,326. The imports from the continent of Europe were 852,987 barrels, worth \$7,357,293, and from North American provinces 467,976 barrels, worth \$1,625,723.

The Netherlands herring are the most valuable, averaging \$11.48 per barrel; those from Germany and Scotland rank next, with averages of \$7.44 and \$7.23, respectively. The cheaper herring are received from Nova Scotia and Newfoundland, their average value being \$3.19 and \$4.21, respectively, per barrel.

Notwithstanding the greater value of the Dutch herring as compared with those from England and Scotland, they are caught almost on the same ground. The difference in value (about \$4.50 per barrel) is due entirely to the greater care exercised in preservation. The Dutch bleed each fish, use the best quality of salt, and take the greatest care in the manipulation. During recent years, however, the herring received from the Netherlands have not been entirely free from complaint, some New York importers claiming that the quality is not what it was formerly. This complaint is lodged against the consignments rather than the direct purchases. The imports and sales of Scotch herring are on the increase, brought about principally on account of better selection and more uniformity in quality.

46. Statement by countries of the imports of pickled herring during the ten years ending June 30, 1894.

Countries from which imported.	1885.		1886.		1887.		1888.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:								
Austria-Hungary.....					1	\$6		
Belgium.....	129	\$1,252	26	\$290				
Denmark.....	19	134	0	28	1	11	20	\$107
France.....	02	434	50	816				
Germany.....	11,381	116,989	11,787	115,020	14,506	124,289	16,327	118,877
Italy.....	2	20			45	401	42	455
Netherlands.....	32,441	392,064	22,117	273,914	30,858	359,627	37,400	422,926
Sweden and Norway.....	4,218	29,474	9,024	46,303	19,632	94,325	22,237	100,124
United Kingdom—								
England.....	640	5,389	2,783	14,473	1,928	10,562	1,271	7,568
Scotland.....	186	1,768	814	5,048	876	5,721	1,943	12,767
Total Europe.....	49,078	548,373	46,617	455,410	67,847	594,942	79,240	657,824
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	91,171	259,783	30,223	88,848	22,599	70,292	36,712	114,733
Quebec, Ontario, etc.....	9,271	40,961	8,216	28,347	11,285	40,256	7,174	32,350
Newfoundland and Labrador.....	4,864	14,800	12,824	44,704	5,049	23,022	8,241	36,067
Total North America.....	105,306	315,544	51,263	161,959	38,933	152,480	52,127	183,150
All other islands and ports.....	1	5			6	63	1	4
Grand total.....	154,385	893,922	97,880	617,369	107,386	747,485	131,368	840,978
Total entered for consumption.....	183,818	858,249	92,600	617,035	107,189	748,321	123,104	826,251
Amount of duty.....		49,088		92,660		107,189		136,104

46. Statement by countries of the imports of pickled herring during the ten years ending June 30, 1894—Continued.

Countries from which imported.	1889.		1890.		1891.		1892.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:								
Austria-Hungary			4	\$23	50	\$279		
Belgium			174	1,571				
Denmark	15	\$63	1	9	3	28		
France					1	8	6	\$49
Germany	10,609	74,229	10,791	73,107	13,283	109,042	11,303	95,741
Italy	26	283	53	488	5	35	28	371
Netherlands	84,249	420,071	89,466	470,133	35,616	407,040	39,553	481,021
Sweden and Norway	22,994	110,046	27,709	117,100	21,849	130,531	32,161	190,842
United Kingdom—								
England	2,907	19,838	3,731	24,300			3,655	29,013
Scotland	3,791	23,842	6,374	48,375	19,027	133,900	24,250	215,769
Ireland	190	794	70	438			151	1,691
Total Europe	74,781	658,166	88,373	735,544	89,834	780,953	111,107	1,014,997
North America:								
Canada—								
Nova Scotia, New Brunswick, etc	24,262	80,342	17,645	61,012	23,322	69,669	23,377	83,833
Quebec, Ontario, etc	5,370	28,094	5,389	26,006	5,264	31,299	3,091	15,827
Newfoundland and Labrador	9,044	37,266	14,033	58,056	9,707	40,139	15,212	63,817
Total North America	38,676	145,702	37,067	140,274	38,293	141,107	41,680	163,477
All other islands and ports	7	20			8	39	10	40
Grand total	113,464	803,888	125,440	881,818	128,135	922,099	152,797	1,178,514
Total entered for consumption	112,453	796,651	123,831	880,238	128,363	954,697	150,603	1,167,376
Amount of duty		112,453		123,831		128,363		150,603

Countries from which imported.	1893.		1894.		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:						
Austria-Hungary					55	\$308
Belgium	14	\$86			343	3,208
Denmark	13	81	24	\$70	102	531
France					110	897
Germany	7,844	57,855	4,400	31,138	112,250	911,296
Italy	1	10	7	66	209	2,144
Netherlands	58,788	643,780	46,902	498,095	377,480	4,379,171
Sweden and Norway	32,521	155,109	38,753	151,993	231,098	1,125,838
United Kingdom—						
England	1,308	8,880	1,178	6,000	10,491	126,629
Scotland	22,809	155,301	31,128	200,524	111,198	893,045
Ireland	191	1,217	40	276	642	4,316
Total Europe	123,570	1,022,322	122,541	888,762	852,987	7,357,293
North America:						
Canada—						
Nova Scotia, New Brunswick, etc	28,675	87,002	16,773	47,850	314,769	972,970
Quebec, Ontario, etc	2,712	13,726	224	857	57,096	297,323
Newfoundland and Labrador	9,293	41,853	5,320	21,249	91,187	381,043
Miquelon, Langley, etc			1,034	3,487	1,034	3,487
Total North America	40,680	142,581	23,351	73,449	467,076	1,625,723
All other islands and ports	3	39	21	100	57	310
Grand total	164,253	1,164,942	145,903	962,311	1,320,120	8,983,326
Total entered for consumption	163,050	1,151,112	141,476	950,268	1,304,547	8,950,198
Amount of duty		163,050		141,476		1,194,817

Exports of pickled herring by countries.—The exports of domestic pickled herring are principally to the West Indies and the Central and South American States. The customs returns do not separately classify

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the exports of these fish prior to 1888, but during the seven years beginning July 1, 1888, and ending June 30, 1894, the exports to the West Indies aggregated 18,306 barrels, worth \$86,042; to the South American countries, 790 barrels, worth \$4,048, and to all other countries, 1,135 barrels, worth \$5,376; a total of 20,231 barrels, valued at \$95,466, or an annual average of 2,890 barrels and \$13,638.

47. Statement by countries of the domestic exports of pickled herring during the seven years ending June 30, 1894.

Countries to which exported.	1888.		1889.		1890.		1891.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
North America:								
Canada—								
Nova Scotia, etc.....	101	\$507						
Quebec, Ontario, etc.....		2						
Central America—								
Costa Rica.....			3	\$15	7	\$34	4	\$18
Honduras.....	3	18	2	25	2	11		
Nicaragua.....	23	156	2	16	7	32	4	20
British Honduras.....	9	54	26	154	15	70	2	11
West Indies—								
British.....	273	1,405	1,424	6,838	1,485	5,898	1,705	6,021
Danish.....	367	1,874	314	1,817	306	1,472	151	800
Dutch.....	129	759	50	269	109	834	232	1,061
French.....	213	1,404	95	517	60	285	400	1,032
Haiti.....	2,185	13,386	1,047	6,841	170	775	150	734
Santo Domingo.....	55	558	102	946	8	35	146	715
Spanish—								
Cuba.....	22	140			8	40	1	4
Puerto Rico.....			32	130	6	30	40	201
Total North America.....	3,380	20,353	3,187	17,566	2,243	9,516	2,835	11,517
South America:								
Colombia.....	72	452	2	11	15	60	22	94
Guianas—							6	20
British.....	9	63						
Dutch.....	20	120	6	32				
French.....	11	92	20	107	1	5		
Venezuela.....	34	204			5	21	4	20
Total South America.....	146	931	28	150	21	86	32	134
Africa:								
British Africa.....	30	103					100	500
Liberia.....	97	680						
Total Africa.....	127	772					100	500
All other islands and ports.....	15	90	6	40	3	12	45	201
Grand total.....	3,608	22,146	3,221	17,756	2,267	9,614	3,012	11,517

Countries to which exported.	1892.		1893.		1894.		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
Europe:								
England.....	50	\$220			100	\$350	150	\$570
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	150	525	62	\$248			313	1,280
Quebec, Ontario, etc.....	31	175	5	21	25	105	61	303
British Columbia.....	3	31	1	9	2	14	6	54
Central America—								
Costa Rica.....	22	109	8	41	13	68	57	285
Honduras.....							7	54
Nicaragua.....	3	17					30	241
British Honduras.....	21	91	10	85	20	91	112	556
Bermuda.....	4	17			2	13	6	80

47. Statement by countries of the domestic exports of pickled herring during the seven years ending June 30, 1894—Continued.

Countries to which exported.	1892.		1893.		1894.		Total.	
	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.	Barrels.	Values.
North America—Continued.								
West Indies—								
British	529	\$1,856	533	\$2,358	1,871	\$0,553	7,811	\$31,017
Danish	81	365	42	183	5	20	1,206	6,531
Dutch	280	1,431	270	1,265	209	1,371	1,420	6,990
French	100	715	13	59	2	10	883	4,922
Haiti	926	3,654	199	1,225	362	1,522	5,039	28,187
Santo Domingo	370	1,615	352	1,404	427	1,708	1,550	6,981
Spanish—								
Cuba	11	51	28	115	6	32	76	382
Puerto Rico	82	363	92	358	.....	.....	252	1,082
Total North America	2,604	11,015	1,024	7,371	3,034	11,507	18,907	88,845
South America:								
Colombia	17	76	73	309	262	1,140	463	2,151
Gulanas—								
British .....	.....	.....	105	656	14	58	134	797
Dutch .....	.....	.....	50	258	.....	.....	76	410
French	17	118	.....	.....	.....	.....	49	322
Venezuela	5	24	7	34	13	65	68	368
Total South America	39	218	235	1,257	289	1,272	790	4,048
Africa:								
British Africa .....	.....	.....	.....	.....	53	230	183	833
Liberia	7	28	.....	.....	25	98	120	795
Total Africa	7	28	.....	.....	78	328	312	1,628
All other islands and ports .....	.....	.....	3	32	.....	.....	72	375
Grand total	2,700	11,481	1,862	8,660	3,501	13,457	20,231	95,466

Import duties in various countries on pickled herring.—The following compilation shows in comparative form (in some instances approximately) the rates of duty imposed on pickled herring imported into the various foreign countries. The rate in the United States is \$1 per barrel of 200 pounds.

48. Statement showing approximately the rates of duty imposed in various countries on pickled herring imported therein.

Countries.	Duty per barrel, or 200 pounds.	Countries.	Duty per barrel, or 200 pounds.
Europe:		North America—continued.	
Austria-Hungary	\$0.80	West Indies—continued.	
Denmark .....	.34	Guadaloupe	6 p. c. ad val.
France	2.64	Haiti	1.41
Germany .....	.64	Jamaica .....	.60
Great Britain	Free.	Martinique	2.80
Italy	1.05	Puerto Rico .....	.70
Russia .....	.58	Santo Domingo	2.54
Sweden	Free.	Central America—	
Switzerland .....	.17	Honduras	1.80
North America:		British Honduras	Free.
Canada	1.00	South America:	
West Indies—		Brazil	2.00
Bahamas .....	.08	Colombia	2.20
Barbados .....	.10	Gulana, British .....	.25
Cuba	1.52	Peru .....	.44
Dutch West Indies	1½ p. c. ad val.	Venezuela	4.38

SARDINES.

Sardine imports.—The importation of sardines into this country was begun about 1835, since which time they have been the principal fishery product imported. From 1858 to 1894, inclusive, the value of the sardines imported for consumption has amounted to \$26,567,457. During each of four years, 1880, 1891, 1892, and 1893, the value has exceeded \$1,000,000, the trade in 1893 surpassing that of any previous year. The smallest importations since 1872 have been \$610,705 in 1875; \$587,880 in 1876; and \$677,068 in 1885.

Table 49 shows the value of the sardines imported during each of the thirty-seven years ending June 30, 1894. The custom-house returns do not indicate the quantity imported prior to 1876.

49. Statement of the sardines imported for consumption into the United States from 1858 to 1894, inclusive.

Year ending June 30—	Whole boxes.		Half boxes.		Quarter boxes.		In any other form.	Total values.
	Boxes.	Values.	Boxes.	Values.	Boxes.	Values.	Values.	
1858.....								\$274, 137
1859.....								251, 278
1860.....								209, 679
1861.....								226, 024
1862.....								180, 417
1863.....								383, 223
1864.....								504, 079
1865.....								304, 713
1866.....								937, 920
1867.....								478, 619
1868.....								471, 707
1869.....								640, 159
1870.....								980, 989
1871.....								912, 555
1872.....								683, 005
1873.....								986, 769
1874.....								886, 677
1875.....								610, 705
1876.....	5, 382	\$2, 253	412, 374	\$64, 885	0, 297, 945	\$506, 150	\$14, 502	587, 880
1877.....	5, 813	2, 338	264, 285	48, 044	7, 985, 401	661, 507	11, 018	722, 997
1878.....	7, 182	2, 015	184, 539	35, 801	7, 175, 982	631, 736	11, 521	681, 673
1879.....	2, 424	1, 010	117, 320	23, 865	9, 875, 922	798, 563	9, 864	833, 302
1880.....	4, 792	1, 805	263, 728	52, 549	13, 378, 244	1, 048, 536	12, 772	1, 115, 632
1881.....	2, 834	982	131, 533	31, 543	10, 028, 535	913, 057	10, 440	956, 022
1882.....	2, 554	1, 351	51, 340	13, 435	8, 405, 836	767, 352	14, 141	766, 279
1883.....	2, 446	1, 447	180, 415	47, 901	6, 250, 832	710, 311	13, 970	773, 629
1884.....	5, 515	2, 421	503, 334	114, 403	9, 501, 850	837, 674	22, 256	976, 754
1885.....	7, 910	2, 834	235, 526	51, 130	6, 805, 187	590, 518	23, 586	677, 068
1886.....	5, 279	2, 248	241, 356	55, 250	7, 418, 010	677, 019	27, 462	702, 879
1887.....	3, 010	1, 117	209, 765	48, 203	8, 617, 967	730, 256	29, 099	817, 675
1888.....	5, 909	2, 510	406, 930	92, 014	9, 606, 262	815, 357	30, 155	940, 036
1889.....	4, 330	1, 458	606, 333	117, 825	8, 782, 343	657, 435	29, 359	806, 077
1890.....	3, 782	1, 387	343, 536	63, 600	10, 031, 656	662, 775	36, 654	764, 506
1891.....	4, 517	1, 271	408, 064	72, 087	12, 213, 829	879, 477	47, 108	1, 000, 813
1892.....	5, 841	1, 967	362, 253	79, 562	13, 227, 725	1, 049, 660	44, 703	1, 175, 802
1893.....	0, 353	2, 100	569, 607	126, 981	13, 454, 536	1, 083, 824	45, 244	1, 258, 158
1894.....	9, 985	2, 793	471, 995	91, 254	9, 305, 021	766, 637	40, 090	900, 780
Total.....	95, 948	35, 016	5, 964, 233	1, 231, 322	178, 432, 809	14, 806, 834	474, 040	26, 567, 457

The packing of sardines began in this country about 1875 and has gradually increased in importance, though it was confined within comparatively narrow limits until 1880. Since 1886 the value of the annual output of domestic sardines has averaged about \$2,000,000, nearly all of which are consumed in this country. There is some foreign trade in

domestic sardines; the United States canneries market a large quantity in Canada and ship several thousand cases to South America each year. The half-pound can of sardines in mustard is the most popular in the Canadian market. Several shipments have been sent to Australia, but considerable competition exists in that market with the English sprats, the preparation of which was begun at Dover, England, about 1883. It is not possible to show the extent of the export trade in this product, as it is not separately listed in the customs returns

While the sardines of the Maine coast differ from those occurring along the French and Portuguese coasts, yet, when carefully prepared, they are scarcely inferior to the general run of the latter. There are many consumers, however, who prefer French brands to the domestic goods. For this reason the importation of the French sardines continues to increase, and among them are large quantities of cheaper grades, which are readily marketed because they come from France.

By far the greater portion of the sardines imported into the United States are received from France, Portugal supplying the next largest quantity. Of the \$9,355,286 worth received during the ten years ending June 30, 1894, \$7,633,485 worth came directly from France and \$589,805 from Portugal; from England direct were received \$475,309 worth; from Germany, \$112,412; from Sweden and Norway, \$198,950; from Belgium, \$93,616; and from all other countries, \$251,709. However, nearly the whole of those imported into this country are the product of the French, Portuguese, and Norwegian fisheries.

The following table shows the value of sardines imported from each foreign country, the value of the imports for consumption, and amount of duty paid thereon, during the ten years ending June 30, 1894:

50. Statement by countries of the imports of anchovies or sardines into the United States during each of the ten years ending June 30, 1894.

Countries from which imported.	1885.	1886.	1887.	1888.	1889.	1890.
Europe:						
Austria-Hungary.....	\$6,442	\$30,364	\$18,720	\$7,336	\$7	\$26
Belgium.....	02	202	3,355	4,120	8,052	11,053
Denmark.....	417	80	158	24	91	7
England.....	56,500	40,782	50,213	70,096	31,073	34,843
France.....	489,553	708,840	019,801	792,820	699,121	625,109
Germany.....	4,025	8,831	0,102	7,244	6,405	5,604
Italy.....	2,275	4,095	5,390	5,303	4,744	7,007
Netherlands.....	8,203	7,024	0,013	8,543	6,058	5,637
Portugal.....	7	5,375	59,545	40,499	19,742	20,000
Spain.....	1,254	3,968	8,086	19,147	3,857	
Sweden and Norway.....	9,064	11,883	14,410	22,554	11,926	14,415
Total Europe.....	577,858	820,943	798,987	990,595	791,076	724,721
North America:						
Nova Scotia, New Brunswick, etc..		1,080	207			
Quebec, Ontario, etc	2	19	1,334	241	88	1,154
Cuba.....	454	887	1,193	1,961	1,780	1,534
Total North America.....	456	1,992	2,704	2,202	1,877	2,688
All other islands and ports.....	1,418	785		702	416	600
Grand total.....	579,272	823,700	801,181	993,559	793,900	728,108
Total entered for consumption.....	677,068	762,879	817,075	940,036	806,077	764,506
Amount of duty.....	192,131	209,030	237,878	273,166	262,052	283,008

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50. Statement by countries of the imports of anchovies or sardines into the United States during each of the ten years ending June 30, 1894—Continued.

Countries from which imported.	1891.	1892.	1893.	1894.	Total.
Europe:					
Austria-Hungary	\$9	\$1,564	\$54	\$22	\$64,543
Belgium.....	9,052	13,569	20,834	21,808	93,016
Denmark.....	6		715		1,507
England.....	65,540	52,889	30,441	21,020	475,309
France.....	883,321	888,780	1,084,763	841,377	7,633,485
Germany.....	9,998	44,742	17,998	1,903	112,412
Italy.....	10,725	8,864	11,081	9,497	68,957
Netherlands.....	1,015	318	652		44,423
Portugal.....	80,810	156,162	154,631	47,474	589,805
Spain.....	179	4,669	2,438	1,022	45,220
Sweden and Norway.....	25,665	26,481	32,226	80,427	198,950
Total Europe.....	1,080,620	1,198,038	1,364,833	974,556	9,328,227
North America:					
Nova Scotia, New Brunswick, etc.....					1,353
Quebec, Ontario, etc.....	1,539	571	613	767	6,328
Cuba.....	1,735	2,383	1,371	1,340	14,047
Total North America.....	3,274	2,954	1,984	2,107	22,328
All other islands and ports.....	81	157	149	239	4,731
Grand total.....	1,089,975	1,201,140	1,366,966	976,952	9,355,286
Total entered for consumption.....	1,000,843	1,175,892	1,258,158	900,779	9,103,914
Amount of duty.....	345,044	367,521	383,577	274,762	2,828,169

During the last few years the sardine fishery along both the French and Portuguese coasts is reported to have been poor, the run of fish being small and of inferior quality. It is further stated that there is a growing habit in those countries of catching and preserving a fish that somewhat resembles the true sardine, but which appears to be inferior to the average quarter-oil sardine packed on the Maine coast.

It is clear that this is an opportune time for the American canners, by strict attention to the quality of their output, to make special efforts to capture trade that the French and Portuguese are likely to lose in the event of placing poor sardines upon the market. Aside from this, the conditions existing in Europe should tend, in some measure, to aid the sale of American fish, since, according to late accounts, many canners in France and Portugal have not attempted to pack during the last two years on account of the scarcity of the sardines.¹

Import duties on sardines.—The customs law of August 30, 1842, imposed a duty of 20 per cent ad valorem on sardines imported into the United States. This rate was doubled by the law of July 30, 1846, but the customs enactment of March 3, 1857, reduced the rate to 30 per cent. The act of July 30, 1864, raised the duty to 50 per cent ad valorem; but in 1872 it was again reduced to 30 per cent, where it remained until February 8, 1875, when specific duties were imposed. These were as follows: On boxes measuring not over 5 by 4 by 3½ inches, 15 cents per box; those measuring not over 5 by 4 by 1½ inches, 7½ cents each; measuring not over 4¾ by 3½ by 1¼ inches, 4 cents per box; and for sardines in any other form, an ad valorem duty of 60 per cent. The customs

¹ See New York Commercial Bulletin, July 24, 1894.

law of March 3, 1883, reduced these duties to 10 cents, 5 cents, 2½ cents, and 40 per cent ad valorem, respectively, at which rate they remain at the present time. The duties imposed in the principal foreign countries on imported sardines are shown in the accompanying compilation:

51. Statement showing approximately the rates of duty on sardines imported into various foreign countries.

Countries.	Duty per 100 pounds.	Countries.	Duty per 100 pounds.
Europe:		North America—continued.	
Austria-Hungary.....	\$5.80	Central America—	
Belgium.....	Free.	British Honduras.....	10 per cent ad val.
Denmark.....	1.70	Costa Rica.....	\$1.54
France.....	2.19	Guatemala.....	5.51
Germany.....	6.48	Honduras.....	1.86
Great Britain.....	Free.	Nicaragua.....	3.26
Greece.....	13.59	Salvador.....	4.40
Italy.....	2.63	West Indies—	
Netherlands.....	4.50	Cuba.....	5.04
Norway.....	2.40	Haiti—	
Portugal.....	.24	Whole boxes.....	10 per box.
Russia.....	5.38	Half boxes.....	.06 per box.
Sweden.....	2.43	Quarter boxes.....	.04 per box.
Switzerland.....	1.30	Santo Domingo.....	9.50
North America:		South America:	
Canada—		Argentina.....	13.13
Whole boxes.....	.05 per box.	Bolivia.....	1.92
Half boxes.....	.025 per box.	Brazil.....	11.83
Quarter boxes.....	.02 per box.	Chile.....	5.10
Others.....	30 per cent. ad val.	Gulana, British.....	1.00
Mexico.....	3.59	Peru.....	2.20
		Uruguay.....	14.10

VII.—SALMON.

Branches of trade.—The foreign trade in salmon is in fresh, salted, and canned salmon imported, and canned and salted salmon exported. A considerable trade is being developed in shipping fresh salmon to Europe, principally to Hamburg and London, the fish being first frozen. These shipments are made via New York and via New Zealand. The following statement shows briefly the extent of trade in these products during a series of ten years ending in 1894:

52. *Statement of the foreign trade in salmon during a series of ten years ending in 1894.*

Year ending June 30—	Imports for consumption.				Domestic exports.			Excess of exports over imports.
	Fresh salmon.	Salted salmon.	Canned salmon.	Total.	Salted salmon.	Canned salmon.	Total.	
1885.....	\$152,822	\$73,000	\$0	\$225,831	\$82,114	\$2,200,507	\$2,342,681	\$2,110,850
1886.....	144,719	40,073	3,503	191,295	43,450	1,875,109	1,918,559	1,724,204
1887.....	119,301	07,692	719	187,712	78,208	1,719,685	1,797,893	1,610,721
1888.....	77,720	08,916	1,109	147,751	61,040	1,608,815	1,669,861	1,522,110
1889.....	104,875	77,079	2,193	184,138	54,173	3,364,500	3,418,733	3,234,595
1890.....	91,022	08,102	479	159,603	69,042	3,259,344	3,328,386	3,168,783
1891.....	80,049	79,959	388	160,906	83,993	2,090,957	2,180,950	2,019,054
1892.....	105,505	00,918	88	106,511	78,680	1,738,465	1,817,145	1,050,574
1893.....	116,124	03,722	66	179,902	49,230	2,279,625	2,328,855	2,148,953
1894.....	150,163	84,442	020	241,225	58,659	1,020,197	1,084,856	843,631
Total ..	1,149,026	689,294	9,164	1,847,484	658,595	21,220,324	21,887,919	20,040,435

Imports of fresh salmon.—The principal supply of fresh salmon in the eastern markets is obtained from New Brunswick and other Canadian Provinces. The fish thus imported is the Atlantic salmon (*Salmo salar*). A few Pacific salmon, principally the chinook or quinnat salmon (*Oncorhynchus tshawytscha*), are imported from British Columbia. These imports are received principally by rail, the largest supplies entering the Maine and New York customs ports.

Prior to 1890 fresh salmon were imported free of duty, but the customs act of that year taking effect October 6, 1890, imposed a duty of three-quarters of 1 cent per pound. This duty had no appreciable effect on the quantity imported, the imports for consumption during the three years following the act averaging 1,457,702 pounds, against an average of 884,399 pounds during the three years immediately preceding it.

Table 53 shows the whole quantity and value of fresh salmon imported annually into the United States from various countries during the series of ten years ending June 30, 1894, the quantity and value entered for consumption, and the amount of duty collected during the period in which this commodity was dutiable.

According to this account, during the ten years here reported there were 12,123,613 pounds of fresh salmon, worth \$1,175,645, entered at the United States customs ports. Of these, 9,644,990 pounds, worth \$963,169, came from New Brunswick and Nova Scotia; 2,390,300 pounds, worth \$207,625, from Quebec and Ontario; 84,581 pounds, worth \$4,570, from British Columbia, and 3,635 and 107 pounds from Newfoundland and England, respectively. The total amount entered for consumption in

this country was 12,109,853 pounds, worth \$1,149,026, the duty on which during the four years in which the customs act of 1890 was operative amounted to \$36,579. The largest quantity entered for consumption during any one year was 1,891,742 pounds in 1894, and the smallest was 768,727 pounds in 1888.

53. Statement by countries of the imports of fresh salmon into the United States during each of the ten years ending June 30, 1894.

Countries from which imported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
North America:								
Nova Scotia and New Brunswick	1,081,922	\$125,459	1,118,033	\$115,563	844,392	\$81,433	993,807	\$98,187
Quebec, Ontario	254,569	27,353	308,687	29,210	259,698	25,120	230,078	21,365
Newfoundland and Labrador	50	10	100	10				
Total	1,336,541	152,822	1,422,720	144,789	1,104,090	106,553	1,223,975	119,552
Total entered for consumption	1,336,541	152,822	1,303,704	144,719	1,583,464	119,361	768,727	77,720

Countries from which imported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
North America:								
Nova Scotia and New Brunswick	865,531	\$89,727	644,120	\$67,476	{*235,361 {490,482	{\$22,710 {47,338	1,103,806	\$98,000
Quebec and Ontario	151,491	14,951	205,183	20,931	{*101,030 {16,066	{9,522 {894	75,863	6,240
British Columbia			4,660	241	{*3,700 {11,250	{85 {75	0,288	301
Newfoundland and Labrador	3,485	209						
Total	1,020,507	104,887	853,963	88,648	844,798	80,634	1,280,017	105,450
Total entered for consumption	1,011,456	104,875	873,014	91,022	{*341,000 {503,940	{32,327 {48,322	1,242,760	105,565
Amount of duty						3,780		9,321

Countries from which imported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
England	107	\$52			107	\$52
North America:						
Nova Scotia and New Brunswick	1,017,846	100,405	1,242,040	\$115,971	9,644,980	963,109
Quebec and Ontario	155,902	12,028	645,824	39,990	2,390,300	207,625
British Columbia	64,811	3,039	3,872	210	84,581	4,570
Newfoundland and Labrador					3,635	229
Total	1,238,606	116,124	1,892,336	156,186	12,123,013	1,175,645
Total entered for consumption	1,238,605	116,124	1,891,742	156,103	12,100,853	1,149,026
Amount of duty		9,290		14,188		36,579

* Free of duty.

† Dutiable.

Trade in salted salmon.—Little difference exists between the quantity of pickled or salted salmon imported for consumption and the extent of the domestic exports. The value of the former during the ten years ending June 30, 1894, was \$689,294, and the domestic exports during the same period were valued at \$658,595. A statement of the imports for consumption of salted salmon from 1869 to 1894, inclusive, is given in Table 10, on page 447, and the exports since 1883 are noted in Table 24, on page 468.

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The pickled or salted salmon imported into the United States come principally from Nova Scotia, New Brunswick, Quebec, and Newfoundland. Smaller quantities are received from British Columbia, the Netherlands, England, Asiatic Russia, etc.

The accompanying table shows by countries the extent of these imports during each of the last ten years, the imports for consumption during the same period, and the duty collected thereon.

54. Statement by countries of the imports of pickled salmon into the United States during each of the ten years ending June 30, 1894.

Countries from which imported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Italy			200	\$8				
Sweden and Norway			200	10				
North America:								
Nova Scotia, New Brunswick, etc.	668,600	\$43,909	580,200	33,456	580,000	\$42,771	665,000	\$50,652
Quebec, Ontario, etc.	169,400	9,491	78,200	3,726	25,600	1,918	82,800	5,118
British Columbia			5,600	224	200	4	86,000	4,031
Newfoundland and Labrador								
	336,400	22,589	248,000	11,390	335,600	24,305	178,400	13,610
Total	1,174,400	75,989	912,400	48,814	941,400	68,998	1,012,800	73,411
Total entered for consumption								
Amount of duty	1,124,254	73,000 22	870,510	46,073 8,795	917,560	67,092 9,176	934,615	68,916 9,346

Countries from which imported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
England	2,800	\$195			2,000	\$178		
Italy							406	\$27
Netherlands	12,600	924						
North America:								
Nova Scotia, New Brunswick, etc.	580,200	47,123	350,600	\$32,074	451,400	41,405	481,000	34,114
Quebec, Ontario, etc.	7,600	583	44,200	2,203	38,839	2,479	16,941	1,031
British Columbia	18,200	860	600	36	200	5		
Newfoundland and Labrador	406,200	28,781	393,800	32,836	461,480	36,245	362,600	24,646
Total	1,027,600	78,416	789,200	67,140	953,919	80,312	860,847	60,418
Total entered for consumption								
Amount of duty	992,505	77,070 9,925	797,850	68,102 7,979	967,094	79,950 9,671	878,362	60,918 8,784

Countries from which imported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
England					4,800	\$373
Italy	69	\$5	11	\$1	806	41
Netherlands					12,600	924
Sweden and Norway	35	8			235	18
North America:						
Nova Scotia, New Brunswick, etc.	467,057	36,095	536,520	36,182	5,362,077	397,781
Quebec, Ontario, etc.	44,000	2,768	2,658	217	509,238	30,134
British Columbia	5,478	291	149,410	17,592	265,688	23,043
Newfoundland and Labrador	358,428	24,055	405,407	30,396	3,486,315	248,803
Asia:						
Hongkong			1,200	29	1,200	29
Russia			11,875	298	11,875	298
Total	875,067	63,222	1,107,081	84,715	9,654,714	701,444
Total entered for consumption						
Amount of duty	908,113	63,722 9,081	1,101,502	84,442 11,015	9,601,355	680,204 83,794

Trade in canned salmon.—Practically all the canned salmon of the world are produced on the Pacific Coast of the North American continent. The extent of the product along each section of that coast for the four years, 1889, 1890, 1891, and 1892 is shown in the following table:

55. *Statement of the yield of canned salmon on the west coast of North America during the years 1889, 1890, 1891, and 1892.*

Localities.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Alaska	28, 770, 912	\$2, 996, 070	30, 779, 552	\$2, 029, 491	38, 827, 584	\$3, 235, 032	22, 510, 360	\$1, 969, 674
British Columbia ..	20, 122, 128	2, 414, 655	19, 805, 992	2, 387, 519	15, 170, 592	1, 517, 061	11, 928, 576	1, 043, 750
Washington	10, 129, 584	1, 050, 790	8, 094, 288	874, 784	8, 957, 136	951, 999	11, 460, 384	1, 163, 590
Oregon	11, 874, 192	1, 372, 070	15, 012, 024	1, 743, 111	13, 827, 792	1, 596, 904	18, 835, 328	2, 985, 072
California	8, 708, 960	361, 934	1, 465, 020	141, 690	599, 004	58, 980	762, 432	75, 696
Total	74, 605, 776	8, 197, 028	75, 848, 376	8, 528, 470	77, 383, 008	7, 360, 586	65, 497, 080	7, 237, 782

The principal markets for canned salmon are San Francisco and London, the former being the general shipping port, while London is the center of distribution throughout the world. Of the 28,781,661 pounds of canned salmon exported from this country in 1890, 23,740,740 pounds were sent to England for distribution. The shipments from the principal customs districts were as follows: San Francisco, 21,638,144 pounds; Oregon, 6,382,272 pounds; New York, 627,623 pounds; Puget Sound, 85,930 pounds; the shipments from all the remaining ports aggregating only 47,692 pounds. Of the 10,727,010 pounds exported in 1894, England received 7,720,747 pounds, the shipments from the principal ports being as follows: San Francisco, 6,770,108 pounds; Puget Sound, 1,325,326 pounds; Philadelphia, 1,038,087 pounds; New York, 746,581 pounds, and Oregon, 622,848 pounds.

Small quantities of canned salmon are each year imported into this country for consumption. The extent of these imports is so inconsiderable that they have no effect on the canned-salmon trade in the United States. During the ten years ending June 30, 1894, the value of these imports amounted to only \$9,157, as shown in Table 11.

Table 56 shows the exports of canned salmon to various countries during the ten years ending June 30, 1894. Of the \$21,229,324 worth of salmon exported during this period, \$17,152,152, or 81 per cent, went to England; \$2,587,972, or 12 per cent, to Australia; the exports to all other ports being only \$1,489,200, or 7 per cent. It appears that the exports reached a maximum in 1889 and 1890, when they exceeded 28,000,000 pounds each year. The extensive product during these and the preceding years resulted in overstocking the market to such an extent that at the opening of the fishing season of 1891 it was reported that 400,000 cases of canned salmon were in London warehouses. This naturally resulted in decreasing the product of the canneries and the exports during the following years; and to the overstocked condition of the markets is almost entirely due the small quantity exported in 1894.

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56. Statement by countries of the exports of canned salmon during the ten years ending June 30, 1894.

Countries to which exported.	1885.		1886.		1887.		1888.		
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	
Europe:									
Belgium		\$12,745				72	\$6	48	\$9
France		24,058		\$4,541		3,128	330		
Germany		317		471		2,008	353	6,384	981
Italy		51		130		162	22		
Netherlands						92	15		
United Kingdom—									
England	1,086,375		1,441,456		11,095,345	1,254,875	10,282,760	1,218,956	
Scotland	2		288		12,082	1,096			
Total Europe	1,723,548		1,446,880		12,014,089	1,257,297	10,289,212	1,219,940	
North America:									
Canada—									
Quebec, Ontario, etc	24,897		23,980		16,250	1,625	327,225	34,100	
British Columbia			51		108,142	10,584	858	81	
Mexico	6,334		4,160		56,940	6,466	69,403	8,175	
Central America—									
Costa Rica	1,030		912		18,213	2,064	34,134	4,268	
Guatemala	1,350		1,193		2,612	335	3,188	384	
Honduras	630		558		1,212	146	3,011	400	
Nicaragua	1,050		929		16,750	1,975	24,260	3,136	
Salvador	85		75				1,777	205	
British Honduras	722		994		7,780	1,047	5,130	783	
West Indies—									
British	4,775		5,400		83,925	10,653	65,750	9,078	
Danish	210		171		2,537	324	3,072	483	
Dutch	1,213		1,032		9,651	1,237	7,110	1,043	
French	47		150		102	22	348	52	
Haiti	577		132		304	34	866	122	
Santo Domingo	231		234		1,572	217	480	70	
Spanish—									
Cuba	841		224		2,670	334	912	140	
Puerto Rico	200		470		144	17	432	73	
Total North America	44,192		40,665		328,909	37,080	547,062	62,608	
South America:									
Argentina	2,894		998		21,716	2,606	30,702	5,116	
Bolivia							960	168	
Brazil	147		432		7,354	892	8,108	1,167	
Chile	11,763		8,374		41,720	5,291	33,676	4,920	
Colombia	18,542		17,165		185,754	22,183	120,627	16,034	
Ecuador					26,968	3,404	25,928	4,240	
Guianas—									
British	2,843		1,811		54,832	6,854	30,480	4,371	
Dutch	90		169		1,248	175			
French	116		188		240	31	912	130	
Peru	890		3,528		9,600	1,080	7,864	1,163	
Uruguay	80		129		480	72	336	42	
Venezuela	4,277		3,113		25,119	3,260	40,485	5,622	
Total South America	41,642		35,007		375,031	45,038	300,078	42,979	
Asia and Oceania:									
China	3,035		1,770		2,100	216	3,876	446	
Hongkong	8,039		6,869		57,744	6,418	93,220	11,445	
Japan	2,480		4,044		9,700	1,035	8,164	910	
British Australasia	383,992		290,857		3,030,453	327,180	2,008,145	242,500	
British East Indies	2,824		856		11,048	1,341	3,520	514	
Hawaiian Islands	20,724		21,575		111,953	11,787	110,121	12,362	
Total Asia and Oceania	421,094		325,971		3,222,998	347,977	2,227,046	268,186	
Africa:									
British Africa	585		2,083		27,280	3,580	39,665	5,741	
Liberia	57		24		96	11	430	60	
Spanish Africa	30		90						
Total Africa	672		3,097		27,376	3,591	40,101	5,801	
All other islands and ports	20,410		22,583		260,760	27,802	80,167	9,295	
Grand total	20,550,609	2,260,567	17,040,445	1,875,109	16,220,163	1,710,685	13,484,566	1,608,815	

56. Statement by countries of the exports of canned salmon during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Azores, and Madeira Islands			90	\$5				
Belgium					900	\$110	1,850	\$245
France	9,000	\$1,500	12,950	1,971	152,178	17,099	37,300	4,150
Germany	8,040	1,079	25,560	3,217	14,178	1,794	10,896	1,259
Italy	1,240	184	48	10	144	20	2,280	318
Netherlands							1,248	143
United Kingdom—								
England	24,841,304	2,942,937	23,740,740	2,678,691	19,397,441	1,792,938	15,452,993	1,465,738
Scotland					1		135	19
Total	24,860,244	2,945,700	23,779,400	2,683,895	19,504,841	1,811,970	16,500,702	1,471,872
North America:								
Canada—								
British Columbia	110,550	5,300	75,970	6,092	7,200	750	300	24
Newfoundland and Labrador	300	45						
Mexico	61,518	7,376	59,250	6,740	47,031	5,402	73,489	8,091
Central America—								
Costa Rica	34,286	4,223	39,960	4,668	96,966	10,282	16,813	1,816
Guatemala	8,086	964	6,275	711	5,646	625	12,454	1,324
Honduras	4,305	562	2,339	299	4,400	475	3,670	422
Nicaragua	16,491	2,156	13,784	1,640	32,510	3,904	14,827	1,441
Salvador	1,950	220	2,856	320	1,943	219	3,500	365
British Honduras	11,787	1,604	6,640	706	12,700	1,488	13,177	1,567
Bermuda							20,685	2,519
West Indies—								
British	88,592	13,053	77,792	10,223	112,521	13,609	79,791	9,251
Danish	2,889	432	1,005	170	2,765	368	1,810	212
Dutch	5,304	755	5,298	763	7,687	970	8,281	1,016
French	1,402	225	264	34	5,213	552	1,226	137
Haiti	482	77	1,700	253	989	139	936	107
Santo Domingo	1,104	174	1,440	229	2,192	366	1,200	159
Spanish—								
Cuba	3,024	482	5,010	903	5,148	779	19,184	2,292
Puerto Rico	624	98	4,002	643	528	85	2,160	270
Total	361,694	37,746	303,287	34,403	345,409	40,073	273,593	31,013
South America:								
Argentina	39,008	6,113	49,715	7,245	6,884	995	600	70
Bolivia			1,200	145				
Brazil	2,172	321	3,098	528	6,246	824	3,854	422
Chile	67,716	9,602	86,952	10,598	189,672	18,911	219,208	21,363
Colombia	75,890	10,425	14,042	1,947	20,237	2,952	24,332	2,869
Ecuador	10,852	2,286	35,094	4,108	102,690	8,229	7,782	880
Guianas—								
British	39,768	5,721	43,263	5,633	43,020	4,781	36,288	3,834
Dutch	1,460	215	3,853	542	3,216	438	4,904	551
French	1,834	239	1,260	140	280	30	432	42
Peru	18,389	2,824	13,698	2,089	19,320	2,419	53,540	4,917
Uruguay	2,446	394	624	100	3,600	555	96	14
Venezuela	35,717	5,581	45,041	6,370	44,924	5,774	43,013	4,891
Total	300,778	43,721	298,740	39,541	440,089	45,908	394,089	39,889
Asia and Oceania:								
China	5,080	573	2,660	293	4,030	441	3,210	337
Hongkong	135,423	16,349	194,530	21,380	141,405	14,501	81,440	8,308
Japan	19,929	2,429	7,500	828	11,950	1,269	3,740	382
British Australasia	2,322,468	270,316	3,768,460	429,367	1,479,470	140,835	1,036,200	152,979
British East Indies	53,430	6,594	28,000	3,170	18,280	1,801	19,680	1,959
French Oceania			48,800	5,530	44,755	4,743	65,918	6,758
Hawaiian Islands	139,184	15,278	101,690	20,435	239,830	25,408	173,860	17,975
Total	2,675,514	311,539	4,241,700	481,009	1,930,780	189,078	1,984,048	198,698
Africa:								
British Africa	102,832	15,234	87,735	13,477	41,508	6,429	39,193	5,238
Liberia	336	44	96	11	48	8	90	14
Spanish Africa	240	44	144	27	768	107		
Total	103,408	15,322	87,975	13,615	42,324	6,544	39,289	5,252
All other islands and ports	91,502	10,532	70,559	6,981	34,692	3,384	17,394	1,741
Grand total	28,393,140	3,364,560	28,781,601	3,250,344	22,367,225	2,096,957	18,215,025	1,738,465

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56. *Statement by countries of the exports of canned salmon during the ten years ending June 30, 1894—Continued.*

Countries to which exported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
Azores, and Madeira Islands.....			144	\$18		\$23
Belgium.....	2,800	\$324	540	61		13,509
France.....	4,550	480	280	28		54,157
Germany.....	1,082	158	8,445	1,218		10,847
Italy.....	2,800	325	3,264	384		1,444
Netherlands.....	48	7				165
United Kingdom—						
England.....	18,867,748	1,958,169	7,720,747	-712,017		17,152,152
Scotland.....	12,000	1,400	1,440	170		3,585
Total Europe.....	18,891,118	1,960,863	7,734,860	713,906		17,235,882
North America:						
Canada—						
Quebec, Ontario, etc.....						84,602
British Columbia.....	270,480	15,080	24,150	1,508		39,468
Miquelon, Langley, etc.....			1,800	175		175
Newfoundland and Labrador.....			288	28		73
Mexico.....	83,759	9,024	59,625	5,986		67,763
Central America—						
Costa Rica.....	38,748	4,313	37,271	3,701		37,367
Guatemala.....	15,178	1,597	10,015	1,047		9,530
Honduras.....	2,722	293	2,743	279		4,064
Nicaragua.....	11,403	1,166	13,255	1,329		18,726
Salvador.....	6,840	699	2,730	284		2,472
British Honduras.....	14,689	1,548	9,791	1,019		11,478
Bermuda.....	22,975	2,800	20,759	2,504		7,823
West Indies—						
British.....	113,456	12,380	185,459	10,199		107,681
Danish.....	5,266	572	4,404	469		3,411
Dutch.....	5,832	677	5,265	612		9,318
French.....	3,390	364	1,110	117		1,700
Haiti.....	648	85	660	78		1,604
Santo Domingo.....	944	110	2,048	212		2,008
Spanish—						
Cuba.....	13,872	1,630	12,596	1,418		9,052
Puerto Rico.....	1,004	128	1,248	137		2,121
Total North America.....	611,216	52,466	395,017	40,100		420,436
South America:						
Argentina.....	36,030	3,984	30,010	3,283		33,394
Bolivia.....						313
Brazil.....	84,461	9,497	89,759	9,501		23,731
Chile.....	135,420	14,201	43,984	4,575		109,598
Colombia.....	33,548	3,818	25,352	2,058		98,893
Ecuador.....	45,975	5,124	19,490	2,084		30,457
Guianas—						
British.....	87,020	9,232	111,070	11,184		56,264
Dutch.....	5,068	589	10,176	1,033		3,802
French.....						916
Peru.....	7,200	899	11,528	1,435		21,274
Uruguay.....	1,584	190	12,520	1,486		3,062
Venezuela.....	47,736	5,126	31,577	3,291		47,311
Total South America.....	485,032	52,660	385,475	40,830		429,015
Asia and Oceania:						
China.....	7,256	708	4,305	448		8,327
Hongkong.....	95,430	9,805	85,520	8,081		111,855
Japan.....	1,700	180	8,870	915		14,472
British Australasia.....	1,048,770	170,428	1,707,810	179,489		2,587,972
British East Indies.....	30,170	3,130	49,200	5,056		27,251
French Oceania.....	57,465	5,893	80,850	8,323		31,247
Hawaiian Islands.....	151,380	15,561	199,469	20,364		181,469
Total Asia and Oceania.....	1,992,171	205,765	2,135,824	223,276		2,962,593
Africa:						
British Africa.....	37,386	4,480	19,142	2,126		59,873
Liberia.....			760	78		307
Spanish Africa.....						298
Total Africa.....	37,386	4,480	19,902	2,204		60,478
All other islands and ports.....	84,220	3,391	55,932	5,792		120,920
Grand total.....	22,052,043	2,270,625	10,727,010	1,026,197	107,840,887	21,229,824

Import duties on canned salmon.—The rates of duty imposed in various foreign countries on canned salmon imported therein are shown in the appended compilation. The rate in the United States is 20 per cent ad valorem.

57. *Statement showing approximately the rates of import duty in various countries on canned salmon.*

Countries.	Duty per 100 pounds.	Countries.	Duty per 100 pounds.
Europe:		West Indies—Continued.	
Austria-Hungary.....	\$5. 80	Haiti.....	\$9. 65
Belgium.....	Free.	Jamaica.....	8 p. ct. ad val.
Denmark.....	3. 96	Martinique.....	1. 40
Franco.....	2. 10	San Domingo.....	6. 33
Germany.....	6. 48	South America:	
Great Britain.....	Free.	Argentina.....	13. 13
Italy.....	2. 63	Bolivia.....	1. 10
Netherlands.....	4. 56	Brazil.....	11. 88
Norway.....	4. 80	Chile.....	3. 19
Sweden.....	3. 65	Colombia.....	4. 41
Switzerland.....	1. 39	British Guiana.....	Free.
North America:		Peru.....	2. 04
Canada.....	25 p. ct. ad val.	Uruguay.....	14. 10
Mexico.....	3. 59	Venezuela.....	6. 57
Central America:		Africa:	
Costa Rica.....	1. 54	Cape Colony.....	2. 00
Guatemala.....	5. 51	Asia and Oceania:	
Honduras.....	3. 73	Japan.....	5 p. ct. ad val.
Nicaragua.....	3. 26	New South Wales.....	2. 06
Salvador.....	4. 40	New Zealand.....	4. 12
British Honduras.....	10 p. ct. ad val.	Queensland.....	4. 12
West Indies:		Tasmania.....	12½ p. ct. ad val.
Cuba.....	. 76	South Australia.....	4. 12
Dutch West Indies.....	1¼ p. ct. ad val.	Victoria.....	20 p. ct. ad val.
Guadaloupe.....	3. 48	French Oceania.....	. 73

VIII.—OYSTERS.

Origin and extent of export trade.—In this branch of trade with foreign countries the United States acts as a producer entirely, no oysters whatever being imported into this country. The exported product is probably about evenly divided between fresh and canned oysters, although the form of the customs returns does not permit a separation of the two classes.

The export trade is divided into three branches, viz, the shipment (1) of canned oysters, (2) of shucked oysters in tubs, etc., and (3) of barreled oysters.

The exportation of canned oysters began about 1864, and increased until about 1875, since which year it has been quite constant.

The foreign trade in shucked oysters in kegs and barrels has been confined largely to Canada, Mexico, Cuba, and other countries conveniently located, and originated with the development of the oyster trade in this country and the establishment of facilities for shipping to those countries.

The barrel trade in shell oysters has been almost entirely from New York to Liverpool, only those oysters produced between New Haven, Conn., and Barnegat, N. J., being utilized. This trade began about

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1870, and the returns made by the English brokers permit the presentation of the following compilation, showing the number of barrels of shell oysters shipped from the United States to Europe each season since 1878:

58. *Statement of the exports of American oysters in barrels to Europe during each year from 1879 to 1894, inclusive.*

Year ending June 30—	Barrels.
1879	50, 063
1880	67, 116
1881	70, 768
1882	65, 012
1883	64, 437
1884	71, 021
1885	98, 802
1886	98, 802
1887	98, 897
1888	100, 906
1889	99, 123
1890	103, 109
1891	122, 163
1892	98, 802
1893	109, 657
1894	68, 066
	75, 428

The customs returns show the domestic value of the oysters exported from 1864 to 1894, inclusive, to have been \$13,768,267. During the last ten years little variation has occurred, as may be observed in the statement showing the value of the oysters exported annually since 1863, as given in Table 20 on pages 464-465.

The principal exports of oysters are made to England, Quebec, and Ontario, those countries receiving about nine-tenths of the total quantity exported. The shipments are made chiefly from the customs districts of New York, Buffalo, Champlain, Baltimore, and Vermont. Of the \$688,653 worth exported in 1894, \$440,130 were consigned to England and \$159,920 to Quebec and Ontario. The shipments through New York aggregated \$459,048; Buffalo, \$91,435; Champlain, \$40,125, and through Baltimore, \$38,413.

Table 59 gives the values of oysters exported to the various countries during a series of ten years ending June 30, 1894. This table shows that during the period indicated the exports to Europe were valued at \$5,520,830, or 73 per cent of the whole; to British North America, \$1,204,743, or 16 per cent; to the remaining portions of the American continent, \$622,731, or 8 per cent, and all other countries, \$238,480, or 3 per cent. The value of the exported oysters was greatest in 1888, reaching a total of \$858,652; the smallest value during any year herein reported was \$625,079 in 1893.

59. Statement by countries of the exports of oysters during each of the ten years ending June 30, 1894.

Countries to which exported.	1885.	1886.	1887.	1888.	1889.
Europe:					
Belgium.....	\$91	\$6	\$20	\$80	\$366
Denmark.....	31	.....	5	49	55
France.....	525	599	412	537	4,866
Germany.....	12,506	10,610	14,873	23,221	4,140
Italy.....	.....	37	128	.....	.....
Netherlands.....	723	39	30	9	8
Portugal.....	.....	.....	.....	31	282
Spain.....	.....	4	94	36	63
Sweden and Norway.....	.....	.....	.....	34	.....
United Kingdom—					
England.....	512,115	518,469	533,471	585,792	570,836
Scotland.....	9,103	7,838	8,751	10,177	9,517
Total Europe.....	535,084	537,611	557,784	625,965	500,142
North America:					
Canada—					
Nova Scotia, New Brunswick, etc.....	5,294	3,581	3,717	3,427	3,084
Quebec, Ontario, etc.....	101,507	96,762	86,199	116,235	113,939
British Columbia.....	6,081	4,980	5,574	5,941	7,405
Newfoundland and Labrador.....	176	434	126	196	209
Mexico.....	6,766	5,928	7,861	9,785	8,580
Central America—					
Costa Rica.....	750	803	684	2,523	1,585
Guatemala.....	780	845	398	613	765
Honduras.....	302	323	62	382	285
Nicaragua.....	187	200	611	1,416	2,700
San Salvador.....	97	104	33	461	591
British Honduras.....	619	472	630	441	590
West Indies—					
British.....	2,368	2,884	3,967	3,620	2,440
Danish.....	221	243	342	362	413
Dutch.....	394	493	396	470	360
French.....	28	43	10	4	2
Haiti.....	260	381	324	312	239
Santo Domingo.....	643	138	232	104	436
Spanish—					
Cuba.....	5,146	5,358	5,986	4,447	4,646
Puerto Rico.....	219	367	257	301	650
Total North America.....	131,838	134,330	117,718	151,348	148,718
South America:					
Argentina.....	14,120	9,768	14,308	21,165	27,673
Bolivia.....	.....	.....	.....	72	.....
Brazil.....	1,371	892	2,513	1,097	957
Chile.....	2,502	5,079	5,039	5,503	6,229
Colombia.....	3,822	3,993	4,361	3,460	3,030
Ecuador.....	.....	.....	1,421	2,601	2,552
Gulanas—					
British.....	294	582	530	711	223
French.....	.....	10	.....	.....	.....
Peru.....	670	494	67	827	817
Uruguay.....	5,530	3,385	4,082	6,034	7,110
Venezuela.....	2,700	2,829	2,384	2,600	3,619
Total South America.....	31,069	27,038	35,398	44,010	52,410
Asia and Oceania:					
China.....	70	87	.....	11	84
Hongkong.....	167	672	290	152	140
Japan.....	30	217	.....	83	131
British Australasia.....	11,043	20,977	11,638	20,568	32,859
British East Indies.....	37	29	25	80	.....
Hawaiian Islands.....	4,512	7,990	9,394	5,735	7,183
Total Asia and Oceania.....	15,865	38,972	21,347	32,029	40,403
Africa:					
British Africa.....	917	402	1,287	.....	1,720
Liberia.....	.....	8	.....	6	10
Spanish Africa.....	30	.....	20	3,570	17
Total Africa.....	347	410	1,307	3,576	1,747
All other islands and ports.....	1,406	3,649	419	1,324	751
Grand total.....	715,619	732,019	733,973	858,052	834,171

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59. Statement by countries of the exports of oysters during each of the ten years ending June 30, 1894—Continued.

Countries to which exported.	1890.	1891.	1892.	1893.	1894.	Total.
Europe:						
Belgium.....	\$739	\$464	\$218	\$120	\$490	\$2,600
Denmark.....		842	371	30	565	1,448
France.....	326	208	822	533	400	0,234
Germany.....	5,727	8,023	6,204	5,820	6,452	98,194
Italy.....			87	8		280
Netherlands.....	46	812	151	65	58	1,941
Portugal.....	109	24				439
Spain.....	12					209
Sweden and Norway.....		312	80		119	545
United Kingdom—						
England.....	614,006	612,659	550,499	391,623	440,130	5,329,600
Scotland.....	8,321		5,081	3,794	5,858	74,440
Ireland.....			1,920			1,920
Total Europe.....	629,288	623,444	565,433	401,993	454,078	5,520,830
North America:						
Canada—						
Nova Scotia, New Brunswick, etc.....	4,593	5,734	6,169	7,947	6,767	50,293
Quebec, Ontario, etc.....	112,767	96,339	78,190	118,891	159,920	1,080,749
British Columbia.....	9,646	13,899	6,952	4,370	6,794	71,642
Newfoundland and Labrador.....	170	114	334	95	205	2,059
Mexico.....	8,543	15,729	9,701	7,337	13,344	93,574
Central America—						
Costa Rica.....	1,502	1,295	1,082	1,550	944	12,718
Guatemala.....	662	558	1,205	729	369	6,984
Honduras.....	116	345	200	179	325	2,528
Nicaragua.....	1,807	2,254	691	550	957	11,673
San Salvador.....	461	392	812	508	160	3,529
British Honduras.....	221	224	87	208	119	3,620
Bermuda.....			975	1,147	647	2,769
West Indies—						
British.....	1,857	2,525	2,135	1,954	2,041	25,809
Danish.....	380	191	187	215	276	2,839
Dutch.....	318	537	518	427	228	4,150
French.....	47	102	32	6	7	281
Haiti.....	340	440	394	442	303	3,444
Santo Domingo.....	652	427	174	108	258	3,262
Spanish—						
Cuba.....	4,331	5,150	13,035	11,841	9,248	69,788
Puerto Rico.....	272	414	513	342	412	3,647
Total North America.....	148,694	146,678	124,055	158,846	203,324	1,455,358
South America:						
Argentina.....	12,800	5,264	2,084	12,842	4,799	124,853
Bolivia.....	100			250		422
Brazil.....	1,319	1,351	615	1,615	3,345	15,075
Chile.....	3,553	1,965	3,510	4,018	800	38,190
Colombia.....	955	1,595	893	1,187	649	23,945
Ecuador.....	1,066	1,244	1,028	1,143	1,194	12,249
Guianas—						
British.....	916	1,564	571	719	385	6,504
Dutch.....	6			111	61	178
French.....						16
Peru.....	1,013	647	522	583	947	6,587
Uruguay.....	4,750	2,659	943	3,939	657	39,689
Venezuela.....	3,819	6,460	2,767	2,823	1,321	31,582
Total South America.....	30,297	22,749	12,933	29,228	14,158	299,290
Asia and Oceania:						
China.....	116		142	15	1,073	1,598
Hongkong.....	395	24	31			1,877
Japan.....	40	59				572
British Australasia.....	15,440	11,723	32,996	28,823	10,163	211,226
British East Indies.....	44	90	90	7		322
French Oceania.....	279	162	138	160		638
Hawaiian Islands.....	9,751	9,959	7,910	5,186	5,206	72,826
Total Asia and Oceania.....	26,077	21,927	41,307	34,090	16,442	289,059
Africa:						
British Africa.....	2,586	1,050	427	866	608	9,263
Liberia.....	15	10	106			155
Spanish Africa.....	4	132				3,773
Total Africa.....	2,605	1,192	533	866	608	13,191
All other islands and ports.....	280	1,118	10	56	43	9,056
Grand total.....	837,239	817,108	744,271	625,079	688,653	7,686,784

Import duties on oysters in various countries.—The following compilation shows approximately the rates of duty exacted in various foreign countries on oysters imported therein:

60. *Comparative statement of the approximate rates of duty exacted in various countries on oysters imported therein.*

Countries.	Condition.	Duty per 100 pounds.
Europe:		
Austria-Hungary.....	Not prepared	\$3.62
	In cans, hermetically sealed.....	5.80
Belgium.....		Free.
Denmark.....	Fresh.....	Free.
	Preserved or spiced.....	1.70
	In cans, hermetically sealed.....	3.96
France.....	Fresh, young.....	Free.
	Fresh, other.....	\$0.29 per 1,000 in number.
	Pickled or preserved.....	.44
Germany.....	Fresh.....	5.30
	Preserved.....	0.48
Great Britain.....	All kinds.....	Free.
Greece.....	Fresh.....	Free.
	Preserved.....	3.40
Italy.....	Fresh.....	Free.
	Preserved.....	2.63
Netherlands.....	Preserved in tins.....	4.56
Portugal.....	Shellfish.....	.29
Russia.....	Hermetically sealed.....	5.38
Spain.....	Cultivated.....	.26
	Uncultivated.....	.70
Sweden.....		Free.
Switzerland.....	Fresh.....	2.62
North America:		
Canada.....	Opened, in bulk.....	\$0.10 per gallon.
	In the shell.....	25 p. ct. ad val.
	Canned, 1-pint cans.....	\$0.03 per can.
	Canned, 1-quart cans.....	\$0.05 per can.
	In the shell.....	Free.
Newfoundland.....	Fresh.....	Free.
Mexico.....	Canned.....	3.59
Central America:		
Costa Rica.....	Preserved in cans or otherwise.....	1.54
Guatemala.....	Preserved in any form.....	5.29
Honduras.....	Canned.....	3.73
Nicaragua.....	Preserved.....	1.86
Salvador.....	Canned.....	4.40
British Honduras.....	Fresh.....	Free.
West Indies:		
Barbados.....	Fresh or in cans.....	Free.
Cuba.....	Fresh or canned.....	.76
Dutch West Indies.....	All forms.....	1½ p. ct. ad val.
Guadaloupe.....		1.31
Haiti.....	Pickled, in kegs or pots.....	\$0.18 per keg.
Jamaica.....	Canned.....	8 p. ct. ad val.
	Fresh.....	Free.
Puerto Rico.....	Fresh or preserved.....	.88
Santo Domingo.....	However packed.....	2.82
South America:		
Argentina.....		3.04
Bolivia.....	Canned.....	1.10
Brazil.....	Fresh.....	1.00
	Canned.....	17.33
Chile.....	In water, in tin, etc.....	8.60
Colombia.....	Fresh.....	1.10
	Canned.....	4.41
Guiana, British.....	Fresh and canned.....	Free.
Peru.....	Canned.....	2.04
Uruguay.....	Including packages.....	14.10
Venezuela.....	Canned.....	0.57
Africa:		
Cape Colony.....		Free.
Asia and Oceanica:		
Japan.....		5 p. ct. ad val.
Ceylon.....		1.03
New South Wales.....		Free.
New Zealand.....	Preserved.....	4.12

IX.—LOBSTERS AND OTHER CRUSTACEANS.

Imports of canned lobsters.—The foreign trade in lobsters consists entirely of imports, no domestic lobsters being exported from this country. The imports comprise canned and fresh lobsters, nearly all of which come from the British North American Provinces.

Prior to 1870 almost the entire product of canned lobsters was prepared in the United States, but the growing scarcity and increased price of these crustacea on the Maine coast resulted during 1870 in the establishment of numerous canneries in the British Provinces by New England capitalists. The number of these canneries has greatly increased, and they now furnish nearly the whole supply of this product, the present yield of canned lobsters in the Dominion of Canada being equivalent to about 13,000,000 one-pound cans, with a valuation of \$1,800,000. The annual product in the United States is only about 1,250,000 one-pound cans, worth \$180,000. As the consumption is about 5,250,000 cans each year, the importation of 4,000,000 cans is necessary to supply the markets.

Table 61 shows the quantities and values of canned lobsters imported and the quantities and values imported for consumption during a series of ten years ending June 30, 1894, and the average value per pound of those entered for consumption, the difference between the imports and the imports for consumption representing exports of foreign canned lobsters from this country:

61: *Table of the imports, imports for consumption, and average value per pound of canned lobsters during a series of years.*

Year ending June 30—	Imports.		Imports for consumption.		
	Pounds.	Values.	Pounds.	Values.	Average values per pound.
1885	4, 212, 745	\$429, 700	3, 523, 032	\$357, 730	\$0. 102
1886	3, 350, 257	338, 982	2, 487, 045	252, 054	. 101
1887	4, 434, 829	337, 047	3, 549, 197	287, 901	. 076
1888	4, 827, 730	429, 608	4, 511, 153	412, 863	. 089
1889	5, 390, 979	517, 534	5, 457, 862	522, 547	. 096
1890	4, 940, 434	568, 150	4, 934, 049	568, 150	. 115
1891	7, 324, 106	906, 782	7, 309, 122	966, 008	. 132
1892	4, 197, 632	604, 052	3, 883, 248	561, 778	. 145
1893	4, 113, 913	589, 909	4, 212, 968	609, 741	. 145
1894	3, 898, 582	549, 049	4, 071, 397	574, 710	. 141
Total	40, 607, 207	5, 330, 873	43, 040, 273	5, 093, 482	. 116

By far the greater portion of canned lobsters imported into the United States are received from Nova Scotia. Of the 3,898,442 pounds imported during the year 1894, 3,862,162 came from Nova Scotia and New Brunswick, 35,560 from Quebec and Ontario, and 720 and 140 pounds from Newfoundland and Germany, respectively. Sometimes the Newfoundland receipts are quite large; in 1891, for instance, their value was \$87,386.

Table 62 shows the quantities and values of lobsters received from each foreign country during the ten years ending in 1894:

62. Statement of the imports of canned lobsters into the United States during each of the ten years ending June 30, 1894.

Countries from which imported.	1885.	1886.	1887.	1888.	1889.	1890.	1891.
	Values.	Values.	Values.	Values.	Values.	Values.	Values.
Europe:							
England					\$4	\$601	
Germany							\$4
Netherlands						131	
Total Europe					4	822	4
North America:							
Nova Scotia, New Brunswick, etc.	\$416, 163	\$336, 728	\$327, 092	\$403, 757	488, 709	486, 591	832, 921
Quebec, Ontario, etc.	13, 537	2, 254	0, 055	12, 694	2, 135	4, 691	46, 471
Newfoundland and Labrador				13, 217	20, 086	76, 046	87, 386
Total North America	429, 700	338, 982	337, 047	429, 668	517, 530	567, 328	966, 778
Grand total	429, 700	338, 982	337, 047	429, 668	517, 534	568, 150	966, 782

Countries from which imported.	1892.		1893.		1894.		Total.
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Values.
Europe:							
England	4, 800	\$681	36, 806	\$5, 324			\$6, 700
Germany					140	\$22	28
Italy	450	39					89
Netherlands							131
Total Europe	5, 250	720	36, 806	5, 324	140	22	6, 896
North America:							
Nova Scotia, New Brunswick, etc.	3, 974, 304	570, 133	3, 962, 674	568, 841	3, 862, 162	543, 830	4, 975, 665
Quebec, Ontario, etc.	28, 478	4, 468	58, 300	6, 368	35, 560	5, 122	106, 795
Newfoundland and Labrador	189, 600	28, 731	56, 124	9, 376	720	75	241, 517
Total North America	4, 192, 382	603, 332	4, 077, 107	584, 585	3, 898, 442	549, 027	5, 323, 977
Grand total	4, 197, 632	604, 052	4, 113, 913	589, 909	3, 898, 582	549, 049	5, 330, 873

It is much cheaper to can lobsters in the British North American Provinces than in the United States. In this country the 9-inch lobsters cost about \$1.25 per 100; the wages of men in canneries range from \$1.50 to \$2 per day, and women and boys receive from 75 cents to \$1 per day. In the Provinces the lobsters cost about 75 cents per 100; the men's wages are about \$1, while women and boys receive only about 50 cents per day. In addition to this, there is a duty on the tin in the United States, while that article is free of duty in the Provinces.

Fifteen years ago London was the principal market of the world for canned lobsters, England, France, and Germany receiving about three-fourths of the entire product. At that time the world's output amounted to about 400,000 cases of 48 one-pound cans. Comparatively few were then consumed in the United States; but the consumption has steadily increased in this country, so that while the total pack has now decreased to about 250,000 cases a year, the United States consumes about 110,000 cases, or 44 per cent of the entire yield.

Import duties in various countries.—Canned lobsters have at all times been imported into the United States free of duty, but by the tariff act of 1874 a tax of 1½ cents was imposed on each can containing this product. In 1890 this duty was reduced to 8 cents per dozen cans, to take effect July 1, 1891. The customs law of 1894 did not provide for this duty.

63. Statement of the approximate rates of duty imposed upon canned lobsters imported into various foreign countries.

Countries.	Duty per 100 pounds.	Countries.	Duty per 100 pounds.
Europe:		West Indies—Continued.	
Austria-Hungary	\$5.80	Haiti	\$9.65
Belgium	Free.	Martinique	1.40
Denmark	3.96	South America:	
France	2.19	Argentina	13.13
Germany	5.39	Brazil	11.88
Great Britain	Free.	Colombia	4.40
Greece	13.69	Guiana, British	1.00
Italy	2.63	Peru	2.64
Netherlands	4.56	Venezuela	6.57
Norway	4.80	Asia and Oceanica:	
Portugal	9.79	Japan	5 p. ct. ad val.
Russia	5.38	Philippine Islands	2.27
Sweden	4.08	Queensland	4.12
North America:		West Australia	4.12
Dominion of Canada	25 p. ct. ad val.	Victoria	12 p. ct. ad val.
Mexico	3.59	New Zealand	20 p. ct. ad val.
Central America:		Tasmania	4.12
Costa Rica	1.54	French Oceanica	12½ p. ct. ad val.
Guatemala	6.51		2.13
Nicaragua	1.80	Africa:	
Salvador	4.40	Mauritius	7½ p. ct. ad val.
West Indies:		Cape Verde Islands	20 p. ct. ad val.
Cuba .....	.76	Cape Colony, Orange Free-State, and British Bechuanaland	2.00
Dutch West Indies	1½ p. ct. ad val.		
Guadaloupe	3.48		

Fresh lobsters and shrimp and turtles.—A considerable trade has been built up during the last fifteen years in the importation of fresh lobsters from New Brunswick, Nova Scotia, and Newfoundland. These are received alive in bulk and in packages holding about 140 pounds, Boston being the principal port of entry.

The customs returns do not permit an exact statement of the importation of fresh lobsters, but combine these with fresh and dried shrimp, crawfish, and turtles. The total value of these products imported amounts to about \$210,000 annually, of which about \$185,000 represents fresh lobsters; \$20,000 shrimp, and the remaining \$5,000 turtles. The shrimp come principally from China and Hongkong, the turtles from Mexico and the West Indies. The value of the fresh lobsters and shrimp and turtles imported for consumption during each year from 1876 to 1894, inclusive, is shown in Table 7 on page 444.

Table 64 shows the value of the fresh lobsters and shrimp and turtles imported from each country during the nine years ending June 30, 1894, and the value of those imported for consumption.

64. Statement by countries of the imports of fresh lobsters and of shrimp and turtles into the United States during each of the ten years ending June 30, 1894.

Countries from which imported.	1886.	1887.	1888.	1889.	1890.
Europe:					
England	\$47	\$65	\$5	\$78	.....
France	26	63	128	14	\$48
Germany .....	.....	.....	.....	53	.....
All others	4	.....	2	9	8
Total Europe	77	128	135	154	51

64. Statement by countries of the imports of fresh lobsters and of shrimp and turtles into the United States during each of the ten years ending June 30, 1894—Continued.

Countries from which imported.	1880.	1887.	1888.	1889.	1890.
North America:					
Canada—					
Nova Scotia, New Brunswick, etc.....	\$61,669	\$62,074	\$100,315	\$112,014	\$109,176
Quebec, Ontario, etc.....	.....	.....	3	79	30
British Columbia.....	25	.....	137	12	83
Newfoundland and Labrador.....	.....	.....	.....	7,027	.....
Mexico.....	305	679	608	647	1,420
Costa Rica.....	.....	10	10	.....	472
West Indies—					
British.....	613	1,187	2,154	2,230	2,179
Dutch.....	460	642	682	287	50
Spanish—					
Cuba.....	653	404	710	353	6,095
Santo Domingo.....	65	83	65	20	.....
Total North America.....	63,790	65,870	104,634	123,578	110,455
South America:					
Colombia.....	.....	80	130	160	3
Venezuela.....	834	1,121	142	.....	.....
Total South America.....	834	1,151	272	160	3
Asia:					
China.....	1,031	1,594	3,296	3,001	10,015
Hongkong.....	225	184	121	151	1,540
Japan.....	.....	.....	38	.....	11
Total Asia.....	2,156	1,778	3,455	3,842	11,566
All other countries.....	250	25	719	.....	.....
Grand total.....	67,107	68,961	109,215	127,734	131,075
Total entered for consumption.....	64,632	76,452	105,161	123,093	125,831

Countries from which imported.	1891.	1892.	1893.	1894.	Total.
Europe:					
Austria-Hungary.....	.....	\$1,037	.....	.....	\$1,037
England.....	\$22	49	\$101	\$51	418
France.....	69	536	199	144	1,227
Germany.....	120	5	100	.....	278
All others.....	.....	.....	22	.....	40
Total Europe.....	211	1,627	422	195	3,000
North America:					
Canada—					
Nova Scotia, New Brunswick, etc.....	146,944	174,995	226,551	180,177	1,175,715
Quebec, Ontario, etc.....	13	65	173	429	792
British Columbia.....	37	6	.....	.....	250
Newfoundland and Labrador.....	.....	4	5	.....	7,036
Mexico.....	3,618	2,155	2,035	2,825	14,352
Costa Rica.....	.....	.....	970	.....	1,462
West Indies—					
British.....	3,045	1,421	2,054	2,217	17,709
Dutch.....	.....	.....	67	85	2,073
Spanish—					
Cuba.....	1,510	2,541	1,347	850	14,463
Santo Domingo.....	.....	.....	.....	.....	223
Total North America.....	155,167	181,187	233,802	186,583	1,234,075
South America:					
Colombia.....	.....	.....	.....	.....	323
Venezuela.....	.....	.....	45	75	2,217
Total South America.....	.....	.....	45	75	2,540
Asia:					
China.....	21,126	14,910	10,491	13,325	86,370
Hongkong.....	2,725	4,828	3,518	3,483	16,775
Japan.....	195	241	241	370	1,006
Total Asia.....	24,046	19,979	20,250	17,178	104,250
All other countries.....	470	545	.....	.....	2,009
Grand total.....	179,894	203,338	254,519	204,031	1,345,874
Total entered for consumption.....	180,783	207,221	255,780	199,109	1,338,162

X.—MARINE OILS.

General foreign trade in marine oils.—The decrease in exports of marine oils is largely responsible for the falling off in the extent of our foreign trade in fishery products, and the decrease in oil exports is a necessary consequence of the decline in the whale fishery. In 1876 the value of the domestic marine oil exported was \$1,802,318; in 1894 it was only \$140,851. The total value of fishery products exported during the former year was \$5,806,445, and in the latter it was but \$4,258,301. A large quantity of menhaden oil is now exported for use as a lubricant and in dressing leather, etc.

The following compilation shows for a series of twenty-six years ending June 30, 1894, the quantity and value of foreign marine oil imported into the United States, the domestic oil exported, the excess of each item over the other, and the average value per gallon of each class:

65. *Statement of the foreign trade in marine oils during the twenty-six years ending in 1894.*

Years ending June 30	Imports for consumption.		Domestic exports.		Balance of trade.		Average value per gallon.		
	Gallons.	Values.	Gallons.	Values.	Gallons.	Dollars.	Im-ports.	Ex-ports.	
1869.....	897,388	\$426,874	811,533	\$1,443,248	+	85,855	—\$1,016,374	\$0.476	\$1.778
1870.....	723,620	369,167	810,675	1,022,710	—	87,049	— 653,543	.510	1.262
1871.....	397,386	204,228	1,402,016	1,145,406	—	1,004,630	— 941,178	.514	.817
1872.....	346,183	158,504	1,865,320	1,532,438	—	1,519,137	— 1,373,934	.458	.822
1873.....	261,314	119,788	1,044,569	1,250,074	—	783,255	— 1,130,286	.458	1.197
1874.....	301,585	163,046	1,103,678	1,108,741	—	802,093	— 945,695	.541	1.005
1875.....	334,495	185,404	1,387,037	1,290,425	—	1,052,542	— 1,075,021	.554	.900
1876.....	202,192	151,249	1,960,277	1,802,318	—	1,758,085	— 1,651,069	.748	.919
1877.....	188,736	119,340	1,681,029	1,322,030	—	1,472,293	— 1,202,690	.632	.796
1878.....	377,898	211,847	1,628,386	1,212,026	—	1,250,488	— 1,090,179	.561	.744
1879.....	246,749	125,547	3,059,193	1,476,079	—	2,812,444	— 1,350,532	.509	.483
1880.....	495,775	223,130	1,505,042	836,113	—	1,009,267	— 612,974	.450	.556
1881.....	787,264	361,956	912,380	532,839	—	125,116	— 170,883	.460	.564
1882.....	553,641	270,250	1,623,989	971,942	—	1,070,348	— 701,692	.488	.598
1883.....	483,710	280,575	502,004	405,907	—	18,294	— 125,332	.580	.809
1884.....	782,301	373,773	831,984	510,089	—	49,683	— 142,316	.478	.620
1885.....	402,593	209,845	1,187,614	504,726	—	785,111	— 294,881	.521	.425
1886.....	183,599	88,811	1,364,679	511,107	—	1,181,080	— 422,296	.484	.375
1887.....	187,577	85,839	1,505,973	471,381	—	1,318,396	— 385,542	.458	.313
1888.....	55,705	92,515	1,496,501	409,845	—	1,440,796	— 317,330	1.661	.274
1889.....	387,021	105,938	582,040	197,040	—	195,019	— 91,102	.572	.396
1890.....	305,591	95,947	2,006,666	565,374	—	1,701,015	— 469,427	.314	.282
1891.....	300,159	113,775	1,467,321	401,203	—	1,167,162	— 287,428	.379	.273
1892.....	329,945	151,000	969,828	337,968	—	639,883	— 186,968	.458	.348
1893.....	922,107	285,593	205,800	92,028	+	716,307	+ 192,665	.310	.452
1894.....	588,978	184,510	294,371	140,851	+	294,607	+ 43,659	.313	.478
Total.	11,043,428	5,158,460	33,189,845	21,470,808	—	22,146,417	—16,312,348	.....	.....

The sign + indicates excess of imports over exports; — indicates excess of exports over imports.

66. Statement by countries of the foreign trade in marine oils during the ten years ending June 30, 1894.

Countries.	Imports.		Exports.		Balance of trade.		Average value per gallon.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Dollars.	Im-ports.	Ex-ports.
Europe:								
Azores, and Madeira Islands	22,733	\$5,408			+ 22,733	+ 5,408	\$0.238	
Belgium	1,125	584	37,089	\$14,253	- 35,964	- 13,669	.519	\$0.384
France	8,138	3,353	1,310,334	438,721	- 1,302,198	- 435,368	.412	.335
Germany	226,992	107,677	454,648	130,179	- 227,656	- 22,502	.474	.286
Italy			3,000	1,100	- 3,000	- 1,100		.387
Netherlands	1,651	571	15,062	7,017	- 13,411	- 6,446	.346	.400
Sweden and Norway	1,337,077	686,101			+ 1,337,077	+ 686,161	.513	
United Kingdom—								
England	84,305	47,780	3,505,300	1,331,719	- 3,420,995	- 1,283,939	.567	.380
Scotland	7,168	2,669	4,748,433	1,335,450	- 4,741,265	- 1,332,781	.372	.281
Total Europe	1,689,187	854,203	10,073,866	3,258,439	- 8,384,179	- 2,404,236	.506	.323
North America:								
Canada—								
Nova Scotia and New Brunswick	977,184	252,745	10,749	2,577	+ 966,435	+ 250,168	.259	.240
Quebec and Ontario	47,597	18,796	18,990	12,123	+ 28,007	+ 6,673	.307	.038
British Columbia	134,685	38,373	72,263	22,037	+ 62,422	+ 16,366	.284	.304
Newfoundland	571,000	180,243			+ 571,000	+ 180,243	.315	
Miquelon and Langley	15,431	3,501			+ 15,431	+ 3,501		.227
Mexico			88,452	37,311	- 88,452	- 37,311		.422
Central America			3,775	2,339	- 3,775	- 2,339		.619
West Indies	10,011	5,324	30,900	19,690	- 29,889	- 14,375	.532	.495
Total North America	1,756,508	498,982	234,129	90,056	+ 1,522,370	+ 402,926	.284	.410
South America:								
Argentina			185	138	- 185	- 138		.746
Brazil			3,127	1,839	- 3,128	- 1,839		.588
Chile			2,543	2,076	- 2,543	- 2,076		.816
Colombia			5,252	3,274	- 5,252	- 3,274		.623
Peru			12,086	4,039	- 12,086	- 4,039		.334
Uruguay			2,216	528	- 2,216	- 528		.238
Venezuela			4,378	1,244	- 4,378	- 1,244		.284
Total South America			29,787	13,138	- 29,787	- 13,138		.441
Asia and Oceania:								
China	5,430	1,000			+ 5,430	+ 1,000	.184	
Hongkong	2,293	594	118,610	44,520	- 116,323	- 43,932	.259	.376
Japan	473,549	84,881			+ 473,549	+ 84,881		.180
British Australasia	10,153	2,914	602,182	215,677	- 602,182	- 212,763	.287	.352
Hawaiian Islands			7,796	3,376	- 7,796	- 3,376		.433
Total Asia and Oceania	401,425	80,389	738,747	263,579	- 247,322	- 184,190	.182	.343
All other islands and ports	470	367	4,204	1,211	- 3,734	- 844	.781	.288
Grand total	8,937,590	1,442,941	11,080,733	3,632,423	- 7,143,143	- 2,189,482	.366	.328

NOTE.—In balance of trade, + indicates excess of imports over exports; - indicates excess of exports over imports.

Imports of marine oils.—The marine oils imported consist of three classes, viz, cod-liver oil, seal oil, and whale and fish oil. Of the imports during the last ten years, the first-named comprised 53 per cent, the seal oil 3 per cent, and the whale and fish oil the remaining 44 per cent. The following compilation shows the quantity and value of each class imported for consumption during the twenty-six years ending in 1894 and the average value per gallon.

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67. Statement of the quantities and values of marine oils imported for consumption into the United States during each year from 1869 to 1894, inclusive.

Year ending June 30—	Cod-liver oil.			Seal oil.		
	Gallons.	Values.	Average values per gallon.	Gallons.	Values.	Average values per gallon.
1869.....	2,682	\$1,234	\$.460	429,432	\$242,937	\$.566
1870.....	158,739	73,020	.460	477,050	251,929	.528
1871.....	44,513	20,476	.460	188,076	100,994	.537
1872.....	249,934	114,870	.460	306	254	.825
1873.....	198,856	94,862	.477	10	2	.200
1874.....	181,759	105,595	.581	354	173	.489
1875.....	236,579	142,310	.602	220	156	.695
1876.....	108,798	71,920	.661	20,954	23,216	1.108
1877.....	141,995	97,941	.683	410	80	.195
1878.....	207,269	179,534	.804	24,282	11,369	.463
1879.....	172,176	94,871	.550	218	89	.408
1880.....	315,910	152,441	.483	4,287	1,938	.452
1881.....	516,657	236,763	.459	100	72	.720
1882.....	302,137	162,563	.538	76,380	30,861	.404
1883.....	218,716	159,271	.733	612	550	.899
1884.....	412,135	275,078	.667	14,868	7,719	.519
1885.....	221,030	153,945	.696	2,423	1,087	.449
1886.....	115,454	67,652	.586	2,581	943	.368
1887.....	130,296	69,326	.532	4,728	2,586	.547
1888.....	165,633	78,233	.472	1,216	573	.471
1889.....	287,183	81,569	.284	1,338	670	.501
1890.....	287,555	86,476	.323	2,574	758	.294
1891.....	248,894	98,865	.397	250	97	.388
1892.....	202,959	115,577	.569	27,712	9,046	.326
1893.....	190,432	99,700	.524	54,821	18,706	.341
1894.....	299,865	99,318	.473	7,860	2,956	.376
Total.....	5,598,156	2,932,348	.....	1,343,053	709,761	.....

Year ending June 30—	Whale and fish oils.			Total.		
	Gallons.	Values.	Average values per gallon.	Gallons.	Values.	Average values per gallon.
1869.....	465,274	\$182,703	\$.393	897,388	\$426,874	\$.476
1870.....	87,837	44,218	.503	723,626	369,167	.510
1871.....	146,797	82,758	.564	397,380	204,228	.514
1872.....	95,941	43,380	.452	346,183	158,504	.458
1873.....	62,448	24,924	.399	261,314	119,788	.458
1874.....	119,472	57,278	.470	301,585	163,046	.541
1875.....	97,696	42,929	.439	334,495	185,404	.554
1876.....	72,440	56,114	.775	202,192	151,240	.748
1877.....	46,331	22,210	.479	188,736	119,340	.632
1878.....	56,347	20,944	.372	377,898	211,847	.561
1879.....	74,355	30,787	.414	246,749	125,547	.509
1880.....	175,578	68,760	.392	495,775	223,139	.450
1881.....	270,507	125,121	.463	787,264	361,950	.460
1882.....	175,122	76,826	.439	553,641	270,250	.488
1883.....	204,382	120,754	.457	483,710	280,575	.580
1884.....	355,298	90,976	.256	782,301	373,773	.478
1885.....	179,050	54,813	.306	402,503	209,845	.521
1886.....	65,584	20,216	.308	183,599	88,811	.484
1887.....	52,553	13,927	.265	187,577	85,839	.458
1888.....	54,489	13,709	.252	55,705	92,515	1.661
1889.....	98,500	23,679	.240	387,021	105,938	.274
1890.....	35,462	8,713	.246	305,591	95,947	.314
1891.....	51,015	14,813	.290	300,150	113,775	.379
1892.....	99,274	26,377	.266	329,945	151,000	.458
1893.....	676,854	167,178	.247	922,107	285,593	.310
1894.....	371,244	82,236	.222	588,978	184,510	.313
Total.....	4,249,850	1,516,352	.....	11,043,428	5,158,460	.....

These oils are received principally from Norway, Nova Scotia, Newfoundland, Japan, and Germany. During the last ten years the imports from Norway and Sweden have amounted to 1,337,077 gallons, worth \$686,161; from Nova Scotia and New Brunswick, 977,184 gallons, worth \$252,745; from Newfoundland, 571,600 gallons, worth \$180,243;

from Japan, 473,549 gallons; and from all other countries combined, 580,180 gallons, making a grand total of 3,937,590 gallons, the value of which was \$1,442,941, exclusive of import duties. The European continent furnished 1,689,187 gallons, worth \$854,203; the American continent, 1,756,508 gallons, valued at \$498,982; and Asia and Australasia, 491,425 gallons, worth \$89,389.

The greatest annual receipt during this period was 967,438 gallons in 1893, and the smallest was 181,835 in 1886, the annual average for the period being 393,759 gallons. The receipts from Europe are quite constant, none of the last eight years varying more than 35 per cent from the annual average. The imports from the British Provinces are far less regular, sometimes varying over 200 per cent from the annual average. The receipts from the Provinces in 1892 were 99,299 gallons, while in 1893 they reached 548,181 gallons, an increase of 554 per cent. In 1894 they decreased to 160,960 gallons.

Table 68 shows the imports from each country, the imports for consumption, and the amount of duties paid thereon during each of the ten years ending June 30, 1894.

68. Statement by countries of the imports of marine oils into the United States during the ten years ending June 30, 1894.

Countries from which imported.	1885.		1886.		1887.		1888.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.
Europe:								
Azores, and Madeira Islands	5,974	\$1,501	12,007	\$2,718	1,875	\$375	1,217	\$384
Belgium					50	26		
France			1,250	587	688	246		
Germany	15,852	14,061	12,038	7,508	14,494	7,569	20,038	10,994
Netherlands			39	18	25	20	34	18
Sweden and Norway	40,857	45,283	73,795	50,510	90,074	53,621	116,854	66,177
United Kingdom—								
England	5,444	6,071	9,704	6,881	3,021	2,961	13,382	8,500
Scotland			300	115				
Total Europe	74,127	66,916	109,191	68,406	121,027	64,818	151,525	86,128
North America:								
Canada—								
Nova Scotia, New Brunswick, etc	148,966	60,837	31,108	8,548	14,078	3,384	77,468	16,427
Quebec, Ontario, etc	9,704	5,470	1,763	898	1,071	606	1,347	346
British Columbia	49,348	13,932	32,175	8,578	34,051	9,067	9,002	2,800
Newfoundland and Labrador	62,011	50,912	2,585	1,568	1,868	867	1,034	347
Miquelon, Langley, etc							2,064	479
British West Indies	8,210	4,941						
Total North America	275,335	136,092	67,631	19,592	51,088	14,014	90,915	20,399
Asia:								
China			2	1	750	389		
Hongkong					1,243	281	10	23
Japan	101,265	24,832	5,010	786	170	151		
Total Asia	101,265	24,832	5,012	787	2,163	821	10	23
All other islands and ports	453	323	1	17				
Grand total	451,180	228,163	181,835	88,802	174,278	79,653	242,450	106,650
Total entered for consumption	224,030	120,168	183,599	88,811	187,577	85,839	221,077	92,514
Amount of duty	178,473	89,670		22,203		21,459		23,128

* Free of duty.

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68. Statement by countries of the imports of marine oils into the United States during the ten years ending June 30, 1894—Continued.

Countries from which imported.	1889.		1890.		1891.		1892.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.
Europe:								
Azores, and Madeira Islands			1,660	\$430				
Belgium							625	\$364
England	5,620	\$2,258	4,293	1,602	16,183	\$7,182	1,538	863
France							30	117
Germany	14,471	5,008	26,387	8,541	20,674	8,398	39,375	20,573
Netherlands	35	15	1,480	471	17	13	14	11
Sweden and Norway	109,532	44,458	147,824	56,977	218,881	93,616	161,949	95,298
Total Europe	129,658	51,739	181,654	68,021	255,785	109,326	203,601	117,199
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	164,185	29,084	67,578	12,725	35,890	7,383	90,960	24,601
Quebec, Ontario, etc.	83	50	269	132	14,705	4,405		
British Columbia	9,805	2,994			450	112	184	46
Newfoundland and Labrador								
Miquelon, Langley, etc.	130,367	27,212	11,578	2,730	13,027	3,767	8,155	1,975
British West Indies	950	190						
	210	84			216	107	1,309	192
Total North America	305,600	59,614	79,425	15,687	64,288	15,864	100,668	26,814
Asia:								
British East Indies	10,153	2,914						
China							10	3
Hongkong	606	194			192	39	132	32
Japan	9,848	1,401	6,300	1,828	250	55	2,398	426
Total Asia	20,607	4,500	6,300	1,827	442	94	2,540	461
All other islands and ports							6	20
Grand total	455,865	115,862	287,379	85,436	320,515	125,284	306,815	144,494
Total entered for consumption	387,020	105,937	305,591	95,947	300,159	113,775	329,944	151,000
Amount of duty		26,483		23,987		33,299		40,603

Countries from which imported.	1893.		1894.		Total.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.
Europe:						
Azores, and Madeira Islands					22,733	\$5,408
Belgium			450	\$104	1,125	584
France	6,008	\$2,313			8,136	3,353
Germany	39,542	13,920	24,113	11,045	226,092	107,877
Netherlands	7	10			1,051	571
Sweden and Norway	165,209	87,123	196,202	93,089	1,337,077	680,161
United Kingdom—						
England	13,017	5,879	11,203	5,523	84,305	47,780
Scotland	3,452	1,296	3,356	1,258	7,168	2,669
Total Europe	227,205	110,541	235,324	111,109	1,089,187	854,203
North America:						
Canada—						
Nova Scotia, New Brunswick, etc.	242,515	64,683	104,436	25,073	977,184	252,745
Quebec, Ontario, etc.	18,023	6,476	542	233	47,597	18,790
British Columbia	2,041	690	629	154	134,685	38,373
Newfoundland and Labrador	285,602	75,980	55,353	14,885	571,600	180,243
Miquelon, Langley, etc.			12,417	2,832	15,431	3,501
British West Indies					10,011	5,324
Total North America	548,181	147,829	173,377	43,177	1,750,508	498,982
Asia:						
British East Indies					10,153	2,914
China			4,668	607	5,430	1,000
Hongkong	110	25			2,293	594
Japan	191,852	30,746	156,456	24,656	473,549	84,881
Total Asia	191,962	30,771	161,124	25,263	491,425	89,389
All other islands and ports			10	7	470	367
Grand total	967,438	289,141	569,835	179,556	8,937,590	1,442,941
Total entered for consumption	922,105	285,592	568,977	184,510	8,828,552	1,413,069
Amount of duty		87,099		61,810		362,489

Exports of marine oils.—The marine oils exported are classified as sperm oil and whale and fish oil. The extent of the export trade from 1790 to 1820 is given in Table 19. The exports since 1820 are shown in Table 20, on pp. 464–465. During recent years the exports have been principally to Scotland, England, France, Australia, and Germany, those five countries receiving over 95 per cent of the total quantity exported. The remaining exports are sent to Hongkong, Mexico, British Columbia, Belgium, etc. During the last ten years the exports to Scotland have aggregated 4,748,433 gallons; to England, 3,505,300; to France, 1,310,334; to Australia, 612,335; to Germany, 454,648, and to all other countries combined only 449,683, making a grand total of 11,080,733 gallons.

Table 69 shows by countries the quantity and value of the marine oils exported during each of the ten years ending June 30, 1894:

69. Statement by countries of the exports of marine oils from the United States during the ten years ending June 30, 1894.

Countries to which exported.	1885.		1886.		1887.		1888.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.
Europe:								
Belgium.....	1,030	\$1,070	4,000	\$3,470				
France.....	231,694	90,722	408,817	154,649	143,570	\$44,482	244,327	\$58,501
Germany.....	63,974	20,633	76,523	21,977	145,784	38,085	87,007	22,872
Italy.....			3,000	1,100				
Netherlands.....	491	413	7,400	3,352	532	406	993	741
United Kingdom—								
England.....	507,747	207,365	386,255	165,333	535,819	198,321	430,984	156,833
Scotland.....	210,610	115,729	317,335	117,043	584,372	156,955	580,183	127,023
Total Europe.....	1,024,546	435,932	1,263,730	466,924	1,410,080	438,240	1,352,404	365,970
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.....	350	272	148	46	128	97	4,860	1,204
Quebec, Ontario, etc.....	4,200	1,502	9,402	8,671				
British Columbia.....	13,180	3,708	1,875	787	505	137	2,934	816
Mexico.....	5,035	1,943	7,055	3,326	5,375	2,234	7,914	2,388
Central America—								
Costa Rica.....	579	377	963	538	117	98	126	72
Guatemala.....	3	6	6	8	30	10	203	148
Honduras.....	72	45	121	64			145	60
Nicaragua.....	60	45	101	64	25	11	53	20
San Salvador.....	36	44	60	62	50	60	10	8
West Indies—								
British.....	1,715	917	2,589	1,023	901	306	795	324
Danish.....							20	16
Dutch.....			101	44	60	31	112	69
French.....	900	710						
Haiti.....	271	107	493	345	207	187	751	462
Santo Domingo.....	187	112	188	123	524	106	388	209
Spanish—Cuba.....	739	457	1,281	869	517	891	386	302
Puerto Rico.....			214	210	30	15		
Total North America.....	27,323	10,245	24,597	16,180	8,559	4,282	18,697	6,098
South America:								
Argentina.....			52	35	53	34		
Brazil.....	426	338	720	520	20	15	498	350
Chile.....	73	90	1,516	1,417			30	28
Colombia.....	4	7	182	116	827	312	283	106
Peru.....	329	183	500	253	346	136	782	266
Venezuela.....	10	14						
Total South America.....	842	632	2,976	2,341	1,246	497	1,503	840
Asia and Oceania:								
Hongkong.....	13,635	5,701	15,430	5,688	16,787	6,091	14,521	4,199
British Australasia.....	120,024	51,604	54,032	18,585	68,729	22,075	107,540	31,971
Hawaiian Islands.....	862	392	1,740	919	467	124	1,461	628
Total Asia and Oceania.....	134,521	57,757	71,211	25,192	85,983	28,290	123,522	36,798
All other islands and ports.....	382	160	2,165	470	09	63	195	139
Grand total.....	1,187,614	504,726	1,364,679	511,107	1,505,973	471,381	1,406,501	409,845

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69. Statement by countries of the exports of marine oils from the United States during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1889.		1890.		1891.		1892.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.
Europe:								
Belgium	200	\$65	15,987	\$3,830	85	\$30	15,207	\$5,779
France	10,484	3,094	99,134	41,383	3	1	30,668	11,083
Germany	2,595	1,670	15,786	5,813	49,008	13,654	11,349	3,422
Netherlands			490	135				
United Kingdom—								
England	351,189	112,303	537,403	177,880	383,600	141,240	220,250	102,992
Scotland	153,463	56,150	1,210,048	203,728	919,559	204,731	609,240	181,124
Total Europe	517,931	173,882	1,878,828	522,787	1,352,255	359,056	886,714	305,000
North America:								
Canada—								
Nova Scotia, New Brunswick, etc.	50	22			4,910	667		
Quebec, Ontario, etc.	9	9	220	96			90	78
British Columbia	2	3	35,581	9,086	10,291	4,315	4,797	1,946
Mexico	5,232	3,006	4,105	1,258	7,194	3,536	18,375	7,718
Central America—								
Costa Rica	50	16	20	36				
Guatemala	10	8						
Honduras	98	34	122	42				
Nicaragua	71	52	5	6	24	52	15	30
San Salvador	25	10			35	26		
West Indies—								
British	1,321	521	1,502	561	966	340	740	304
Danish	30	18					26	14
Dutch	65	43	5	2	28	17	82	64
Haiti	655	571	231	82	130	75	374	234
Santo Domingo	188	73	998	563	299	153	294	144
Spanish—								
Cuba	792	794	2,101	500	417	163	4,055	1,078
Puerto Rico	50	20						
Total North America	8,055	5,206	44,899	12,232	24,292	9,344	28,848	12,508
South America:								
Argentina	50	55						
Brazil			314	162			108	82
Chile	128	91	60	62	60	59	560	250
Colombia	599	267	281	133	134	97	244	128
Peru	1,677	673	3,763	1,046	1,062	460	2,021	641
Uruguay	2,216	528						
Venezuela	35	20	4,223	1,141	80	20	50	30
Total South America	4,705	1,954	8,641	2,544	1,886	636	2,983	1,131
Asia and Oceania:								
Hongkong	12,357	4,072	11,006	4,630	9,644	4,110	11,126	4,585
British Australasia	85,527	11,210	63,076	23,131	78,708	27,211	40,157	14,744
Hawaiian Islands	2,218	832			506	225		
Total Asia and Oceania	50,102	16,114	74,082	27,761	88,858	31,546	51,283	19,329
All other islands and ports.	647	184	156	49	30	21		
Grand total	582,040	197,040	2,006,606	565,374	1,467,321	401,203	969,828	337,968

69. Statement by countries of the exports of marine oils from the United States during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1893.		1894.		Total.	
	Gallons.	Values.	Gallons.	Values.	Gallons.	Values.
Europe:						
Belgium.....					37,080	\$14,253
France.....	33,406	\$14,750	48,422	\$18,856	1,310,334	438,721
Germany.....	348	270	2,274	1,783	454,648	130,179
Italy.....					3,000	1,100
Netherlands.....	156	120	5,000	1,850	15,062	7,017
United Kingdom—						
England.....	73,588	25,071	78,465	44,372	3,505,300	1,331,719
Scotland.....	41,792	31,000	103,831	51,067	4,748,433	1,335,450
Total Europe.....	149,290	72,111	237,092	117,928	10,073,866	3,258,430
North America:						
Canada—						
Nova Scotia, New Brunswick, etc			303	269	10,740	2,577
Quebec, Ontario, etc.....	2,344	481	2,734	1,295	18,990	12,123
British Columbia.....	1,044	402	2,041	800	72,263	22,007
Mexico.....	12,934	5,976	15,243	5,028	88,452	37,311
Central America—						
Costa Rica.....	108	47	102	44	2,074	1,228
Guatemala.....	103	40	200	100	555	320
Honduras.....					558	245
Nicaragua.....			18	38	372	318
San Salvador.....					216	228
West Indies—						
British.....	965	388	2,881	1,155	14,875	5,839
Danish.....					85	48
Dutch.....			100	47	551	317
French.....					900	710
Haiti.....	278	140	380	271	3,860	2,474
Santo Domingo.....	89	40			3,155	1,613
Spanish—						
Cuba.....	1,750	734	4,512	1,686	16,550	8,374
Puerto Rico.....	80	50	50	23	424	324
Total North America.....	19,695	8,304	28,584	11,656	234,129	96,056
South America:						
Argentina.....	30	14			185	138
Brazil.....	1,021	357	20	15	8,127	1,839
Chile.....	100	70	16	9	2,543	2,076
Colombia.....	103	41	2,585	1,957	5,252	3,274
Peru.....			1,000	381	12,086	4,039
Uruguay.....					2,216	528
Venezuela.....	20	12	10	7	4,378	1,244
Total South America.....	1,274	494	3,041	2,369	29,787	13,138
Asia and Oceania:						
Hongkong.....	5,903	2,315	8,117	3,135	118,610	44,526
British Australasia.....	29,523	9,684	15,010	5,402	612,335	215,677
Hawaiian Islands.....			533	256	7,796	3,376
Total Asia and Oceania.....	35,510	11,999	23,669	8,793	738,747	263,579
All other islands and ports.....	25	20	505	105	4,204	1,211
Grand total.....	205,800	92,028	294,371	140,851	11,080,733	3,632,423

Import duties on marine oils.—From the organization of the United States Government to the present time foreign fish and whale oils have been subject to duties when imported into this country, except as affected by the reciprocity treaties of 1854 and 1873. The first duty imposed (taking effect August 1, 1789) was 5 per cent ad valorem, and this was increased in 1812 to 10 per cent. The customs law of 1816 imposed specific duties of 25 cents per gallon on sperm, and 15 cents per gallon on all other whale or fish oils. These remained constant until 1846, when a return was made to ad valorem duties, 20 per cent being imposed. A reduction of 5 per cent was made in 1857, but in 1861 a return was made to 20 per cent, and this rate remained until 1883, when it was increased 5 per cent. In 1890 specific duties were again imposed, 15 cents on cod-liver oil and 8 cents on seal, whale, herring, and other fish oils; but in 1894 a return was made to ad valorem duties, 20 per cent being imposed on cod-liver oil and 25 per cent on other fish oils.

The following statement shows approximately the rates of duty exacted in various foreign countries on marine oils imported therein.

70. *Statement of the approximate rates of duty imposed in various foreign countries on fish and whale oils imported therein.*

Countries.	Duty per 100 lbs.	Countries.	Duty per 100 lbs.
Europe:		West Indies—continued.	
Belgium.....	Free.	Guadaloupe.....	\$1.31
Denmark.....	\$1.13	Puerto Rico.....	1.89
France.....	.53	Santo Domingo—	
Germany.....	.32	Sperm.....	1.58
Great Britain.....	Free.	Fish.....	1.27
Greece.....	3.52	South America:	
Italy:		Argentina:	
Sperm.....	1.31	Fish and whale.....	.14
Fish and whale.....	.52	Cod-liver.....	2.19
Netherlands.....	.10	Bolivia:	
Russia.....	.65	Crude.....	.80
Spain.....	.09	Refined.....	1.32
Norway.....	.48	Brazil:	
Sweden.....	Free.	Crude.....	3.70
Switzerland.....	.04	Refined.....	12.38
North America:		Cod-liver.....	15.84
Canada.....	20 per ct. ad val.	Chile:	
Mexico.....	2.40	Crude.....	1.35
Central America:		Refined.....	2.27
Costa Rica.....	2.42	Cod-liver.....	7.20
Guatemala:		Venezuela:	
Fish and whale.....	2.20	Fish and whale.....	6.57
Cod-liver.....	4.41	Cod-liver.....	10.94
Nicaragua.....	1.40	Asia and Oceania:	
Salvador:		China.....	5 per ct. ad val.
Fish and whale.....	1.78	Japan.....	5 per ct. ad val.
Cod-liver.....	6.60	New South Wales.....	1.21
Honduras.....	.93	New Zealand.....	Free.
British Honduras.....	.60	Queensland and Victoria.....	1.21
West Indies:		Tasmania.....	3.03
Bahamas.....	2.43	West Australia.....	1.21
Cuba.....	2.19		

XI.—SPERMACETI.

Exports of spermaceti.—The exports of spermaceti vary little from year to year, averaging about 300,000 pounds, with a valuation of about \$100,000. It is sent principally to England, Germany, and Scotland, with smaller quantities to France, Italy, and Spain. Of the exports during the last ten years, 50 per cent went to England, 28 per cent to Germany, and 13 per cent to France.

The quantity and value exported during each of the last twenty-six years and the average value per pound are shown in Table 71. A statement of the annual exports since 1821 is given in Table 20, on pages 464–465, and the exports from 1790 to 1820, inclusive, are shown in Table 19, on page 462. From these compilations it appears that from 1790 to 1894, inclusive, 41,813,490 pounds of spermaceti have been exported from the United States.

Small quantities of spermaceti are imported into the United States in the form of candles. The imports during each year from 1869 to 1883 are shown in Table 12, on page 449. The customs returns do not indicate the imports during later years.

71. *Statement of the exports of domestic spermaceti during each year from 1869 to 1894, inclusive.*

Year ending June 30—	Exports.		Average values per pound.
	Pounds.	Value.	
1869	253,445	\$88,706	35.0
1870	82,520	27,172	32.9
1871	157,263	42,170	26.8
1872	190,736	56,090	29.9
1873	197,671	55,815	28.2
1874	304,865	78,346	25.7
1875	238,641	61,725	25.8
1876	141,167	35,915	25.4
1877	153,552	41,027	26.7
1878	228,276	58,302	25.5
1879	147,503	35,489	24.1
1880	197,847	45,018	22.8
1881	214,205	40,945	19.1
1882	265,693	48,721	18.3
1883	306,869	66,651	16.8
1884	259,947	48,553	18.7
1885	277,271	63,683	22.9
1886	334,918	125,840	37.5
1887	336,222	139,656	41.5
1888	228,576	84,018	37.1
1889	425,479	111,386	26.2
1890	449,384	116,757	26.0
1891	207,574	71,202	34.3
1892	273,981	90,842	33.2
1893	340,192	105,012	30.9
1894	342,786	99,467	29.0
Total	6,044,473	1,750,708	28.9
Average per year	255,557	67,335	26.4

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Table 72 shows the quantity and value of domestic spermaceti exported to each foreign country during each of the ten years ending June 30, 1894. It appears that Europe received 3,157,181 pounds, or over 97 per cent; American countries, 21,391 pounds, or less than 1 per cent; and all other countries, 35,811 pounds, or less than 2 per cent.

72. Statement by countries of the domestic exports of spermaceti during the ten years ending June 30, 1894.

Countries to which exported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Austria-Hungary.....	1,415	\$311						
Belgium.....					610	\$256	1,850	\$650
France.....			3,160	\$1,250	9,556	4,128	7,550	2,852
Germany.....	87,645	21,723	71,657	27,780	88,191	38,292	52,364	19,595
Italy.....					2,421	1,050	3,188	991
Netherlands.....					922	410		
Portugal.....					957	416		
Spain.....					7,821	3,220	3,565	1,273
United Kingdom—								
England.....	113,432	24,638	146,776	53,851	219,122	89,140	138,645	50,511
Scotland.....	63,824	14,907	112,929	42,777	6,246	2,580	18,690	7,860
Total Europe.....	266,316	61,579	334,522	125,658	335,846	139,492	225,858	83,732
America:								
Mexico.....			396	182	70	29	618	256
Central America.....	5,617	1,024			180	83		
Brazil.....	5,338	1,080						
Total America.....	10,955	2,104	396	182	250	112	618	256
All other islands and ports.					126	52	100	30
Grand total.....	277,271	63,683	334,918	125,840	336,222	139,656	226,576	84,018

Countries to which exported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Belgium.....	1,550	\$460	4,977	\$1,125	4,640	\$1,208	1,521	\$500
France.....	17,783	5,226	18,535	4,519	63	25	18,147	5,634
Germany.....	140,371	39,227	110,120	27,137	1,958	682	71,987	27,237
Italy.....	18,156	4,776	25,883	7,390	17,271	6,503	3,149	1,108
Netherlands.....	6,331	1,600						
Portugal.....	945	220			50	18	805	107
Spain.....	7,068	2,339	3,802	898			1,855	568
United Kingdom—								
England.....	173,497	42,966	254,178	66,630	183,033	62,556	117,008	37,667
Scotland.....	54,928	13,341	33,504	8,960			60,905	17,832
Total Europe.....	421,509	110,155	448,990	116,659	207,015	70,990	273,452	90,053
America:								
Mexico.....	3,458	1,079	241	59			180	55
Central America.....							206	74
Brazil.....					509	195		
Total America.....	3,458	1,079	241	59	509	195	306	129
Asia and Australasia:								
British Australasia.....	113	37						
All other islands and ports.	800	115	144	39	50	17	163	60
Grand total.....	425,479	111,386	449,384	116,767	207,574	71,202	273,981	90,842

72. Statement by countries of the domestic exports of spermaceti during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
Austria-Hungary.....					1,415	\$311
Belgium.....	3,402	\$1,050	3,381	\$1,020	21,831	6,267
Denmark.....			300	87	309	87
France.....	11,504	3,734	7,255	2,196	89,629	29,564
Germany.....	111,137	35,791	157,331	46,311	892,741	283,775
Italy.....	7,449	2,338	2,831	825	89,342	24,981
Netherlands.....			1,558	400	8,811	2,410
Portugal.....					2,258	761
Russia.....			4,708	1,280	4,708	1,280
Spain.....	7,397	2,133	6,604	1,922	39,102	12,353
United Kingdom—						
England.....	170,698	51,544	79,125	22,646	1,596,114	502,149
Scotland.....	26,486	7,715	42,300	12,054	410,821	128,026
Total Europe.....	338,163	104,305	305,501	88,741	3,157,181	991,964
America:						
Quobee and Ontario.....			1,092	255	1,092	255
Mexico.....	1,854	637	1,477	87	8,274	2,384
Central America.....	175	70			9,178	1,251
Brazil.....					5,847	1,276
Total America.....	2,029	707	2,569	342	21,301	5,105
Asia and Australasia:						
British Australasia.....			34,654	10,364	34,767	10,401
All other islands and ports.....			62	20	1,044	333
Grand total.....	340,192	105,012	342,786	99,407	3,214,383	1,007,863

Import duties on spermaceti.—The import duties exacted on spermaceti in various foreign countries are set forth in comparative form in the appended compilation. The tariff rate in the United States is 25 per cent ad valorem.

73. Statement of the approximate rates of duty exacted on spermaceti imported into various foreign countries.

Countries.	Duty per 100 lbs.	Countries.	Duty per 100 lbs.
Europe:		North America—continued.	
Austria-Hungary.....	\$0.58	Mexico.....	\$7.99
Belgium.....	Free.	Central America—	
France—		Costa Rica.....	1.54
Crude.....	.439	Guatemala.....	5.51
Pressed.....	.875	Honduras.....	1.86
Refined.....	1.317	Salvador.....	4.40
Germany.....	.322	West Indies—	
Great Britain.....	Free.	Haiti.....	0.65
Greece.....	13.59	Puerto Rico.....	1.89
Italy.....	Free.	South America:	
Netherlands.....	5 p. ct. ad val.	Argentina.....	8.75
Norway.....	.485	Bolivia—	
Portugal.....	1.079	Crude.....	4.63
Russia.....	1.29	Refined.....	6.61
Spain.....	1.75	Brazil.....	9.90
Switzerland.....	.04	Chile—	
North America:		Crude.....	8.30
Canada.....	20 p. ct. ad val.	Refined.....	14.40
		Venezuela.....	6.57

XII.—WHALEBONE.

General trade.—The foreign trade in whalebone is almost entirely of an export nature, only a small quantity being imported into this country. During recent years the quantity exported has averaged about 150,000 pounds annually, with a valuation of about \$4 per pound. During the twenty-six years ending June 30, 1894, the exports aggregated 5,307,203 pounds, valued at \$10,295,706. The largest quantity exported in any one of those years was 405,396 pounds in 1869, but the greatest value was \$799,042 in 1888. From 1821 to 1894, inclusive, 55,215,494 pounds of whalebone, valued at \$31,803,573, have been exported, as shown in Table 20, on page 464-465. The exports were most extensive from 1844 to 1860, the quantity exceeding 1,000,000 pounds annually. The exports in 1853 were 2,825,069 pounds, valued at \$1,063,705, and in 1857, 2,042,390 pounds, worth \$1,307,322. The exports from 1791 to 1820, inclusive, as compiled from Pitkin's Statistics, and shown in Table 19, on page 462, amounted to 2,942,848 pounds, with an estimated value, at 20 cents per pound, of \$588,570. This gives a total of 58,158,342 pounds, worth \$32,392,143 of domestic whalebone exported from 1791 to 1894, inclusive.

Table 74 shows in detail the extent of the whalebone trade during the twenty-six years ending in 1894.

74. Statement of the foreign trade in whalebone during each year from 1869 to 1894, inclusive.

Year ending June 30	Imports for consumption.					Domestic exports.			Excess of exports over imports.
	Unmanufactured.			Manu- factures of.	Total.	Pounds.	Values.	Average value per pound.	
	Pounds.	Values.	Average value per pound.	Values.	Values.				
1869	3,030	\$962	\$0.32	\$381	\$1,343	405,396	\$384,435	\$0.95	\$383,092
1870	1,135	332	.29	.....	332	386,728	343,937	.89	343,605
1871	748	309	.41	.....	309	353,742	251,562	.71	251,253
1872	20,635	1,416	.07	1,644	3,060	172,889	137,855	.80	134,795
1873	9,000	4,622	.51	418	5,040	324,653	329,214	1.01	324,174
1874	8,700	4,921	.57	829	5,760	114,530	115,098	1.00	109,348
1875	3,247	2,034	.63	1,638	3,672	251,572	291,165	1.16	287,403
1876	10,673	10,598	.99	79	10,677	164,500	215,327	1.39	204,650
1877	1,890	1,379	.73	851	2,230	71,708	160,666	2.24	158,436
1878	1,982	666	.34	734	1,400	154,016	264,980	1.72	263,580
1879	2,823	3,355	1.19	741	4,096	78,322	199,753	2.55	195,657
1880	10,506	13,337	1.27	190	13,527	131,332	255,847	1.95	242,320
1881	5,820	5,507	.98	107	5,614	227,117	326,400	1.44	320,786
1882	10,892	2,822	.26	9	2,831	220,787	325,333	1.47	322,502
1883	3,657	1,824	.50	2,863	4,687	326,835	599,550	1.83	594,863
1884	32,709	20,458	.60	902	30,340	92,653	319,508	3.45	289,168
1885	18,787	32,588	1.73	1,144	33,712	188,482	470,039	2.49	436,327
1886	14,606	12,614	.86	2,009	14,683	165,436	385,068	2.33	370,376
1887	10,172	6,579	.65	1,126	7,705	173,452	523,267	3.02	515,562
1888	215	382	1.78	1,326	1,708	318,056	799,042	2.51	797,334
1889	11,020	19,179	1.74	402	19,581	201,555	762,464	2.92	742,893
1890	19,087	23,295	1.22	33	23,328	190,484	705,500	3.70	682,172
1891	75	168	2.24	1,341	1,509	159,322	717,230	4.56	715,721
1892	608	563	.93	3,017	3,580	82,797	427,462	5.16	423,862
1893	11	25	2.27	4,756	4,781	148,130	543,045	8.67	538,264
1894	640	669	1.04	1,523	2,192	152,700	441,969	2.89	439,777
Total.....	202,567	179,584	.....	28,123	207,687	5,307,203	10,295,706	.....	10,088,019

Notwithstanding the large domestic product of whalebone, small quantities are imported into this country each year, being entered free of duty. The whalebone imported is not so good in quality as that exported, the average value per pound of the former being only about one-half the latter. The imports of whalebone during the twenty-six years ending in 1894 amounted to 202,567 pounds, worth \$179,564, or less than 4 per cent of the domestic exports.

Exports of whalebone by countries.—The exports of whalebone are principally to Germany, France, and England, the Netherlands and Belgium receiving smaller quantities. Of the 1,840,423 pounds exported during the ten years ending June 30, 1894, 973,001 pounds, or over 50 per cent, went to Germany; 620,785 pounds, or 34 per cent, to France; while all the countries of Europe received 1,838,947 pounds, or 99.92 per cent. The following statement shows the exports to each foreign country during the ten years ending June 30, 1894:

75. Statement by countries of the domestic exports of whalebone during the ten years ending June 30, 1894.

Countries to which exported.	1885.		1886.		1887.		1888.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Belgium							125	\$350
Denmark			294	\$763			77	261
England	20,330	\$40,408	6,840	15,702	14,688	\$44,776	28,344	67,108
France	85,198	231,118	77,616	189,374	75,379	231,450	109,281	276,225
Germany	82,767	197,924	80,286	178,719	82,207	243,605	108,594	427,459
Netherlands	157	459	200	500	1,065	3,195	10,704	25,178
Total Europe	188,452	469,909	165,436	385,058	173,309	523,026	317,125	790,581
America:								
Nova Scotia, New Brunswick, etc							9	27
Quebec, Ontario, etc	5	30						
Cuba					53	241	922	2,434
Colombia	25	100						
Total America	30	130			53	241	931	2,461
Grand total	188,482	470,039	165,436	385,058	173,452	523,267	318,056	790,042

Countries to which exported.	1889.		1890.		1891.		1892.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Belgium	2,196	\$6,272	3,124	\$11,345	3,429	\$18,800	1,190	\$4,350
England	49,198	113,407	2,936	9,975	16,974	67,086	3,365	14,663
France	63,085	202,847	46,828	180,363	35,957	163,902	27,183	145,691
Germany	140,637	400,574	128,519	404,951	95,631	434,672	47,234	242,065
Netherlands	12,263	38,869	11,052	38,806	7,276	32,516	3,782	20,278
Total Europe	261,379	761,969	190,459	705,440	159,266	716,976	82,754	427,247
America:								
Nova Scotia, New Brunswick, etc							5	19
Mexico							6	30
Santo Domingo	6	13						
Cuba	160	442	25	60	56	254	20	110
Brazil	10	40					12	56
Total America	176	495	25	60	56	254	43	215
Grand total	261,555	762,464	190,484	705,500	159,322	717,230	82,797	427,462

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75. Statement by countries of the domestic exports of whalebone during the ten years ending June 30, 1894—Continued.

Countries to which exported.	1893.		1894.		Total.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:						
Belgium	1,565	\$5,846	1,157	\$3,600	12,786	\$50,563
Denmark					371	1,024
England	15,065	61,032	3,002	9,001	154,742	443,448
France	44,635	164,595	55,423	156,359	620,785	1,941,024
Germany	76,905	278,114	72,161	215,750	973,001	3,083,833
Netherlands	9,940	33,340	20,824	56,558	77,262	249,708
Total Europe	148,110	542,936	152,567	441,358	1,838,947	5,770,500
America:						
Nova Scotia, New Brunswick, etc.	4	18			18	64
Quebec, Ontario, etc.	16	91	108	492	129	613
Mexico			8	25	14	55
Santo Domingo					6	13
Cuba			20	94	1,262	3,635
Brazil					22	96
Colombia					25	100
Total America	20	109	142	611	1,476	4,578
Grand total	148,130	543,045	152,709	441,969	1,840,423	5,775,078

Import duties.—The import duties exacted on whalebone in various foreign countries are shown in Table 76. This article has been admitted free of duty into the United States since 1873, previous to which time a duty of 20 per cent ad valorem was imposed.

76. Statement of the approximate rates of duty exacted on whalebone imported into various foreign countries.

Countries.	Duty per 100 lbs.	Countries.	Duty per 100 lbs.
Europe:		North America:	
Austria-Hungary	\$0.725	Canada	20 p. ct. ad val.
Belgium	5 p. ct. ad val.	Mexico	\$2.40
Denmark	9.006	Central America:	
France:		Costa Rica	11.90
Uncut	Free.	Guatemala	6.53
Prepared	8.75	Nicaragua	18.64
Germany	Free.	Salvador	12.04
Great Britain	Free.	West Indies:	
Italy:		Cuba—	
Unmanufactured	Free.	Rough	63.00
Manufactured	7.003	Polished	109.20
Netherlands	5 p. ct. ad val.	Puerto Rico	63.00
Norway	Free.	Santo Domingo	7.92
Russia	2.85	South America:	
Switzerland:		Bolivia—	
Raw or stripped .....	.344	Rough	2.64
Polished	1.403	Manufactured	16.53
		Brazil	6.44

XIII.—FISH SOUNDS AND ISINGLASS.

Imports.—Large quantities of fish sounds are used in the United States for clarifying beers, wines, etc., for the best grades of mucilage, and to a small extent for food purposes; but only during the last thirty years has any use been made of the domestic product. Isinglass is now made from the sounds of many varieties of American fishes, but principally from hake, sturgeon, cod, and squeteague or sea trout. The domestic yield of fish sounds amounts to about 200,000 pounds annually, but the market requires over twice this amount, necessitating a large importation each year. This importation ranges from 200,000 pounds to over 425,000 pounds annually. During the ten years ending June 30, 1894, the smallest imports were 199,571 pounds in 1894, and the largest 442,229 pounds in 1891. The total imports for consumption during that period amounted to 3,402,769 pounds, an annual average of 340,277 pounds. These figures do not include the imports of fish sounds in the form of glue, of which from 5,000 to 100,000 pounds are received annually. The quantity and value of fish sounds and glue imported for consumption during the twenty-six years ending in 1894 are shown in the following table:

77. *Statement of the imports for consumption of fish sounds and fish glue into the United States from 1869 to 1894, inclusive.*

Year ending June 30—	Fish sounds or fish bladders.			Fish glue or isinglass.			Total.		
	Pounds.	Values.	Average value per pound.	Pounds.	Values.	Average value per pound.	Pounds.	Values.	Average value per pound.
1869							a 17,438	\$8,719	a \$.50
1870							a 16,178	8,089	a .50
1871							a 13,084	6,542	a .50
1872							a 56,874	28,437	a .50
1873							a 247,500	123,750	a .50
1874							187,384	96,244	.46
1875							117,900	52,401	.51
1876							73,552	42,322	.44
1877							75,207	32,230	.58
1878							159,344	104,552	.43
1879							287,025	202,765	.66
1880							330,710	198,025	.71
1881							393,801	243,239	.60
1882							289,165	169,148	.62
1883							304,091	180,575	.59
1884	270,822	\$92,914	\$.34	72,504	\$30,310	\$.50	343,326	129,224	.88
1885	341,483	121,201	.30	59,178	45,104	.76	400,661	169,305	.42
1886	424,430	144,652	.34	57,483	37,132	.65	481,913	181,784	.38
1887	380,445	124,050	.33	132,176	61,612	.47	512,621	185,662	.36
1888	434,440	141,388	.33	78,370	85,465	.45	512,810	176,843	.34
1889	350,740	93,626	.26	18,757	18,076	1.00	375,497	112,302	.30
1890	279,932	51,202	.18	6,306	11,984	1.90	286,238	63,186	.22
1891	442,229	94,130	.21	18,222	17,976	.99	460,451	112,106	.24
1892	300,283	62,351	.21	13,957	13,742	.98	314,240	76,093	.24
1893	243,216	57,884	.24	36,890	16,314	.44	280,106	74,198	.26
1894	199,571	36,375	.18	5,352	5,034	1.11	204,923	42,309	.21
Total	3,673,691	1,019,773		490,204	300,230		6,743,626	2,826,056	

a Estimated.

It appears from the foregoing table that the average value per pound of imported fish bladders, or sounds, has decreased almost constantly. In 1885 it was 36 cents; in 1889 it had decreased to 26 cents, and in 1894 it was only 18 cents per pound.

Imports of sounds by countries.—The largest imports of fish sounds are from Nova Scotia and New Brunswick; England, Venezuela, Denmark, Brazil, Russia, and India also supply sounds for the United States market. Comparatively few of the sounds from England are obtained in the fisheries of that country, the bulk of the shipments coming from Russia, India, and other countries. The following table shows the imports from each country during the four years ending June 30, 1894, the custom-house returns not showing by countries the quantity imported prior to July 1, 1891:

78. *Statement by countries of the imports of fish sounds into the United States during the four years ending June 30, 1894.*

Countries from which imported.	1891.		1892.		1893.		1894.	
	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.	Pounds.	Values.
Europe:								
Denmark	55,188	\$5,679	33,077	\$4,135	4,101	\$530	11,527	\$1,101
England	98,582	26,350	71,130	17,238	63,798	13,730	55,896	17,464
France			300	97				
Germany	6,084	1,374	1,711	231	2,546	398	173	14
Italy	84	18			7	2	210	10
Netherlands			466	57				
Russia	55,994	12,045	11,107	2,827	216	349		
Sweden and Norway	495	90			449	89	214	38
Total Europe	216,377	45,562	117,077	24,585	71,207	15,098	68,029	18,717
North America:								
Nova Scotia, New Brunswick, etc.	120,128	21,637	120,754	26,946	82,049	14,704	37,601	10,306
Quebec, Ontario, etc.	535	360	360	188	31	36	45	23
Mexico	350	111					530	104
Haiti			3,411	820				
Cuba			20	5	225	22	1,664	82
South America:								
Brazil	15,533	3,653	3,180	735	37,444	16,496	9,664	1,266
Venezuela	83,432	21,520	34,948	7,817	42,344	9,923	33,437	6,912
Total America	219,984	47,287	168,673	36,520	162,093	41,181	102,941	17,693
Asia and Oceania:								
Hongkong	20	4	50	8	451	107		
British East Indies	8,044	1,774	5,020	1,196	8,587	1,498		
Total Asia and Oceania	8,064	1,778	5,070	1,204	9,038	1,605		
Grand total	444,425	94,627	291,720	62,309	242,438	57,884	200,970	38,410

Countries from which imported.	Total.		Average value per pound.
	Pounds.	Values.	
Europe:			
Denmark	103,983	\$11,535	\$0.110
England	289,400	74,782	.259
France	390	97	.245
Germany	10,464	2,017	.193
Italy	310	30	.097
Netherlands	466	57	.122
Russia (Baltic and White seas)	67,407	15,221	.226
Sweden and Norway	1,158	223	.184
Total Europe	473,590	103,962	.220

78. Statement by countries of the imports of fish sounds into the United States during the four years ending June 30, 1894—Continued.

Countries from which imported.	Total.		Average value per pound.
	Pounds.	Values.	
North America :			
Nova Scotia, New Brunswick, etc.....	416, 532	\$73, 593	\$0. 177
Quebec, Ontario, etc.....	971	613	. 631
Mexico.....	886	215	. 243
Haiti.....	3, 411	829	. 243
Cuba.....	1, 909	109	. 057
South America:			
Brazil.....	65, 821	22, 150	. 337
Venezuela.....	194, 161	45, 172	. 233
Total America.....	683, 691	142, 081	. 209
Asia and Oceanica:			
Hongkong.....	521	119	. 228
British East Indies.....	21, 651	4, 468	. 206
Total Asia and Oceanica.....	22, 172	4, 587	. 207
Grand total.....	1, 179, 453	251, 230	. 214

Import duties on fish sounds and isinglass.—Crude or unmanufactured fish sounds are admitted free of duty into the United States, but a rate of 25 per cent ad valorem is exacted on the manufactured product. On fish glue or isinglass the rate is 1½ cents per pound on all valued at not above 7 cents per pound, 25 per cent ad valorem when valued at above 7 cents and not above 30 cents per pound, and 30 per cent when valued at above 30 cents per pound.

The following compilation shows, in some cases approximately, the present rates of duty imposed on fish sounds or isinglass imported into various foreign countries:

79. Statement of approximate rates of duty exacted on fish sounds, etc., imported into various foreign countries.

Countries.	Designation.	Duty on 100 pounds.	Countries.	Designation.	Duty on 100 pounds.
Europe:			North America—		
Austria-Hungary.....	Fish glue.....	\$0. 87	continued.		
France.....	Fish bladders, raw or dried.	Free.	Honduras.....	Fish glue.....	\$8. 39
Italy.....	Fish glue or isinglass	3. 501	Nicaragua.....	do.....	2. 80
Great Britain.....	Fish glue.....	1. 313	Salvador.....	do.....	2. 20
Greece.....	Fish glue, common or refined	Free.	South America:		
Norway.....	Isinglass or fish glue.	18. 23	Bolivia.....	Isinglass.....	3. 00
Russia.....	Fish glue.....	6. 46	British Guiana..	Fish glue.....	19. 84
Sweden.....	Sturgeon sounds	20. 67	Chile.....	Isinglass.....	5. 00
Switzerland.....	Fish glue.....	2. 43	Colombia.....	Fish glue.....	2. 57
North America:	do.....	. 61	Peru.....	do.....	4. 41
Haiti.....	Fish glue.....	4. 82	Asia and Oceanica:		
Mexico.....	do.....	3. 59	British New Guinea.		2. 00
Costa Rica.....	do.....	2. 42	Fiji.....		6. 18
			Japan.....		5 p. ct.

XIV.—SPONGES.

General trade since 1868.—The foreign trade in sponges is of considerable importance. The typical forms of commercial sponges are essentially confined to the waters of the southern and western coasts of Florida, and the waters of the Bahama Archipelago in the Western Hemisphere, and to the Mediterranean and Red seas in the Eastern Hemisphere. The importation of sponges is of growing importance in the United States, and the domestic exports have decreased considerably since 1885, as indicated in the following table, showing for the 26 years ending in 1894 the value of the foreign sponges imported for consumption, the domestic exports, and the excess of the imports over the exports:

80. *Statement of the foreign trade in sponges from 1869 to 1894, inclusive.*

Year ending June 30—	Imports for consumption.	Domestic exports.			Excess of imports over exports.
		Pounds.	Values.	Average values per pound.	
1869	\$74,731				\$74,731
1870	93,952		\$5,500		88,452
1871	113,127		1,546		111,581
1872	153,443				153,443
1873	189,986				189,986
1874	121,798				121,798
1875	110,440				110,440
1876	87,021				87,021
1877	88,798		396		88,402
1878	90,127		8,000		82,127
1879	130,515		16,313		114,202
1880	183,690		4,141		179,549
1881	229,292		6,736		222,556
1882	293,621		4,111		289,510
1883	270,402		7,518		262,944
1884	241,874	17,400	9,472	\$0.544	232,402
1885	235,519	30,006	23,480	.782	212,039
1886	296,963	44,839	25,607	.571	271,356
1887	302,510	59,106	37,588	.636	264,924
1888	268,651	55,903	36,581	.654	232,070
1889	277,373	37,119	20,971	.665	256,402
1890	352,885	45,222	25,293	.550	327,592
1891	381,879	36,966	20,821	.564	361,058
1892	331,241		10,320		320,921
1893	365,249	15,891	8,858	.557	356,391
1894	217,456	18,329	8,497	.463	208,959
Total	5,503,203		281,747		5,221,456

Imports by countries.—These sponges are received principally from the British West Indies, Cuba, Great Britain, Greece, and Austria. During the ten years ending June 30, 1894, the receipts from the British West Indies amounted in value to \$1,736,332; from Cuba, \$479,961; from Great Britain, \$933,154, and from Greece, \$244,851. The imports from countries on the American Continent amounted to \$2,233,002; from Europe, \$1,379,494; and from Asia and Oceanica, \$9,080. Table 81 shows, by countries, the receipts during each year from 1885 to 1894, inclusive:

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81. *Statement by countries of the imports of sponges during the ten years ending June 30, 1894.*

Countries from which imported.	1885.	1886.	1887.	1888.	1889.	1890.
Europe:						
Austria-Hungary.....	\$8,578	\$15,247	\$12,757	\$9,247	\$4,830	\$5,407
Belgium.....	342	1,019	1,375	3,623	1,656	330
France.....	7,308	6,028	10,093	3,019	3,813	1,586
Germany.....	1,954	2,234	3,209	6,818	8,200	1,912
Greece.....		6,961	10,192	16,452	22,646	48,131
Italy.....	2,870		5,016		2,866	1,367
Netherlands.....	125	1,225				
United Kingdom.....	100,089	100,372	103,132	101,626	82,740	115,205
Total Europe.....	121,266	133,086	145,774	140,785	126,751	173,998
America:						
Mexico.....		106	495	1,387	330	902
Central America—						
Honduras.....		504	345	223	572	
Nicaragua.....				27		
British Honduras.....	250	2,854	1,458	2,150	855	105
British West Indies.....	130,035	189,511	151,512	169,501	162,688	214,893
Cuba.....	81,981	60,700	43,534	38,533	27,195	26,741
Colombia.....			5	12		
All others.....	111		15	8	488	
Total America.....	212,377	253,675	197,364	211,926	191,634	242,691
Asia and Oceania:						
Japan.....		1	108			
Turkey in Asia.....	131		65	5,393		29
Hawaiian Islands.....		622				
Total Asia and Oceania.....	131	623	173	5,393		29
Grand total.....	333,774	387,384	343,311	358,104	318,385	416,718

Countries from which imported.	1891.	1892.	1893.	1894.	Total.
Europe:					
Austria-Hungary.....	\$14,517	\$12,329	\$9,118	\$7,730	\$99,820
Belgium.....		201	118		8,664
France.....	1,074	3,825	4,105	2,889	43,740
Germany.....	15	456	812	1,007	26,617
Greece.....	39,423	32,917	56,262	11,867	244,851
Italy.....	3,655	3,235	8	910	19,922
Netherlands.....			13	265	1,628
United Kingdom.....	121,136	69,283	80,798	58,773	933,154
All others.....		1,008			1,008
Total Europe.....	179,820	123,344	151,220	83,441	1,379,494
America:					
Mexico.....	326		6		8,558
Central America—					
Honduras.....				5	1,649
Nicaragua.....					27
British Honduras.....		112	3	82	7,420
British West Indies.....	100,043	170,722	216,298	140,149	1,736,353
Cuba.....	58,476	56,662	50,598	35,541	479,961
Haiti.....			11		11
Colombia.....					17
All others.....	502	2,899			4,018
Total America.....	250,247	230,395	266,916	175,777	2,233,002
Asia and Oceania:					
Japan.....	897	80	19	148	1,203
Turkey in Asia.....	909	644		80	7,251
Hawaiian Islands.....					622
All others.....		3	1		4
Total Asia and Oceania.....	1,806	677	20	228	9,080
Grand total.....	431,873	354,416	418,165	259,446	3,621,576

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Exports by countries.—The domestic sponges exported are sent principally to England; yet France, Quebec, and a number of other countries receive small quantities. The customs returns do not show separately the extent of these exports prior to 1894, but the exports during that year were as follows:

82. *Statement of the exports of domestic sponges during the year ending June 30, 1894.*

Countries.	Pounds.	Values.	Countries.	Pounds.	Values.
Europe:			North America—continued.		
England	12,239	\$4,573	West Indies—		
France	1,485	940	British	11	\$7
Italy	115	70	Haiti	250	250
Netherlands	700	299	Puerto Rico	40	27
Sweden and Norway	724	398	South America:		
North America:			Brazil	400	200
Nova Scotia and New Brunswick	90	74	Chile	505	286
Quebec and Ontario	931	968	Colombia	80	45
British Columbia	11	5	Uruguay	100	48
Mexico	528	235	Venezuela	120	74
			Total	18,329	8,407

Rates of duty imposed on sponges.—No special duty was imposed on sponges imported into the United States prior to 1842. From 1789 to 1832 they were classed with unenumerated articles, and from 1832 to 1842 they were admitted free of duty. The tariff law of 1842 (Laws Twenty-seventh Congress, second session, chapter 270) imposed a duty of 20 per cent ad valorem on all sponges imported after August 30, 1842. This rate remained operative until July 1, 1857, when it was reduced to 8 per cent (Laws Thirty-fourth Congress, third session, chapter 98); but in 1861 (Laws Thirty-sixth Congress, second session, chapter 68) it was increased to 10 per cent ad valorem, taking effect April 1, 1861. In 1862 the duty was increased to 20 per cent, and it remained at that rate until 1894 (Laws Fifty-third Congress, second session, chapter 349), when it was again reduced to 10 per cent ad valorem, taking effect August 28, 1894.

83. *Statement of the approximate rates of duty imposed on sponges imported into various foreign countries.*

Countries.	Designation.	Duty per 100 pounds.
Europe:		
Austria-Hungary	Bathing and horse	\$2.17
	Others	8.71
France	Raw	3.04
	Prepared, fine	5.69
Germany	Wash sponges	Free.
Great Britain		Free.
Italy	Common, crude	Free.
	Common, cleaned	3.50
	Fine, crude	Free.
	Fine, cleaned	17.51
Norway		32.45
Portugal		13.22
Russia	Greek	2.58
Switzerland		1.75
North America:		
Canada		20 p. ct. ad val.
Mexico	Fine	47.90
	Common	9.58
Central America—		
Guatemala		182.27
Honduras		23.30
Nicaragua		46.59
Salvador		110.22

83. Statement of the approximate rates of duty imposed on sponges imported into various foreign countries—Continued.

Countries.	Designation.	Duty per 100 pounds.
North America—continued.		
West Indies—		
Bahamas.....	.....	Free.
Gundaloupe.....	.....	10 p. ct. ad val.
Haiti.....	Fine.....	\$33.77
	Common, for horses.....	5.79
South America:		
Argentina.....	Fine, for toilet.....	547.10
	Fair, for toilet.....	218.84
	Bath and carriage.....	87.54
	For horses.....	38.29
	For scrubbing.....	21.88
Bolivia.....	Fine.....	79.34
	Common.....	16.53
Brazil.....	Fine.....	340.71
	Common.....	74.30
Venezuela.....	.....	10.94
Australasia and Oceania:		
Queensland.....	.....	15 p. ct. ad val.
Tasmania.....	.....	12½ p. ct. ad val.
Polynesia.....	.....	10 p. ct. ad val.
French Oceania.....	Fine.....	4.40
	Common.....	1.13

XV.—MARINE SHELLS.

General trade since 1868.—Among the miscellaneous fishery products that enter into our foreign trade, marine shells call for special notice. Of these there are several classes, viz, (1) shells, not cut or ground; (2) mother-of-pearl, not cut or ground; (3) shells and mother-of-pearl, manufactured, and (4) cuttlefish bone. The uncut shells imported into this country consist of ornamental shells, shells for manufacture of buttons, etc. They are received principally from England, French Oceania, Colombia, Mexico, and France, but nearly all are originally obtained from tropical waters. Little variation exists in the quantity of cuttlefish bone imported during recent years, averaging about 150,000 pounds, worth 10 cents per pound.

An interesting feature of this shell trade is the large number of shells imported during recent years for use in the shell-button factories in the United States. During the last four years several of these factories have been established in the interior of this country, and in addition to the fresh-water shells of the adjacent regions, they utilize quantities from Japan, India, Australasia, and especially Tahiti.

The marine shells exported are not of great value, and consist largely of abalone shells.

Table 84 shows the extent of the foreign trade in marine shells during the twenty-six years ending in 1894. The imports have gradually increased since 1885, reaching a maximum value of \$1,621,681 in 1893. The imports for 1894 show a considerable decrease, because of the general depression of business, which naturally affects the importation of ornamental articles more seriously than the more necessary ones. The value of domestic exports shows a very great fluctuation, ranging from \$1,500 to \$74,328 per year.

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84. Statement of the foreign trade in marine shells during the twenty-six years ending in 1894.

Year ending June 30—	Imports for consumption.					Domestic exports.	Excess of imports over exports.	Excess of exports over imports.	
	Shells, not cut or ground.	Mother-of-pearl, not cut or manufactured.	Cuttlefish bone.		Shells and mother-of-pearl, manufactures of.	Total.			All kinds.
			Pounds.	Value.					
1869	\$44		18,404	\$1,292	\$490	\$1,826	\$11,008	\$0,182	
1870	9		32,911	2,112	6,320	8,441	2,100	\$6,341	
1871	8,545		21,993	1,945	11,754	22,244		22,244	
1872	163,027		28,504	2,286	22,970	188,283		188,283	
1873	128,774		21,388	2,320	5,044	136,138		136,138	
1874	121,640		46,586	5,178	3,069	129,887		129,887	
1875	121,280		37,192	4,355	5	125,649		125,649	
1876	251,424		49,736	5,817		257,241		257,241	
1877	162,769		54,215	9,482		172,251	4,825	167,426	
1878	177,492		101,518	10,015		187,507	9,172	178,335	
1879	220,564		129,827	11,179		231,743	13,831	217,912	
1880	283,088		129,398	11,642		294,730	69,107	225,623	
1881	280,472		85,292	7,682		288,154	39,792	248,362	
1882	218,383		124,269	20,848		239,231	46,341	192,890	
1883	273,296		178,789	22,958		296,254	15,148	281,106	
1884	220,316		163,344	22,455	15,808	258,639	25,311	233,328	
1885	140,570		190,785	12,223	11,281	164,800	63,898	100,182	
1886	207,966		161,696	15,232	22,650	245,848	8,133	237,715	
1887	196,984		196,437	14,899	15,916	228,799	16,572	212,227	
1888	149,539		114,457	10,824	18,476	178,839	11,136	167,703	
1889	258,206		94,495	10,058	11,499	279,763	2,243	277,520	
1890	288,885		166,778	17,162	34,607	340,654	4,635	336,019	
1891	506,723	\$3,593	151,114	20,089	108,171	638,576	1,500	637,076	
1892	886,191	11,372	220,131	23,869	195,104	1,116,536	12,609	1,103,927	
1893	1,270,811	51,616	139,200	15,412	283,842	1,621,681	33,033	1,588,648	
1894	643,251	2,507	149,708	13,013	378,381	1,037,152	74,328	962,824	
Total.	7,180,264	60,088	2,808,227	294,347	1,145,447	8,690,146	464,722	8,234,606	

Imports of shells by countries.—Of the \$643,349 worth of shells entered at United States custom-houses during the year ending June 30, 1894, \$291,691, or 45 per cent, came from England; \$224,757, or 35 per cent, from French Oceania; \$44,822, or 7 per cent, from Colombia; and \$28,473 from Mexico. The inhabitants of some of the Pacific islands depend almost entirely on their export of marine shells.

The subjoined compilation shows in detail the value of the unmanufactured shells, other than mother-of-pearl, imported from each foreign country during the four years ending in 1894. The customs returns do not indicate the origin of the shells imported previous to 1891:

85. Statement by countries of the value of unmanufactured shells, other than mother-of-pearl, imported into the United States during each of the four years ending June 30, 1894.

Countries from which imported.	1891.	1893.	1894.
Europe:			
Austria-Hungary	\$3,616	\$7,724	\$9,281
England	274,316	622,502	814,036
France	8,280	34,243	50,176
Germany	12,610	19,604	29,612
Italy	2	148	311
Netherlands	5,604	4,107	8,585
Total Europe	304,628	688,328	912,001
North America:			
Mexico	5,819	46,286	30,256
Central American States—			
Costa Rica	2,817	1,578	1,084
Honduras			613
Nicaragua			1,519
			1,214
			172
			1,605

85. *Statement by countries of the value of unmanufactured shells, other than mother-of-pearl, imported into the United States during each of the four years ending June 30, 1894—Cont'd.*

Countries from which imported.	1891.	1892.	1893.	1894.
North America—continued.				
Bermuda.....		\$133	\$97	\$00
West Indies—				
British.....	\$13,658	9,215	9,240	3,150
Danish.....	4,798	7,797	3,200	4,716
French.....				100
Cuba.....	358	795	8,492	
Haiti.....	2,134	3,000	3,152	1,712
Santo Domingo.....	3,234	2,194	3,197	2,328
Puerto Rico.....				411
Total North America.....	32,818	70,908	60,850	43,941
South America:				
Brazil.....		20		19
Colombia.....	20,090	28,172	31,699	44,822
Venezuela.....				
Total South America.....	20,090	28,192	31,699	44,841
Asia and Oceania:				
China.....		281		3
East Indies—				
British.....	3,326	11,341	6,135	5,466
Dutch.....	8,740	11,650	5,352	167
Hongkong.....	123	156	18	320
Japan.....	891	1,349	3,514	1,488
Turkey.....		2,491		2,945
British Australasia.....		154	2,780	3,304
French Oceania.....	132,065	65,256	236,521	224,757
Philippine Islands.....				479
Hawaiian Islands.....				33
Total Asia and Oceania.....	146,051	92,678	254,320	238,962
Africa:				
British.....	9	24	999	
French.....				100
Other African ports.....	2,708	3,763	611	2,065
Total Africa.....	2,717	3,787	1,810	2,165
All other islands and ports.....	932	2,300	8,830	2,809
Grand total.....	507,236	886,283	1,269,519	643,349
Imports for consumption.....	506,723	886,191	1,270,811	643,251

86. *Statement by countries of the imports of manufactures of shells, including mother-of-pearl, during each year from 1891 to 1894, inclusive.*

Countries from which imported.	1891.	1892.	1893.	1894.
Europe:				
Austria-Hungary.....		\$10,668	\$35,686	\$157,379
Belgium.....		8	57	13
England.....	\$11,440	44,026	25,469	25,298
France.....		109,800	177,473	136,487
Germany.....		14,437	19,301	20,523
Italy.....		1,367	1,760	11,340
Netherlands.....		50	87	27
Switzerland.....		2,511	2,745	3,223
Turkey.....		23	836	45
Total Europe.....	11,440	182,890	263,420	363,245
North America:				
Canada.....		57	257	50
Mexico.....		89	208	99
Nicaragua.....		212	126	
West Indies:				
British.....		776	473	619
Cuba.....		12	48	
Haiti.....			10	
Total North America.....		1,146	1,182	768

86. *Statement by countries of the imports of manufactures of shells, including mother-of-pearl, during each year from 1891 to 1894, inclusive—Continued.*

Countries from which imported.	1891.	1892.	1893.	1894.
Asia and Oceania:				
China				\$16
East Indies—British.....				670
Hongkong		\$12	\$177	138
Japan		779	625	1,896
Turkey		987	1,608	2,976
French Oceania.....			204	
Total Asia and Oceania.....		1,778	2,614	5,696
All other islands and ports		69	30	127
Grand total.....	\$11,440	185,883	267,246	369,836

The imports of mother-of-pearl, not cut or manufactured, were first separately classified in 1891, and from the following table it appears that most of these are received from England, with occasionally large imports from the Netherlands, France, Germany, etc.

87. *Statement by countries of the imports of mother-of-pearl, not cut or manufactured, during each of the four years ending June 30, 1894.*

Countries from which imported.	1891.	1892.	1893.	1894.
England	\$2,177	\$4,641	\$27,014	\$2,507
France		5,746		
Germany			2,231	
Netherlands	1,600		22,225	
Quebec, Ontario, etc.....		853		
Total	3,777	11,240	51,470	2,507

Exports by countries.—The shells exported consist largely of abalone shells from the Pacific coast, which are sent principally to England and France. Table 88 shows the value of those exported to each foreign country during the year ending June 30, 1894. The customs returns do not show similar data for preceding years.

88. *Statement by countries of the exports of unmanufactured shells from the United States during the year ending June 30, 1894.*

Countries.	Value.
France	\$14,080
Germany	5,564
Spain	25
United Kingdom	51,028
Quebec	187
Mexico	4
British West Indies	1,580
Turkey in Asia	643
Egypt.....	867
Total.....	74,328

XVI.—MISCELLANEOUS ARTICLES.

In addition to the aforementioned articles, there are several fishery products that enter into our trade with foreign countries in small quantities. Among these are ambergris, ambergris oil, coral, fish skins, seal skins, seaweeds, etc. It remains to give a brief account of the extent of the trade in these articles.

Ambergris and ambergris oil.—The quantity of ambergris and ambergris oil placed on the world's markets annually is very small, rarely exceeding 1,000 pounds. It is obtained principally by whale fishermen, and probably 20 per cent is secured by American vessels. Only a small quantity is used in this country, most of the domestic production being sent to Europe. Each year, however, a small quantity specially prepared is imported for use in the preparation of choice perfumery and other purposes. The following table shows the imports for consumption of these products from 1869 to 1894, inclusive:

89. *Statement of the imports for consumption of ambergris and ambergris oil into the United States from 1869 to 1894, inclusive.*

Year ending June 30—	Ambergris.			Ambergris oil.			Total values.
	Pounds.	Values.	Average values per pound.	Pounds.	Values.	Average values per pound.	
1872		\$1,328					\$1,328
1873		1,110		0.33	\$31	\$93.36	1,141
1874		4,046		1.62	322	108.10	4,368
1875		5,217					5,217
1876		1,700		1.87	706	377.51	2,406
1877		694		3.90	745	191.03	1,439
1878		83		1	185	185.00	3,275
1879		3,215					3,215
1880				16.06	2,062	184.43	2,062
1881		55		6.50	2,402	378.77	2,517
1882		5,408					5,408
1883		2,715		.44	390	886.30	3,105
1884	18	4,015	\$226.20	.25	92	369.84	4,107
1885	47	5,685	120.96				5,685
1886	101	1,673	16.17	.50	175	350.38	1,848
1887	23	2,649	117.42	6.13	542	88.49	3,191
1888	93	6,774	72.67				6,774
1889	437	5,852	13.39				5,852
1890	50	1,454	29.08	11.23	2,920	260.00	4,374
1891	71	3,731	52.55	8	1,509	188.63	5,240
1892	6	1,288	226.30	1.22	427	350.00	1,715
1893	26	6,667	256.42				6,667
1894	37	5,112	138.16				5,112
Total		70,481		59.05	13,408		83,910

Coral.—Coral is obtained principally from the waters of the Mediterranean Sea and by Italian fishermen. The most extensive markets are Genoa, Leghorn, and Naples. No commercial coral is produced in the United States. Twenty-five years ago this article was in great demand for ornamental purposes, but at present it is not so highly esteemed in America.

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The imports of coral for consumption from 1869 to 1894, inclusive, have been as follows:

90. Statement of the imports for consumption of coral into the United States from 1869 to 1894, inclusive.

Year ending June 30—	Not cut, or un-manufactured.	Cut, or manufactured.	Total.	Year ending June 30—	Not cut, or un-manufactured.	Cut, or manufactured.	Total.
1869.....		\$22,417	\$22,417	1883.....	\$681	\$1,302	\$1,983
1870.....		18,975	18,975	1884.....			158
1871.....		37,877	37,877	1885.....			559
1872.....	\$83	59,598	59,681	1886.....			218
1873.....	230	63,805	64,035	1887.....			307
1874.....	528	28,152	28,680	1888.....			594
1875.....	1,278	33,567	34,845	1889.....			461
1876.....	109	33,559	33,668	1890.....			531
1877.....	718	28,650	29,368	1891.....			213
1878.....	1,252	12,667	13,919	1892.....	533	845	1,378
1879.....	147	11,327	11,474	1893.....	608	657	1,265
1880.....	62	5,492	5,554	1894.....	153	1,738	1,911
1881.....	89	2,502	2,591				
1882.....	1,474	669	2,143	Total.....			374,905

Fish skins.—Skins of various fishes, but principally of sharks, are imported into the United States for use in arts and manufactures. They come principally from England, but are originally obtained largely from the Mediterranean Sea. The imports from 1869 to 1894, inclusive, amounting in value to \$4,333 are shown in Table 12, on page 449.

A large quantity of skins produced in the fisheries of the United States are annually exported. Among these are alligator hides, porpoise skins, etc. The customs-house returns, however, do not indicate separately the quantity or value of these products exported. Small quantities of fish skins have been exported during recent years, a statement of the extent of which is given in Table 25, on page 468.

Seal skins.—Another important product of the United States fisheries dependent on foreign countries is seal skins. The customs returns do not classify this article separately, but the exports amount to at least 99 per cent of the domestic product. The San Francisco value of the undressed skins produced in the United States fisheries in 1895 approximated \$659,000, and in 1894 about \$600,000. Practically all of these skins are sent to London to be dressed, and doubtless a large portion of them are again imported into this country. When imported they are listed with other furs, both of land and marine animals, and a separate statement of the imports is impracticable.

Seaweeds.—The uses of marine plants as food and for manufacturing and agricultural purposes are of more value than is generally supposed, and doubtless capable of much greater development, especially in this country. In France, China, and Japan numbers of people find profitable employment in collecting and preparing them.

In the United States large quantities of seaweeds are gathered from along the shore for fertilizing the adjacent fields, but they are rarely carried into the interior of the country. Irish moss (*Chondrus crispus*) is gathered in small quantities on the coast of Massachusetts and sold for culinary purposes and for sizing calicoes, etc. Dulse (*Rhododymenia palmata*) is quite common on the New England coast, but is gathered

only to a very limited extent. Small quantities are imported each year from the British Provinces and sold rough-dried, principally in the sea-port towns. No doubt several important industries could be developed in this country in gathering and preparing seaweeds.

The imports of seaweed and seaweed preparations during each year from 1869 to 1894, inclusive, are shown in Table 12 on page 449.

XVII.—APPENDIX.

A series of compilations is here presented, showing approximately the rates of duty exacted on fishery products and fishing appliances imported into various foreign countries. These data have been compiled from the publications of the Bureau of American Republics and the International Customs Journal, published by the International Customs Tariff Bureau, Brussels, Belgium. The figures in certain instances given in the first column are the numbers that the different items bear in the original tariff enactments. In reducing to American equivalents, the valuation on July 1, 1895, is adopted for fluctuating currencies.

AUSTRIA-HUNGARY.

(General law of May 25, 1882, with alterations of law of May 21, 1887.)

[Florin = \$0.32. Kilogram = 2.2046 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
51	Fish, fresh; river and creek crawfish; snails, fresh (by convention, free)	100 kilos	Florins. 2.00	\$0.29
52	Shellfish from the sea (i. e., oysters, lobsters, crabs); turtles, not prepared	do	25.00	3.62
59	Sponges:			
	Bathing and horse	do	15.00	2.17
	Other	do	60.00	8.71
68	Spermaceti	do	4.00	.58
	Fish oil	do	1.00	.15
86	Herrings, salted or smoked	do	3.00	.43
87	Fish, not otherwise provided for, salted, smoked or dried (by convention, 3 florins)	do	5.00	.72
88	Fish, prepared (pickled or preserved in oil, etc.), in casks	do	15.00	2.17
80	Caviar	do	50.00	7.24
92	All entables contained in boxes, jugs, cans, and bottles, hermetically sealed	do	40.00	5.80
105	Ambergris	do	15.00	2.17
230	Whalebone, split	do	5.00	.72
248	Corals, prepared, i. e., ground, cut, or otherwise worked upon; genuine pearls, not set, if not coming under fancy goods	do	24.00	3.48
272	Fishing tackle	do	50.00	7.24
320	Glue of all kinds	do	6.00	.87
341	Spermaceti candles	do	11.00	1.60

AZORES.

(The customs duties operative in the Azores are those of Portugal, in addition to which there are certain municipal import duties.)

BELGIUM.

No.	Items.	Duty.
15	Fish, including oysters and all preserved fish and shellfish	Free.
21	Nets and other articles for sea fishing (such as fishhooks, outlasses, blocks, tubs, axes, etc., necessary to fishermen)	Do.
30	Fish oil	Do.
33	Whalebone and mother-of-pearl	5 p.ct.

DENMARK.

(Revised to December, 1894.)

[Kroner = \$0.268. Pound = $\frac{1}{16}$ United States pound.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
2	Turtles	100 pounds...	Kroner. 0.50	\$0.14
6	Bones (n. e. s.)	do	33.33	0.06
22	Fish:			
	Alive and fresh		Free.	
	Dried, smoked, salted, preserved, or spiced—			
	Anchovies, lampreys, salmon, sardines, caviar, mussels,	100 pounds...	6.25	1.70
	and oysters	do	.62	.17
	Other sorts	do	14.58	3.96
	In hermetically closed cans	do	4.16	1.13
47	Oils, not otherwise specified	do		

FRANCE.

(Tariff law of January 11, 1892.)

[Franc = \$0.193. Kilogram = 2.2046 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
14	Turtles	100 kilos	Francs. 20.00	\$1.75
29	Poil de messine (silk gut used only for fishing lines)		Free.	
44	Fish:			
	Fresh, sea	100 kilos	20.00	1.75
	Fresh, fresh-water of the salmonoid family	do	10.00	.875
	Fresh water, other	do	5.00	.44
45	Dried, salted, smoked, cod, or klipp fish	do	48.00	4.20
	stockfish and herrings	do	15.00	1.32
	Other dried, salted, or smoked	do	25.00	2.19
	Preserved in oil or pickled	do	25.00	2.19
47	Oysters:			
	Fresh, seed		Free.	
	Fresh, other	Per thousand	1.50	
	Pickled	100 kilos	5.00	.44
48	Lobsters:			
	Alive or fresh boiled	do	15.00	1.32
	Preserved or prepared	do	25.00	2.19
49	Mussels and other shellfish		Free.	
50	Fish oils	100 kilos	6.00	.526
51	Whale oil, spermaceti:			
	Crude	do	5.00	.439
	Pressed	do	10.00	.875
	Refined	do	15.00	1.317
	Roe, cod and mackerel	do	.00	.053
52	Whalebone, uncut		Free.	
54	Seal skins, raw		Free.	
55	Coral, rough, uncut		Free.	
50	Pearls, fine (natural)		Free.	
57	Fish bladders, raw or simply dried		Free.	
58	Sponges, raw	100 kilos	35.00	3.045
	prepared, fine	do	65.00	5.687
62	Turtle shell		Free.	
64	Nacreous shells, mother-of-pearl, halotis, and others for working		Free.	
321	Spermaceti candles	100 kilos	16.00	1.40
324	Fish glue or isinglass	do	40.00	3.50
547	Fishhooks	do	100.00	8.75
539	Fishing nets	do	20.00	1.75
329	Coral, cut, unset		Free.	
331	Strips of whalebone, cut and prepared	100 kilos	100.00	8.75

GERMANY.

(Tariff law of July 15, 1879, as amended May 22, 1885, and again December 21, 1887.)

[Mark = \$0.238. Kilogram = 2.2046 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
2	Cotton fish nets, new	100 kilos	<i>Marks.</i> 3.00	\$0.32
5	Sea grass and sea tangle		Free.	
12	Seal skins and skins of fish, for leather		Free.	
20	Wares partially or entirely of genuine pearls or corals	100 kilos	600.00	64.77
20	Wares partially or entirely mother-of-pearl, or turtle shells	do	200.00	21.59
25	Fish:			
	Fresh		Free.	
	Salt (with exception of herring), imported in barrels; dried, smoked, roasted, cooked. (Stockfish, dried cod.)	100 kilos	3.00	.32
	Preserved with vinegar, oil, or spices, imported in barrels	do	12.00	1.30
	Other prepared fish of all sorts, hermetically sealed	do	00.00	0.48
	Herring, salt	Per barrel	3.00	.16
	Salt herring not in usual commercial packing	100 kilos	2.00	.22
	Salt herring intended for manure after denaturalization		Free.	
	Caviar and caviar surrogate	100 kilos	150.00	16.19
	Sea animals, and the like, preserved, steamed, or salted, in bottles, cans, and the like	do	00.00	0.48
	Other sea mussels, or shellfish	do	24.00	2.59
	Oysters, lobsters, and turtles	do	50.00	5.39
33	Pearls and coral, unset	do	60.00	6.48
26	Fish fat and fish oil	do	3.00	.32
37	River crabs, fresh or cooked; wash sponges, and other fish products, mussels from the sea, fresh or cooked, unshelled, with exception of oysters		Free.	

ITALY.

(Tariff law of January 1, 1892.)

[Lira = \$0.193. Kilogram = 2.2046 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
0	Fixed oils:		<i>Lira.</i>	
	Mixed fish	100 kilos	6	\$0.525
	Not otherwise mentioned	do	15	1.31
102	Fishing nets, as the material, and in addition thereto	10 per cent		
300	Fish:			
	Fresh of all kinds		Free.	
	Dried or smoked	100 kilos	5	.437
	In brine	do	6	.525
	Seasoned in oil or vinegar (including tunny fish) in boxes	do	30	2.826
	Seasoned in oil or vinegar (including tunny fish) otherwise preserved	do	30	2.826
307	Caviar and other prepared fish eggs	do	30	2.826
320	Fish glue or isinglass	do	15	1.31
323	Sponges:			
	Common—			
	Crude		Free.	
	Cleaned	100 kilos	40	3.80
	Fine—			
	Crude		Free.	
	Cleaned	100 kilos	200	17.508
324	Coral:			
	Not manufactured		Free.	
	Manufactured, if not mounted with gold	Kilo	1,000	87.64
325	Mother-of-pearl:			
	Not manufactured		Free.	
	Manufactured	100 kilos	150	13.13

GREECE.

(Law of 1887, as amended to take effect 1st (13th) February, 1892.)

[Drachma = \$0.193. Oke = 2.84 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
12	Candles, sperm.....	Oke.....	<i>Drachma.</i> 2.00	\$13.59
22	Fish:		<i>Free.</i>	
	Fresh fish in general, and sponge.....			
	Salted, smoked, or dried, except following.....	Oke.....	.30	2.04
	White mullet, sardines, tunny, lobsters, etc., in cans.....	do.....	2.00	13.59
	Inkfish, octopod, eels, oysters.....	do.....	.50	3.40
	Codfish and stockfish.....	do.....	.20	1.36
	Red caviar.....	do.....	.20	1.36
	Black caviar.....	do.....	3.00	20.39
	Shellfish, except oysters.....	do.....	.05	.35
28	Fish glue:			
	Common.....	do.....	.40	2.72
	Refined.....	do.....	1.00	6.79
38	Real pearls, prepared.....		<i>Free.</i>	
	Coral.....	Oke.....	1.00	6.79
47	Fish oil.....	do.....	.50	3.40

NETHERLANDS.

(Tariff law in effect July 1, 1895.)

[Florin = \$0.402. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....		<i>Florins.</i> 5 per cent.	
Coral, manufactured.....		do.....	
Fish, preserved in tins.....	100 kilos.....	25.00	\$4.55
Mother of pearl shells, manufactured.....		5 per cent.	
Oil.....	100 kilos.....	.55	10
Whalebone (mercery).....		5 per cent.	

NORWAY.

(Law as amended, to go into effect August 1, 1892.)

[Krone = \$0.268. Kilogram = 2.2046 pounds.]

Item.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Coral, crude or unmanufactured.....		<i>Krone.</i> <i>Free.</i>	
Cotton fish nets, as the material, and in addition thereto.....		10 per cent.	
Fish, pickled, spiced, or preserved in oil, smoked, and caviar.....	Kilogram.....	.40	\$4.60
Other fish.....		<i>Free.</i>	
Fishing rods.....	Kilogram.....	.35	4.25
Fish and whale oil.....	do.....	.04	.48
Iceglass or fish glue.....	do.....	1.50	18.23
Linon fish nets, as the material, and in addition thereto.....		10 per cent.	
Pearls, natural, not set.....		<i>Free.</i>	
Sardines or anchovies.....	Kilogram.....	.20	2.40
Other canned fish.....	do.....	.40	4.80
Seal skin, dressed, single or sewed together.....	do.....	2.40	29.17
Spermaceti oil.....	do.....	.04	.48
Sponges.....	do.....	2.67	32.45
Whalebone, cut.....		<i>Free.</i>	

PORTUGAL.

(Tariff law of June 17, 1892.)

[1000 reis=:\$1.08. Kilogram=2.2046 pounds.]

No.	Item.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
13	Sponges.....	Kilogram	270	\$13.22
26	Fish oil.....	do	10	.49
38	Pearls.....		3 per cent ad val.	
152	Wax, animal.....	Kilogram	22	1.08
348	Codfish.....	do	39	1.91
349	Shellfish.....	do	6	.20
	Fish:			
350	Fresh, unprepared.....	do	10	.49
351	Salted, pressed, smoked, or pickled.....	do	20	.98
352	Sardines, fresh, salted, or pressed.....	do	5	.24
357	Alimentary preserves.....	do	200	9.79
404	Fishing nets.....	do	120	5.42
429	Whalebone, prepared in the rough.....	do	800	39.19
500	Candles, sperm.....	do	120	5.87

RUSSIA.

(Revised to January, 1891.)

[Ruble=\$0.389. Pound=14 ounces avoirdupois. Pood=36.112 English pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Spermaceti.....	Pood.....	Rubles. 1.20	\$1.29
Whale and cod-liver oil, unpurified.....	do.....	.60	.65
Mother of pearl.....	do.....	2.40	2.58
Fish glue.....	do.....	6.00	6.46
Fish skins.....	do.....	10.80	11.64
Sponges.....	do.....	2.40	2.58
Whalebone of all kinds.....	do.....	2.65	2.85
Fish:			
Fresh—			
Turbot, soles, trout.....	do.....	2.40	2.58
All other kinds.....	do.....	.12	.13
Pickled and prepared in oil, also caviar.....	do.....	5.00	5.38
Salted and smoked, except herrings.....	do.....	1.20	1.29
Herrings, salted or smoked; cod and all other fish, kippered or air dried.....	do.....	.27	.29
Oysters, lobsters, etc., in hermetically sealed vessels.....	do.....	5.00	5.38
Furs:			
Seal skins.....	do.....	18.00	19.39
Sea otter.....	do.....	36.00	38.77

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SPAIN AND BALEARIC ISLANDS.

(Tariff law taking effect February 1, 1892, modified by law of July 16, 1892.)

[Peseta = \$0.193. Kilogram = 2.2046 pounds.]

No.	Item.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
125	Sperm of whale:		<i>Pesetas.</i>	
	In mass.....	100 kilos	20.00	\$1.75
	Manufactured.....	do	25.00	2.19
250	Animal fats.....	do	1.00	.09
290	Codfish and stockfish.....	do	18.00	1.58
	Law of July, 1876—provisional duty.....	do	3.00	.26
	Law of July, 1877—municipal duty.....	do	3.00	.26
291	Fresh fish.....	do	1.50	.13
292	Fish, salted, smoked, or pickled.....	do	12.00	1.05
293	Seed oysters and shellfish.....	do	3.00	.26
294	Oysters and shellfish.....	do	8.00	.70
341	Whalebone, shell, and coral, in the rough or cut in strips.....	Kilogram	.10	.87
342	Coral and mother-of-pearl, manufactured.....	do	17.10	149.02
343	Whalebone, manufactured.....	do	2.50	21.88

SWEDEN.

[Kroner = \$0.268. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Bones:		<i>Kroner.</i>	
Walrus teeth.....	100 kilos	118.00	\$14.35
Other kinds.....	do	35.00	4.26
Fish:			
Anchovies and sardines, in oil or brine, hermetically sealed (weight of boxes included).....	do	20.00	2.43
Other kinds preserved (weight of boxes included).....	do	30.00	3.65
All other kinds of fish, fresh, dry or salted.....	do	Free.	
Fish glue.....	100 kilos	20.00	2.43
Oils.....	do	Free.	
Other skins, undressed.....	100 kilos	25.00	3.04
Other skins, dressed.....	do	40.00	4.86
Sturgeon sounds.....	do	170.00	20.67

SWITZERLAND.

(General tariff law of January 1, 1893.)

[Franc = \$0.193. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Sponges.....	100 kilos	<i>Francs.</i> 20.00	\$1.75
Fish glue and isinglass.....	do	7.00	.61
Fresh fish.....	do	2.50	.22
Fish, dried, salted, pickled, smoked, or otherwise prepared:			
In receptacles of less than 5 kilograms weight.....	do	16.00	1.40
In receptacles of more than 5 kilograms weight.....	do	1.00	.09
Shellfish: Oysters, lobsters, etc., fresh.....	do	30.00	2.62
Fish oil, in casks.....	do	.50	.04
Spermaceti.....	do	.50	.04
Whalebone:			
Raw or stripped.....	do	4.00	.34
Polished.....	do	16.00	1.40
Mother-of-pearl.....	do	10.00	.87
Pearls, not set.....	do	50.00	4.38
Coral, not set.....	do	80.00	6.83

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MEXICO.

(Law of May 15, 1891, modified by decree of April 30, 1894, to take effect July 1, 1894.)

[Peso = \$0.528. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm	Kilogram	<i>Pesos.</i> 0.20	\$4.79
Coral, in the rough	do .....	.25	7.99
Coral, wrought	do	1.50	35.93
Fish: Frosh and in ice		<i>Free.</i>	
Fish and shellfish, dry, salted, smoked, or pickled	Kilogram .....	.12	2.87
Preserved fish and shellfish	do .....	.15	3.59
Fish glue	do .....	.15	3.59
Mother-of-pearl, in the rough	do .....	.25	7.99
Oil, cod liver	do .....	.10	2.40
Oil, fish	do .....	.10	2.40
Pearls, unset	Carat .....	.50	.....
Spermaceti	Kilogram .....	.25	7.99
Sponges, fine	do	2.00	47.90
Sponges, common	do .....	.40	9.58
Whalebone	do .....	.10	2.40

COSTA RICA.

(Tariff law of September 7, 1885.)

[Peso = \$0.486. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish:		<i>Pesos.</i>	
With or without oil, in tins or otherwise	Kilogram	0.07	\$1.54
Shellfish, preserved, with or without oil, or with condiments, in cans, or otherwise	do .....	.07	1.54
Fishhooks	do	1.00	24.03
Glue	do .....	.11	2.42
Mother-of-pearl, manufactured	do	2.17	47.84
Oil	do .....	.11	2.42
Pearls, fine, unmounted	do	100.00	.....
Spermaceti	do .....	.07	1.54
Whalebone	do .....	.54	11.90

GUATEMALA.

(Tariff promulgated November 4, 1893, and in force since January 1, 1894, and supplementary decree of December 20, 1893, reducing the additional duties imposed by former laws to 15 per cent.)

[Peso = \$0.486. Kilogram = 2.2046 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
47	Cod, dried, salted, or smoked, in bulk		<i>Pesos.</i>	
924	Fishhooks, all kinds, with or without gut and float, including weight of container	Kilogram	<i>Free.</i> .30	\$6.61
1701	Coral, wrought, polished, or cut into beads, including weight of container	do	2.00	44.09
1748	Fish glue	do .....	.80	17.64
1861	Spermaceti, in cakes, gross weight	do .....	.25	5.51
1862	Spermaceti, in candles, gross weight	do .....	.30	6.61
1863	Sponges	do	6.00	132.27
1904	Whalebone	do .....	.75	16.53
2038	Caviar, gross weight	do .....	.25	5.51
2047	Codfish and herring, dried, salt, smoked, or pickled, packed in wood or earthen vessels	do .....	.15	3.31
2048	Canned, preserved, or in oil	do .....	.25	5.51
2075	Lobsters, preserved	do .....	.25	5.51
2101	Salmon, canned	do .....	.25	5.51
2102	Sardines, smoked, salted, pickled, or dried, not in cans	do .....	.15	3.31
2103	Sardines, in cans	do .....	.25	5.51
2113	Shellfish, preserved in any package	do .....	.24	5.29
2114	Shrimp, canned	do .....	.25	5.51
2174	Ambergris, net weight	Gram	1.00	.....
2550	Isinglass	Kilogram .....	.80	17.63
2839	Fish oil	do .....	.10	2.20
2841	Cod-liver oil	do .....	.20	4.41

HONDURAS.

[Peso = \$0.486. Libra = 1.043 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm	Libra	.04	\$1.80
Coral in any form, except when set in gold or silver	do	.50	23.30
Fish:			
Pickled, salted, or smoked	do	.02	.93
Canned	do	.08	3.73
Sardines, in oil or otherwise	do	.04	1.86
Fish glue	do	.18	8.39
Mother-of-pearl	do	.24	11.18
Oil, cod-liver	do	.02	.93
Oil, other	do	.02	.93
Spermaceti	do	.04	1.86
Sponges	do	.50	23.80

NICARAGUA.

(Tariff law of July 25, 1888.)

[Peso = \$0.486. Libra = 1.043 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm	Libra	.05	\$2.33
Coral, manufactured	do	2.50	116.45
Coral, mounted with gold or silver	do	5.00	232.90
Fish:			
Shellfish, all kinds, preserved in oil, vinegar, etc	do	.04	1.86
Dried or smoked	do	.03	1.40
Preserved in oil, vinegar, etc	do	.07	3.28
Dried or smoked	do	.05	2.33
Fish glue	do	.06	2.80
Fishhooks	do	.20	9.32
Oil, cod-liver, and other	do	.03	1.40
Pearls, real, not set	do	5.00	232.90
Sponges of all kinds	do	1.00	46.59
Whalebone	do	.40	18.64

NOTE.—Decree of December 19, 1891, No. IV, increased above duties 100 per cent.

SALVADOR.

(Law of March 24, 1888, revised to March 23, 1892.)

{Peso = \$0.486. Kilogram = 2.2046 pounds.}

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Coral, unmanufactured	Kilogram	5.00	\$110.22
Fish:			
Herring, cod, and other fish, not further prepared than dried, salted, or smoked	do	.15	3.31
Fish prepared in vessels of tin, glass, or earthenware	do	.20	4.40
Fishhooks	do	.35	7.71
Fish glue	do	.10	2.20
Mother-of-pearl, unmanufactured	do	.20	4.40
Oil, cod liver	do	.30	6.60
whale	do	.08	1.76
Pearls, fine	do	10.00	220.45
Spermaceti, in mass	do	.20	4.40
manufactured in any form	do	.30	6.60
Sponges of all kinds	do	5.00	110.22
Whalebone	do	1.00	22.04

BRITISH HONDURAS.

(Act of January 4, 1895.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....	Pound.....	\$0.02	\$2.00
Fish, salted, dry, or wet.....		Free.	
Fresh fish and fresh oysters.....	Gallon.....	Free.	
Oil.....		.06	
Turtle, live.....		Free.	
Other products.....		10 per cent.	

BRITISH WEST INDIES—BAHAMAS.

[Shilling = \$0.243.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....	100 pounds.....	s. d. 11 0	\$2.67
Caviar and other fish ova.....		Free.	
Fish:			
Dried or salted.....	100 pounds.....	2 6	.50
Pickled salmon, shad, and mackerel.....	Barrel.....	4 6	.49
Pickled herring, alewives, and other kinds.....	do.....	4 6	.49
Fresh.....		Free.	
Sperm oil.....	Gallon.....	1 0	
Sponges.....		Free.	
Turtle.....		Free.	

BRITISH WEST INDIES—JAMAICA.

(Revised to January, 1893.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....	Pound.....	s. d. 0 2	\$4.05
Fish:			
Fresh fish and turtle.....		Free.	
Canned.....		8 per cent.	
Dried or salted.....	100 pounds.....	3 6	.74
Smoked, not otherwise enumerated or described.....	Pound.....	0 0½	1.00
Alewives, pickled.....	Bbl., 200 lbs.....	2 6	.30
Herring, pickled.....	do.....	2 6	.30
smoked.....	Pound.....	0 0½	.50
Mackerel, pickled.....	Bbl., 200 lbs.....	4 6	.49
Pickled, not otherwise enumerated or described.....	do.....	4 6	.49
Salmon, smoked.....	Pound.....	0 2	4.05
wet or salted.....	Bbl., 200 lbs.....	10 6	1.22
All others.....		12½ per cent.	

BRITISH WEST INDIES—BARBADOS.

(Tariff of 1889.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Blubber and heads and offal of fish.....		Free.	
Fish:			
Dried, salted, or smoked.....	Quintal.....	\$0.05	\$0.045
Pickled.....	Barrel.....	.10	.05
Fresh fish and turtle.....		Free.	
Fish on ice and salmon and oysters in cans.....		Free.	
All others.....		8 per cent.	
Turtle-shells, unmanufactured.....		Free.	

DUTCH WEST INDIES.

(All fishery products imported pay 1½ per cent ad valorem.)

FRENCH WEST INDIES—GUADALOUPE.

[Franc = \$0.193. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
		<i>Francs.</i>	
Ambergris.....		10 per cent.	
Fish:			
Canned.....	100 kilos	40.00	\$3.48
Codfish, dried, salted, or smoked.....	do	3.00	.20
In oil.....	do	21.00	1.83
Oil: Cod liver.....	do	15.00	1.32
Fish.....	do	15.00	1.32
Oysters.....	do	15.00	1.32
Sponges.....		10 per cent.	
Turtles.....		5 per cent.	
All others.....		6 per cent.	

FRENCH WEST INDIES—MARTINIQUE.

[Franc = \$0.193. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
		<i>Francs.</i>	
Candlos, spirit.....	100 kilos	4.30	\$0.38
Fish:			
Dry, salted, or smoked codfish.....	do	4.00	.35
Anchovies.....	do	16.00	1.40
In cans, natural state, pickled or otherwise prepared.....	do	16.00	1.40
Others.....	do	2.70	.24
Fish fat.....	do	3.75	.33
Turtles, sea.....	do	6.46	.57
All others.....		5.35 per cent.	

CUBA.

[Peso = \$0.926. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
		<i>Pesos.</i>	
Fish:		Free.	
Live.....			
Common sorts, smoked, dried, salted, or pickled, as Halifax and Newfoundland cod, herring, mackerel, skate, hake, haddock, pressed sardines, exclusive of weight of brine.....	100 kilos	1.80	\$0.76
Superior sorts, dried or pickled, as anchovies, tunny fish, salmon, cod sounds, Norwegian, Swedish, and Scotch cod, stockfish, and other north European and all classes of live and dried shellfish, including weight of brine and package, if glass.....	do	2.85	1.20
Sardines preserved in tins, including package.....	do	12.00	5.04
Fish of other kinds preserved in oil, not specified above, pickled or otherwise prepared; fresh or canned oysters, including package.....	do	1.80	.76
Oil, fish, liquid, including weight of interior package when of glass.....	do	5.20	2.10
Oil, solid, as spermaceti.....	do	4.50	1.89
Whalebone, coral, and mother-of-pearl, rough.....	Kilogram	1.50	63.60
Whalebone, cut and prepared to be used, but unpolished.....	do	2.60	109.20
Whalebone, polished and prepared for use.....	do	2.60	109.20

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PUERTO RICO.

[Peso = \$0.926. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Alimentary conserves.....	Kilogram.....	<i>Pesos.</i> .01	4.20
Coral and mother-of-pearl, not cut.....	do.....	1.50	63.00
Fish:			
Codfish and stockfish.....	100 kilos.....	.90	.38
Fresh, salted, smoked, pickled, and shellfish.....	do.....	.90	.38
Live.....		Free.	
Oils.....	100 kilos.....	4.50	1.89
Whalebone.....	Kilogram.....	1.50	63.00
Spermaceti, manufactured or crude.....	100 kilos.....	4.50	1.89

HAITI.

(Revised to September 1, 1893.)

[Gourde = \$0.965.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Alimentary conserves.....	Can.....	<i>Gourde.</i> .10	\$9.65
Fish:			
Anchovies—			
In cases of 12 boxes.....	Dozen.....	.30	
In pots.....	Pot.....	.15	
Codfish.....	Cwt.....	1.40	1.35
Codfish tongues, in kegs or pots.....	Each.....	.12	
Eels.....	Quintal.....	2.00	1.93
Alewives.....	Barrel.....	1.50	.72
smoked.....	Box.....	.06	
Herring.....	Barrel.....	1.50	.72
smoked, in $\frac{1}{4}$ or $\frac{1}{2}$ barrel or box.....	Each.....	.06	
Mackerel.....	Barrel.....	1.50	.72
Oysters, pickled in kegs or pots.....	Each.....	.18	
Salmon—			
In barrels (200 pounds).....	Barrel.....	1.50	.72
In half barrels (100 pounds).....	Half-barrel.....	.75	.72
In quarter barrels (50 pounds).....	Quarter-barrel.....	.37	.72
Sardines—			
In barrels.....	Barrel.....	.50	
In pots.....	Pot.....	.20	
In oil, tin boxes.....	Box.....	.10	
Same, half boxes.....	Half boxes.....	.08	
Same, quarter boxes.....	Quarter box.....	.04	
Fish glue.....	Pound.....	.05	4.82
Fishhooks, assorted.....	Thousand.....	.50	
Fishing lines.....	Pound.....	.04	3.86
Pearls, fine.....		20 per cent.	
Spermaceti.....	Pound.....	.10	9.65
Sponges, fine.....	do.....	.35	33.77
common, for horses.....	do.....	.06	5.79

SANTO DOMINGO.

[Mexican dollar = \$0.528. Liter = 1.0567 quart. Quintal = 112 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
		Mexican dollars.	
Candles, sperm	Quintal	24.00	\$11.32
Coral, not made into ornaments	Pound	3.60	190.08
Fish:			
Anchovies	do	.18	9.50
Cod, dry or salt	Quintal	1.80	.85
Herring, smoked	do	1.80	.85
Mackerel, No. 1	Barrel	4.80	1.27
No. 2	do	7.20	1.00
No. 3	do	6.00	1.58
Oysters, however packed	do	4.80	1.27
Salmon, pickled or unpickled	Quintal	6.00	2.82
Sardines, salted	do	7.20	3.39
in oil, however packed	do	4.80	2.26
Tunny, in brine	Pound	.18	9.50
in oil	do	.06	3.17
Fishhooks	do	.12	6.33
Fishing lines	do	.90	47.52
Oil, cod liver	Quintal	7.20	3.30
4 to 32 ounce phials	Liter	.30	
fish	Pound	.24	12.67
spermaceti or whale	Gallon	.24	1.27
do	do	.30	1.58
Pearls	Ounce	3.60	
Preserved food, in cans	do	.12	6.33
Spermaceti, crude	Pound	15.00	7.07
manufactured	Quintal	30.00	14.13
Sponges, fine	do	3.60	190.08
common	Pound	2.40	126.72
Whalebone	do	.15	7.92

ARGENTINA.

(January 1, 1893.)

[Peso = \$0.905. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
		Pesos.	
Ambergris	Gram	.25	
Caviar	Kilogram	.20	\$8.75
Fish:		Free	
Fresh			
Cod and other similar fish	Kilogram	.09	3.92
Same in pieces	do	.15	6.57
Codfish tongues, wrapping or vessel included	do	.138	6.04
Fish in brine or pressed, vessel included	do	.096	4.20
Fish and shellfish, preserved in oil or natural	do	.30	13.13
Herring—			
Smoked, in firkins	do	.144	6.29
Smoked, in boxes	do	.24	10.51
Oysters, including container	do	.09	3.94
Skrimp, dry	do	.312	13.65
Stockfish, in bundles, including wrapper	do	.12	5.20
Fish glue	do	1.00	43.77
Fishhooks	do	.155	6.78
Oils	100 kilos	.32	.14
Oil, cod liver	Kilogram	.05	2.19
Pearls	Gram	.36	
Spermaceti	Kilogram	.20	8.75
Spermaceti candles, in packages, including wrapper	do	.225	9.85
Sponges:			
Fine for toilet	do	12.50	547.10
Fair for toilet	do	5.00	218.84
Bath and carriage	do	2.00	87.54
For horses	do	.875	38.20
Medicated, Bahama, for scrubbing	do	.50	21.88

BOLIVIA.

(Law of November 25, 1893.)

[Boliviano = \$0.486. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Ambergris	Kilogram	<i>Bolivianos.</i> 18.00	\$396.72
Caviar	do	.30	6.60
Coral, in natural state	do	1.50	33.06
Fish:			
Codfish	do	.0375	.83
Dried, smoked; not canned	do	.03	.66
Canned	do	.05	1.10
In brine, in wood	do	.025	.55
Fish or shellfish, in oil or water	do	.075	1.65
Lobsters, shrimps, and oysters	do	.05	1.10
Sardines, in oil	do	.0875	1.92
Fish glue	do	.90	19.84
Fishhooks, all sizes	do	.15	3.30
Isinglass	do	.18	3.06
Oil:			
Cod liver	do	.21	4.62
Whale and seal, crude	do	.036	.80
refined	do	.06	1.32
Sperm, crude	do	.06	1.32
refined	do	.105	2.31
Spermaceti, crude	do	.21	4.63
refined	do	.30	6.61
Sponges, fine	do	3.60	79.34
common	do	.75	16.53
Whalebone, rough	do	.12	2.64
manufactured	do	.75	16.53

BRAZIL.

(Tariff promulgated by decree No. 836 of the Provisional Government on the 11th of October, 1890.)

[Milreis = \$0.546. Kilogram = 2.2046 pounds. Gram = 15.432 grains.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Ambergris	Gram	<i>Milreis.</i> .30	.....
Coral, branch or manufactured	Kilogram	5.00	\$123.82
Fish:			
Dried, salted, or pickled	do	.04	1.00
Fresh or frozen	do	.04	1.00
Sardines and other preserved fish	do	.48	11.88
All others	do	.70	17.33
Fishing nets	do	2.40	59.42
Mother-of-pearl, rough, sawed, or prepared	do	.64	15.81
Oil, for lubricating	do	.15	3.70
purified	do	.50	12.38
cod liver	do	.64	15.81
Shells, not classified	do	.30	7.43
Spermaceti	do	.40	9.90
Sponges:			
Fine	do	14.00	346.71
Common	do	3.00	74.30
Whalebone	do	.26	6.44

CHILE.

[Peso = \$0.912. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Ambergria	Kilogram	Pesos. 15.00	\$620.50
Coral, rough or unworked		15 per cent.	
Candles, spermaceti	Kilogram	.35	14.49
Caviar, in wood, including package	do	.28	11.58
Fish:			
Anchovies, sardines, etc., dried, smoked, or in brine--			
In wood, gross weight	do	.0595	2.40
In tin, crockery, or glass, gross weight	do	.0875	3.60
Codfish, mackerel, etc., dried, smoked, or in brine--			
In wood, gross weight	do	.042	1.72
In tin, including package	do	.0595	2.40
Fish tongues, in brine, gross weight	do	.105	4.30
Large dogfish, in packing cloth, gross weight	do	.0525	2.17
Lobsters and shrimps, in water, gross weight	do	.0875	3.60
Oysters, in water, in tin, crockery, or glass, gross weight	do	.0875	3.60
Salmon, in water, in tin, crockery, or glass, gross weight	do	.0875	3.60
Salmon, dried, smoked, or in brine, in wood, gross weight	do	.0395	2.40
in tin, including package	do	.077	3.19
Sardines in oil, gross weight	do	.1225	5.10
Fish glue	do	.0625	2.57
Fishhooks, including wrapper	do	.15	6.20
Fishing nets		15 per cent.	
Isinglass, shredded, including wrappings	Kilogram	.75	31.03
Oil:			
Cod liver	do	.175	7.20
Whale or seal, crude, gross weight	do	.0325	1.35
refined, gross weight	do	.055	2.27
Sperm, crude, gross weight	do	.06	2.47
refined, gross weight	do	.105	4.35
Spermaceti, crude	do	.20	8.30
refined	do	.3125	14.40
Sponges, fine, conical, sample No. 183	do	5.00	206.85
medium, sample No. 181	do	2.50	103.42
common, sample No. 185	do	.75	31.03
Whalebone, in the rough	do	.11	4.55

COLOMBIA.

(Revised to December, 1893.)

[Peso = \$0.486. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Codfish in brine, and all fresh fish	Kilogram	Pesos. .05	\$1.10
Salmon and other preserved fish	do	.20	4.41
Fish glue	do	.20	4.41
Spermaceti, not manufactured	do	.20	4.41
in candles, etc.	do	.30	6.62

ECUADOR.

(Law of September 4, 1890.)

[Peso = \$0.486. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm	Kilogram	Pesos. .05	\$1.10
Coral	do	1.50	33.07
Fish, salted, like that imported from Peru	do	.02	.44

NOTE.—A surcharge of 20 per cent for the distinct purposes specified by law went into effect after the signing of an agreement for the liquidation of the English debt; also an additional duty of 10 per cent for the liquidation of the national debt.

BRITISH GUIANA.

(Ordinance 1892; revised to June, 1894.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish:			
Dried.....	112 pounds.....	\$0.50	\$0.44
Pickled—			
Mackerel.....	Barrel.....	1.00	.50
Salmon.....	do.....	2.00	1.00
Others.....	do.....	.25	.125
Preserved in tins or bottles, except oysters and salmon.....	Pound.....	.01	1.00
Salmon and oysters in cans.....		Free.	
Smoked.....	Pound.....	.005	.50
Fresh fish, turtles and fish on ice.....		Free.	
Fishing apparatus of all kinds.....	do.....		
Isinglass.....	Pound.....	.05	5.00
Oil.....	Gallon.....	.25	

URUGUAY.

[Peso = \$1.034. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Ambergris.....	Hectogram.....	<i>Pesos.</i> 28.80	
Candles, sperm, including package.....	Kilogram.....	.14	\$6.58
Coral.....	do.....	2.74	128.60
Fish:			
Anchovies—			
In oil, including package.....	do.....	.30	14.10
In brine, in flasks, tins, or crocks.....	do.....	.10	4.70
In brine, in barrels or boxes, gross weight.....	do.....	.07	3.20
Codfish, dry, and stockfish in general, gross weight.....	do.....	.09	4.23
Codfish tongues, gross weight.....	do.....	.09	4.23
Dried fish—			
In jars, cans, or crocks, including package.....	do.....	.30	14.10
In casks or boxes, gross weight.....	do.....	.05	2.35
Herrings dried, in boxes of one dozen.....	Dozen.....	.093	
Oysters and lobsters, including packages.....	Kilogram.....	.30	14.10
Fish pickled in boxes or casks.....	do.....	.07	3.20
In jars or crocks, including package.....	do.....	.10	4.70
Preserved fish, including package.....	do.....	.30	14.10
Sardines—			
In oil, including packages.....	do.....	.30	14.10
Pressed, gross weight.....	do.....	.05	2.35
Pickled, in boxes or casks, gross weight.....	do.....	.07	3.20
Pickled, in jars, cans, or crocks, including package.....	do.....	.30	14.10
Fishhooks, not snedded.....	do.....	.31	14.57
snedded.....	do.....	.62	29.14
Horsehair fishing lines.....	Thousand.....	.62	
Oil:			
Cod liver, in kegs or tins.....	Kilogram.....	.159	7.47
Whale.....	Quart.....	.0465	
Fish.....	Kilogram.....	.0558	2.63
Sponges:			
Pressed.....	do.....	.31	14.57
Washed, in general, with or without sand.....	do.....	1.55	72.85
Small, medium, and fine.....	do.....	10.85	500.90
Whalebone, smooth or rough.....	do.....	1.86	87.42

PERU.

[Sol = \$0.486. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm, in baskets, bales, or cases, gross	Kilogram	1625	\$3.50
Coral, in natural state	do	2.00	44.08
Fish:			
Dried or smoked, not in tins, gross weight	do	.01	.22
in tins, gross weight	do	.02	.44
In brine, in wooden packages	do	.01	.22
in tins or jars	do	.02	.44
Preserved fish and shellfish	do	.12	2.64
Sardines in tins, gross weight	do	.10	2.20
Fish glue	do	.01	.22
Fish hooks	do	.40	8.82
Fishing lines	do	.10	2.20
Oil cod lines	do	.18	3.97
Pearls, unset		3 per cent	
Spermaceti, in cakes	Kilogram	.40	8.82
Sponges:			
Fine	do	4.00	88.18
Common	do	1.20	26.45

VENEZUELA.

(Revised to October, 1895.)

[100 Centimos = 1 bolivar. Bolivar = \$0.193. Kilogram = 2.2046 pounds.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm	Kilogram	125	\$10.94
Fish:			
In brine, salted, or smoked, not in tins	do	25	2.10
In cans, not specified	do	75	6.57
Sardines packed in oil or any other form	do	25	2.19
Fishhooks	Kilogram	Free.	
Fishing lines of hair	do	75	6.57
Fishing nets of all kinds	do	1,000	87.50
Fishing twine of linen or flax for nets and lines	do	75	6.57
Isinglass	do	125	10.94
Oil:			
Cod liver	do	125	10.94
Fish	do	75	6.57
Pearls	do	1,000	87.50
Shells, loose or made up in pieces or ornaments	do	250	21.88
Spermaceti	do	75	6.57
Sponges	do	125	10.94

CAPE VERDE ISLANDS.

(All fishery products imported pay a duty of 20 per cent ad valorem.)

EGYPT.

Commercial treaty with United States November 16, 1884. A duty of eight per cent ad valorem is imposed on all products from the United States, computed on the price at the port of discharge.

LIBERIA.

(March 1, 1890.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish, dried	Pound	\$0.01	\$1.00
pickled	Barrel	1.00	.50

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MAURITIUS.

(Law of January 1, 1894.)

[Rupee = \$0.231. Kilogram = 2.2046 pounds. Hectoliter = 22 imperial or 20.417 U. S. standard gallons.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish:		<i>Rupees.</i>	
Dried or salted	100 kilos	1.08	\$0.113
Pickled	do	1.25	.131
Glue	do	3.00	.314
Oil	Hectoliter	2.50	
All other		7½ per cent.	

CHINA.

[10 candarins = 1 mace. 10 mace = 1 tael. 1 tael = \$0.80. 1 picul = 100 catties = 133½ pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate daily.	
12	Candles, sperm		<i>l. m. c.</i>	
22	Fish:		Free.	
	Dried	Picul	5	\$0.30
	Salt	do	1 8	.11
	Fresh		Free.	
	Shellfish, caviar, etc.	do	do	
28	Glue	Picul	1 5 0	.90
47	Oil		5 per cent.	

JAPAN.

(All fishery products imported pay a duty of 5 per cent ad valorem.)

KOREA.

Items.	Duty.
	<i>Per cent.</i>
Candles, sperm	7½
Coral	10
Fish, fresh	5
Fish, dried and salted	7½
Isinglass, all kinds	7½
Preserved goods	7½
Sea products, as seaweed, beche-de-mer, etc.	7½

PHILIPPINE ISLANDS.

(Royal decree of January 8, 1891.)

[Kilogram = 2.2046 pounds.]

No.	Items.	Duty.		Rate per 100 pounds.
		Unit.	Rate.	
96	Spermaceti	100 kilos	\$3.30	\$1.50
236	Salt codfish and stockfish	Kilogram .....	.04	1.81
237	Fish, fresh	do .....	.01	.45
238	Fish, salted, pressed, smoked, or pickled	do .....	.06	2.72
239	Shellfish	do .....	.05	2.27
	Whalebone and mother-of-pearl:			
274	In rough or cut in strips or plates	do .....	.01	.45
275	In form of jewelry or ornament	do .....	.05	2.27
291	Candles, sperm	do .....	.22	0.98

Note.—By decree of July 10, 1895, a transitory impost of 4 per cent on above was established.

BRITISH EAST INDIES—CEYLON.

(Law of January, 1890.)

[Rupee = \$0.231.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....		<i>Rupees.</i> 6½ per cent.	
Coral.....		Free.	
Cowries and shells (not tortoise shell).....		Free.	
Fish, dried, salted, roes, fins, skins, and blood, the produce of creatures living in the sea.	Cwt	0.50	\$0.103
Fish oil.....		Free.	
Fishermen's nets.....		Free.	
Machinery for the manufacture of fish manures.....		Free.	
Pearls.....		Free.	
Pearl oysters.....		Free.	

AUSTRALASIA—NEW SOUTH WALES.

(Act of March 2, 1892.)

[Shilling = \$0.243.]

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....		<i>Pence.</i> 1	\$2.06
Fish, dried, preserved, or salted.....	Pound	1	2.06
Oil:			
Sperm, not in bottles.....		Free.	
Black whale, not in bottles.....		Free.	
Others.....	Gallon.	6	1.21
Oysters.....		Free.	
Pearl shell.....		Free.	
Shark fins and beche-de-mer.....		Free.	

AUSTRALASIA—NEW ZEALAND.

(Revised to November 30, 1891.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....		<i>s. d.</i> 0 2	\$1.12
Fish:			
Dried, pickled, or salted.....	Cwt.	10 0	2.17
Potted and preserved.....	Pound	0 2	4.12
Oysters, preserved.....	do	0 2	4.12
Sardines.....	do	0 2	4.12
Anchovies, salted in casks.....		Free.	
Fishing lines.....		20 per cent.	
Fishing glass.....		15 per cent.	
Fish glue.....	Pound	1½	3.09
Oil, cod liver, fish, whale, and seal.....		Free.	

AUSTRALASIA.—QUEENSLAND.

(Revised to October 4, 1892.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish:		<i>s. d.</i>	
In pickle or brine	Cwt	5 0	\$1.08
Dried and salted	do	5 0	1.08
Preserved, potted or paste	Pound	2	4.12
Sardines	12 pounds	2 0	4.05
Fishing material		15 per cent.	
Oil:			
Cod liver, medicinal	Gallon	1 0	
Fish, seal, and whale	do	6	
Sponges		15 per cent.	

AUSTRALASIA—TASMANIA.

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish:		<i>s. d.</i>	
In pickle or brine		12½ per cent.	
Dried and salted	Pound	1	\$2.00
Preserved, potted or paste		12½ per cent.	
Maws		12½ per cent.	
Sardines		12½ per cent.	
Fishing lines		12½ per cent.	
Fishing material, not cordage		12½ per cent.	
Oil:			
Cod liver, medicinal		12½ per cent.	
Fish, seal, and whale	Gallon	1 3	
Sponges		12½ per cent.	

AUSTRALASIA—SOUTH AUSTRALIA.

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Fish:		<i>Pence.</i>	
Dried and salted, and sardines (except in pickle or brine)	Pound	1	\$2.00
Preserved	do	2	4.12
Fish glue	do	2	4.12
Fishing nets		Free.	
Oil		Free.	
Pearls, unset		Free.	
All others		12 per cent.	

AUSTRALASIA—VICTORIA.

(Revised to March, 1894.)

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm	Pound	<i>Pence.</i> 2	\$4.12
Fish		20 per cent.	
Oil, fish	Gallon	6	1.22

AUSTRALASIA—WEST AUSTRALIA.

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....	Pound.....	<i>Pence.</i> 2	\$4.12
Fish.....		12 per cent.	
Oil, fish.....	Gallon.....	6	1.22
cod liver.....		Free.	

POLYNESIA—BRITISH NEW GUINEA.

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Candles, sperm.....	Pound.....	<i>Pence.</i> 1	\$2.06
Fish:			
Preserved.....		10 per cent.	
Dried or salted.....		Free.	
Isinglass.....	Pound.....	1	2.06
Oils, except for medicinal use.....	do.....	6	12.36
Pearl shells.....		Free.	
Sponges.....		10 per cent.	

POLYNESIA—FIJI.

Items.	Duty.		Rate per 100 pounds.
	Unit.	Rate.	
Beche-de-mer.....		<i>Pence.</i> Free.	
Fish, dried, preserved, and salt.....		10 per cent.	
Fishing lines.....		10 per cent.	
Fishing nets.....		Free.	
Glue.....		10 per cent.	
Isinglass.....	Pound.....	3	\$6.18
Live oysters.....		Free.	
Oil, except cod liver.....	Gallon.....	9	1.88
Pearl shells.....		Free.	
Sponges.....		10 per cent.	
All other.....		5 per cent.	