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DEPARTMENT OF COMMERCE

U.S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE

E. E. PRATT, Chief

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EUROPEAN MARKETS FOR FISH

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LETTER OF SUBMITTAL.

DEPARTMENT OF COMMERCE,
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,
Washington, March 31, 1915.

SIR: There is submitted herewith a report on the European markets for fish, with a few additional paragraphs on the Egyptian industry. With the exception of a few extracts from consular reports, the information and statistics have been compiled in the Bureau.

Respectfully,

E. E. PRATT,
Chief of Bureau.

To Hon. WILLIAM C. REDFIELD,
Secretary of Commerce.

EUROPEAN MARKETS FOR FISH.

INTRODUCTION.

Although the catch of the American fisheries is as valuable as that of any other country in the world, it is not so important as some others in proportion to the size and population of the country. In some parts of the United States fish forms an important part of the diet, but in most sections it is looked upon simply as an occasional substitute for the customary meat and not at all as a necessity. It is therefore difficult for the American to appreciate the importance of fisheries to great sections of Europe, where any diminution in the fish supply would mean actual hardship.

The statistics contained in this report have been brought together to show the extent to which various European countries depend upon the fisheries. A glance at these statistics will indicate the seriousness of any prolonged interruption of the European industry.

For purposes of comparison there are inserted here two tables of statistics relating to the fishing industry in the United States. The first shows the American catch of the more important fishes in 1908, as determined by the Bureau of the Census in conjunction with the Bureau of Fisheries:

Species.	Pounds.	Value.	Species.	Pounds.	Value.
Oysters.....	233,309,000	\$15,713,000	Catfish.....	17,817,000	\$785,000
Salmon.....	90,417,000	3,347,000	Mussel shells, pearls, and slugs.....	81,869,000	692,000
Cod.....	110,054,000	2,914,000	Snapper.....	13,854,000	651,000
Shad.....	27,641,000	2,113,000	Alewives.....	89,978,000	589,000
Lobster.....	15,279,000	1,931,000	Flounders.....	23,346,000	588,000
Clams.....	16,717,000	1,896,000	Pike perch.....	15,247,000	580,000
Squeteague.....	49,869,000	1,776,000	Sponges.....	622,000	545,000
Halibut.....	34,441,000	1,562,000	Whitefish.....	7,722,000	524,000
Haddock.....	59,987,000	1,308,000	Bluefish.....	7,647,000	506,000
Carp, German.....	42,763,000	1,135,000	Buffalo fish.....	16,729,000	498,000
Lake herrings.....	41,118,000	989,000	Shrimp and prawn.....	19,080,000	494,000
Crabs.....	52,913,000	912,000	Hake.....	34,340,000	464,000
Mullet.....	33,703,000	908,000	Pollack.....	29,462,000	402,000
Menhaden.....	394,776,000	893,000	All other.....	183,577,000	6,872,000
Mackerel.....	12,103,000	848,000			
Lake trout.....	12,024,000	800,000			
Herrings, salt-water.....	125,050,000	796,000	Total.....	1,893,454,000	54,031,000

The second table indicates the distribution of the American fisheries; it shows the output of the various State fisheries in 1908:

States.	Pounds.	Value.	States.	Pounds.	Value.
Massachusetts.....	244,313,000	\$7,095,000	Delaware.....	70,769,000	\$541,000
Virginia.....	312,515,000	4,719,000	Pennsylvania.....	11,888,000	513,000
New York.....	76,485,000	4,694,000	Texas.....	10,439,000	446,000
Washington.....	100,456,000	3,513,000	Alabama.....	10,665,000	387,000
Florida.....	74,087,000	3,389,000	Missouri.....	6,751,000	271,000
Maryland.....	113,796,000	3,306,000	South Carolina.....	14,104,000	288,000
Maine.....	173,843,000	3,257,000	Indiana.....	15,507,000	223,000
New Jersey.....	74,827,000	3,069,000	Iowa.....	8,867,000	215,000
Connecticut.....	66,942,000	2,982,000	Arkansas.....	12,567,000	207,000
California.....	47,477,000	1,970,000	Minnesota.....	7,475,000	192,000
North Carolina.....	101,422,000	1,776,000	Tennessee.....	4,506,000	112,000
Rhode Island.....	44,254,000	1,752,000	Kentucky.....	5,390,000	110,000
Louisiana.....	46,106,000	1,569,000	New Hampshire.....	677,000	53,000
Michigan.....	38,302,000	1,473,000	Kansas.....	432,000	28,000
Illinois.....	74,620,000	1,436,000	Nebraska.....	399,000	22,000
Oregon.....	28,217,000	1,356,000	South Dakota.....	70,000	4,000
Wisconsin.....	30,953,000	1,067,000	West Virginia.....	33,000	2,000
Ohio.....	28,917,000	840,000	Oklahoma.....	8,000	-----
Georgia.....	14,828,000	701,000			
Mississippi.....	20,547,000	556,000	Total.....	1,893,454,000	54,031,000

More recent statistics for the total catch of all the American fisheries are not available, but the Bureau of Fisheries issues annual bulletins that show in considerable detail the extent and value of certain selected fisheries. Such a bulletin relating to the fishery products landed at Boston and Gloucester during the calendar year 1914 has just been issued.

The Boston and Gloucester fleets in 1914 numbered 393 vessels of all classes. They brought in 7,598 fares or trips of fish, aggregating 162,589,220 pounds, for which the fishermen received \$4,395,030. The catch of the principal fishes as landed in a fresh, frozen, or salted condition was as follows:

Species.	Pounds.	Value.	Species.	Pounds.	Value.
Cod.....	47,529,625	\$1,359,416	Halibut.....	3,379,585	\$276,350
Haddock.....	57,754,128	1,381,156	Herrings.....	10,748,847	227,213
Hake.....	12,752,971	242,503	Mackerel.....	6,688,850	354,725
Pollack.....	12,454,723	199,736	Swordfish.....	1,499,844	177,669
Cusk.....	5,858,990	102,779	All others.....	3,921,657	73,483

Practically the entire catch of the vessels discharging at Boston consisted of fresh fish, which were sold in that condition, while about two-fifths of the receipts at Gloucester were salted, and a large part of those brought in fresh were subsequently salted before sale.

EXPORTS OF AMERICAN FISH.

The only American fish product that is exported on a large scale is canned salmon. This well-known article is sold all over the world, although three-fourths of the exports go directly to England, from which country it is reexported in large quantities. Exports of canned salmon in 1914 totaled nearly \$8,000,000, of which practically \$6,000,000 worth went to England. The exports of all American fish and fish products for the fiscal years 1910, 1913, and 1914 are shown by countries of destination in the following table:

FRESH FISH, EXCEPT SALMON.

Countries of destination.	1910		1913		1914	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.
Europe:						
Denmark.....					18,375	\$2,060
Germany.....	32,054	\$2,885	90,815	\$12,340	339,616	43,280
Sweden.....					2,600	320
United Kingdom—England.....					43,161	4,978
North America:						
Bermuda.....					2,615	346
Canada.....	4,245,054	190,514	5,277,775	269,933	5,166,956	260,089
Central American Sts.—Panama.....					24,296	1,803
Mexico.....	32,222	2,986	10,104	791	5,407	634
West Indies—						
British—						
Jamaica.....			212	18		
Other British.....			950	47	1,500	187
Cuba.....	341,332	14,488	64,234	2,346	855,279	48,078
South America:						
Brazil.....	637	69				
Colombia.....	1,000	58				
Oceania:						
British—Australia.....					3,850	188
Philippine Islands.....	51,114	2,870	73,158	5,857	70,805	4,908
Total.....	4,703,413	213,870	5,517,248	291,332	6,534,460	366,871

DRIED, SMOKED, OR CURED COD, HADDOCK, HAKE, AND POLLOCK.

Countries of destination.	1910		1913		1914	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.
Europe:						
France.....	205	\$10				
Germany.....	21,000	618				
Greece.....			2,250	\$290		
Italy.....	120,360	4,825				
Portugal.....	7,300	300				
United Kingdom—England.....	10,000	475	24,000	1,350	1,000	\$75
North America:						
Bermuda.....	561	50	1,028	91	4,905	406
British Honduras.....	77,259	3,111	99,262	5,303	117,017	6,180
Canada.....	44,354	2,106	91,576	6,299	113,469	6,521
Central American States—						
Costa Rica.....	23,760	1,425	55,745	3,639	74,265	4,878
Guatemala.....	80,191	4,738	125,643	8,610	132,317	10,110
Honduras.....	26,066	1,127	62,156	3,342	67,702	3,822
Nicaragua.....	27,450	1,034	40,522	2,192	31,942	1,766
Panama.....	270,174	13,210	186,654	9,919	140,224	10,133
Salvador.....	6,020	460	9,980	837	12,500	1,196
Mexico.....	31,628	2,300	100,905	7,705	108,631	8,454
Newfoundland and Labrador.....	1,060	52	1,607	119	1,080	56
West Indies—						
British—						
Barbados.....			7,100	335	4,500	252
Jamaica.....			31,842	2,030	17,010	905
Trinidad and Tobago.....			2,904	150	79,340	4,556
Other British.....	122,994	7,006	7,731	362	4,374	194
Cuba.....	212,409	11,627	250,288	10,567	980,071	59,846
Danish.....	174,189	6,164	181,210	7,690	103,129	4,377
Dutch.....	36,687	2,520	13,844	1,180	12,947	1,138
French.....	184	16				
Haiti.....	28,442	1,662	163,219	11,576	1,393,327	118,038
Santo Domingo.....	650,117	21,628	1,478,520	70,361	1,556,018	84,274
South America:						
Bolivia.....			458	48	270	23
Brazil.....	309,278	20,911	856,879	55,838	391,327	25,108
Chile.....	5,700	386				
Colombia.....	15,348	915	11,547	804	12,407	976
Ecuador.....	600	53	470	41	2,410	248
Guiana.....						
British.....	9,770	475	94,666	3,923	217,798	9,967
Dutch.....	214,120	10,425	254,644	10,449	297,553	12,565
French.....	21,134	824	13,132	544	8,108	418
Peru.....	2,010	182	2,380	223	148	14
Venezuela.....	61,931	4,023	66,815	3,955	50,218	2,558
Asia:						
China.....	18,310	1,395	17,229	1,434	16,531	1,390
Chosen.....	688	61	1,403	138	563	57
East Indies—						
British—						
Straits Settlements.....			200	14	50	4
Other British.....	320	26	2,270	161		
French.....	6,112	440	1,750	132	1,654	111
Hongkong.....	76,300	5,117	81,990	1,963	73,135	1,917
Japan.....	3,340	249	3,035	275	2,660	206
Oceania:						
British—						
Australia.....	164,310	10,593	61,400	4,228	62,000	4,389
New Zealand.....	4,150	290	13,912	1,062	12,400	993
Other British.....	120	10	380	39	280	30
French.....	9,330	658	13,080	889	15,155	1,141
Germany.....	10,276	684	10,870	667	8,364	572
Philippine Islands.....	24,860	2,307	10,160	1,121	14,950	1,824
Africa:						
German Africa.....	12,320	290				
Liberia.....	17,956	786	21,928	1,014	13,128	541
Total.....	3,051,449	150,567	4,484,414	245,812	6,156,907	395,359

DRIED, SMOKED, OR CURED HERRINGS.

Europe:						
Germany.....	750	830				
United Kingdom—						
England.....	150	5				
Scotland.....	2,740	70			11,980	\$885
North America:						
Bermuda.....					3,750	138
British Honduras.....	1,888	67	5,165	\$216	10,949	389
Canada.....	5,235	248	329,193	3,995	462,150	9,443

DRIED, SMOKED, OR CURED HERRINGS—Continued.

Countries of destination.	1910		1913		1914	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.
Central American States—						
Costa Rica.....	4,267	\$170	3,179	\$115	3,167	\$116
Guatemala.....	560	20	2,932	347	7,823	263
Honduras.....	100	4	4,953	186	5,958	211
Nicaragua.....	575	19	1,738	66	1,759	58
Panama.....	31,965	1,098	37,722	1,315	55,242	2,255
Mexico.....	1,029	65	3,575	133	2,555	105
West Indies—						
British—						
Barbados.....	34,200	1,402	1,000	35	12,400	488
Jamaica.....			1,612	76	3,865	190
Trinidad and Tobago.....			29,080	1,262	24,329	993
Other British.....			8,332	387	7,920	319
Cuba.....	88,314	3,108	117,596	4,518	463,693	17,095
Danish.....	20,296	745	35,425	1,227	48,759	1,774
Dutch.....	17,716	688	28,578	1,142	44,342	1,689
French.....	6,600	246	114,690	4,356	215,731	7,090
Haiti.....	166,252	6,937	865,896	26,555	2,550,930	98,159
Santo Domingo.....	145,092	6,108	263,512	9,259	1,119,590	41,750
South America:						
Argentina.....					1,000	40
Brazil.....			56,200	2,711		
Chile.....			251	11		
Colombia.....	304	11	1,440	43	3,445	121
Guiana—						
British.....					20,525	810
Dutch.....	12,300	505	23,569	1,072	12,378	573
French.....	1,279	49	1,000	39		
Peru.....					60	2
Venezuela.....	13,466	500	16,211	844	3,745	151
Asia:						
China.....	200,000	2,000	3,482,891	38,258	631,300	6,312
Hongkong.....	338,100	3,390	3,664,110	37,148	3,352,205	36,567
Japan.....			5,437,810	73,494	1,398,600	13,980
Africa: British Africa—West.....	3,500	75				
French Africa.....	1,200	50				
Liberia.....	18,244	637	1,480	70	784	35
Total.....	1,116,122	28,247	14,539,140	208,880	10,480,334	211,701

ALL OTHER DRIED, SMOKED, OR CURED FISH.

Europe:						
France.....	22,201	\$1,474				
Germany.....					450	\$26
Roumania.....	1,400	125				
United Kingdom—England.....			9,412	\$424	301	20
North America:						
Bermuda.....			240	16		
British Honduras.....	649	34	238	12	4,094	165
Canada.....	23,592	1,732	483,915	21,790	89,365	7,428
Central American States—						
Costa Rica.....			4,950	259	8,258	520
Guatemala.....	3,673	191	1,047	65	11,264	802
Honduras.....	42	2	825	57	2,236	94
Nicaragua.....	269	14	1,380	97	337	14
Panama.....	112	4	11,058	613	1,789	107
Mexico.....	16,981	1,330	47,418	4,154	14,974	1,283
Newfoundland and Labrador.....			1,150	65		
West Indies—						
British—						
Barbados.....	8,290	509	136	19		
Jamaica.....						
Trinidad and Tobago.....						
Other British.....					200	17
Cuba.....	23,092	723	3,900	156	258,543	7,455
Danish.....					47,928	2,140
Dutch.....	200	46				
French.....					975	34
Haiti.....	60,033	2,829				
Santo Domingo.....	60,801	2,833	58,259	2,217	48,900	1,883
South America:						
Brazil.....			785,967	50,445		
Chile.....	3,267	99				
Colombia.....	270	20	124	10		

ALL OTHER DRIED, SMOKED, OR CURED FISH—Continued.

Countries of destination.	1910		1913		1914	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.
South America—Continued.						
Guiana—						
British.....					4,032	\$323
Dutch.....	16,250	\$1,622	36,118	\$1,465		
French.....					10,500	483
Venezuela.....			9,376	422	400	19
Asia:						
China.....	3,500	350	176,300	4,456	9,500	1,491
Straits Settlements.....					50,000	843
Hongkong.....	1,500	150	3,328,185	154,968	3,381,379	145,536
Japan.....			1,717,390	30,744	100,500	6,675
Oceania:						
French.....			1,280	88	990	61
German.....			600	36		
Philippine Islands.....	160	14	210	26	3,500	250
Africa: Liberia.....			1,856	75		
Total.....	246,282	14,101	6,681,334	272,649	4,050,415	177,669

PICKLED FISH.

	Barrels.		Barrels.		Barrels.	
Europe:						
Denmark.....			1,492	\$10,825	6,046	\$44,260
Finland.....			690	7,185	450	4,665
France.....	3	\$25			3	30
Germany.....					28	431
Netherlands.....			5	44		
Norway.....			590	5,275	605	6,250
Russia in Europe.....					762	6,170
Sweden.....			200	2,130	2,080	18,581
United Kingdom—						
England.....	6	46	61	358	250	1,635
Scotland.....	2	15			12	120
North America:						
Bermuda.....			5	41	30	164
British Honduras.....	3	37	24	179	64	436
Canada.....	104	1,014	71	976	515	4,599
Central American States—						
Costa Rica.....	73	799	172	2,109	192	1,882
Gautemala.....	13	158	29	231	55	428
Honduras.....	2	24	19	138	73	569
Nicaragua.....	7	84	15	115	20	139
Panama.....	147	1,291	75	848	84	960
Mexico.....	5	47	16	200	29	267
West Indies—						
British—						
Barbados.....			44	364	266	2,355
Jamaica.....			251	1,982	589	3,610
Trinidad and Tobago.....	367	4,330	54	617	188	2,206
Other British.....			131	1,022	100	840
Cuba.....	605	3,978	1,519	9,483	116	1,423
Danish.....	454	2,631	391	2,417	242	1,689
Dutch.....	55	582	93	924	33	206
French.....	5	36	30	219	12	100
Haiti.....	8,114	44,254	14,541	82,603	19,855	102,320
Santo Domingo.....	39	459	446	4,634	304	3,335
South America:						
Brazil.....	272	6,165			1,743	14,876
Chile.....					2	22
Colombia.....	8	93	25	247	10	99
Guiana—						
British.....	491	4,936	23	266	275	3,071
Dutch.....	364	3,144	886	7,247	825	6,749
French.....	3	35	9	106	26	245
Peru.....					18	
Venezuela.....	5	52	2	20	2	20
Asia:						
China.....			14	253		
Hongkong.....	100	1,805	21	420		
Oceania:						
British—						
New Zealand.....			3	34		
Other British.....			3	30		
French.....			1	12		
German.....			3	33	1	19
Philippine Islands.....	6	66				
Africa: Liberia.....			1	7		
Total.....	11,253	76,106	21,956	143,612	35,887	234,771

CANNED SALMON.

Countries of destination.	1910		1913		1914	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.
Europe:						
Azores, and Madeira Islands.....	100	\$12				
Belgium.....			13,000	\$940	45,590	\$3,024
Denmark.....			186,996	17,485	75,693	6,110
Finland.....			2,400	250		
France.....	1,878	223	33,120	2,710	14,400	1,443
Germany.....	424	51	41,929	3,688	85,738	4,870
Gibraltar.....			2,400	250	5,100	541
Italy.....			720	75	6,720	644
Malta, Gozo, etc.....			9,600	732	2,400	300
Netherlands.....	9,744	1,020	9,456	1,005	11,000	1,100
Norway.....			250	26	3,300	320
Russia in Europe.....	11,580	1,210				
Spain.....	5,100	506	1,300	134	3,795	365
Sweden.....					7,200	700
Turkey in Europe.....					1,500	150
United Kingdom—						
England.....	44,737,072	4,709,160	25,076,343	2,674,626	62,318,612	5,982,247
Scotland.....			30,640	3,333	274,080	23,906
Ireland.....					7,200	450
North America:						
Bermuda.....	26,484	2,383	58,392	5,633	43,346	3,986
British Honduras.....	28,310	2,606	27,153	2,768	31,486	3,430
Canada.....	9,022	7,570	992,053	105,813	3,632,465	314,917
Central American States—						
Costa Rica.....	157,946	12,237	100,964	7,627	149,848	10,247
Guatemala.....	16,821	1,361	53,991	4,162	46,171	3,744
Honduras.....	16,240	1,361	34,213	3,146	57,387	5,821
Nicaragua.....	28,116	2,066	128,597	9,185	50,497	3,880
Panama.....	482,717	45,404	587,909	48,959	367,678	31,350
Salvador.....	5,498	423	17,136	1,373	13,806	1,000
Mexico.....	697,217	50,782	1,427,853	102,853	754,172	53,608
West Indies—						
British—						
Barbados.....			32,303	3,542	77,836	6,013
Jamaica.....			288,243	26,107	188,856	17,805
Trinidad and Tobago.....	548,561	53,039	169,123	17,743	175,590	16,171
Other British.....			51,239	5,865	73,274	7,158
Cuba.....	68,737	6,486	160,933	13,281	306,749	21,917
Danish.....	14,655	1,512	6,716	742	13,259	1,273
Dutch.....	9,838	1,160	27,464	2,811	34,511	3,181
French.....	196	18	270	28	894	95
Haiti.....	2,038	185	12,765	1,210	2,670	260
Santo Domingo.....	22,120	2,058	94,393	7,975	77,120	5,682
South America:						
Argentina.....	229,461	15,690	110,404	9,984	51,444	4,472
Bolivia.....	33,502	2,941	43,648	2,329	26,944	1,634
Brazil.....	267,354	28,241	219,492	22,820	80,129	7,211
Chile.....	1,556,629	92,259	2,318,720	143,574	2,123,237	134,678
Colombia.....	114,274	9,494	173,760	13,018	183,508	12,760
Ecuador.....	272,411	16,487	293,175	17,787	277,488	15,280
Guiana—						
British.....	222,398	22,133	214,349	22,438	132,455	13,444
Dutch.....	57,509	6,297	69,223	6,578	97,859	8,153
French.....	17,724	1,784	21,178	1,605	7,266	665
Peru.....	367,676	24,817	513,311	34,129	301,374	19,091
Uruguay.....	11,730	1,167	8,633	883	4,660	351
Venezuela.....	43,144	4,887	148,878	17,222	186,074	15,936
Asia:						
Aden.....			240	21	552	28
China.....	28,522	2,688	83,568	6,760	45,504	3,980
China, leased territory—						
British.....	3,120	345			1,920	200
Japanese.....			192	22		
Chosen.....	2,016	220	13,200	1,011	2,928	266
East Indies—						
British—						
British India.....	294,252	22,876	550,694	38,069	327,817	21,168
Straits Settlements.....	918,275	76,285	1,635,282	116,365	1,541,408	90,292
Other British.....	34,224	2,458	143,856	8,962	135,840	9,141
Dutch.....	189,604	15,920	356,448	31,084	331,776	22,408
French.....					624	43
Hongkong.....	121,558	12,234	767,810	49,360	480,036	32,109
Japan.....	3,716	352	2,256	289	2,614	274
Russia in Asia.....					111	13
Siam.....	1,008	93	39,360	2,208	480	60
Turkey in Asia.....			632	58	4,352	420
Other Asia.....	480	45				

CANNED SALMON—Continued.

Countries of destination.	1910		1913		1914	
	Pounds.	Value.	Pounds.	Value.	Pounds.	Value.
Oceania:						
British—						
Australia.....	5,351,172	\$538,854	6,331,184	\$764,379	5,961,723	\$666,703
New Zealand.....	123,646	12,458	194,836	20,377	95,136	9,289
Other British.....	66,826	5,160	53,006	4,036	73,984	5,168
French.....	241,200	22,589	335,800	34,790	389,424	37,218
German.....	360,576	22,554	381,744	27,560	534,484	33,247
Philippine Islands.....	5,425,404	396,604	10,122,820	590,128	5,034,252	266,369
Africa:						
British Africa—						
West.....			9,400	1,020		
South.....	357,051	37,707	376,977	31,170	295,607	24,561
Egypt.....	1,440	120	20,936	1,808	15,024	1,059
German Africa.....	910	92	2,830	305	2,860	306
Italian Africa.....					2,400	230
Portuguese Africa.....	151,470	14,674	52,460	5,029	36,650	3,238
Spanish Africa.....			800	85	1,000	113
Total.....	63,860,696	6,314,258	55,290,966	5,103,340	87,750,920	7,999,293

ALL OTHER SALMON.

Countries of destination.	1910	1913	1914	Countries of destination.	1910	1913	1914
Europe:				South America:			
Austria-Hungary.....			\$75	Bolivia.....		\$30	
Belgium.....		\$730		Brazil.....	\$3,029	173	
Denmark.....	\$83,580	53,494	84,727	Chile.....		14	\$258
Finland.....		12,582	18,395	Colombia.....	167	3,162	
France.....	115	400	3,061	Ecuador.....			109
Germany.....	1,223,595	1,857,500	1,837,624	Guiana.....			
Netherlands.....		2,100	7,550	British.....	823		470
Norway.....	45,885	23,516	38,886	Dutch.....	217		78
Russia in Europe.....	5,260			French.....	695	16	
Sweden.....	42,725	44,635	34,312	Peru.....		14	
United Kingdom—				Venezuela.....	311		18
England.....	66,555	69,152	49,869	Asia:			
North America:				China.....	89	39	122
Bermuda.....	630		324	Chosen.....	3	25	26
British Honduras.....			276	East Indies—			
Canada.....	23,559	31,562	82,712	British—British			
Central American				India.....	60	522	28
States—				Dutch.....	41		
Costa Rica.....	197	227	127	Hongkong.....	10	779	1,960
Guatemala.....	62	7	18	Japan.....	90	33	292
Nicaragua.....	11	10	2	Turkey in Asia.....	55		
Panama.....	775	1,009	395	Oceania:			
Salvador.....			23	British—			
Mexico.....	555	450	584	Australia.....	21,913	17,972	26,559
West Indies—				New Zealand.....	913	2,795	364
British—				Other British.....	89	49	74
Barbados.....		250		French.....	1,886	1,222	1,425
Jamaica.....		3	41	German.....	1,189	1,727	727
Trin. and Tobago.....	3,067	45	253	Philippine Islands.....	2,089	1,934	2,181
Other British.....				Africa:			
Cuba.....	97		233	British Africa—			
Danish.....	42	123	47	South.....	1,268	1,210	
Dutch.....	78		86	Egypt.....			32
French.....	19	19		French Africa.....		1,000	
Haiti.....	283	16	385				
Santo Domingo.....	313	533	551	Total.....	1,532,640	2,122,566	2,195,309

CANNED FISH, EXCEPT SALMON AND SHELLFISH.

Countries of destination.	1910	1913	1914	Countries of destination.	1910	1913	1914
Europe:				South America—Contd.			
Austria-Hungary.....	\$100	\$25	\$169	Chile.....	\$1,357	\$1,627	\$880
Azores, and Madeira Islands.....		10	198	Colombia.....	1,217	2,261	2,274
Belgium.....		175	30	Ecuador.....	342	1,003	1,599
Denmark.....		12,205	28	Guiana—			
France.....	3,395	1,558	354	British.....	115	53	28
Germany.....	572	924	627	Dutch.....	608	274	147
Italy.....	213	393	280	French.....	446	717	.....
Netherlands.....		10	32	Paraguay.....	74		
Norway.....	20	400	630	Peru.....	4,028	2,208	1,243
Russia in Europe.....		40		Uruguay.....	45	549	.....
Spain.....	3,100		125	Venezuela.....	800	1,775	1,409
Sweden.....	321		185	Asia:			
Switzerland.....				Aden.....			30
United Kingdom—				China.....	761	1,481	1,861
England.....	109,786	1,136	5,140	Chosen.....	187	386	194
Scotland.....	417	700	182	East Indies—			
North America:				British—			
Bermuda.....	186	397	1,167	British India.....	916	374	671
British Honduras.....	310	752	860	Straits Settlements.....	110	30	104
Canada.....	4,272	11,565	13,763	Other British.....	10	7	.....
Central American States—				Dutch.....	196	162	.....
Costa Rica.....	778	363	266	French.....	43	30	41
Guatemala.....	608	3,833	3,877	Hongkong.....	162	256	490
Honduras.....	175	4,019	3,859	Japan.....	218	301	226
Nicaragua.....	695	2,787	4,051	Russia in Asia.....	232	9	18
Panama.....	2,201	3,578	5,931	Siam.....	4		19
Salvador.....	236	633	185	Turkey in Asia.....			18
Mexico.....	16,270	11,449	15,546	Oceania:			
Newfoundland and Labrador.....		6		British—			
West Indies—				Australia.....	229	390	1,499
British—				New Zealand.....	13	310	608
Barbados.....		97	20	Other British.....	8	122	93
Jamaica.....	1,126	1,587	1,301	French.....	182	1,187	1,452
Trin. and Tobago.....		49	208	German.....	194	756	395
Other British.....		706	1,508	Philippine Islands.....	11,946	8,766	12,672
Cuba.....	3,063	9,251	5,581	Africa:			
Danish.....	376	261	169	British Africa—			
Dutch.....	1,344	138	249	West.....	681	6	27
French.....	21	90	63	South.....	2,101	1,071	37
Haiti.....	551	585	754	Canary Islands.....	62		187
Santo Domingo.....	2,002	6,028	7,271	Egypt.....			14
South America:				French Africa.....	255		27
Argentina.....	688	940	1,539	German Africa.....		6	22
Bolivia.....	1,148	537	59	Liberia.....	69	9	8
Brazil.....	58,376	15,907	14,266	Portuguese Africa.....	390		45
				Spanish Africa.....	33		25
				Total.....	240,389	119,260	118,836

OYSTERS.

Countries of destination.	1910	1913	1914	Countries of destination.	1910	1913	1914
Europe:				North America—Contd.			
Belgium.....	\$10	\$22	\$12	Mexico.....	\$22,227	\$21,774	\$11,182
Denmark.....	36			Miquelon, Langley, etc.....	19	66	85
France.....	142	40	88	Newfoundland and Labrador.....	62	88	85
Germany.....	579	1,539	1,532	West Indies—			
Italy.....	35		123	British—			
Netherlands.....		25		Barbados.....		48	32
Norway.....	12	12	36	Jamaica.....	1,188	703	611
Spain.....	136	41	734	Trin. and Tobago.....		491	546
Switzerland.....	10		4	Other British.....		139	384
United Kingdom—				Cuba.....	4,565	6,973	8,796
England.....	163,495	156,315	159,171	Danish.....	78	92	104
Scotland.....	489	900	1,804	Dutch.....	230	384	553
Ireland.....	29	8	14	French.....			16
North America:				Haiti.....	117	188	94
Bermuda.....	1,550	519	1,112	Santo Domingo.....	116	193	139
British Honduras.....	572	542	635	South America:			
Canada.....	285,599	340,458	340,719	Argentina.....	46,455	25,283	52,399
Central American States—				Bolivia.....	785	1,666	1,342
Costa Rica.....	2,817	1,513	3,872	Brazil.....	1,478	526	166
Guatemala.....	1,121	939	1,617	Chile.....	936	1,407	1,238
Honduras.....	343	1,104	1,459	Colombia.....	365	764	518
Nicaragua.....	998	3,780	1,711	Ecuador.....	699	761	1,178
Panama.....	5,784	5,161	4,768				
Salvador.....	359	499	644				

OYSTERS—Continued.

Countries of destination.	1910	1913	1914	Countries of destination.	1910	1913	1914
South America—Contd.				Asia—Continued.			
Guiana—				Japan.....		\$218	\$24
British.....	\$259	\$236	\$294	Siam.....	\$5	14	
Dutch.....	60	52	27	Oceania:			
French.....	58			British—			
Peru.....	2,015	1,806	1,435	Australia.....	27,801	36,156	52,150
Uruguay.....	2,793	3,584	2,132	New Zealand.....	487	1,213	956
Venezuela.....	2,188	3,261	1,604	Other British.....	33	161	107
Asia:				French.....	180	105	263
China.....	73	744	1,576	German.....	56	34	103
China, leased territory—				Philippine Islands.....	11,188	6,365	4,206
Japanese.....		9		Africa:			
Chosen.....	24	114	61	British Africa—			
East Indies—				West.....	23		
British—				South.....	1,969	3,831	1,569
British India.....	87	99	98	French Africa.....	17		
Straits Settlements.....		74	42	Liberia.....	23		
Dutch.....	36		19	Portuguese Africa.....	907	171	174
Hongkong.....	318	122	66	Total.....	594,066	633,332	666,432

ALL OTHER SHELLFISH.

Europe:				South America:			
Azores, and Madeira				Argentina.....	\$19,062	\$64,848	\$18,480
Islands.....	\$1,240	\$379	\$2,332	Bolivia.....	1,440	1,652	1,055
Belgium.....	2,944	835	1,420	Brazil.....	60,011	91,417	43,596
France.....	4,751	442	225	Chile.....	10,512	10,521	12,507
Germany.....	346	11	899	Colombia.....	2,192	2,677	3,177
Greece.....	50			Ecuador.....	3,690	4,786	4,793
Italy.....	271	338		Guiana—			
Norway.....		570		British.....	7,708	8,981	8,425
Portugal.....	11,576	13,955	17,382	Dutch.....	1,951	5,737	5,689
Spain.....	4,478	6,468	5,771	French.....	2,720	869	503
Sweden.....		100	40	Peru.....	13,320	15,339	6,622
United Kingdom—				Uruguay.....	15,692	13,764	17,319
England.....	15,686	52,682	10,553	Venezuela.....	1,333	3,025	3,414
Scotland.....	425	75	163	Asia:			
North America:				China.....	289	544	1,515
Bermuda.....	374	177	615	Chosen.....	48	117	30
British Honduras.....	756	679	936	East Indies—			
Canada.....	30,539	36,726	47,544	British—			
Central American				British India.....	283	520	506
States—				Straits Settlements.....		6	38
Costa Rica.....	5,135	2,635	5,616	Dutch.....			151
Guatemala.....	440	1,292	1,733	French.....	36		
Honduras.....	570	1,292	2,569	Hongkong.....	13,046	19,831	6,225
Nicaragua.....	1,102	3,685	1,878	Japan.....	565	1,766	775
Panama.....	21,755	19,161	24,850	Russia in Asia.....			32
Salvador.....	158	235	378	Siam.....	1		
Mexico.....	17,100	28,547	8,838	Oceania:			
Miquelon, Langley, etc.		6,986		British—			
Newfoundland and Labrador.....		134	47	Australia.....	6,795	6,552	3,896
West Indies—				New Zealand.....	1,914	1,464	23
British—				Other British.....	132	401	545
Barbados.....		102	153	French.....	250	1,784	1,083
Jamaica.....		630	774	German.....	205	357	295
Trin. and Tobago.....	2,373	1,034	1,741	Philippine Islands.....	8,383	4,131	1,759
Other British.....		87	650	Africa:			
Cuba.....	15,211	23,550	41,414	British Africa—			
Danish.....	344	29	68	West.....	34		
Dutch.....	332	19	16	South.....	884	1,546	1,791
Haiti.....	81	1,535	7	Egypt.....		226	
Santo Domingo.....	378	780	525	Portuguese Africa.....	374	277	47
				Total.....	341,285	467,835	323,428

ALL OTHER FISH AND FISH PRODUCTS.

Europe:				Europe—Continued.			
Austria-Hungary.....			\$150	Spain.....			\$440
Belgium.....	\$2		66	United Kingdom—			
Denmark.....	12,178	\$8,070	2,070	England.....	\$1,389	\$3,829	2,553
France.....	21,226	3,847	3,233	Scotland.....			12
Germany.....	559	2,992	3,896	North America:			
Italy.....			850	Bermuda.....	555	924	667
Netherlands.....	100	10		British Honduras.....	686	371	1,055
Norway.....			1,980	Canada.....	35,601	42,464	61,624

ALL OTHER FISH AND FISH PRODUCTS—Continued.

Countries of destination.	1910	1913	1914	Countries of destination.	1910	1913	1914
North America—Contd.				South America—Contd.			
Central American				Peru.....	\$1,613	\$361	\$543
States—				Uruguay.....	839	1,235	287
Costa Rica.....	\$1,296	\$212	\$34	Venezuela.....	174	1,845	2,069
Guatemala.....	1,768	1,573	605	Asia:			
Honduras.....	659	306	575	China.....	883	490	677
Nicaragua.....	2,296	847	441	Chosen.....	17		
Panama.....	3,359	4,131	1,413	East Indies—			
Salvador.....	305	223	232	British—British India.....		126	
Mexico.....	4,278	4,097	1,144	French.....	10	70	
Miquelon, Langley, etc.....			24,056	Hongkong.....	42,856	3,448	2,025
Newfoundland and Labrador.....		2		Japan.....	786	281	239
West Indies—				Oceania:			
British—				British—			
Barbados.....		11	233	Australia.....	491	234	
Jamaica.....		366	645	New Zealand.....		10	30
Trin. and Tobago.....	246	34	268	Other British.....	21	3	
Other British.....		560	1,010	French.....	560	248	264
Cuba.....	2,090	134	1,392	German.....	121	189	16
Danish.....	365	40	360	Philippine Islands.....	1,612	393	107
Dutch.....	11	2,153	394	Africa:			
Haiti.....	2,575	8,720	687	British Africa—			
Santo Domingo.....	2,832	985	1,225	West.....			15
South America:				South.....		50	24
Argentina.....	10			East.....			10
Brazil.....	880	4,621	58	Canary Land.....			93
Chile.....	9			Egypt.....		124	
Colombia.....	494	231	57	French Africa.....	10		
Ecuador.....		60	94	German Africa.....	28		
Guiana—				Portuguese Africa.....	50		
British.....	550	280		Total.....	146,559	103,284	122,504
Dutch.....	123	2,084	2,587				
French.....	46						

UNITED KINGDOM.

As a source of the nation's food supply the fisheries of Great Britain are second only in importance to agriculture. The British Isles are in the midst of fishing grounds of exceptional richness, and large numbers of the people are attracted to this means of earning a livelihood. Statistics show that some 25,000 boats are engaged in British fisheries and employ crews of over 100,000 men and boys. A corresponding number of persons are engaged on shore in cleaning, curing, packing, and selling the fish.

The following table shows provisional figures for the quantity (in hundredweights of 112 pounds) and value of the fish landed on the English and Welsh, Scotch, and Irish coasts during the years 1913 and 1914:

Items.	1913		1914	
	Hundred-weight.	Value.	Hundred-weight.	Value.
England and Wales:				
Fish, excluding shellfish.....	16,152,374	\$48,710,385	10,124,948	\$38,183,192
Shellfish.....		1,593,112		1,406,000
Total.....		50,303,497		39,589,192
Scotland:				
Fish, excluding shellfish.....	7,259,883	18,119,717	6,897,699	14,459,423
Shellfish.....		350,218		316,149
Total.....		18,469,935		14,775,572
Ireland:				
Fish, excluding shellfish.....	636,807	1,367,219	519,597	1,092,038
Shellfish.....		140,262		95,077
Total.....		1,507,481		1,187,115
Grand total.....		70,280,913		55,552,179

If the catch for 1913 is taken at 24,000,000 hundredweight of 112 pounds, valued at \$68,000,000, the imports at 3,600,000 hundredweight, valued at \$23,000,000, and the exports at 11,000,000 hundredweight, valued at \$36,000,000, the total consumption for the year may be placed at 16,600,000 hundredweight, valued at \$55,000,000. The per capita consumption for the United Kingdom works out at about 41 pounds a year, using the 1913 statistics as a basis, and omitting the shellfish entirely. This figure will illustrate the tremendous importance of sea food in the British Isles.

Of the fish taken at the English and Welsh fisheries, the catch of herrings is the most important, the total in 1913 being 7,313,425 hundredweight. In 1914 there was a remarkable falling off in the catch of this fish, the final figure being only 2,016,899 hundredweight. Following the herrings in 1913 came the cod with 2,646,666 hundredweight, the haddock with 1,553,869 hundredweight, and the plaice with 699,298 hundredweight. Other important catches were hake, whiting, coalfish, skates and rays, and mackerel. The only catch seriously affected by the war in 1914 seems to have been herrings. The catch of sea fish in the Scotch fisheries in 1913 totaled 7,259,883 hundredweight, the poorest since 1909, although record prices were received. The herring catch was the most important and amounted to 4,449,323 hundredweight. Ninety-five per cent of the Scotch herrings are preserved in some manner. Of the Irish catch of 636,807 hundredweight, over 470,000 hundredweight were herrings and some 290,000 hundredweight mackerel.

FOREIGN TRADE IN FISH.

Great Britain's exports of herrings are very important and Germany has been the most important customer. In 1913 the exports of fresh herrings amounted to 1,166,598 hundredweight, of which Germany took no less than 1,111,548 hundredweight. For the same year the exports of herrings preserved by curing, salting, etc., totaled 8,795,232 hundredweight, of which 3,996,892 hundredweight went to Germany, 3,566,155 to Russia, and 398,810 to the United States. Preserved pilchards were exported to the extent of 37,101 hundredweight, Italy taking 32,850 hundredweight. The exports of preserved cod amounted to 441,983 hundredweight, Spain being the principal purchaser with a total of 183,296 hundredweight. Other important buyers of this product were Cuba, Brazil, Italy, and Portugal, in the order named. The United States is the principal purchaser of preserved mackerel, taking 88,913 hundredweight out of a total export of 98,370 hundredweight.

The imports of fish into the United Kingdom, while not so important as the exports, amount to nearly \$25,000,000 a year. The table following shows in detail the exports of the various fish by countries of destination (hundredweight=112 pounds; £=\$4.8665).

Articles, and countries of origin.	Hundred-weight.	Value.	Articles, and countries of origin.	Hundred-weight.	Value.
Fresh fish (not of British taking):			Cured or salted fish—Contd.		
Herrings—			Canned salmon—		
Sweden.....	107,606	\$£29,780	Russia.....	27,142	\$74,561
Norway.....	1,054,541	250,228	Japan.....	28,925	81,289
Other foreign countries.....	925	394	United States.....	265,817	698,018
British possessions.....	73,356	50,300	Other foreign countries.....	2,798	9,739
Total.....	1,236,428	336,702	British possessions—		
Unenumerated—			Canada.....	275,362	900,068
Russia.....	3,779	10,581	Newfoundland and Labrador.....	298	575
Norway.....	34,799	60,249	Other British.....	218	687
Denmark (including Faeroe).....	94,881	191,274	Total.....	600,560	1,764,937
Germany.....	50	168	Canned lobsters—		
Netherlands.....	38,912	71,596	France.....	12	106
Belgium.....	8,902	19,222	United States.....	545	5,372
France.....	2,433	10,870	Other foreign countries.....	169	1,230
United States.....	150	50	British possessions—		
Other foreign countries.....	10,432	6,082	Canada.....	33,139	308,951
British possessions—			Newfoundland and Labrador.....	1,361	15,707
Canada.....	6,710	24,634	Other British.....	1	45
Deep-sea fisheries.....	666,334	267,312	Total.....	35,230	331,411
Other British possessions.....	84	261	Canned, unenumerated—		
Total.....	867,505	665,299	Norway.....	33,156	76,504
Shellfish:			Germany.....	384	1,884
Oysters for food—			France.....	3,331	14,589
Netherlands.....	11,032	46,896	Spain.....	2,201	4,147
United States.....	56,428	38,957	Italy.....	2,539	6,891
Other foreign countries.....	2,248	2,619	Japan (including Taiwan and leased Chinese territory).....	2,546	15,643
British possessions.....	22	14	United States.....	2,963	9,530
Total.....	69,780	88,486	Other foreign countries.....	3,128	7,041
Oysters for breeding purposes—			British possessions—		
France.....		4,254	Cape of Good Hope.....	17,627	66,292
United States.....		1,413	Other British.....	2,349	10,713
Other foreign countries.....		35	Total.....	70,234	212,234
Total.....		5,702	Not canned, all sorts—		
Unenumerated—			Norway.....	165,617	243,509
Norway.....	5,290	10,797	Denmark (including Faeroe).....	28,195	34,553
Netherlands.....	133,472	50,635	Iceland and Greenland.....	100,755	108,223
Other foreign countries.....	2,872	9,398	Germany.....	1,540	2,663
British possessions—			Netherlands.....	2,574	2,445
British West Indies.....	779	4,022	France.....	1,243	3,815
Other British.....	814	3,832	Italy.....	6,253	22,239
Total.....	113,257	78,684	United States.....	3,400	8,875
Cured or salted fish:			Other foreign countries.....	16,709	10,399
Canned sardines—			British possessions—		
Norway.....	127,036	415,376	Canada.....	13,081	15,853
Germany.....	892	2,927	Newfoundland and Labrador.....	31,208	36,270
Belgium.....	403	937	Other British.....	175	1,504
France.....	20,109	93,841	Total.....	370,755	490,348
Portugal.....	133,249	363,884	Total value of fish imported:		
Spain.....	11,149	28,797	From foreign countries.....		3,169,296
Other foreign countries.....	672	1,771	From British possessions.....		1,717,631
British possessions.....	1,710	4,591	Total.....		4,886,927
Total.....	295,220	912,124			

DEMAND FOR CANNED SALMON.

[From Vice Consul Arthur V. Blackmore, Birmingham, England.]

Originally Columbia River salmon had the largest sale in this country, but the color was too pale for the trade and the consumer was encouraged to take red fish; consequently Alaska and Fraser River fish have become more popular. Sockeye and Chinook are now the favorite salmon. Owing, however, to the high prices asked for these fish, pale-pink salmon are again being introduced, and there is a growing demand for an article that can be sold for 11 to

12 cents per pound tin. There seems to be an opinion in some quarters that not all the goods sold as salmon are really salmon.

The bulk of the imported salmon comes by water from Pacific coast ports. The goods are sold by the importer to the wholesaler, who in turn sells to the retailer. The consumers are found principally among the working classes. There is a very large market for good red fish, and the demand is steadily increasing.

GERMANY.

During the last few years the fishing industry of Germany has been placed on a sounder commercial basis than had formerly existed. This improvement has resulted chiefly from the increased use of steam fishing vessels and from the cooperation and encouragement offered by the German Government and the German Sea Fishery Association.

State aid to the fishing industry takes many forms, such as pecuniary assistance and subventions and reduced rates for inland rail transportation of fresh fish. The Government has also devoted large sums to building fish harbors at Geestemunde, Emden, Cuxhaven, Altona, and other ports. Geestemunde is the principal fishing port and market in Germany.

Of late years there has been an exceptional demand in Germany for all kinds of sea fish, and this has greatly increased prices. In many of the interior cities sea fish, and the best methods of cooking them, were practically unknown until recently, when the Government and the Sea Fishery Association undertook a campaign to extend the consumption. The latter organization started a series of cookery lessons in Berlin and other large cities, using moving pictures to show the methods of fishing and the varieties of fish and to aid in explaining their food value. As a consequence the taste for fish spread amazingly and the various trawling concerns entered upon an era that seemed likely to be permanent.

German vessels by no means furnish the entire supply of sea fish for this country. Denmark each year exports some 300,000 hundredweight of fish to Germany and is one of the chief purveyors to the Berlin market. A considerable number of English ships land consignments of fish at Geestemunde. The catch of herrings each year, in spite of the shipments continually coming into the country, seems to be insufficient to meet the demand.

The German catch in the North Sea for 1912 and 1913 is shown in the following table in kilos of 2.2046 pounds and marks of 23.8 cents:

Fish.	1912		1913	
	Kilos.	Marks.	Kilos.	Marks.
Herrings.....	1,562,400	306,500	3,964,800	822,100
Cod.....	31,412,700	5,541,000	29,870,700	5,782,100
Codfish and pollack.....	6,696,000	977,700	9,670,800	1,325,200
Flatfish.....	2,078,500	1,158,400	1,837,900	1,072,800
Shellfish.....	26,668,300	7,282,100	22,022,700	6,337,000
Plaice.....	3,334,900	1,374,500	3,612,900	1,374,500
Turbot.....	332,700	571,700	449,100	732,200
Whiting.....	4,761,000	787,200	5,176,300	988,400
All other.....	10,297,500	3,242,600	10,708,400	3,422,900
Total.....	87,144,000	21,241,700	87,313,600	21,857,200

The German fisheries in the Baltic yield about half the total that is taken in the North Sea, the principal varieties caught being eels, flounders, perch, herrings, sprats, and bleak fish, in the order named. There are also important river and lake fisheries, the Rhine salmon being one of the best known products.

IMPORTS AND EXPORTS.

The imports of fish and fish products necessary to supply the demand in Germany are important, as is shown by the accompanying table in kilos of 2.2046 pounds and marks of 23.8 cents:

Articles and countries of origin.	Kilos.	Marks.	Articles and countries of origin.	Kilos.	Marks.
Fresh fish:			Preserved fish—Contd.		
Carp—			Herrings not cut open, herring milt, and herring pickle—Con.		
France.....	270,500	284,000	Netherlands.....	a 400,038	11,001,000
Netherlands.....	28,500	31,000	Norway.....	a 160,729	4,340,000
Austria-Hungary.....	1,036,000	1,295,000	Sweden.....	a 6,045	121,000
Russia.....	39,800	40,000	Other countries.....	a 2,157	66,000
Sweden.....	41,800	50,000			
Other countries.....	39,100	46,000	Total.....	a 1,204,953	43,938,000
Total.....	1,455,700	1,746,000			
Eels, tench, etc.—			Herrings otherwise packed—		
Denmark.....	1,262,500	2,320,000	Netherlands.....	215,600	97,000
France.....	28,200	25,000	Other countries.....	201,700	86,000
United Kingdom.....	107,400	419,000	Total.....	417,300	183,000
Italy.....	57,800	81,000			
Netherlands.....	1,799,300	2,782,000	Salmon, simply prepared and salted—		
Norway.....	246,000	520,000	Denmark.....	233,700	386,000
Austria-Hungary.....	486,200	700,000	Russia.....	42,500	70,000
Russia.....	2,034,800	2,525,000	United States.....	4,295,900	7,088,000
Sweden.....	299,700	362,000	Other countries.....	36,000	59,000
Switzerland.....	108,200	163,000	Total.....	4,608,100	7,603,000
Egypt.....	83,700	84,000			
United States.....	971,900	1,283,000	Sardines, simply prepared—		
Other countries.....	64,400	73,000	France.....	112,600	79,000
Total.....	7,550,100	11,337,000	Netherlands.....	3,243,800	2,919,000
			Other countries.....	110,000	77,000
Herrings and sprats—			Total.....	3,466,400	3,075,000
Belgium.....	797,700	104,000			
Denmark.....	14,486,100	2,897,000	Cod and other stock-fish—		
United Kingdom.....	42,470,500	9,344,000	Denmark.....	180,900	101,000
Netherlands.....	1,292,800	164,000	Netherlands.....	86,600	48,000
Norway.....	30,195,500	4,227,000	Norway.....	897,300	502,000
Sweden.....	43,931,100	6,590,000	Other countries.....	16,500	11,000
Other countries.....	10,600	1,000	Total.....	1,181,300	662,000
Total.....	133,154,300	23,327,000			
Haddock, plaice, sole, etc.—			Eels, herrings, sprats, simply prepared; fish paste; fish sausage; roe; and high-grade fish preparations—		
Belgium.....	1,296,500	1,400,000	Belgium.....	142,900	50,000
Denmark.....	16,566,100	8,449,000	Denmark.....	1,641,100	457,000
France.....	175,000	445,000	France.....	63,000	32,000
United Kingdom.....	4,082,800	3,838,000	Italy.....	192,500	293,000
Italy.....	81,400	118,000	Netherlands.....	1,416,500	1,133,000
Netherlands.....	13,027,800	5,863,000	Norway.....	787,700	526,000
Norway.....	3,937,100	1,575,000	Other countries.....	76,400	40,000
Russia.....	72,100	54,000	Total.....	4,320,400	2,531,000
Sweden.....	1,495,500	942,000			
Other countries.....	78,000	80,000			
Total.....	40,812,300	22,764,000			
Preserved fish:					
Herrings not cut open, herring milt, and herring pickle—					
Denmark.....	a 2,113	55,000			
United Kingdom.....	a 633,871	25,355,000			

a Barrels.

Articles and countries of origin.	Kilos.	Marks.	Articles and countries of origin.	Kilos.	Marks.
Preserved fish—Contd.			Shellfish and crustaceans—Continued.		
Caviar and substitutes—			Crawfish, fresh-water crabs, and prepared crab meat—		
Russia.....	373,300	9,333,000	Austria-Hungary.....	152,000	236,000
Other countries.....	1,700	18,000	Russia.....	639,200	991,000
Total.....	375,000	9,351,000	Other countries.....	6,100	9,000
Shellfish and crustaceans:			Total.....	797,300	1,236,000
Oysters—			Lobster, fresh and canned—		
Belgium.....	120,300	253,000	Denmark.....	272,100	1,279,000
United Kingdom.....	56,600	113,000	France.....	100,200	471,000
Netherlands.....	866,500	823,000	United Kingdom.....	24,200	92,000
Other countries.....	29,800	15,000	Norway.....	268,200	1,261,000
Total.....	1,073,200	1,204,000	British N. America.....	584,400	2,070,000
Mussels—			United States.....	35,700	128,000
Netherlands.....	1,924,500	231,000	Other countries.....	32,700	140,000
Other countries.....	238,300	29,000	Total.....	1,317,500	5,441,000
Total.....	2,162,800	260,000			

As might be expected, German fish exports are not of very great importance, although there are good markets for fresh sweet-water fish in Russia and for fresh herrings in Austria-Hungary. The total exports of fresh fish of all kinds in 1912 were 17,456,700 kilos, of which a little more than half was made up of herrings. There is a steady demand in some countries for certain fish and fish products prepared in the German manner, but on the whole the exports of prepared fish are not of great importance comparatively.

POPULARITY OF SALTED HERRINGS.

The German trade demands three classes of salted herrings, each of which has its season. During May and June there is an extensive sale in the North Sea coast region, as well as in the Netherlands, of Matjes herrings—that is to say, drawn fish lightly salted and of the first quality. It is not considered possible to import herrings of this class from remote fishing countries. Matjes herrings of the first quality come in barrels containing 125 pieces, of a gross weight of 330 pounds, and they command as much as \$30 per barrel. A second quality comes in barrels containing from 800 to 850 pieces, worth about \$9.50 per barrel. These fish are sold in all first-class shops and are a much esteemed table delicacy during a few months of the year. Toward the end of June and throughout July full herrings enter the market. These are hard salted and are worth \$7.15 to \$9.50 per barrel. In August and September still another grade of hard salted full herrings arrives, worth \$11.50 per barrel. The full salted herrings are consumed without cooking in the industrial centers of interior Germany by the poorer classes, who eat the entire fish except the bones.

As the herring shoals frequent the British coast within the 3-mile limit, the trade is dominated by the Scotch packers, who find in this country one of their best markets, Hamburg being the center.

THE MARKET FOR SALMON.

[Consul General Robert P. Skinner, Hamburg.]

The consumption of both fresh and smoked salmon is very great in Germany. Salmon were once plentiful and cheap, but at present the river traffic is so heavy that there are no longer any packs and only a few of the fish are caught in local waters. Nevertheless the demand for salmon remains, although the trade in the canned article is comparatively small and unimportant.

Before the present high duty of 60 marks per 100 kilos (\$6.48 per 100 pounds) was placed on canned salmon, one firm alone imported as many as 30,000 tins a year. The domestic trade is now limited to north Germany. Although the German demand for canned salmon is not great, the importation at Hamburg is very large, as purchases are made for reexportation to German colonies in Africa and to other tropical and foreign countries generally. Perhaps this trade could be increased, particularly if exporters visited Hamburg personally and concluded arrangements with capable agents.

For the German domestic trade only red salmon in tall, flat, and oval tins is imported. For export the cheap pale and pink grades are required. Shipments are made directly to Hamburg from Pacific ports, Seattle and Vancouver furnishing the principal stocks in perhaps equal proportions. Lately considerable quantities are coming from Kamchatka. There is no complaint on the part of importers in regard to packing methods, nor does the article come into conflict with the food laws.

The greatest salmon trade of Germany falls under the head of frozen fish. These fish are usually smoked in this country and are seen for sale in every fish and provision shop in the Empire. It is doubtful if an equally general demand for smoked salmon can be found in any other part of the world, unless perhaps in Russia and Scandinavia. The latter, however, are producing countries. No duty is imposed upon fresh salmon imported into Germany. Fresh salmon are packed in cases of 200 German pounds (100 kilos, or 220 pounds), each fish being wrapped in parchment paper and all packed closely together. Cases are shipped in refrigerator ships, no ice coming into direct contact with the fish itself. These chilled fish are sold at auction in the Hamburg market and command from 9½ to 21 cents per pound, according to grade. The best grade, known as the "steelhead," commands from 19 to 21 cents per pound.

Salmon intended to be smoked in Germany come packed in brine of not more than 12 to 14 per cent of salt. When the fish are packed in brine of more than 16 per cent salt they can not be smoked, as the salt can not be extracted and the fish tears and crumbles on being sliced. Fish shipped in this manner are dutiable at the rate of 71 cents per 100 kilos (220 pounds).

Smoked salmon in tubs of 200 to 300 pounds is also dutiable at the rate of 71 cents per 100 kilos. Importations of this class of fish are limited, and the quantity is not even mentioned separately in German statistics. Some cities in southern Germany consume from 30,000 to 40,000 pounds of smoked salmon monthly. The most highly esteemed fish is taken from the Rhine, but the probabilities are that the ordinary purchaser seldom concerns himself with the question of origin and takes what his fish dealer has to offer. It

is the custom of the trade to contract for deliveries of chilled salmon at stated periods of so many hundred pounds per month. In 1910 a vessel arrived from Alaska with 3,000 tons on board, but the consignment was commercially a failure because it overstocked the market, and the surplus was disposed of at a loss in Germany, Belgium, Antwerp, and London.

FRANCE.

The French fisheries are a very important asset of the country, the total catch for 1910, the last year for which statistics are available, being valued at \$27,075,625, an increase of about \$800,000 over the previous year. Nearly 150,000 men are employed in the industry.

The catch of cod by French boats at the Newfoundland fisheries is perhaps the most valuable single item in the list of French fishery products, being valued at more than \$5,500,000 in 1910. Sardines, mackerel, tunny, and herrings are the other more valuable food fishes taken by the French fishermen.

The sardine industry has been much disturbed for the last few years, and as a result of small catches, troubles between the fishermen and packers, and the competition from Norwegian and Spanish packers the outlook can not be said to be very bright. Canned sardines are consumed in great quantities by the French and are also largely exported, as the excellent quality of the French product is known in all countries.

EXPORTS AND IMPORTS.

The exports of all fish except shellfish and crustaceans in 1912 were valued at \$5,717,000, the most important items being dried, salted, and smoked cod, \$2,165,000, and sardines, preserved, marinated, or otherwise prepared, \$1,649,000. Italy is the principal purchaser of cod, while the United States, Great Britain, and Germany take the largest quantities of sardines, although Denmark, Belgium, and Russia follow rather closely in this respect.

The imports by countries in 1912 are shown in the table that follows (franc=19.3 cents; metric quintal=220.46 pounds):

Articles and countries of origin.	Metric quintals.	Francs.	Articles and countries of origin.	Metric quintals.	Francs.
Fresh fish from fresh water:			Fresh fish from salt water:		
Salmon family—			United Kingdom.....	14,919	.....
United Kingdom.....	6,471	.....	Netherlands.....	2,591	.....
Germany.....	1,030	.....	Belgium.....	4,374	.....
Netherlands.....	7,229	.....	Spain.....	8,880	.....
Switzerland.....	600	.....	Other foreign countries.....	230	.....
Canada.....	337	.....	Algeria.....	1,477	.....
Other foreign countries.....	160	.....	Tunis.....	57	.....
Free zone.....	150	.....			
Total.....	15,977	5,272,410	Total.....	36,037	3,391,078
Other—			Dried, salted, and smoked fish:		
Germany.....	4,057	.....	Codfish, including clip-fish—		
Netherlands.....	9,104	.....	Norway.....	186	.....
Belgium.....	280	.....	United Kingdom.....	21	.....
Switzerland.....	988	.....	Germany.....	198	.....
Spain.....	196	.....	Other foreign countries.....	67	.....
Italy.....	1,305	.....	Algeria.....	107	.....
Other foreign countries.....	179	.....	St. Pierre fisheries.....	428,250	.....
Free zone.....	1,149	.....			
Total.....	17,258	1,380,640	Total.....	429,129	34,321,760

Articles and countries of origin.	Metric quintals.	Francs.	Articles and countries of origin.	Metric quintals.	Francs.
Dried, salted, and smoked fish—Continued.			Oysters:		
Stockfish—			Fresh seed—		
Norway.....	2,676	.....	United Kingdom.....	595	.....
United Kingdom.....	524	.....	Netherlands.....	55	.....
Netherlands.....	1,173	.....	Total.....	650	650,000
Other foreign countries..	129	.....			
Total.....	4,502	360,160	Other fresh—	Number.	
Herrings—			United Kingdom.....	29,240,000	.....
Norway.....	3,713	.....	Netherlands.....	5,567,000	.....
United Kingdom.....	1,225	.....	Belgium.....	2,411,000	.....
Belgium.....	12,744	.....	Other foreign countries..	17,000	.....
Other foreign countries..	806	.....	Total.....	37,235,000	1,117,050
St. Pierre fisheries.....	231	.....		Metric tons.	
Total.....	18,719	336,942	Preserved—	11	2,200
			Foreign country.....		
All other—			Lobsters:		
United Kingdom.....	1,745	.....	Fresh—		
Germany.....	261	.....	United Kingdom.....	1,676	.....
Belgium.....	298	.....	Netherlands.....	4,220	.....
Portugal.....	3,359	.....	Belgium.....	9,456	.....
Spain.....	17,262	.....	Portugal.....	1,016	.....
Other foreign countries..	212	.....	Spain.....	1,912	.....
Algeria.....	10,106	.....	Italy.....	3,217	.....
St. Pierre fisheries.....	9,701	.....	Other countries.....	1	.....
Total.....	43,044	3,228,300	Tunis.....	25	.....
			Total.....	21,523	5,811,210
Fish, preserved, marinated, or otherwise prepared:			Preserved—		
Sardines—			United Kingdom.....	7,384	.....
United Kingdom.....	41	.....	Japan.....	747	.....
Portugal.....	36,215	.....	Canada.....	15,628	.....
Spain.....	57,864	.....	Other foreign countries..	174	.....
Morocco.....	660	.....	Total.....	23,933	5,504,590
Other foreign countries..	618	.....			
Algeria.....	10,063	.....	Shellfish other than oysters:		
Total.....	105,461	13,709,930	United Kingdom.....	512	.....
Other—			Netherlands.....	101,403	.....
Norway.....	3,269	.....	Belgium.....	34,998	.....
United Kingdom.....	2,811	.....	Other foreign countries..	473	.....
Germany.....	814	.....	St. Pierre fisheries.....	278	.....
Netherlands.....	824	.....	Total.....	137,664	1,101,312
Portugal.....	772	.....			
Spain.....	915	.....	Hard roe, cod and mackerel:		
Italy.....	1,157	.....	Norway.....	38,346	.....
Japan.....	3,025	.....	United Kingdom.....	4,438	.....
Canada.....	2,440	.....	Germany.....	6,263	.....
Other foreign countries..	572	.....	Belgium.....	1,262	.....
French possessions.....	660	.....	United States.....	1,060	.....
Total.....	17,239	3,620,190	Other foreign countries..	659	.....
			St. Pierre fisheries.....	6,830	.....
			Total.....	58,858	1,294,876
			Grand total.....		\$1,102,648

RUSSIA.

Although Russia is one of the greatest sea-food producing countries in the world, its supply falls short of meeting the requirements of the population. The annual imports of fish to meet the deficiency of the home fisheries range in value between \$15,000,000 and \$20,000,000. The domestic production of late years has exceeded 1,500,000 pounds in weight and \$50,000,000 in value, while the exports of fish and caviar are valued at something more than \$3,000,000. The per capita consumption works out at about 12 pounds a year.

The table that follows will give an idea of the location of the Russian fisheries, although the figures are for 1911 and the production

has increased considerably since that year. Later statistics are not available for all the districts. (Pood=36.1128 pounds; ruble=51.5 cents.)

Regions.	Quantity.	Value.	Persons engaged.
	<i>Poods.</i>	<i>Rubles.</i>	
Caspian.....	23,167,000	66,367,000	172,000
Upper Volga.....	2,916,000	2,280,000	10,000
Black Sea.....	4,182,000	6,262,000	35,000
Baltic Sea.....	2,697,000	5,394,000	21,000
Lakes region.....	1,809,000	2,928,000	11,000
Mourman—White Sea.....	900,000	2,000,000	14,000
Total European Russia.....	35,671,000	85,231,000	263,000
Ob Basin.....	753,000	2,379,000	4,300
Lower Yenisei.....	162,000	486,000	900
Baikal.....	280,000	788,000	2,500
Yakutsk Oblast.....	57,000	71,000	500
Far Eastern region.....	4,500,000	4,200,000	a 8,000
Turkestan.....	2,500,000	4,000,000	17,000
Total Asiatic Russia.....	8,252,000	11,924,000	33,200
Grand total.....	43,923,000	97,155,000	296,200

a This figure is for Russian subjects, in addition to which there were about 10,000 Japanese.

The distribution of the various fish is as follows: Sturgeon and carp in the Caspian, Aral, and Black Seas; salmon in northern parts of European and Asiatic Russia, in lakes Ladoga, Onega, and Baikal in the Far East, and in the Black and Caspian Seas; herrings in the Black and Caspian Seas; cod, flounders, and some herrings in the Baltic and White Seas and Arctic Ocean; mackerel, mullet, sardels, anchovies, barbel, and chub in the Black Sea. Oysters are confined exclusively to the Black Sea, and sea cole and trepang to the waters of the Far East.

STATISTICS OF FOREIGN TRADE.

The exports of fish and fish products from European Russia in 1913 were valued at \$3,781,000, as compared with \$3,123,000 for the year previous. Of the total, caviar made up more than half, being valued at \$2,171,000. The value of fishery products exported to the United States was divided as follows: Bladders, \$9,262; caviar, \$125,447; dried and salted fish, \$23,684; herrings, \$6,383. The principal market for the salmon and other fish taken at the fisheries of eastern Siberia is European Russia, but important exports are also made to Japan. Comparatively small quantities are sold to China and Chosen (Korea), and of course much of the salmon and salmon caviar that find their way to the markets in Germany and other European countries is shipped by way of European Russia.

Russia imports important quantities of fish, as is shown by the table following for 1912, in which the imports are shown by articles and countries of origin, in poods of 36.1128 pounds and rubles of 51.5 cents.

Countries of origin.	Fresh fish.		Sardines in oil.		Fish, pickled, preserved in oil, or stuffed.		Salted or smoked fish, except herring.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	<i>Poods.</i>	<i>Rubles.</i>	<i>Poods.</i>	<i>Rubles.</i>	<i>Poods.</i>	<i>Rubles.</i>	<i>Poods.</i>	<i>Rubles.</i>
Austria-Hungary	12,636	32,718	1,244	14,899	353	4,867	67	202
Belgium			1,525	27,728	284	2,556		
United Kingdom	1,993	9,462	7,142	65,358	445	7,108	163	490
Germany	353,019	1,330,735	62,770	827,965	6,513	129,966	8,223	24,678
Netherlands	348	1,550	10,276	101,479	814	14,901	120	360
Greece			5	43		10	28	82
Denmark	8,617	10,900	1,856	15,526	354	6,300	92	276
Spain			1,913	20,760				
Italy	1	10	3,554	33,222	6	90	149	447
China	256,133	602,740	6	51	6	61	1,354	3,104
Norway	271,865	444,711	558	8,107	1,975	20,465	987	3,489
Persia	114,465	272,994					469,565	1,046,861
Portugal			7,705	82,028	3	40		
Roumania	44,282	237,383		19		9	53	167
United States	1,127	9,750	91	866			2	6
Turkey	67,231	80,471	15,091	138,137	65	834	1,108	3,304
France		8	80,688	890,610	2,704	33,082	226	678
Switzerland				2		31		1
Sweden	14,703	24,431	507	8,710	423	10,390	32	96
Japan	1,917	4,818			9	66	26	82
Other foreign countries	<i>a</i> 776	<i>a</i> 3,796	<i>b</i> 76	<i>b</i> 750				
Finland	360,613	1,466,907		11	54,704	339,337	202,686	287,215
Total	1,509,756	4,533,384	195,007	2,236,271	68,658	570,113	684,881	1,371,538

Countries of origin.	Herrings, salted or smoked.		Cod and all other kinds of fish, dried.		Fish admitted free of duty.		Lobsters, periwinkles, etc., fresh, salted, dried, or pickled.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	<i>Poods.</i>	<i>Rubles.</i>	<i>Poods.</i>	<i>Rubles.</i>	<i>Poods.</i>	<i>Rubles.</i>	<i>Poods.</i>	<i>Rubles.</i>
Austria-Hungary	32,838	41,898	6	9	<i>c</i> 438,802	<i>c</i> 607,913		
Belgium	4,386	5,015					1	25
United Kingdom	6,169,157	8,665,540	3	9				
Germany	3,554,160	4,474,969	112	424			1,829	35,419
Netherlands	538,182	661,660					11	560
Greece	1	1	14	100			5	60
Denmark	42,910	53,294	589	865			3	60
Spain	2,836	3,467						
Italy	6,902	8,285					6	76
China	123	174	6,234	17,937			3,343	26,734
Norway	5,559,054	6,896,533	1,900	3,250	<i>c</i> 1,473,749	<i>c</i> 2,329,445		
Persia	3	5	6	127				
Roumania	27	32			<i>d</i> 3,980	<i>d</i> 9,115		
United States	2,839	3,548						
Turkey	5,707	6,849	41	123			28	303
France	31,567	42,521	5	5			8	470
Sweden	2,807,381	3,496,301	2	15			93	3,100
Japan	201	353	626	1,286			119	870
Other foreign countries	6	9	4	6			1	5
Finland	7,920	9,812	1,644	2,630			22	1,226
Total	18,766,200	24,370,176	11,186	26,786	1,916,531	2,946,473	5,469	68,908

a Includes 55 poods of fish, valued at 100 rubles, from Bulgaria.

b Includes 75 poods, valued at 740 rubles, from British India.

c Fish of all kinds, imported in Russian vessels at ports of the Government of Archangel by inhabitants of that Government.

d Fresh fish, imported during the winter, on sledges, at the Ismail customhouse, or at the customs toll house of Vilkovsk.

In addition to the items shown in the foregoing table, there were imports of oysters amounting to 5,040 poods, valued at 90,020 rubles, Germany being the principal source of supply. The imports of caviar were considerable, totaling 17,038 poods, valued at 560,513 rubles.

NETHERLANDS.

The fishing industry is one of the most important in the Netherlands and supplies not only most of the home demand, but furnishes enough material for a considerable export. The exports for 1913 amounted to about 418,000,000 pounds and the imports to some 67,000,000 pounds. The total value of the imports is stated to be \$1,947,730, although this is an "official" valuation and may differ considerably from the real value.

The quantities of fish imported into the Netherlands in 1913 are shown in the following table in kilos of 2.2046 pounds:

Countries of origin.	Herrings, cured and salted.	Herrings, smoked.	Sea fish, fresh, all kinds.	Cod, salted.	Smoked, salted, or dried fish, n. e. s.	Cod (stock fish), dried.	River fish, in- cluding salmon and lamprey, fresh or not.	An- chovies.
	Kilos.	Kilos.	Kilos.	Kilos.	Kilos.	Kilos.	Kilos.	Kilos.
Belgium.....	202,689	20,412	84,211	7,461	52,139	8,481	26,402	58,687
France.....								12,015
Germany:								
Prussia.....	203,595	63,638	567,761		18,708	1,956	150,847	12,607
Hamburg.....	84,127				12,225	2,818	60,479	27,742
Bremen.....							57,507	
Denmark.....			1,260	12,730	88,030		37,000	
Norway.....	5,533,035		536,006	16,200	1,812,566	5,432,549	14,696	26,675
Sweden.....	123,515		660		1,764,425			1,975
Russia.....	5,650				1,391			
Spain.....					119,750			311,966
Dutch East Indies.....					993			
United States.....					911	1,245	89,348	7,500
United Kingdom.....	9,462,322	29,840	2,554,665	36,625	344,239	13,558	139,268	
Total.....	15,616,933	113,890	3,744,503	73,016	4,215,377	5,460,607	575,517	459,135

In addition to the imports given in the table, there were imports of 190,489 kilos of lobsters and oysters and 9,543 kilos of other shellfish.

SPAIN.

The fishing industry of Spain is extensive, giving employment to some 67,000 fishermen. The more important fish caught are sardines, tunny, cod, and anchovies. There are no fewer than 400 sardine canneries in the country and the exports of Spanish-canned sardines ranges in value from \$3,500,000 to nearly \$5,000,000 a year. France, Argentina, Germany, and Italy are the most important customers, and annual shipments of over \$100,000 are made to Cuba, Great Britain, the United States, and Chile.

In spite of the importance of the domestic fisheries, great quantities of fish are imported, especially dried cod, which is imported chiefly from Norway, Newfoundland, Labrador, Iceland, France, Germany, and Scotland. Labrador cod is consumed only in the southeastern parts of Spain—from Seville to Valencia—as Barcelona, Madrid, and the more prosperous north prefer the more expensive Icelandic and Norwegian fish. Labrador cod is generally preferred in Malaga for winter consumption, because it is lightly sun cured and also because it is the cheapest. It is too lightly cured for summer

use. It is not graded and the individual fish weigh $1\frac{1}{2}$ to 2 pounds. It is generally brought in bulk by sailing vessels, in full cargo lots of 150 to 200 tons. It is also brought by steamer in 4-hundredweight and 5-hundredweight casks.

Imports of fish by countries for 1912 are shown in the following table (kilo=2.2046 pounds; peseta=18.1 cents):

Articles and countries of origin.	Quantities.	Value.	Articles and countries of origin.	Quantities.	Value.
Cod and stockfish:	<i>Kilos.</i>	<i>Pescetas.</i>	Salted, smoked, or pickled fish, except in tins:	<i>Kilos.</i>	<i>Pescetas.</i>
Ceuta.....	4	3	Spain ^a	7,357	3,164
Germany.....	121,161	92,082	Ceuta.....	2	1
Algeria.....			Germany.....	1,754	754
Argentina.....	9,900	7,524	France.....	11,933	5,131
Denmark.....	7,591,882	5,769,830	United Kingdom.....	65,376	28,112
France.....	1,615,832	1,250,832	Netherlands.....	8,278	3,560
United Kingdom.....	11,824,251	8,986,433	Italy.....	20	13
Greece.....	25,089	19,068	Morocco.....	726	312
Italy.....	100	76	Norway.....	410	176
Norway.....	20,520,992	15,595,954	Portugal.....	1,206,782	518,916
Portugal.....	118	90	British possessions in America.....	1,396	600
Danish possessions in Europe.....	2,165,131	1,645,500	Total.....	1,304,044	560,739
French possessions in America.....	39,131	29,740	Oysters for breeding purposes, and mussels:		
British possessions in America.....	9,596,199	7,293,111	Ceuta.....	2	1
Total.....	53,539,793	40,690,243	Melilla.....	6,240	2,371
Fish, fresh, or with just sufficient salt to preserve it:			Algeria.....	57,173	21,726
Canary Islands.....	159,579	51,065	France.....	371,844	141,300
Ceuta.....	1,600	512	Portugal.....	313,091	118,975
Rio de Oro.....	1,710	547	Total.....	748,350	284,373
Germany.....	36	12	All other oysters:		
France.....	81,810	27,140	France.....	62,013	40,308
United Kingdom.....	13	4	United Kingdom.....	5	3
Norway.....	200	64	Total.....	62,018	40,311
Portugal.....	6,305,301	2,017,696			
Total.....	6,553,249	2,097,010			

^a So stated in original returns of the Spanish Government.

ITALY.

Although the product of the Italian fishing industry is valued at about \$4,000,000 a year, it is necessary to import over three times that much to supply the wants of the country. The most important of the fish imports is cod and other dried or smoked stockfish, which is valued at more than half of the total imports. The exports of fish from Italy are comparatively unimportant, the largest item being canned tunny fish. Canned sardines and anchovies are also exported to a limited extent.

The table that follows shows the imports of fish into Italy by countries during 1912, the latest year for which statistics are available (lira=19.3 cents; metric quintal=220.46 pounds):

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value.
Fresh fish of all kinds:	<i>Metric quintals.</i>	<i>Lire.</i>	Fish in brine—Continued.	<i>Metric quintals.</i>	<i>Lire.</i>
Austria-Hungary.....	5,484	877,440	Egypt.....	70	5,740
Belgium.....	1,270	207,200	Tripolitania and Cirenaica.....	4	328
France.....	9,749	1,559,840	Tunis.....	485	39,770
Germany.....	556	88,960	Canada.....	21	1,722
Greece.....	1,802	288,320	United States.....	11	902
Malta.....	34	5,440	Total.....	85,008	6,970,656
Montenegro.....	78	12,480	Fish, marinated or in oil, in boxes:		
Russia.....	52	8,320	Sardines and anchovies—		
Spain.....	64	10,240	Austria-Hungary.....	119	17,850
Switzerland.....	567	90,720	France.....	147	22,050
Turkey, European.....	61	9,760	Germany.....	58	8,700
Australia.....	8	1,280	United Kingdom.....	12	1,800
Spanish Africa.....	16	2,560	Norway.....	506	75,900
Algeria.....	128	20,480	Portugal.....	22,250	3,337,500
Tunis.....	753	120,480	Spain.....	828	124,200
United States.....	78	12,480	Switzerland.....	3	450
Total.....	20,700	3,316,000	Japan.....	4	600
Sardines, packed, and pilchards, dried or smoked:			Tripolitania and Cirenaica.....	19	2,850
United Kingdom.....	10,292	514,600	Tunis.....	5	750
Montenegro.....	19	950	United States.....	4	600
Norway.....	173	8,650	Total.....	23,955	3,593,250
Portugal.....	33	1,650	Tunny—		
Spain.....	15,235	761,750	France.....	51	10,455
United States.....	91	4,550	Germany.....	13	2,665
Total.....	25,843	1,292,150	United Kingdom.....	7	1,435
Cod and stockfish, dried or smoked:			Portugal.....	11,152	2,286,160
Belgium.....	475	40,375	Spain.....	23,751	4,869,570
Denmark.....	62,828	5,340,380	Tripolitania and Cirenaica.....	8	1,640
France.....	39,657	3,370,845	Tunis.....	4,030	826,150
Germany.....	772	65,620	United States.....	13	2,665
United Kingdom.....	54,782	4,656,470	Total.....	39,028	8,000,740
Norway.....	196,543	16,706,155	All other—		
Canada.....	109,614	9,317,190	Austria-Hungary.....	7	1,155
United States.....	9,271	788,035	France.....	213	35,145
Total.....	473,942	40,285,070	Germany.....	97	16,005
Herrings, dried or smoked:			United Kingdom.....	422	69,630
Austria-Hungary.....	21	672	Malta.....	3	495
Denmark.....	106	3,392	Norway.....	87	14,355
France.....	119	3,808	Netherlands.....	16	2,640
Germany.....	10	320	Portugal.....	32	5,280
United Kingdom.....	67,944	2,174,208	Spain.....	9	1,485
Norway.....	422	13,504	Brazil.....	5	825
Netherlands.....	103	3,296	Canada.....	3	495
Spain.....	141	4,512	United States.....	170	28,050
United States.....	105	3,360	Total.....	1,064	175,560
Total.....	68,971	2,207,072	Fish, marinated or in oil, otherwise packed:		
All other dried or smoked fish:			Sardines and anchovies—		
Austria-Hungary.....	109	5,995	Austria-Hungary.....	18	2,700
Germany.....	34	1,870	France.....	4	600
United Kingdom.....	897	49,335	Norway.....	72	10,800
Montenegro.....	568	31,240	Portugal.....	40	6,000
Norway.....	8	440	Total.....	134	20,100
Netherlands.....	20	1,100	Tunny—		
Russia.....	14	770	Germany.....	3	585
Switzerland.....	21	1,155	Spain.....	29	5,655
Tunis.....	149	8,195	Total.....	32	6,240
Total.....	1,820	100,100	All other—		
Fish in brine:			Austria-Hungary.....	4	600
Austria-Hungary.....	3,249	266,418	France.....	7	1,050
France.....	49	4,018	Germany.....	39	5,850
Germany.....	21	1,722	United Kingdom.....	163	24,450
United Kingdom.....	109	8,938	Spain.....	4	600
Greece.....	9	738	Total.....	217	32,550
Malta.....	15	1,230			
Portugal.....	16,089	1,319,298			
Spain.....	49,626	4,069,332			
Algeria.....	15,250	1,250,500			

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value.
Crustaceans and mollusks, edible, fresh:	<i>Metric quintals.</i>	<i>Lire.</i>	Crustaceans and mollusks, edible, cooked, or otherwise prepared:	<i>Metric quintals.</i>	<i>Lire.</i>
Austria-Hungary.....	1,626	73,170	France.....	8	1,206
Belgium.....	10	450	United Kingdom.....	48	7,200
France.....	311	14,130	British South Africa.....	6	900
Malta.....	8	360	United States.....	9	1,350
Montenegro.....	13	585	Total.....	71	10,650
Switzerland.....	32	1,440	Grand total.....	744,230	66,165,163
Tunis.....	1,412	64,890			
Total.....	3,415	155,025			

ROUMANIA.

The Roumanian fishing industry has made substantial progress in the last decade. Imports are still of importance, but the export trade has been growing and now amounts to more than \$400,000 annually. The production of Dobrodgia, Bratesh, and the Crown land of Braila for the fiscal year 1910-11 amounted to 27,484,197 pounds of fresh fish and 3,639,795 pounds of salt fish. Carp, pike, tench, and whitefish are caught in large quantities. Some fresh fish are imported, but the bulk of the imports are salted, dried, pickled, and canned fish. The imports of dried and salted fish in 1910 amounted to 11,046,899 pounds, and Russia supplied nearly all of this.

The table that follows shows the imports of various fish by countries in 1910 (kilo=2.2046 pounds; franc=19.3 cents):

Articles.	Countries of origin.						Total.	
	Greece.	Germany.	Netherlands.	Russia.	Turkey.	Other countries.	Quantity.	Value.
	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Francs.</i>
Carp:								
Fresh.....				115		7,075	7,190	3,595
Salted.....				324,330	118,215	30,214	472,759	283,655
Smoked.....			2				2	2
Mullet, sheatfish, tench, and Danube herring:								
Fresh.....				4,411	1,741	1,479	7,631	4,579
Salted.....	16			94,090	9,200	1,627	104,933	73,453
Dried and smoked.....				71	101	88	260	312
Huso, sturgeon, sterlet, and other kinds of sturgeon:								
Fresh.....				286	1,198	2,759	4,243	4,243
Salted.....		7		324	465	973	1,769	2,123
Salmon, sole, turbot, trout, sea eel, fresh or salted.....	421	1,768		349	1,354	1,611	5,503	13,758
Other fish, n. e. s.:								
Fresh.....		156			9,000	67,274	76,430	22,929
Salted or dried.....	8,146	1,220	6	7,883,347	58,985	43,045	7,994,749	3,197,900
Smoked.....		16		64	50		130	104
Stockfish.....			476			136	612	612
Herrings:								
Pickled.....		1,262,672	228,579	37,481		62,989	1,591,721	636,688
Smoked.....	4,596	411		5	82	36	5,130	5,143
Smoked sea herrings.....		22			24	3	49	81
Mackerel:								
Dried, called "Tziri".....					9,953	63	10,016	10,016
Salted sea mackerel.....				440	18,374	5	18,819	18,819
Tunny.....					261,762	8	261,770	523,540
Roach.....					14,951		14,951	17,941

Articles.	Countries of origin.						Total.	
	Greece.	Germany.	Netherlands.	Russia.	Turkey.	Other countries.	Quantity.	Value.
	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Kilos.</i>	<i>Francs.</i>
Sardines:								
Pickled, in casks.....	163,312	166,399	5,232		13,238	117,529	465,710	227,855
Russian.....		10				9	19	11
Anchovies, pickled, in casks.....		67		39,221	5,979		45,267	18,107
Sardines and anchovies, n. e. s.....	900		7		1,020	2,066	3,993	2,396
Pulp.....	49	3			21,253		21,302	31,953
Lobsters.....		75	14		786		1,204	5,056
Oysters, fresh.....			128	5	16	11,451	11,675	11,675
Mussels and other shell-fish.....		37						
Cray fish.....					9,418	1,370	10,825	1,083
Smoked fish preserves, sturgeon outlets ("bafog"), cod, and other kinds of sturgeon.....					23,944	6,530	30,474	9,142
Smoked trout, salmon, eels, and sprats.....		197	3	28	14	26	268	804
Fish preserves, in cans, in fat, oil, and vinegar.....		3,012	2	21		236	3,271	13,084
Preserves of oysters, lobsters, and other crustaceans and mollusca, in fat, oil, and vinegar.....	135	23,338	11,386	600	1,049	449,695	486,203	972,406
Caviar:	48	6,636	1		356	12,230	19,271	38,542
Fresh.....		5		2,515		130	2,650	39,750
Prepared or pressed.....				33,458	106	291	33,855	406,260
Botargo (caviar of mullet).....				2	269	27	298	5,960
Spawn of pike and carp, and other spawn, fresh or salted.....		3,820		597,271	7,822	1,930	610,843	610,843
Melt, soft roe, and other edible fish remnants.....				111	33	5	149	75

SERBIA.

The per capita consumption of fish in Serbia is low, as the local river fisheries are not of great importance and the great Continental fish markets are not particularly convenient. Statistics of the Serbian catch can not be obtained for recent years, but in 1906 the total amounted to 1,040,741 pounds. Carp are apparently the most important fish taken, the catch for 1906 amounting to 225,539 pounds. The next biggest catch was 102,234 pounds of catfish. A great variety of other river fish are caught, but not in important quantities.

The imports, which are not of great importance, are shown in the following table for 1911, in kilos of 2.2046 pounds and dinars, or francs, of 19.3 cents:

Articles and countries of origin.	Kilos.	Dinars.	Articles and countries of origin.	Kilos.	Dinars.
Fresh fish:			Dried fish, also smoked, salted, or prepared in some other way without oil, spices, and vinegar:		
Austria-Hungary.....	290,136	113,011	Austria-Hungary.....	12,435	13,809
Bosnia.....	14	15	Bulgaria.....	15	12
Bulgaria.....	2,317	1,699	Italy.....	41	84
Germany.....	11	105	Germany.....	3,019	2,132
Roumania.....	19,698	21,521	Norway.....	98	105
Russia.....	800	761	Roumania.....	13,428	11,954
Turkey.....	3,803	3,179	Russia.....	216,956	190,358
Total.....	316,779	140,291			

Articles and countries of origin.	Kilos.	Dinars.	Articles and countries of origin.	Kilos.	Dinars.
Dried fish, also smoked, salted, or prepared in some other way without oil, spices, and vinegar—Continued.			Caviar and substitutes for, fresh and preserved—Continued.		
Turkey.....	22,980	24,785	Germany.....	245	4,168
France.....	21	61	Roumania.....	6	85
Netherlands.....	1,670	869	Russia.....	92	1,247
Montenegro.....	147,281	67,786	Turkey.....	2	44
			France.....	1	16
Total.....	417,944	311,955	Total.....	539	9,666
Fish, preserved in oil, vinegar, and spices, in casks:			Sea and other shell fish, crawfish, and sea turtle and other:		
Austria-Hungary.....	1,571	1,595	Austria-Hungary.....	14	50
Greece.....	4	15	Belgium.....	9	15
Italy.....	388	1,180	Italy.....	4	10
Germany.....	1,900	1,832	Total.....	27	75
Roumania.....	109	219	Yellow caviar:		
Turkey.....	10	25	Austria-Hungary.....	1	5
Total.....	3,982	4,866	Russia.....	35	410
Caviar and substitutes for, fresh and preserved:			Turkey.....	13	41
Austria-Hungary.....	191	4,047	Total.....	49	456
Bulgaria.....	2	59			

GREECE.

[Consul A. B. Cooke, Patras.]

Although Greece has perhaps the longest and most varied littoral proportionately of any country in the world, its domestic supply of fish is entirely inadequate to the needs of the people and the demand of the market. In consequence of the limited supply of fresh fish that commodity commands a price on the retail market entirely beyond the means of the working people, the price of the most ordinary fish ranging from 17 to 20 cents throughout the year.

In view of this condition, Greece made a treaty some years ago with England by which Greece agreed to reduce the prohibitive duty on dried fish to the low rate of about one-half cent per pound, the quid pro quo being special exemption from duty on Greek currants and raisins entering Newfoundland. The result of this treaty was the immediate appearance on the Greek market of the dried Labrador cod or stockfish.

The cod is brought direct to this market from the Labrador coast or from Newfoundland in steamers or sailing vessels by the cargo. In 1912 there were thus brought to the markets of this consular district at least 42,000 quintals (quintal = 112 pounds) of cod, selling at the ports for \$5.60 per quintal (\$5 per 100 pounds). They were brought in by the local importers and disposed of to the retail dealers. Prices have been so favorable that the consumer has been able to buy dried cod at 7 to 8 cents a pound. He is therefore little inclined to pay 17 to 20 cents a pound for fresh fish.

In addition to the trade in cod, there is also an appreciable trade carried on in Labrador salmon. This article comes via Liverpool or New York, shipped in tierces of 300 pounds net. For prime large red fish the price in 1912 ranged from \$26.75 to \$28.25 per tierce at Greek ports. This market takes 300 to 400 tierces of salmon annually, which is consumed by the wealthier classes. The season extends from

October to March, fish of both kinds being sought especially during the seasons of religious fasting.

There is also a fair import trade in smoked herring, some \$100,000 worth a year coming from England. There is very little trade in canned fish, owing to a less favorable duty on such goods. Small quantities of sardines in tin come from France and somewhat larger quantities in tierces.

IMPORT STATISTICS.

The Greek imports of fish in 1911 are shown in the following table, the quantities in okes of 2.8215 pounds, and the values in francs of 19.3 cents:

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value.
Fresh fish:	<i>Okcs.</i>	<i>Francs.</i>	Fish called enos, lobsters, tunny in small boxes, etc.:	<i>Okcs.</i>	<i>Francs.</i>
Turkey.....	12,379	14,855	United Kingdom.....	17,154	68,616
Egypt.....	5,160	6,192	France.....	2,532	10,128
Netherlands.....	3,582	4,298	Austria-Hungary.....	332	1,328
Portugal.....	3,535	4,242	Netherlands.....	198	792
Total.....	24,656	29,587	Norway.....	193	772
Fish, salted, in brine, marinated, or smoked:			Germany.....	145	580
Austria-Hungary.....	216,525	476,355	Turkey.....	88	352
Portugal.....	203,605	447,931	Italy.....	81	324
Italy.....	67,533	148,572	Russia.....	23	92
United Kingdom.....	58,703	129,213	United States.....	14	56
Turkey.....	13,330	29,326	Total.....	20,760	83,040
Spain.....	9,242	20,332	Sardines in casks:		
Africa.....	2,969	6,532	France.....	2,176	9,139
Germany.....	1,959	4,310	Portugal.....	1,181	4,960
France.....	1,389	3,056	Netherlands.....	1,156	4,855
Russia.....	835	1,837	Italy.....	758	3,184
East Indies.....	131	288	Austria-Hungary.....	583	2,448
Bulgaria.....	65	143	Germany.....	312	1,310
Roumania.....	21	46	United Kingdom.....	288	1,210
Netherlands.....	22,975	50,545	Turkey.....	38	160
Total.....	599,282	1,318,486	Egypt.....	8	34
Fish, salted, "lakerda and tsiri:"			Total.....	6,500	27,300
Turkey.....	112,444	337,332	Cod and stockfish:		
United Kingdom.....	987	2,961	United Kingdom.....	2,241,266	1,793,012
Italy.....	986	2,958	France.....	1,759,405	1,407,524
Germany.....	506	1,518	United States.....	25,247	20,198
Portugal.....	241	723	Turkey.....	11,407	9,126
Bulgaria.....	144	432	Italy.....	7,440	5,952
United States.....	142	426	Germany.....	6,499	5,199
Russia.....	13	39	Austria-Hungary.....	3,061	2,449
Total.....	115,463	346,389	Crete.....	1,246	997
Herrings:			Norway.....	753	602
United Kingdom.....	865,144	1,038,172	Russia.....	581	465
Austria-Hungary.....	12,430	14,916	East Indies.....	564	451
Turkey.....	1,748	2,098	Denmark.....	456	365
France.....	606	727	Total.....	4,057,925	3,246,340
Sweden.....	565	678	Gray mullet, smoked:		
Netherlands.....	323	388	Italy.....	9,568	19,136
Germany.....	140	168	Turkey.....	624	1,248
Total.....	880,956	1,057,147	Chios.....	190	380
Mackerel and palamides, salted:			Total.....	10,382	20,764
Turkey.....	12,863	18,008	Dried, pulp dried or otherwise prepared, eels, and shrimps:		
Bulgaria.....	200	280	Africa.....	43,898	96,575
Portugal.....	24	33	Turkey.....	24,369	53,612
Total.....	13,087	18,321	Italy.....	23,120	48,661
			Russia.....	6,422	14,128

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value
Dried, pulp dried or otherwise prepared, eels, and shrimps—Continued.	<i>Okes.</i>	<i>Francs.</i>	Caviar, red, of all kinds—Continued.	<i>Okes.</i>	<i>Francs.</i>
Austria-Hungary.....	3,293	7,245	United Kingdom.....	883	1,589
United Kingdom.....	1,334	2,935	Austria-Hungary.....	525	945
France.....	810	1,782	Total.....	398,945	718,101
Total.....	102,246	224,941	Oysters:		
Caviar, black, and fish roe:			Turkey.....	17,714	35,428
Russia.....	5,707	79,898	Austria-Hungary.....	313	626
Turkey.....	18	252	Total.....	18,027	36,054
Egypt.....	18	252	Shellfish, all other:		
United Kingdom.....	6	84	Crete.....	101,901	50,950
Total.....	5,749	80,486	Turkey.....	32,554	16,277
Caviar, red, of all kinds:			Bulgaria.....	1,100	550
Russia.....	396,095	712,971	Total.....	135,555	67,777
Turkey.....	1,442	2,596			

BULGARIA.

The fishing industry of Bulgaria is not of great importance, and such fish as are caught are for domestic consumption. Sturgeon, sterlet, salmon, and carp are caught in the Danube, and turbot, mackerel, and other similar fish are taken in considerable quantities in the Black Sea. The imports of fish are not of great value, the principal item being salted fish from Turkey and Russia, the former furnishing 2,396,990 kilos (5,813,085 pounds) in 1910 and the latter 207,906 kilos (458,349 pounds).

The following table shows the imports of fish into Bulgaria in 1910, the latest year for which statistics are available (kilo = 2.2046 pounds; franc = 19.3 cents):

Articles and countries.	Quantity.	Value.	Articles and countries.	Quantity.	Value.
Fish, fresh, of all kinds:	<i>Kilos.</i>	<i>Francs.</i>	Fish, smoked, of all kinds; herrings and stockfish—Continued.	<i>Kilos.</i>	<i>Francs.</i>
Austria-Hungary.....	153	229	Russia.....	1,114	3,200
Roumania.....	11,390	14,211	Turkey.....	343	780
Turkey.....	39,530	19,557	France.....	43	143
Total.....	51,073	33,997	Other countries.....	58	65
Fish, salted, of all kinds:			Total.....	3,434	11,013
Austria-Hungary.....	229	213	Fish, not elsewhere specified:		
Germany.....	1,546	574	Total, from Germany.....	4	45
Greece.....	5,826	3,766	Fish roe:		
Italy.....	6,455	4,705	Turkey.....	54	844
Roumania.....	16,086	10,891	Other countries.....	3	22
Russia.....	207,906	137,127	Total.....	57	866
Turkey.....	2,396,990	1,466,954	Caviar, black:		
France.....	382	419	Austria-Hungary.....	28	475
Netherlands.....	550	345	Germany.....	7	210
All other countries.....	828	487	Roumania.....	113	2,373
Total.....	2,636,798	1,625,781	Russia.....	340	6,425
Mackerel, dried, and other dried fish:			Servia.....	4	130
Russia.....	706	901	Turkey.....	60	1,049
Turkey.....	19,088	26,807	Total.....	552	10,662
Other countries.....	154	129	Pike roe:		
Total.....	19,948	27,837	Roumania.....	282	1,139
Fish, smoked, of all kinds; herrings and stockfish:			Russia.....	284	1,130
Austria-Hungary.....	33	133	Turkey.....	5,594	16,481
Germany.....	1,320	5,630	Total.....	6,160	18,750
Norway.....	227	563			
Roumania.....	296	499			

Articles and countries.	Quantity.	Value.	Articles and countries.	Quantity.	Value.
Caviar, red:	<i>Kilos.</i>	<i>Francs.</i>	Pulp:	<i>Kilos.</i>	<i>Francs.</i>
Austria-Hungary.....	61	45	Total, from Turkey.....	20,080	33,137
Roumania.....	4,059	6,791	Meat of lobsters, mussels,		
Russia.....	153,865	188,358	turtles, and other marine		
Turkey.....	16,040	30,234	animals:		
France.....	21	51	Total, from Turkey.....	2	3
Total.....	174,046	225,479			
Crabs, mussels, oysters, etc.,					
fresh:					
Turkey.....	8,946	7,213			
Belgium.....	87	203			
Roumania.....	57	29			
Total.....	9,090	7,445			

SWITZERLAND.

The principal, in fact the only important, import of American fish into Switzerland, consists of frozen salmon. It is imported through Hamburg houses and is said to be sold at times for the popular Rhine salmon. The American product retails at 24 to 41 cents a pound and Swiss salmon sells at 57 to 77 cents.

The retail prices of canned salmon range from 16 to 31 cents per can, the better grades coming from the United States. Canned shrimp packed in New Orleans and Biloxi have appeared in the market and are becoming popular. Shrimp sells for 27 cents per half-pound can and 41 cents per pound can.

The Swiss market for fish is, of course, not an extensive one, as may be judged from the following table, which shows the Swiss imports of fish by countries for 1913 (metric quintal = 220.46 pounds; franc = 19.3 cents):

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value.
Fresh-water fish, fresh or frozen:	<i>Metric quintals.</i>	<i>Francs.</i>	Fish, dried, salted, pickled, smoked, or otherwise—		
Germany.....	2,095	377,100	Continued.		
Austria-Hungary.....	339	71,190	In receptacles weighing		
France.....	1,257	377,100	more than 3 kilos—	<i>Metric quintals.</i>	<i>Francs.</i>
Italy.....	671	107,360	Continued.		
Netherlands.....	348	69,600	Belgium.....	304	38,000
United Kingdom.....	333	163,170	Netherlands.....	620	89,900
Russia.....	930	176,700	United Kingdom.....	1,172	140,640
Sweden.....	51	16,575	Russia.....	1	110
Norway.....	206	70,040	Sweden.....	1	110
United States.....	1,281	243,390	Norway.....	1,592	175,120
Total.....	7,511	1,672,225	Denmark.....	230	25,300
Salt-water fish, fresh or frozen:			Portugal.....	142	19,880
Germany.....	10,358	673,270	Spain.....	1,289	206,240
France.....	4,669	840,420	Canada.....	11	1,320
Italy.....	66	14,520	United States.....	47	5,640
Belgium.....	2,589	517,800	Total.....	10,468	1,271,070
Netherlands.....	1,138	91,040	In receptacles weighing 3		
United Kingdom.....	2,462	344,680	kilos or less—		
Denmark.....	1,148	80,360	Germany.....	399	67,830
Total.....	22,430	2,562,090	Austria-Hungary.....	12	2,040
Fish, dried, salted, pickled, smoked, or otherwise prepared:			France.....	3,996	1,098,900
In receptacles weighing			Italy.....	332	56,440
more than 3 kilos—			Belgium.....	143	28,600
Germany.....	2,424	266,640	Netherlands.....	11	2,310
Austria-Hungary.....	15	1,650	United Kingdom.....	437	91,770
France.....	1,271	158,875	Russia.....	9	1,530
Italy.....	1,349	141,645	Sweden.....	18	3,060
			Norway.....	1,522	258,740
			Denmark.....	5	850
			Portugal.....	1,263	194,450
			Spain.....	846	126,900
			British India.....	3	495

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value.
Fish, dried, salted, pickled, smoked, or otherwise—Continued.			Mussels and shellfish, oysters, lobsters, etc., fresh:	<i>Metric quintals.</i>	<i>Francs.</i>
In receptacles weighing 3 kilos or less—Contd.			Germany.....	5	1,500
China.....	<i>Metric quintals.</i>	<i>Francs.</i>	France.....	696	184,440
Canada.....	150	24,750	Italy.....	100	40,000
United States.....	80	13,200	Belgium.....	121	42,350
Colombia.....	1	165	Netherlands.....	1	240
Australia.....	3	495	United States.....	1	250
Total.....	9,231	1,972,690	Total.....	924	268,780

EGYPT.

The fishing industry of Egypt is of considerable importance, especially at Lake Menzola, where no less than 4,000 persons are employed. There is also fishing on an important scale in the Nile and at the Delta. The value of the annual catch is estimated at about \$1,000,000. Dried and salted fish eggs, known as batarehk, are greatly relished.

Practically no fresh fish are imported, the only important purchases abroad being preserved fish of some sort. Over 4,000,000 pounds are imported from the United Kingdom. Imports for 1913 are shown in the table that follows in Egyptian pounds of \$4.943 and kilos of 2.2046 pounds:

Articles and countries of origin.	Quantity.	Value.	Articles and countries of origin.	Quantity.	Value.
Fish, salted, smoked, or preserved:			Fish, salted, smoked, or preserved—Continued.		
United Kingdom.....	<i>Kilos.</i>	<i>Egyptian pounds.</i>	Portugal.....	<i>Kilos.</i>	<i>Egyptian pounds.</i>
British possessions in the Mediterranean.....	1,913,772	38,025	Roumania.....	411,322	14,224
British India.....	1,914	87	Russia.....	213	20
Australia and New Zealand.....	1,902	34	Sweden.....	12,704	615
British possessions in Africa.....	84,722	5,677	Switzerland.....	726	38
Abyssinia.....	648	19	Turkey.....	5,818	769
Germany.....	4,202	84	Total.....	168,802	7,968
Austria-Hungary.....	100,538	1,526	Caviar of all kinds:		
Brazil.....	5,709	264	Austria-Hungary.....	151	173
Denmark.....	31	11	France.....	50	119
Spain.....	37,784	1,005	Greece.....	190	14
United States.....	121,216	5,621	Russia.....	41,586	3,713
France.....	7,148	281	Switzerland.....	149	294
French Mediterranean possessions.....	252,400	9,899	Turkey.....	1,295	181
Greece.....	720	64	Total.....	43,421	4,494
Netherlands.....	156,332	3,797	Shellfish, all kinds: Total, from Turkey.....	35,927	367
Italy.....	9,121	194			
Norway.....	319,158	13,447			
	298,833	11,246			

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