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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

GENERAL MANUFACTURES BRANCH

CANNED FOOD PRODUCTION

IN

CANADA

1939



**OTTAWA
1941**

Price 15 cents

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

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CANNED FOOD PRODUCTION IN CANADA, 1939.

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 \$69,500,000 in 1939. 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 during the year 1939 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, 1939.

Table 1. - Principal Statistics of the Industries Producing Canned Goods, 1938 and 1939.

	Estab- lish- ments	Capital Invested	Total Em- ployees	Total Salaries and Wages	Gross Value of Production
	No.	\$	No.	\$	\$
<u>1938</u>					
Fish, canned.....	353	15,301,502	11,218	2,539,455	16,297,611
Fruit and vegetable preparations..	341	48,862,472	9,491	6,853,116	47,821,350
Condensed and evaporated milk.....	24	5,928,977	835	912,610	13,190,013
Meats, canned.....	21	395,000 1/	86 1/	120,000 1/	1,168,206
TOTAL, 1938.....	739	70,487,951	21,630	10,425,181	78,477,180
<u>1939</u>					
Fish, canned.....	313	15,197,469	11,439	2,667,887	18,820,225
Fruit and vegetable preparations...	338	45,875,538	9,838	7,196,036	55,164,957
Condensed and evaporated milk.....	23	6,060,821	854	921,188	13,251,024
Meats, canned.....	24	679,000 1/	126 1/	176,000 1/	1,743,143
TOTAL, 1939.....	698	67,812,828	22,257	10,961,111	88,979,349

1/ Estimated.

CANNED FOOD PRODUCTION IN CANADA, 1939.

Imports and Exports

Imports of canned foods in the calendar year 1939 amounted to \$3,814,062, mostly of fruit and vegetables not grown in Canada by reason of climatic conditions.

Exports of canned foods, the produce of Canada during 1939 amounted in value to \$26,603,049, of which canned fish totalled \$11,548,982, canned meats and soups \$4,432,127, and concentrated milk products \$3,295,009.

The following table summarizes the imports and exports of canned foods by classes and value for the calendar years 1932 to 1939.

Table 2. - Imports and Exports of Canned Foods, Calendar Years 1932 to 1939.

	1932	1933	1934	1935	1936	1937	1938	1939
	\$	\$	\$	\$	\$	\$	\$	\$
<u>IMPORTS</u> -								
Canned fish.....	671,386	659,554	713,018	891,702	1,202,253	1,002,585	1,059,856	1,300,158
Canned fruits.....	587,903	764,380	753,052	1,011,578	1,337,577	1,114,159	879,153	1,108,515
Canned vegetables.....	298,041	194,596	223,507	218,615	308,403	259,707	269,496	316,232
Canned meats and soups....	372,613	411,990	489,943	539,936	625,240	660,539	663,276	1,015,556
Concentrated milk products	27,207	22,994	25,123	22,318	35,876	115,683	61,188	73,601
TOTAL IMPORTS.....	1,957,150	2,053,514	2,204,643	2,684,149	3,509,349	3,152,673	2,932,969	3,814,062
<u>EXPORTS</u> -								
Canned fish.....	7,361,077	8,141,552	9,129,954	10,475,278	9,275,885	10,608,818	10,021,065	11,548,982
Canned fruits.....	581,438	897,208	1,422,413	1,414,234	1,145,856	1,809,501	2,000,446	3,089,768
Canned vegetables.....	580,673	806,895	603,078	1,224,425	1,292,072	2,330,533	2,221,856	2,906,919
Canned meats and soups....	721,632	937,580	1,432,027	1,184,570	1,794,771	1,994,903	2,382,148	4,432,127
Other canned foods.....	-	-	-	-	-	-	930,091	1,330,244
Concentrated milk products	2,097,899	2,097,153	2,209,750	2,247,075	1,886,468	3,174,594	3,456,398	3,295,009
TOTAL EXPORTS.....	11,342,719	12,880,388	15,181,685	16,975,636	15,973,108	19,918,349	21,012,004	26,603,049

CANNED FOOD PRODUCTION IN CANADA, 1939.

Table 3. - Production of Canned Foods in Canada, 1929 to 1939.

	Unit of Measure	1929		1930	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish.....	Pound	89,840,228	16,996,478	125,565,710	18,413,477
Canned fruits.....	Case	1,101,188	3,827,027	927,838	3,520,213
Canned vegetables.....	Case	5,626,098	15,223,673	8,750,035	19,459,911
Canned meats.....	Pound	10,197,431	1,432,524	6,443,349	914,379
Canned soups.....	Case	556,739	1,893,266	777,269	2,517,813
Other canned foods.....	Case	108,874	471,956	95,486	506,067
Concentrated milk products.	Cwt.	1,060,574	10,288,131	1,077,723	9,793,521
TOTAL.....	-	-	50,133,055	-	55,125,381
			\$		\$
	Unit of Measure	1931		1932	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish.....	Pound	47,879,576	9,021,461	66,181,477	9,789,254
Canned fruits.....	Case	734,833	2,444,818	1,336,153	3,444,647
Canned vegetables.....	Case	5,991,949	10,943,131	4,229,268	8,296,652
Canned meats.....	Pound	5,153,019	894,799	3,108,220	685,765
Canned soups.....	Case	1,085,107	3,497,766	1,094,570	3,408,050
Other canned foods.....	Case	394,753	1,102,982	705,372	1,565,601
Concentrated milk products.	Cwt.	839,943	7,011,710	815,491	5,922,993
TOTAL.....	-	-	34,916,667	-	33,112,962
			\$		\$
	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish.....	Pound	74,469,837	10,147,138	95,832,259	14,205,665
Canned fruits.....	Case	1,201,275	2,894,951	1,270,628	3,509,156
Canned vegetables.....	Case	4,531,542	8,257,293	6,062,374	10,876,830
Canned meats.....	Pound	3,142,249	661,248	3,660,878	791,423
Canned soups.....	Case	1,438,523	4,077,071	2,022,300	4,947,774
Other canned foods.....	Case	-	1,358,605	-	2,445,852
Concentrated milk products.	Cwt.	843,994	5,451,656	908,430	5,991,759
TOTAL.....	-	-	32,847,965	-	42,768,462

CANNED FOOD PRODUCTION IN CANADA, 1939.

Table 3 - Production* of Canned Foods in Canada, 1928 to 1939 - (Concluded).

	Unit of Measure	1 9 3 5		1 9 3 6	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish.....	Pound	93,342,708	13,638,127	114,117,086	15,564,501
Canned fruits.....	Case	1,825,613	4,757,301	2,052,077	5,318,731
Canned vegetables.....	Case	6,602,822	12,101,138	7,410,145	13,963,401
Canned meats.....	Pound	4,007,740	862,572	5,036,186	1,101,014
Canned soups.....	Case	1,603,685	3,978,806	2,583,324	6,256,444
Other canned foods.....	-	-	3,112,009	-	5,064,541
Concentrated milk products..	Cwt.	1,036,030	6,849,989	1,098,143	7,434,896
TOTAL.....	-	-	45,299,942	-	54,703,528

	Unit of Measure	1 9 3 7		1 9 3 8	
		Quantity	Value	Quantity	Value
			\$		\$
Canned fish.....	Pound	96,719,995	13,619,606	107,584,455	16,297,611
Canned fruits.....	Case	2,120,413	5,251,981	2,018,554	4,556,282
Canned vegetables.....	Case	9,611,050	17,117,580	8,710,103	14,519,963
Canned meats.....	Pound	6,093,546	1,318,900	5,095,900	1,168,206
Canned soups.....	Case	2,426,739	6,021,687	3,125,432	7,742,625
Other canned foods.....	-	-	8,786,959	-	8,737,601
Concentrated milk products..	Cwt.	1,373,999	10,078,192	1,579,239	11,844,817
TOTAL.....	-	-	62,194,905	-	64,867,105

	Unit of Measure	1 9 3 9	
		Quantity	Value
			\$
Canned fish.....	Pound	108,893,332	15,478,961
Canned fruits.....	Case	3,547,542	7,769,005
Canned vegetables.....	Case	7,615,449	14,526,671
Canned meats.....	Pound	7,887,228	1,743,227
Canned soups.....	Case	3,510,319	9,259,222
Other canned foods.....	-	-	9,113,941
Concentrated milk products..	Cwt.	1,660,425	11,575,971
TOTAL.....	-	-	69,466,998

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 l/.....	Cases	2,541,491	15,478,961	-	-
Haddock.....	"	38,268	165,294	-	-
Herring.....	"	286,456	1,021,768	-	-
Sardines.....	"	539,486	1,923,187	-	-
Pilchards.....	"	7,300	21,347	-	-
Salmon.....	"	1,539,794	10,456,008	-	-
Tuna.....	"	3,266	38,848	-	-
Clams.....	"	25,961	94,477	-	-
Clam chowder.....	"	53	202	-	-
Crabs.....	"	2,067	33,071	-	-
Lobsters.....	"	85,693	1,640,763	-	-
Lobster tomalley....	"	5,048	42,123	-	-
Oysters.....	"	3,647	22,749	-	-
All other canned fish.....	"	4,452	19,124	-	-
Fruits, canned 7/....	Cases	3,547,542	-	1,994,329	-
	Pounds	116,500,115	7,769,005	60,577,664	4,663,536
Apples, including crabapples.....	Cases	1,246,191	-	165,164	-
	Pounds	47,033,407	2,089,713	6,285,128	306,036
Apple sauce.....	Cases	25,948	-	23,986	-
	Pounds	637,906	41,014	591,742	36,010
Apricots.....	Cases	81,420	-	(2)	-
	Pounds	2,520,714	192,896	(2)	(2)
Blueberries.....	Cases	25,295	-	(2)	-
	Pounds	720,421	41,000	(2)	(2)
Cherries.....	Cases	135,562	-	129,624	-
	Pounds	3,835,135	329,570	3,644,755	309,738
Loganberries.....	Cases	68,350	-	-	-
	Pounds	2,161,891	182,381	-	-
Peaches.....	Cases	810,696	-	752,792	-
	Pounds	23,391,042	1,947,652	21,655,809	1,798,687
Pears, Bartlett.....	Cases	258,179	-	151,398	-
	Pounds	8,611,362	832,133	4,691,056	433,356
Pears, Keiffer.....	Cases	599,826	-	553,040	-
	Pounds	19,474,886	1,422,345	17,804,649	1,248,816
Plums, gages, etc...	Cases	114,764	-	51,238	-
	Pounds	3,179,444	185,441	1,393,157	78,537
Raspberries.....	Cases	72,673	-	56,927	-
	Pounds	2,070,534	197,036	1,609,740	148,287

IN CANADA, 1939.

Foods, by Provinces, 1939.

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
6,318	109,285	1,793,706	11,373,410	741,467	3,996,266
-	-	-	-	38,268	165,294
-	-	233,046	790,108	53,410	231,660
-	-	-	-	539,486	1,923,187
-	-	7,300	21,347	-	-
504	3,102	1,539,057	10,449,945	233	2,961
-	-	3,016	36,948	250	1,900
-	-	5,431	18,286	20,530	76,191
-	-	-	-	53	202
-	-	2,049	32,747	18	324
5,214	102,047	-	-	80,479	1,538,716
98	956	-	-	4,950	41,167
-	-	3,647	22,749	-	-
502	3,180	160	1,280	3,790	14,664
30,536	-	546,131	-	976,546	-
748,981	63,602	18,479,751	1,427,245	36,693,719	1,614,622
-	-	140,984	-	940,043	-
-	-	5,267,996	255,196	35,480,283	1,528,481
-	-	-	-	(2)	-
-	-	-	-	(2)	(2)
-	-	57,158	-	-	-
-	-	1,841,358	132,443	-	-
7,213	-	-	-	17,482	-
177,806	9,878	-	-	525,815	29,562
-	-	5,938	-	-	-
-	-	190,380	19,832	-	-
-	-	63,350	-	-	-
-	-	2,161,891	182,381	-	-
(2)	-	45,877	-	(2)	-
(2)	(2)	1,446,721	113,889	(2)	(2)
(2)	-	96,494	-	9,076	-
(2)	(2)	3,534,306	368,838	346,854	28,001
(2)	-	35,856	-	(2)	-
(2)	(2)	1,318,649	145,509	(2)	(2)
-	-	62,494	-	1,032	-
-	-	1,752,284	104,755	34,003	2,149
(3)	-	13,055	-	(3)	-
(3)	(3)	395,419	41,676	(3)	(3)

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 7/ -(Concl'd.)			\$		\$
Rhubarb.....	Cases	2,710	-	(2)	-
	Pounds	103,980	1,843	(2)	(2)
Strawberries.....	Cases	38,842	-	20,135	-
	Pounds	1,042,863	106,735	538,519	54,118
Other small fruits.....	Cases	2,673	-	600	-
	Pounds	91,842	7,226	16,800	1,560
All other fruits 3/.....	Cases	64,413	-	89,425	-
	Pounds	1,624,688	192,020	2,346,309	248,391
Vegetables, canned 7/.....	Cases	7,615,449	-	4,719,730	-
	Pounds	251,376,075	14,526,671	156,396,092	9,076,536
Asparagus.....	Cases	138,239	-	111,949	-
	Pounds	3,054,138	461,600	2,503,729	387,913
Beans, green or wax.....	Cases	461,577	-	62,765	-
	Pounds	12,912,256	763,519	1,666,112	109,434
Beans, baked, etc.....	Cases	2,346,316	-	1,541,301	-
	Pounds	78,511,756	4,926,501	50,060,872	3,222,672
Beets.....	Cases	69,390	-	55,496	-
	Pounds	1,876,751	114,501	1,492,945	88,724
Carrots.....	Cases	27,331	-	23,816	-
	Pounds	675,659	38,566	613,670	34,097
Carrots and peas combined...	Cases	65,353	-	(4)	-
	Pounds	1,691,987	138,623	(4)	(4)
Carrots, peas and beans combined.....	Cases	40,029	-	-	-
	Pounds	1,211,070	57,163	-	-
Corn on the cob.....	Cases	21,349	-	(4)	-
	Pounds	635,964	59,172	(4)	(4)
Corn, cream, whole grain....	Cases	1,082,811	-	732,603	-
etc.....	Pounds	29,084,774	1,750,748	19,081,108	1,194,896
Peas.....	Cases	1,244,570	-	664,017	-
	Pounds	34,024,522	2,274,106	18,058,234	1,204,750
Pumpkin.....	Cases	93,150	-	30,344	-
	Pounds	3,744,146	137,365	3,288,516	118,162
Spinach.....	Cases	44,467	-	38,397	-
	Pounds	1,230,721	85,354	1,053,496	71,378
Tomatoes.....	Cases	1,958,025	-	1,376,138	-
	Pounds	82,372,815	3,635,637	57,818,440	2,556,559
Mushrooms.....	Cases	19,569	-	4,541	-
	Pounds	292,682	77,084	59,627	18,893
All other vegetables.....	Cases	3,273	-	26,363	-
	Pounds	56,834	6,732	699,343	69,058

IN CANADA, 1939.

by Provinces, 1939 - (Continued)

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
-	-	503	-	-	-
-	-	19,045	801	-	-
(3)	-	15,456	-	552	-
(3)	(3)	422,877	45,209	15,570	1,711
5,090	-	2,673	-	300	-
123,622	11,720	91,842	7,226	7,650	1,050
18,233	-	1,293	-	8,061	-
447,553	42,004	36,983	4,490	283,544	23,668
1,961,760	-	643,723	-	290,236	-
65,773,577	3,486,360	21,171,281	1,445,640	8,035,125	518,135
(4)	-	24,674	-	(4)	-
(4)	(4)	519,701	68,622	(4)	(4)
258,228	-	79,304	-	61,280	-
7,548,115	393,957	2,091,964	159,502	1,606,065	100,626
613,467	-	152,142	-	39,406	-
21,487,555	1,237,004	5,696,238	381,647	1,267,091	85,178
(4)	-	6,112	-	7,258	-
(4)	(4)	171,151	11,746	196,935	13,245
(4)	-	(4)	-	567	-
(4)	(4)	(4)	(4)	27,090	1,415
-	-	51,689	-	(4)	-
-	-	1,339,585	110,699	(4)	(4)
(4)	-	(4)	-	-	-
(4)	(4)	(4)	(4)	-	-
(4)	-	-	-	(4)	-
(4)	(4)	-	-	(4)	(4)
280,473	-	(4)	-	(4)	-
8,163,439	437,601	(4)	(4)	(4)	(4)
348,692	-	122,139	-	109,722	-
9,899,662	607,131	3,149,515	266,889	2,917,111	195,336
(4)	-	3,334	-	(4)	-
(4)	(4)	103,610	4,895	(4)	(4)
-	-	3,423	-	(4)	-
-	-	109,727	7,358	(4)	(4)
408,699	-	172,421	-	767	-
17,229,284	699,222	7,302,518	378,822	22,573	1,034
(4)	-	-	-	-	-
(4)	(4)	-	-	-	-
52,201	-	28,485	-	71,236	-
1,445,522	111,445	687,272	55,460	1,998,260	121,301

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 -					
Meats.....	Pounds	7,887,228	1,743,227	902,979	223,465
Soups, all kinds.....	Cases	3,510,319	-	3,103,019	-
	Pounds	96,651,998	9,259,222	81,740,695	8,307,062
Poultry.....	Pounds	894,324	353,218	332,533	162,548
Spaghetti and macaroni..	Cases	424,138	-	261,943	-
	Pounds	12,961,441	1,001,305	8,935,849	726,609
Tomato juice.....	Cases	869,378	-	804,249	-
	Pounds	29,115,623	1,358,326	26,829,395	1,236,331
Tomato paste and puree, canned.....	Cases	212,302	-	194,835	-
	Pounds	9,200,812	400,859	8,503,888	372,614
Tomato paste and puree, other.....	Pounds	495,000	6,000	-	-
Tomato pulp, canned.....	Cases	405,074	-	399,612	-
	Pounds	14,625,691	801,919	14,403,530	796,580
Tomato pulp, other.....	Pounds	5,833,943	105,029	3,924,947	87,704
Tomato catsup, canned...	Cases	101,730	-	64,572	-
	Pounds	3,681,125	221,815	2,548,610	163,671
Tomato catsup, other....	Pounds	16,606,319	2,447,715	14,061,818	2,284,116
	Cases	85,839	-	9,350	-
Paste, meat, chicken and fish.....	Pounds	812,643	242,883	56,205	16,035
	Cases	311,273	-	211,182	-
Ready dinners, stews, etc.....	Pounds	7,232,768	879,238	4,452,673	538,738
	Cases	535,072	-	535,072	-
Foods, prepared for infants.....	Pounds	3,607,752	746,575	3,607,752	746,575
	Cases	64,213	-	64,213	-
Sauerkraut, canned.....	Pounds	2,563,703	113,639	2,563,703	113,639
	Pounds	205,650	6,729	186,650	5,779
Apple pie filling.....	Pounds	1,856,910	125,940	1,841,380	124,763
Pie filling, other.....	Pounds	525,905	47,372	455,845	41,808
Fruit juices, apple, canned.....	Cases	118,328	-	96,744	-
	Pounds	3,601,227	173,634	2,914,047	144,450
Fruit juices, other.....	Pounds	456,470	29,184	456,470	29,184
All other canned goods..	Pounds	269,930	52,561	246,254	51,679

IN CANADA, 1939.

by Provinces, 1939 - (Continued).

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
1,380,963	417,819	859,530	197,662	4,743,756	904,281
324,271	-	(5)	-	6,513	-
12,267,535	698,622	(5)	(5)	244,265	14,707
41,171	25,574	-	-	470,620	165,096
153,610	-	7,985	-	600	-
3,724,478	255,009	290,114	18,637	11,000	1,050
28,790	-	36,329	-	(5)	-
1,014,850	53,054	1,271,078	68,925	(5)	(5)
(5)	-	7,467	-	-	-
(5)	(5)	296,924	10,245	-	-
(5)	(5)	-	-	-	-
-	-	5,462	-	-	-
-	-	222,161	5,339	-	-
1,357,241	11,705	551,755	5,620	-	-
(5)	-	35,908	-	-	-
(5)	(5)	1,033,765	55,019	-	-
2,431,367	155,952	113,634	7,647	-	-
(5)	-	(5)	-	2,989	-
(5)	(5)	(5)	(5)	29,865	9,434
77,873	-	22,218	-	-	-
2,373,601	276,389	406,494	64,111	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	(5)	(5)	-	-
-	-	(5)	(5)	(5)	(5)
-	-	(5)	(5)	(5)	(5)
-	-	(5)	-	-	-
-	-	(5)	(5)	(5)	(5)
-	-	-	-	-	-
1,286,140	126,882	2,841,776	361,023	757,656	33,238

CANNED FOOD PRODUCTION

Table 4. - Production of Canned Foods,

	Unit of Measure	CANADA		Ontario	
		Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
			\$		\$
Concentrated Milk Products					
Condensed milk -					
Case goods.....	Pounds	3,776,746	326,081	(6)	(6)
Bulk goods.....	"	3,794,336	323,187	3,776,192	321,687
Evaporated milk -					
Case goods.....	"	116,598,623	7,299,228	85,254,865	5,339,185
Bulk goods.....	"	286,496	11,016	286,496	11,016
Whole milk powder.....	"	6,583,523	1,368,679	6,581,179	1,368,023
Cream powder.....	"	6,596	3,241	6,596	3,241
Condensed skim milk.....	"	3,240,891	160,522	2,945,283	149,786
Evaporated skim milk.....	"	964,824	21,135	910,819	19,585
Skim milk powder.....	"	25,338,928	1,761,745	19,369,648	1,376,698
Condensed buttermilk.....	"	676,746	19,604	220,000	5,500
Buttermilk powder.....	"	2,830,332	134,939	2,223,424	107,516
Sugar of milk.....	"	273,371	10,935	273,371	10,935
Casein.....	"	1,671,054	135,659	850,782	63,028

- (1) Canned fish are packed in cases of 48 pounds, with the exception of sardines and clams.
- (2) Included under "Other small fruits".
- (3) Includes: pineapple, grapefruit and fruits for salad.

IN CANADA, 1939.

by Provinces, 1939 - (Concluded).

Quebec		British Columbia		Other Provinces	
Quantity	Selling Value at Factory	Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
	\$		\$		\$
-	-	-	-	(6)	(6)
18,144	1,500	-	-	-	-
(6)	(6)	(6)	(6)	(6)	(6)
-	-	-	-	-	-
-	-	2,344	656	-	-
-	-	-	-	-	-
295,608	10,736	-	-	-	-
54,005	1,550	-	-	-	-
2,526,237	132,604	2,718,959	209,360	724,084	43,083
374,679	11,150	82,067	2,954	-	-
110,295	5,074	-	-	496,613	22,349
-	-	-	-	-	-
260,813	23,644	559,459	48,987	-	-

(4) Included under "All other vegetables".

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

(6) Information cannot be published.

(7) Fruits and vegetables canned by domestic or home canners are not included.

CANNED FOOD PRODUCTION IN CANADA, 1939.

FISH CANNING

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

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 1939 totalled 1,539,794 cases, valued at \$10,456,008. The salmon canneries of British Columbia are of large capacity, with an average capital investment in 1939 of \$329,585. The average value of production of the plants in the same year was \$388,774, and the average number of employees, 152. 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 prices reached by the sockeye.

Annual Pack of Salmon in Canada, 1876 - 1939.

Year	Cases No.	Year	Cases No.	Year	Cases No.
1876.....	9,847	1910.....	762,201	1931.....	686,697
1885.....	108,517	1915.....	1,133,381	1934.....	1,584,593
1890.....	409,464	1920.....	1,187,616	1937.....	1,509,520
1895.....	566,395	1925.....	1,719,282	1938.....	1,708,835
1900.....	606,530	1930.....	2,223,469	1939	1,539,794
1905.....	1,167,822				

(a) There are a number of small salmon canneries on the Atlantic Coast of Canada, but their combined production of canned salmon in 1939 amounted to only 737 cases.

CANNED FOOD PRODUCTION IN CANADA, 1939.

Pack of Salmon in the Province of British Columbia, by Species, 1930 - 1939.

Species	1930	1931	1933	1936	1938	1939
	cases	cases	cases	cases	cases	cases
Sockeye.....	477,678	291,297	258,107	415,024	447,453	269,888
Springs, red.....	16,059	6,270	5,983	16,493	10,276	10,502
Springs, pink....	9,398	15,597	8,429	2,527	2,322	2,848
Springs, white...	11,069	5,387	5,854	10,834	2,933	2,947
Blueback.....(-	-	-	33,718	27,417	48,209
Steelhead.....(43,610	26,629	23,222)	1,068	1,035	797
Cohoe.....	150,168	76,746	137,289	212,343	273,706	196,887
Pink.....	1,111,937	207,828	532,558	591,532	400,876	620,595
Chum.....	401,900	56,155	293,630	597,487	541,812	386,584
TOTAL.....	2,221,819	685,909	1,265,072	1,881,026	1,707,830	1,539,057

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 1939 the pack of lobster amounted to 85,693 cases, valued at \$1,640,763. 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 1939.

Year	Cases of 48 Pounds	Year	Cases of 48 Pounds
1897.....	231,886	1930.....	139,109
1900.....	219,756	1935.....	99,905
1905.....	219,534	1936.....	88,102
1910.....	183,094	1937.....	88,581
1915.....	162,966	1938.....	92,004
1920.....	163,299	1939.....	85,693
1925.....	127,497		

CANNED FOOD PRODUCTION IN CANADA, 1939.

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 sardines, 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 1939, to 539,486 cases, valued at \$1,923,187 in 1939, the high record year to date. The average pack for the period covering the years 1917 to 1939 was 248,140 cases. The sardine is fifth on the list of the 28 chief commercial fishes of Canada (those with a product valued at \$100,000 or more). The exports of canned sardines in 1939 had a value of \$724,647, 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 \$357,466, the greater part being supplied by Norway. A table showing the annual pack of sardines from 1917 to 1939 is appended.

Annual Pack of Sardines, 1917 to 1939.

Year	Cases Canned	Year	Cases Canned	Year	Cases Canned
	No.		No.		No.
1917.....	168,365	1925.....	209,649	1933.....	180,597
1918.....	177,193	1926.....	217,592	1934.....	288,091
1919.....	119,225	1927.....	240,091	1935.....	338,436
1920.....	129,925	1928.....	257,881	1936.....	393,854
1921.....	111,835	1929.....	329,204	1937.....	423,043
1922.....	121,800	1930.....	244,238	1938.....	349,887
1923.....	268,800	1931.....	202,520	1939.....	539,486
1924.....	282,306	1932.....	113,197		

Other Kinds of Canned Fish. -- Chief among the other kinds of fish canned are, in order of value of product in 1939, herring (286,456 cases, value \$1,021,768), haddock (38,268 cases, value \$165,294), and clams and quahaugs (26,637 cases, value \$98,801). There were packed, also, smaller quantities of tuna, pilchards, cod, hake and cusk, halibut, mackerel, trout, crabs, oysters, scallops and abalone with a total value in 1939 of \$130,815. 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 processing industry. A statement showing the quantity of clams and quahaugs packed annually from 1917 to 1939 is herewith presented.

Annual Pack of Clams and Quahaugs, 1917 to 1939.

Year	Cases Canned	Year	Cases Canned	Year	Cases Canned
	No.		No.		No.
1917.....	19,445	1925.....	37,622	1933.....	20,609
1918.....	16,592	1926.....	30,370	1934.....	19,091
1919.....	14,599	1927.....	38,826	1935.....	29,983
1920.....	17,195	1928.....	43,090	1936.....	31,402
1921.....	22,384	1929.....	54,289	1937.....	37,224
1922.....	23,085	1930.....	44,708	1938.....	44,777
1923.....	18,329	1931.....	23,177	1939.....	26,637
1924.....	32,447	1932.....	21,935		

CANNED FOOD PRODUCTION IN CANADA, 1939.

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 1939 consisted of 3,547,542 cases of fruits and 7,615,449 cases of vegetables, valued at \$7,769,005 and \$14,526,671 respectively. Of the canned vegetables packed, baked beans ranked first with 2,346,316 cases. Tomatoes with 1,958,025 cases came next, followed by peas with 1,244,570 cases, cream of corn 1,082,811 cases, etc. Of the fruits canned, apples, including crabapples, came first with 1,246,191 cases, followed by pears with 858,005 cases, peaches 810,696 cases, cherries 135,562 cases, plums 114,764 cases, etc. Other important canned products are: soups of all kinds 3,510,319 cases, tomato juice 869,378 cases, prepared foods for infants 535,072 cases, etc. For detailed statistics of production, by provinces, see table 4.

Imports of Canned Fruits and Vegetables, by Kinds,
Calendar Years 1938 and 1939.

	1938		1939	
	Quantity Pounds	Value \$	Quantity Pounds	Value \$
CANNED VEGETABLES --				
Asparagus.....	189,217	26,976	224,162	30,645
Beans, baked.....	652,417	36,717	873,899	53,309
Corn.....	32,130	1,670	41,480	2,048
Peas.....	46,951	4,217	23,081	2,026
Tomatoes.....	1,039,932	72,506	1,649,582	116,003
Mushrooms and truffles.....	308,597	48,545	316,924	36,268
All other vegetables.....	941,608	78,865	834,440	75,933
TOTAL CANNED VEGETABLES.....	3,210,852	269,496	3,963,568	316,232
CANNED FRUITS --				
Peaches and apricots.....	2,002,085	124,335	3,106,202	180,484
Pears.....	220,449	14,542	235,379	15,242
Pineapples.....	20,153,535	632,035	22,218,534	778,810
All other fruits.....	1,407,817	108,241	1,782,304	133,979
TOTAL CANNED FRUITS.....	23,783,886	879,153	27,342,419	1,108,515

CANNED FOOD PRODUCTION IN CANADA, 1939.

Exports of Canned Fruits and Vegetables, by Kinds,
Calendar Years 1938 and 1939.

	1938		1939	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
CANNED VEGETABLES -				
Beans.....	11,060,516	439,512	15,988,851	679,986
Tomatoes.....	31,221,961	1,295,039	42,493,229	1,652,753
Vegetables, canned or preserved, n.o.p.....	6,748,047	487,305	7,991,611	574,180
TOTAL CANNED VEGETABLES...	49,030,524	2,221,856	66,473,691	2,906,919
CANNED FRUITS -				
Pears.....	13,354,659	827,485	20,293,911	1,332,879
Apples.....	13,806,790	657,079	20,672,354	933,849
Peaches.....	2,611,452	188,250	5,079,410	366,714
Fruits, canned or preserved, n.o.p.....	3,467,223	327,632	5,939,692	456,326
TOTAL CANNED FRUITS.....	33,240,124	2,000,446	51,985,367	3,089,768

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 1939 was \$1,743,227. Imports of canned meats, poultry and game during the same period amounted to \$1,001,547 whilst exports of Canadian products totalled \$832,280. Closely allied to the canned meat industry is that of canned soup, the manufacture of which, in 1939, totalled \$9,259,222, whilst imports were valued at \$14,009 and exports at \$3,599,847.

CONCENTRATED MILK PRODUCTS

The concentrated milk products industry in Canada dates from 1883 when the first factory was established in 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-three 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 1917-1939 is given in the following table.

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CANNED FOOD PRODUCTION IN CANADA, 1939.

Production of Concentrated Milk Products, 1917 to 1939.

Year	Value of Products \$	Year	Value of Products \$
1917.....	7,308,042	1929.....	10,498,848
1918.....	11,218,055	1930.....	10,040,176
1919.....	13,930,513	1931.....	7,067,807
1920.....	17,160,111	1932.....	5,952,947
1921.....	11,526,422	1933.....	5,536,888
1922.....	6,839,232	1934.....	5,991,759
1923.....	10,040,318	1935.....	6,849,989
1924.....	9,710,017	1936.....	7,434,896
1925.....	9,844,613	1937.....	10,078,192
1926.....	9,601,138	1938.....	11,844,817
1927.....	10,186,312	1939.....	11,575,971
1928.....	10,176,208		

Imports and Exports of Concentrated Milk Products,
Calendar Years 1920 to 1939.

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
1938.....	61,188	3,456,398
1939.....	73,601	3,295,009

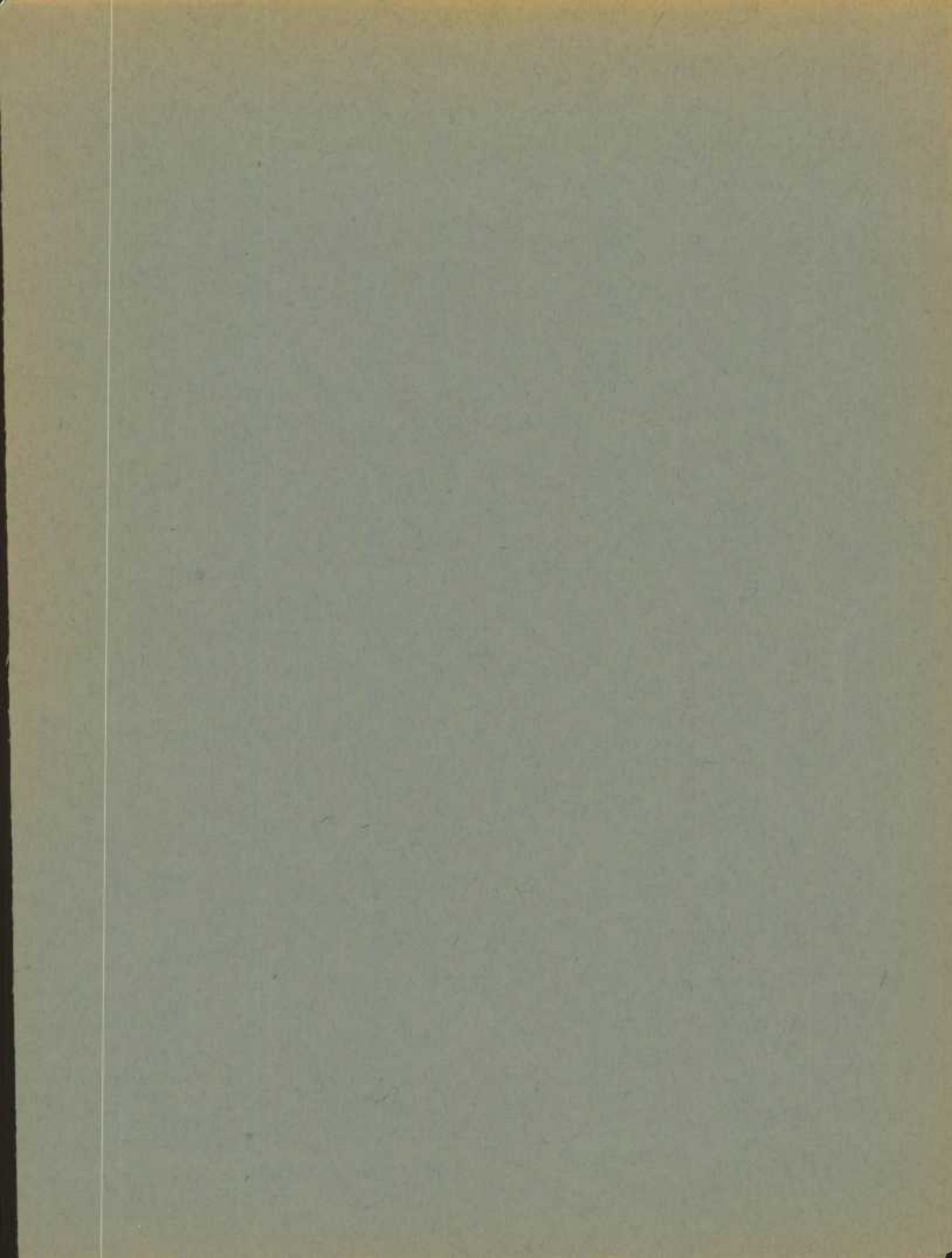
CONSUMPTION OF CANNED FOODS IN CANADA, 1939.

The value of canned foods available for consumption in Canada for the calendar years 1938 and 1939 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, 1939.

Consumption of Canned Foods in Canada, 1938 and 1939.

Classes of Canned Foods		Value of Manufactures	Value of Imports	Value of Exports	Value available for Consumption	
					Total	Per Capita
		\$	\$	\$	\$	\$
Canned fish.....	1938	16,297,611	1,059,856	10,021,065	7,336,402	.65
	1939	15,478,961	1,300,158	11,548,982	5,230,137	.46
Canned fruits.....	1938	4,556,282	879,153	2,000,446	3,434,989	.31
	1939	7,769,005	1,108,515	3,089,768	5,787,752	.51
Canned vegetables.....	1938	14,519,963	269,496	2,221,856	12,567,603	1.12
	1939	14,526,671	316,232	2,906,919	11,935,984	1.06
Canned meats.....	1938	1,168,206	642,238	366,881	1,443,563	.13
	1939	1,743,227	1,001,547	832,280	1,912,494	.17
Canned soups.....	1938	7,742,625	21,038	2,015,267	5,748,396	.51
	1939	9,259,222	14,009	3,599,847	5,673,384	.50
Other canned foods.....	1938	8,737,601	-	930,091	7,807,510	.70
	1939	9,113,941	-	1,330,244	7,783,697	.69
Concentrated milk products.....	1938	11,844,817	61,188	3,456,398	8,449,607	.75
	1939	11,575,971	73,601	3,295,009	8,354,563	.74
TOTAL.....	1938	64,867,105	2,932,969	21,012,004	46,788,070	4.17
	1939	69,466,998	3,814,062	26,603,049	46,678,011	4.12



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