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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

GENERAL MANUFACTURES BRANCH

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CANNED FOOD PRODUCTION

IN

CANADA

1937



OTTAWA
1939

Price 15 cents

Profits and losses cannot be estimated from the figures published in this report as no data are collected for overhead expenses such as rent, depreciation, taxes, insurance, advertising, etc.

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES BRANCH
OTTAWA - CANADA

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CANNED FOOD PRODUCTION IN CANADA, 1937.

The development in the production of canned foods in Canada showed a remarkable expansion since the beginning of the twentieth century. In 1900 the total value did not exceed \$8,250,000, whilst in 1930 it had increased to more than \$55,000,000 or six and one-half times as much. In 1933 the value of production dropped to \$33,000,000, and rose again to nearly \$55,000,000 in 1936 and to \$62,194,905 in 1937. The principal commodities used in the canning industry are: fish, fruits and vegetables, milk and meats, whilst the industry itself forms an adjunct of considerable importance to other industries, notably the tin can industry, the wooden box industry and the paper and printing industries. The development of the canned foods trade has effected great changes in the relation of foods to seasons. Fruits and vegetables of many kinds are to be had at all times of the year, not always with all the flavour of the freshly gathered product, but with much of their original freshness and flavour. The producers in the country are provided with an enormously extended market, and the consumer in both city and country with cheap and wholesome food in great variety. The consumer is also protected by the inspection services of the Department of Agriculture and the Department of Fisheries, Ottawa.

The principal statistics of establishments primarily employed in the production of canned foods for the calendar year 1937 are presented in the following summary table. It should be remembered that the statistics in this table are for all products and by-products of the several industries shown. The figures of production, therefore, are not comparable with those shown elsewhere in this report.

CANNED FOOD PRODUCTION IN CANADA, 1937.

Table 1. - Principal Statistics of the Industries Producing Canned Goods, 1936 and 1937.

	Estab- lish- ments	Capital Invested	Total Em- ployees	Total Salaries and Wages	Gross Value of Production
	No.	\$	No.	\$	\$
<u>1936</u>					
Fish, canned	404	12,775,616	12,046	2,484,489	16,705,722
Fruit and vegetable preparations	304	41,572,514	9,258	6,066,761	47,337,397
Condensed and evaporated milk	22	4,863,960	715	805,576	8,507,866
Meats, canned	18	546,000 ^{1/}	91 ^{1/}	108,000 ^{1/}	1,101,014
TOTAL, 1936	748	59,758,090	22,110	9,464,826	73,651,999
<u>1937</u>					
Fish, canned	382	12,104,103	10,801	2,472,457	15,054,133
Fruit and vegetable preparations	348	47,488,051	10,630	7,194,477	50,289,711
Condensed and evaporated milk	24	5,477,783	802	893,826	11,247,823
Meats, canned	19	570,700 ^{1/}	101 ^{1/}	139,000 ^{1/}	1,318,900
TOTAL, 1937	773	65,640,637	22,334	10,699,760	77,910,567

1/ Estimated.

CANNED FOOD PRODUCTION IN CANADA, 1937.

Imports and Exports

Imports of canned foods in the calendar year 1937 amounted to \$3,152,673, mostly of fruit and vegetables not grown in Canada by reason of climatic conditions.

Exports of canned foods, the produce of Canada, during 1937 amounted in value to \$19,918,349, of which canned fish totalled \$10,608,818 and concentrated milk products \$3,174,594.

The following table summarizes the imports and exports of canned foods by classes and value for the calendar years 1930 to 1937.

Table 2. - Imports and Exports of Canned Foods, Calendar Years 1930 to 1937.

	1930	1931	1932	1933	1934	1935	1936	1937
	\$	\$	\$	\$	\$	\$	\$	\$
<u>IMPORTS -</u>								
Canned fish	1,177,029	928,079	671,386	659,554	713,018	891,702	1,202,253	1,002,585
Canned fruits	2,954,415	1,678,341	587,903	764,380	753,052	1,011,578	1,337,577	1,114,159
Canned vegetables	1,461,185	765,581	298,041	194,596	223,507	218,615	308,403	259,707
Canned meats and soups	2,747,849	1,053,685	372,613	411,990	489,943	539,936	625,240	660,539
Concentrated milk products	42,985	69,049	27,207	22,994	25,123	22,318	35,876	115,683
TOTAL IMPORTS ...	8,383,463	4,494,735	1,957,150	2,053,514	2,204,643	2,684,149	3,509,349	3,152,673
<u>EXPORTS -</u>								
Canned fish	10,583,204	9,591,171	7,361,077	8,141,552	9,129,954	10,475,278	9,275,885	10,608,818
Canned fruits	250,271	331,091	581,438	897,208	1,422,413	1,414,234	1,145,856	1,809,501
Canned vegetables	631,015	654,332	580,673	806,895	608,078	1,224,425	1,292,072	2,330,533
Canned meats and soups	797,141	544,725	721,632	937,580	1,432,027	1,184,570	1,794,771	1,994,903
Concentrated milk products	2,948,246	2,098,025	2,097,899	2,097,153	2,209,750	2,247,075	1,886,468	3,174,594
TOTAL EXPORTS ...	15,209,877	13,219,344	11,342,719	12,880,388	15,181,685	16,975,636	15,973,108	19,918,349

CANNED FOOD PRODUCTION IN CANADA, 1937.

Table 3. - Production of Canned Foods in Canada, 1928 to 1937.

	Unit of Measure	1928		1929	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish	Case	2,531,075	18,380,344	2,029,415	16,996,478
Canned fruits	"	1,019,492	3,283,873	1,101,188	3,827,027
Canned vegetables	"	5,484,460	13,699,681	5,626,098	15,223,673
Canned meats	Pound	6,815,051	947,225	10,197,431	1,432,524
Canned soups	Case	408,245	1,390,612	556,739	1,893,266
Other canned foods	"	75,361	363,301	108,874	471,956
Concentrated milk products	Cwt.	1,024,925	10,096,482	1,060,574	10,288,131
TOTAL	-	-	48,161,518	-	50,133,055
			\$		\$
	Unit of Measure	1930		1931	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish	Case	2,732,983	18,413,477	1,094,532	9,021,461
Canned fruits	"	927,838	3,520,213	784,833	2,444,818
Canned vegetables	"	8,750,035	19,459,911	5,991,949	10,943,131
Canned meats	Pound	6,443,349	914,379	5,153,019	894,799
Canned soups	Case	777,269	2,517,813	1,085,107	3,497,766
Other canned foods	"	95,486	506,067	394,753	1,102,982
Concentrated milk products	Cwt.	1,077,723	9,793,521	839,943	7,011,710
TOTAL	-	-	55,125,381	-	34,916,667
			\$		\$
	Unit of Measure	1932		1933	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish	Case	1,433,021	9,789,254	1,637,991	10,147,138
Canned fruits	"	1,336,153	3,444,647	1,201,275	2,894,951
Canned vegetables	"	4,229,268	8,296,652	4,531,542	8,257,296
Canned meats	Pound	3,108,220	685,765	3,142,249	661,248
Canned soups	Case	1,094,570	3,408,050	1,438,523	4,077,071
Other canned foods	"	705,372	1,565,601	-	1,358,605
Concentrated milk products	Cwt.	815,491	5,922,993	843,994	5,451,656
TOTAL	-	-	33,112,962	-	32,847,965

CANNED FOOD PRODUCTION IN CANADA, 1937.

Table 3. - Production of Canned Foods in Canada, 1928 to 1937 - (Concluded)

	Unit of Measure	1934		1935	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish	Case	2,134,549	14,205,665	2,106,807	13,638,127
Canned fruits	"	1,270,628	3,509,156	1,825,613	4,757,301
Canned vegetables	"	6,062,374	10,876,830	6,602,822	12,101,138
Canned meats	Pound	3,660,878	791,426	4,007,740	862,572
Canned soups	Case	2,022,300	4,947,774	1,603,685	3,978,806
Other canned foods	-	-	2,445,852	-	3,112,009
Concentrated milk products	Cwt.	908,430	5,991,759	1,036,030	6,849,989
TOTAL	-	-	42,768,462	-	45,299,942
	Unit of Measure	1936		1937	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish	Case	2,566,161	15,564,501	2,217,708	13,619,606
Canned fruits	"	2,052,077	5,318,731	2,120,413	5,251,981
Canned vegetables	"	7,410,145	13,963,401	9,611,050	17,117,580
Canned meats	Pound	5,036,186	1,101,014	6,093,546	1,318,900
Canned soups	Case	2,583,324	6,256,444	2,426,739	6,021,687
Other canned foods	-	-	5,064,541	-	8,786,959
Concentrated milk products	Cwt.	1,098,143	7,434,896	-	10,078,192
TOTAL	-	-	54,703,528	-	62,194,905

CANNED FOOD PRODUCTION

Table 4. - Production of Canned

	Unit of Measure	CANADA		Ontario	
		Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
			\$		\$
Fish, canned	Cases	2,217,708	13,619,606	-	-
Salmon	"	1,509,520	9,268,404	-	-
Lobster	"	88,581	2,084,120	-	-
Lobster tomalley	"	6,132	60,304	-	-
Sardines	"	423,043	1,458,817	-	-
Clams	"	35,908	168,359	-	-
Clam chowder	"	1,898	7,267	-	-
Quahaugs	"	1,316	7,907	-	-
Herring	"	81,650	307,841	-	-
Halibut	"	175	1,312	-	-
Haddock	"	7,196	28,137	-	-
Hake and Cusk	"	12,522	53,278	-	-
Pilchards	"	40,975	110,351	-	-
Tuna	"	995	5,970	-	-
Shrimps	"	222	5,760	-	-
Oysters	"	587	5,870	-	-
Mackerel	"	898	3,696	-	-
Scallops	"	15	120	-	-
Cod	"	4,458	16,320	-	-
Crabs	"	1,564	25,296	-	-
Abalone	"	53	477	-	-
Fruits, canned ^{1/}	Cases	2,120,413		1,375,549	
	Pounds	69,142,174	5,251,981	43,670,860	3,477,642
Apples, including crabapples	Cases	419,493		88,231	
	Pounds	15,897,926	786,646	3,392,740	183,027
Apple sauce	Cases	7,921		7,921	
	Pounds	226,219	15,317	226,219	15,317
Apricots	Cases	88,856		(2)	
	Pounds	2,729,116	255,665	(2)	(2)
Blueberries	Cases	81,918		(2)	
	Pounds	2,650,421	175,360	(2)	(2)
Cherries	Cases	131,491		122,229	
	Pounds	4,226,215	344,910	3,942,904	312,575
Loganberries	Cases	52,644		-	
	Pounds	1,672,842	170,306	-	-
Peaches	Cases	472,898		444,181	
	Pounds	14,364,502	1,249,548	13,456,592	1,157,609
Pears, Bartlett	Cases	210,905		120,750	
	Pounds	6,980,172	639,076	4,022,324	356,487
Pears, Keeffer	Cases	340,138		329,214	
	Pounds	10,479,933	714,483	10,161,481	692,418
Plums, gages, etc. ...	Cases	86,807		58,292	
	Pounds	2,722,626	162,991	1,829,993	106,319
Raspberries	Cases	62,974		49,485	
	Pounds	1,835,243	182,852	1,438,032	135,688

IN CANADA, 1937.

Foods, by Provinces, 1937.

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
7,126	151,319	1,591,912	9,560,547	618,670	3,907,740
764	4,587	1,508,577	9,261,988	179	1,829
6,023	144,332	-	-	82,558	1,939,788
174	1,080	-	-	5,958	59,224
-	-	-	-	423,043	1,458,817
150	1,200	12,587	63,906	23,171	103,253
-	-	-	-	1,898	7,267
-	-	-	-	1,316	7,907
-	-	27,365	87,259	54,285	220,582
-	-	-	-	175	1,312
-	-	-	-	7,196	28,137
-	-	-	-	12,522	53,278
-	-	40,975	110,351	-	-
-	-	-	-	995	5,970
-	-	222	5,760	-	-
-	-	587	5,870	-	-
-	-	-	-	898	3,696
15	120	-	-	-	-
-	-	-	-	4,458	16,320
-	-	1,546	24,936	18	360
-	-	53	477	-	-
34,551		384,715		325,598	
948,548	74,902	12,483,332	1,069,033	12,039,434	630,404
-	-	82,847		248,415	
-	-	3,088,439	152,807	9,416,747	450,812
-	-	-	-	-	-
-	-	67,986		-	
-	-	2,011,456	189,734	-	
18,786		-		59,913	
506,784	34,709	-	-	2,010,952	131,373
-	-	9,262		-	
-	-	283,311	32,335	-	
-	-	52,644		-	
-	-	1,672,842	170,306	-	
(2)		22,644		-	
(2)	(2)	739,320	74,920	-	
-	-	84,534		(2)	
-	-	2,692,555	265,552	(2)	(2)
(2)		-		(2)	
(2)	(2)	-		(2)	(2)
-	-	27,136		1,379	
-	-	849,095	54,141	43,538	2,531
1,474		12,015		-	
40,066	4,445	357,145	42,719	-	

CANNED FOOD PRODUCTION

Table 4. - Production of Canned Foods,

	Unit of Measure	CANADA		Ontario	
		Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
			\$		\$
Fruits, canned ^{1/} -(Concl'd.)					
Rhubarb	Cases	8,751		6,664	
	Pounds	336,760	14,115	255,419	9,814
Strawberries	Cases	56,594		29,861	
	Pounds	1,719,086	199,172	948,135	104,483
Other small fruits	Cases	4,391		-	
	Pounds	154,437	12,844	-	-
All other fruits ^{3/}	Cases	94,632		118,721	
	Pounds	3,146,676	328,696	3,997,021	403,905
Vegetables, canned	Cases	9,611,050		6,192,940	
	Pounds	325,190,983	17,117,580	205,701,868	10,991,726
Asparagus	Cases	148,452		129,872	
	Pounds	3,400,140	465,312	2,984,897	387,545
Beans, green or wax	Cases	537,947		47,277	
	Pounds	15,854,551	876,786	1,386,668	76,389
Beans, baked, etc.	Cases	1,437,954		932,045	
	Pounds	45,492,526	2,721,997	26,922,047	1,671,805
Beets	Cases	50,999		40,783	
	Pounds	1,511,303	101,766	1,202,314	78,755
Carrots	Cases	18,391		16,429	
	Pounds	547,479	30,598	480,519	26,143
Carrots and peas combined	Cases	32,262		(4)	
	Pounds	870,298	70,189	(4)	(4)
Corn on the cob	Cases	32,740		(
	Pounds	1,208,413	93,565	(
Corn, cream, whole grain, etc.	Cases	1,742,418		(1,262,586	
	Pounds	50,534,283	3,063,726	(36,430,396	2,287,507
Peas	Cases	1,853,544		1,255,903	
	Pounds	53,891,537	3,305,040	36,367,626	2,223,248
Pumpkin	Cases	96,873		65,114	
	Pounds	4,029,124	146,197	2,710,573	93,690
Spinach	Cases	64,247		39,042	
	Pounds	2,049,787	157,833	1,171,109	85,977
Tomatoes	Cases	3,539,693		2,388,455	
	Pounds	144,341,305	5,927,648	95,662,648	4,022,506
Mushrooms	Cases	17,410		(4)	
	Pounds	392,489	82,108	(4)	(4)
All other vegetables	Cases	38,120		15,434	
	Pounds	1,067,748	74,815	383,071	38,161
Other Canned Foods -					
Meats	Pounds	6,093,546	1,318,900	444,060	91,194
Soups, all kinds	Cases	2,426,739		2,091,293	
	Pounds	67,403,894	6,021,687	56,214,310	5,221,277
Chicken	Pounds	500,700	183,948	181,424	71,612
Spaghetti and macaroni ..	Cases	307,520		206,518	
	Pounds	10,936,183	806,457	7,855,055	625,660
Tomato juice	Cases	1,933,870		1,743,724	
	Pounds	65,161,197	3,102,725	58,673,563	2,764,217

IN CANADA, 1937.

by Provinces, 1937 - (Continued)

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
(2)		1,837		-	
(2)	(2)	71,341	3,426	-	-
(2)		19,518		5,247	
(2)	(2)	564,381	70,388	149,962	18,447
-		4,292		(2)	
-	-	153,447	12,705	(2)	(2)
14,291		-		10,644	
401,698	35,748	-	-	418,235	27,241
2,048,233		1,093,022		276,855	
71,414,791	3,417,691	40,293,989	2,231,848	7,780,335	476,315
-		18,242		(4)	
-	-	405,103	76,428	(4)	(4)
343,795		109,800		37,075	
10,204,207	514,474	3,203,693	222,511	1,059,983	63,412
416,780		72,074		17,055	
14,789,432	817,591	3,216,429	191,351	564,618	41,250
(4)		5,731		4,279	
(4)	(4)	178,958	15,009	123,851	7,714
(4)		(4)		-	
(4)	(4)	(4)	(4)	-	-
-		(4)		(4)	
-	-	(4)	(4)	(4)	(4)
16,217		-		-	
734,319	34,732	-	-	-	-
355,292		(4)		(4)	
10,512,158	591,556	(4)	(4)	(4)	(4)
241,891		224,042		131,708	
7,072,743	399,863	6,900,328	455,979	3,550,840	225,950
(4)		20,539		(4)	
(4)	(4)	824,808	34,802	(4)	(4)
(4)		21,033		(4)	
(4)	(4)	753,313	62,091	(4)	(4)
645,979		502,618		(4)	
27,367,150	995,130	21,230,177	904,844	(4)	(4)
(4)	(4)	(4)		-	
(4)	(4)	(4)	(4)	-	-
28,279		118,943		86,738	
734,782	64,345	3,581,180	268,833	2,481,043	137,989
838,915	268,473	1,549,397	278,762	3,261,174	680,471
248,335		85,721		(5)	
8,453,170	525,658	2,688,504	269,994	(5)	(5)
(5)	(5)	-	-	304,607	101,954
-		-		-	
-	-	-	-	-	-
84,477		105,246		(5)	
2,917,429	130,740	3,559,630	207,134	(5)	(5)

CANNED FOOD PRODUCTION

Table 4. - Production of Canned Foods,

	Unit of Measure	CANADA		Ontario	
		Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
			\$		\$
Other Canned Foods - (Concluded)					
Tomato paste and puree	Cases	177,418		170,615	
	Pounds	7,120,436	308,371	6,859,824	297,938
Tomato pulp, canned ..	Cases	72,511		58,336	
	Pounds	3,047,260	147,915	2,594,378	132,834
Tomato pulp, other ...	Cases	-		-	
	Pounds	3,295,762	28,946	1,578,786	14,356
Tomato catsup, canned	Cases	141,029		55,715	
	Pounds	5,251,872	297,720	2,462,032	168,222
Tomato catsup, other .	Cases	-		-	
	Pounds	22,185,393	2,985,893	19,995,257	2,834,189
Paste, meat, chicken and fish	Cases	29,333		4,972	
	Pounds	280,977	81,593	25,926	7,916
Vegetable dinners	Cases	46,349		(5)	
	Pounds	1,101,141	97,474	(5)	(5)
Foods, prepared for infants	Cases	292,270		289,610	
	Pounds	2,198,064	546,451	2,179,444	541,772
Sauerkraut, canned ...	Cases	31,516		31,516	
	Pounds	1,298,502	57,406	1,298,502	57,406
Apple pie filling, canned	Cases	29,525		29,525	
	Pounds	1,123,820	82,388	1,123,820	82,388
Fruit juices, canned .	Cases	12,961		(5)	
	Pounds	486,142	28,854	(5)	(5)
All other canned goods	Cases	9,278		28,994	
	Pounds	288,455	30,818	852,681	51,238
Concentrated Milk Products					
Condensed milk -					
Case goods	Pounds	7,532,035	686,868	7,008,707	642,798
Bulk goods	"	3,863,645	317,699	3,863,645	317,699
Evaporated milk -					
Case goods	"	91,016,590	6,144,445	65,376,934	4,537,055
Bulk goods	"	314,125	16,697	314,125	16,697
Whole milk powder	"	5,454,997	833,480	5,451,621	832,535
Cream powder	"	36,336	12,962	36,336	12,962
Condensed coffee	"	83,649	11,443	-	-
Condensed skim milk ...	"	4,999,582	259,911	4,851,422	255,948
Evaporated skim milk ..	"	726,993	19,524	726,993	19,524
Skim milk powder	"	18,492,326	1,422,768	14,608,230	1,139,597
Condensed buttermilk ..	"	576,914	11,916	188,861	4,000
Buttermilk powder	"	2,542,081	147,230	2,004,376	121,254
Sugar of milk	"	188,276	11,296	188,276	11,296
Casein	"	1,572,314	181,953	962,754	118,731

- (1) Fruits and vegetables canned by domestic or home canners are not included.
- (2) Included under "All other fruits".
- (3) Includes: pineapple, grapefruit and fruits for salad.

IN CANADA, 1937.

by Provinces, 1937 - (Concluded)

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
-		6,803		-	
-	-	260,612	10,433	-	-
(-	8,761		-	-
(-	241,730	5,108	-	-
(-	-		-	-
(1,657,508	22,533	270,620	2,030	-	-
(-	-		-	-
(-	-		-	-
(-	-		-	-
(2,216,491	153,492	2,763,485	127,710	-	-
-		-		2,150	
-	-	-	-	23,272	6,699
-	-	-	-	-	-
(5)	-	-	-	-	-
(5)	(5)	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	(5)	-	-	-
-	-	(5)	(5)	-	-
162,798		2,624		3,129	
4,256,073	358,471	58,980	7,774	112,685	7,891
-	-	-	-	523,328	44,070
-	-	-	-	-	-
(6)	(6)	(6)	(6)	(6)	(6)
-	-	-	-	-	-
-	-	3,376	945	-	-
-	-	-	-	-	-
-	-	-	-	83,649	11,443
148,160	3,963	-	-	-	-
-	-	-	-	-	-
1,418,093	73,906	2,060,030	179,223	405,973	30,042
326,269	5,710	61,784	2,206	-	-
145,297	9,385	-	-	392,408	16,591
-	-	-	-	-	-
215,465	21,448	394,095	41,774	-	-

(4) Included under "All other vegetables".

(5) Included under "All other canned goods".

(6) Information cannot be published.

CANNED FOOD PRODUCTION IN CANADA, 1937.

FISH CANNING

The principal varieties of fish used in Canadian canneries are in order of their importance: salmon, lobsters, sardines, herring, clams, pilchards, hake and cusk, haddock and crabs.

Salmon Canning. - The canning of salmon in Canada is an industry confined almost wholly to the province of British Columbia (a), where this river-spawning fish of the Pacific coast is taken in abundance. Annual records of the salmon pack extend to 1876, when the number of cases was 9,847. The annual pack in recent years has, with few exceptions, exceeded a million cases, and in each of three years (1926, 1928 and 1930) was more than two million cases. The pack of 1937 totalled 1,509,520 cases, valued at \$9,268,404. The salmon canneries of British Columbia are of large capacity, with an average capital investment in 1937 of \$226,408. The average value of production of the plants in the same year was \$298,060, and the average number of employees, 120. Under regulations made by Order in Council of April 4, 1932, canned salmon shipped out of the province must be inspected, and graded according to quality, and each can must carry a letter representing the species of salmon.

Every species of salmon (which, however, is not the salmo salar or true salmon) known to the waters of the Pacific is to be found on the British Columbia Coast - the sockeye, the spring, the coho, the pink and the chum salmon. Of these the sockeye, though not taken in such great numbers as the pinks and chums, is by far the most important, owing to its abundance, its deep red colour and its excellent texture which have created so keen a demand in British and foreign markets. The chief sources of supply are the Skeena River and other northern waters, and the Fraser River. The remaining species are all marketable in quality though not commanding the high place attained by the sockeye. A table showing the annual salmon pack since the beginning of the industry is appended.

Annual Pack of Salmon, 1876 to 1937.

Year	Cases	Year	Cases
	No.		No.
1876	9,847	1895	566,395
1877	67,387	1896	601,570
1878	113,601	1897	1,027,204
1879	61,093	1898	492,657
1880	61,849	1899	765,517
1881	117,276	1900	606,530
1882	225,061	1901	1,236,156
1883	196,292	1902	625,982
1884	141,242	1903	473,674
1885	108,517	1904	465,894
1886	161,264	1905	1,167,822
1887	204,083	1906	629,460
1888	181,040	1907	542,266
1889	414,294	1908	542,689
1890	409,464	1909	967,920
1891	314,893	1910	762,201
1892	228,470	1911	948,965
1893	590,229	1912	996,626
1894	494,371	1913	1,353,901

(a) There are a number of small salmon canneries on the Atlantic Coast of Canada, but their combined production of canned salmon in 1937 amounted to only 943 cases.

CANNED FOOD PRODUCTION IN CANADA, 1937.

Annual Pack of Salmon, 1876 to 1937 - (Concluded)

Year	Cases No.	Year	Cases No.
1914	1,111,039	1926	2,065,190
1915	1,133,381	1927	1,360,634
1916	995,065	1928	2,035,629
1917	1,557,485	1929	1,399,541
1918	1,616,157	1930	2,223,469
1919	1,393,156	1931	686,697
1920	1,187,616	1932	1,082,325
1921	603,548	1933	1,265,072
1922	1,290,326	1934	1,584,593
1923	1,341,677	1935	1,530,320
1924	1,745,313	1936	1,882,275
1925	1,719,282	1937	1,509,520

Lobster Canning. - The lobster is found in Canada in Atlantic Coast waters only, and the lobster canning industry is confined to the eastern Maritime Provinces, with Nova Scotia as the chief producer. The annual pack of lobster in the early years of the present century frequently exceeded two hundred thousand cases, but since 1911, the output has been below that figure, and in each of the past three years the pack has been less than one hundred thousand cases. In 1937 the pack of lobster amounted to 88,581 cases, valued at \$2,084,120. Large quantities of canned lobster are exported annually, the principal countries of destination being the United Kingdom, the United States, France and Sweden.

In order to conserve the fishery the government prohibits the capture of lobsters of less than a fixed minimum size, and also makes provision for the closing to lobster fishing of such areas and for such periods in each year as may be deemed advisable.

A table showing the annual pack of lobster from 1897 to date follows.

Annual Pack of Lobsters, 1897 to 1937.

Year	Cases of 48 Pounds No.	Year	Cases of 48 Pounds No.
1897	231,886	1909	188,992
1898	223,554	1910	183,094
1899	218,652	1911	208,482
1900	219,756	1912	187,616
1901	209,513	1913	166,512
1902	194,794	1914	160,902
1903	220,921	1915	162,966
1904	224,214	1916	197,751
1905	219,534	1917	195,993
1906	210,516	1918	107,812
1907	222,095	1919	128,759
1908	227,323	1920	163,299

CANNED FOOD PRODUCTION IN CANADA, 1937.

Annual Pack of Lobsters, 1897 to 1937 - (Concluded)

Year	Cases of 48 Pounds No.	Year	Cases of 48 Pounds No.
1921	157,607	1929	127,516
1922	148,644	1930	139,109
1923	151,039	1931	146,338
1924	102,118	1932	166,799
1925	127,497	1933	122,062
1926	123,519	1934	116,144
1927	113,937	1935	99,905
1928	111,986	1936	88,102
		1937	88,581

Sardine Canning. - Sardine is the name given to the young herring that is used for canning. New Brunswick produces the entire Canadian pack of canned sardine, and in that province it is the leading fishing industry. The number of sardine canneries has never exceeded three, but those in operation are of large size and, together, produce an annual pack, ranging from 111,835 cases, valued at \$512,174 in 1921, the low year for quantity in the period 1917 to 1937, to 423,043 cases, valued at \$1,458,817, in 1937, the high record year to date. The average pack for the period covering the years 1917 to 1937 was 229,421 cases. The sardine is seventh on the list of the 27 chief commercial fishes of Canada (those with a product valued at \$100,000 or more). The exports of canned sardines in 1937 had a value of \$693,890, the chief markets abroad being found in British South Africa, Australia and the British West Indies. The imports of canned sardines in the same year were valued at \$319,202, the greater part being supplied by Norway. A table showing the annual pack of sardines from 1917 to 1937 is appended.

Annual Pack of Sardines, 1917 to 1937.

Year	Cases Canned No.	Year	Cases Canned No.
1917	168,365	1927	240,091
1918	177,193	1928	257,881
1919	119,225	1929	329,204
1920	129,925	1930	244,238
1921	111,835	1931	202,520
1922	121,800	1932	113,197
1923	268,800	1933	180,597
1924	282,306	1934	288,091
1925	209,649	1935	338,436
1926	217,592	1936	393,854
		1937	423,043

CANNED FOOD PRODUCTION IN CANADA, 1937.

Other Kinds of Canned Fish. - Chief among the other kinds of fish canned are, in order of value of product in 1937, herring (81,650 cases, value \$307,841), clams and quahaugs (37,224 cases, value \$176,266), and pilchards (40,975 cases, value \$110,351), the last mentioned being taken on the Pacific Coast only. There are packed, also, smaller quantities of cod, haddock, hake and cusk, halibut, mackerel, tuna, abalone, crabs, oysters, scallops and shrimps with a total value in 1937 of \$146,236. The clam canneries form a separate classification, while the other kinds of canned fish mentioned in this paragraph may be found among the products of various branches of the fish canning and curing industry. A statement showing the quantity of clams and quahaugs packed annually from 1917 to 1937 is herewith presented.

Annual Pack of Clams and Quahaugs, 1917 to 1937.

Year	Cases Canned	Year	Cases Canned
	No.		No.
1917	19,445	1927	38,826
1918	16,592	1928	43,090
1919	14,599	1929	54,289
1920	17,195	1930	44,708
1921	22,384	1931	23,177
1922	23,085	1932	21,955
1923	18,329	1933	20,609
1924	32,447	1934	19,091
1925	37,622	1935	29,983
1926	30,370	1936	31,402
		1937	37,224

FRUIT AND VEGETABLE CANNING

The canning of fruits and vegetables is carried on most extensively in the provinces of Ontario, British Columbia and Quebec, where climatic conditions are favourable for the growing of fruits and vegetables. The principal fruits canned in Ontario are: apples, pears, plums, peaches, cherries, currants, gooseberries, blueberries, raspberries and strawberries. In addition, British Columbia has the apricot and the loganberry. The vegetables canned include: tomatoes, peas, corn, beans, beets, carrots, pumpkin, squash, spinach and asparagus. The canning season begins in June and continues throughout the summer and autumn until October, being at its height in July, August and September. The pack in 1937 consisted of 2,120,413 cases of fruits and 9,611,050 cases of vegetables, valued at \$5,251,981 and \$17,117,580 respectively. Of the canned vegetables packed, tomatoes ranked first with 3,539,693 cases. Peas with 1,853,544 cases came next, followed in order by cream of corn, 1,742,418 cases, baked beans, 1,437,954 cases, etc. Of the fruits canned, pears came first with 551,043 cases, followed by peaches with 472,898 cases, apples including crabapples, 419,493 cases, cherries, 131,491 cases, apricots, 88,856 cases, plums, 86,807 cases, etc. Other important canned products are soups of all kinds, 2,426,739 cases and tomato juice, 1,933,870 cases.

CANNED FOOD PRODUCTION IN CANADA, 1937.

Imports of Canned Fruits and Vegetables, by Kinds,
Calendar Years 1936 and 1937.

	1936		1937	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
CANNED VEGETABLES -				
Asparagus	350,782	49,376	151,867	21,621
Beans, baked	325,961	19,558	221,552	14,380
Corn	65,278	3,364	52,744	2,727
Peas	78,146	6,353	26,747	2,580
Tomatoes	1,558,142	112,827	1,211,226	86,610
Mushrooms and truffles ..	263,149	50,912	307,106	49,380
All other vegetables	1,011,679	66,013	999,146	82,409
TOTAL CANNED VEGETABLES	3,653,137	308,403	2,970,388	259,707
CANNED FRUITS -				
Peaches and apricots	4,719,221	313,863	4,705,789	296,270
Pears	400,519	27,328	425,813	28,103
Pineapple	26,205,704	907,082	20,145,127	690,561
All other fruits	1,257,979	89,304	1,283,544	99,225
TOTAL CANNED FRUITS ...	32,583,423	1,337,577	26,560,273	1,114,159

Exports of Canned Fruits and Vegetables, by Kinds,
Calendar Years 1936 and 1937.

	1936		1937	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
CANNED VEGETABLES -				
Beans	8,960,483	342,830	8,857,236	379,925
Tomatoes	15,919,266	632,876	35,880,447	1,540,087
Vegetables, canned or preserved, n.o.p.	4,390,785	316,366	5,380,342	410,521
TOTAL CANNED VEGETABLES	29,270,534	1,292,072	50,118,025	2,330,533

CANNED FOOD PRODUCTION IN CANADA, 1937.

Exports of Canned Fruits and Vegetables, Calendar Years
1936 and 1937 - (Concluded)

	1 9 3 6		1 9 3 7	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
CANNED FRUITS -				
Pears	6,670,627	440,371	9,924,910	694,139
Apples	6,884,787	321,479	9,894,212	503,806
Peaches ^x	-	-	2,264,801	176,860
Fruits, canned or preserved, n.o.p.	4,916,304	384,006	4,752,054	434,696
TOTAL CANNED FRUITS ..	18,471,718	1,145,856	26,835,977	1,809,501

x From April 1, 1937. - Not reported separately in 1936.

MEAT CANNING

The canning of meats, an adjunct of the great meat packing industry, is not as extensively carried on in Canada as are other sections of the canned foods group of industries, being more in the nature of a side line of the main industry. The total value of canned meats manufactured in Canada during the year 1937 was \$1,318,900. Imports of canned meats, poultry and game during the same period amounted to \$647,898, whilst exports of Canadian products totalled \$440,111. Closely allied to the canned meat industry is that of canned soup, the manufacture of which, in 1937, totalled \$3,021,687, whilst imports were valued at \$13,641 and exports at \$1,554,792.

CONCENTRATED MILK PRODUCTS

The concentrated milk products industry in Canada dates from 1885 when the first factory was established at Truro, Nova Scotia, by the Reindeer Condensed Milk Company. As the demand for prepared milk grew, other plants were established and other kinds of products added to the output. There are now in Canada twenty-four plants, the list of principal products including condensed milk, evaporated milk, skim milk powder, buttermilk powder and casein.

The value of concentrated milk products in Canadian factories as first reported in the decennial census of 1891 was \$83,000. In 1901 the value had increased to \$269,520, in 1906 to \$855,409 and in 1910 to \$1,814,871. The value of production for the years 1917-1937 is given in the following table.

CANNED FOOD PRODUCTION IN CANADA, 1937.

Production of Concentrated Milk Products, 1917 to 1937.

Year	Value of Products	Year	Value of Products
	\$		\$
1917	7,308,042	1927	10,186,312
1918	11,218,055	1928	10,176,208
1919	13,930,513	1929	10,498,544
1920	17,160,111	1930	10,040,176
1921	11,526,422	1931	7,067,807
1922	6,839,232	1932	5,952,947
1923	10,040,318	1933	5,536,888
1924	9,710,017	1934	5,991,759
1925	9,844,613	1935	6,849,989
1926	9,601,138	1936	7,434,896
		1937	10,078,192

Imports and Exports of Concentrated Milk Products,
Calendar Years 1920 to 1937.

Year	Imports	Exports
	\$	\$
1920	192,273	8,589,330
1921	27,649	5,643,244
1922	113,008	3,135,866
1923	133,845	5,105,293
1924	94,035	5,323,658
1925	53,298	5,110,272
1926	75,984	4,538,939
1927	90,921	4,256,344
1928	72,497	3,497,601
1929	101,206	3,650,117
1930	64,014	2,966,536
1931	77,362	2,099,519
1932	30,339	2,099,119
1933	22,994	2,097,153
1934	25,123	2,209,750
1935	22,318	2,247,075
1936	35,876	1,886,468
1937	115,683	3,174,594

CONSUMPTION OF CANNED FOODS IN CANADA, 1937.

The value of canned foods available for consumption in Canada for the calendar years 1936 and 1937 is shown by classes in the following summary table. Consumption figures are usually computed by adding together the values of manufactures and imports and deducting therefrom the value of exports.

CANNED FOOD PRODUCTION IN CANADA, 1937.

Consumption of Canned Foods in Canada, 1936 and 1937.

Classes of Canned Foods		Value of Manufactures	Value of Imports	Value of Exports	Value available for Consumption	
					Total	Per Capita
		\$	\$	\$	\$	\$
Canned fish	1936	15,564,501	1,202,253	9,275,885	7,490,869	.68
	1937	13,619,606	1,002,585	10,608,818	4,013,373	.36
Canned fruits	1936	5,318,731	1,337,577	1,145,856	5,510,452	.50
	1937	5,251,981	1,114,159	1,809,501	4,556,639	.41
Canned vegetables	1936	13,963,401	308,403	1,870,128	12,401,676	1.12
	1937	17,117,580	259,707	2,330,533	15,046,754	1.35
Canned meats	1936	1,101,014	618,335	242,128	1,477,221	.12
	1937	1,318,900	647,898	440,111	1,526,687	.14
Canned soups	1936	6,256,444	6,905	1,552,643	4,710,706	.43
	1937	6,021,687	12,641	1,554,792	4,479,536	.40
Other canned foods	1936	5,064,541	-	-	5,064,541	.46
	1937	8,786,959	-	-	8,786,959	.79
Concentrated milk products	1936	7,434,896	35,876	1,886,468	5,584,304	.51
	1937	10,078,192	115,683	3,174,594	7,019,281	.63
TOTAL	1936	54,703,528	3,509,349	15,973,108	42,239,769	3.83
	1937	62,194,905	3,152,673	19,918,349	45,429,229	4.09

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