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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH

REPORT
ON THE
BREAD & OTHER BAKERY PRODUCTS INDUSTRY
IN
CANADA
1938



OTTAWA
1940

Price 25 cents

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES BRANCH
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THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

A report on the **bread** and other bakery products industry is presented herewith. The total number of firms reporting was 3,231, and were located by provinces as follows: Prince Edward Island, 12; Nova Scotia 83; New Brunswick, 87; Quebec, 981; Ontario, 1,317; Manitoba, 139; Saskatchewan, 136; Alberta, 176; and British Columbia and the Yukon, 300.

Hotels, restaurants and public institutions which bake their own bread are not required to report their operations, and statistics relating to these are, therefore, not included.

In Canada for many years breadmaking was for the most part a domestic art, but with the development of towns and cities the baking of bread gradually passed from the domestic circle to the family baker. This continued for a long period, until at the beginning of the present century, a new phase was marked. With the advent of mechanical power and automatic processes, also the improvement in transportation, the bread industry has made rapid progress within the last decade. In 1938 it ranked fourth in the number of employees, and fifth in the amount of salaries and wages paid. The 3,231 establishments classified in this category reported in 1938 a capital investment of \$48,026,819, they furnished employment to 22,358 persons who were paid \$21,410,506 in salaries and wages, and produced goods which had a selling value of \$78,535,333. They also spent \$38,446,525 for materials, most of which are of domestic origin, thus contributing materially to the prosperity of the agricultural interests, as well as several manufacturing industries of Canada.

A marked improvement in the operations of the industry is shown for 1938. In comparison with the previous year, there was an increase of \$2,072,442 in the gross value of production, 1,106 in the number of persons employed and \$1,650,766 in the amount of salaries and wages paid. The physical volume of production was 5.6 per cent higher, and the value of production was 2.7 per cent higher than in the previous year.

The principal products of the industry, as indicated by their values, were in order of their importance, as follows: Bread, \$55,260,623, pies, cakes, cookies and pastries, \$18,132,728, and buns, \$3,563,300. It might be of interest to note that more than half of the \$38,446,525 paid out for materials, \$21,121,603 was spent for 3,946,917 barrels of flour. A variety of materials are used, listed among them being yeast, shortening, sugar, malt, milk, **nuts**, cocoanut, frozen eggs, oils, such as corn, cottonseed, and soya bean.

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 1. - Principal Statistics of the Baking Industry in Canada, 1920 to 1938. x

Year and Provinces	Estab-lish-ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Selling Value of Products
	No.	\$	No.	\$	\$	\$
1920.....	1,769	23,612,654	9,940	11,522,456	38,239,135	61,800,633
1921.....	1,658	23,551,215	9,773	11,290,553	29,202,936	51,367,917
1922.....	1,685	25,551,612	10,455	11,860,619	24,708,136	47,845,811
1923.....	1,980	28,231,856	10,906	12,249,008	24,287,282	48,859,478
1924.....	2,073	32,261,401	11,917	13,498,091	28,112,082	54,403,078
1925.....	2,176	33,810,501	12,438	13,885,401	31,795,203	60,392,439
1926.....	2,214	37,416,979	13,389	14,732,139	32,928,065	62,920,009
1927.....	2,443	40,559,259	14,414	16,068,147	35,779,690	68,726,262
1928.....	2,482	44,377,449	15,422	16,901,238	36,151,747	71,227,097
1929.....	2,568	48,969,603	17,023	18,481,612	38,507,559	77,214,466
1930.....	2,697	51,914,170	17,736	19,444,533	36,582,843	73,594,894
1931.....	2,912	54,267,110	18,337	18,862,604	28,619,776	64,813,227
1932.....	2,861	48,961,175	16,856	15,909,805	23,431,275	53,450,352
1933.....	3,079	45,091,801	17,477	14,900,212	23,427,623	51,244,162
1934.....	3,173	44,196,221	18,562	15,794,117	26,681,559	57,295,522
1935.....	3,045	43,788,924	19,167	16,369,912	28,343,545	59,400,668
1936.....	3,101	46,108,482	19,598	17,703,572	32,124,708	65,558,437
<u>1 9 3 7</u>						
CANADA.....	3,179	49,164,576	21,252	19,759,740	39,498,456	76,462,891
Prince Edward Island	11	104,566	47	27,855	87,794	141,367
Nova Scotia.....	81	861,106	447	332,379	935,181	1,654,753
New Brunswick.....	84	852,507	425	328,184	884,089	1,558,100
Quebec.....	1,020	13,315,237	5,847	5,019,016	11,346,198	21,052,046
Ontario.....	1,262	22,807,508	10,168	10,006,150	18,151,648	36,367,699
Manitoba.....	142	3,090,586	1,060	1,010,632	1,940,468	3,823,334
Saskatchewan.....	136	2,015,491	589	486,888	1,172,550	2,122,097
Alberta.....	157	2,270,585	793	772,491	1,764,092	3,300,306
British Columbia and Yukon.....	286	3,846,990	1,876	1,776,146	3,216,436	6,443,189
<u>1 9 3 8</u>						
CANADA.....	3,231	48,026,819	22,359	21,410,506	38,446,525	78,535,333
Prince Edward Island	12	111,218	49	27,262	76,486	132,365
Nova Scotia.....	83	906,783	497	381,567	1,035,627	1,876,937
New Brunswick.....	87	909,135	481	360,930	915,238	1,653,584
Quebec.....	981	13,003,642	6,012	5,394,340	10,448,130	21,115,591
Ontario.....	1,317	22,785,257	10,886	10,903,709	17,796,766	37,390,971
Manitoba.....	139	2,623,676	1,113	1,058,869	1,915,183	3,799,977
Saskatchewan.....	136	1,905,596	597	497,104	1,165,135	2,169,500
Alberta.....	176	2,283,169	833	821,234	1,810,257	3,513,599
British Columbia and Yukon.....	300	3,488,343	1,891	1,965,491	3,283,703	6,882,809

x Note: Profits or losses cannot be estimated from Census figures, as no such data are collected for certain expense items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 2. - Comparison of Principal Statistics, 1937 and 1938.

Items	1 9 3 7	1 9 3 8	Increase + Decrease -
Establishments reporting..... No.	3,179	3,231	+ 52
Capital invested..... \$	49,164,576	48,026,819	- 1,137,757
Employees on salaries -			
Total..... No.	3,155	3,384	+ 229
Male..... No.	2,484	2,643	+ 159
Female..... No.	671	741	+ 70
Total salaries..... \$	3,208,837	3,599,019	+ 390,182
Employees on wages -			
Monthly average..... No.	18,097	18,975	+ 878
Male..... No.	15,711	16,351	+ 640
Female..... No.	2,386	2,624	+ 238
Total wages..... \$	16,550,903	17,811,487	+ 1,260,584
Power equipment -			
Units..... No.	6,044	6,457	+ 413
Horse-power capacity..... H.P.	17,366	17,956	+ 590
Cost of fuel and electricity..... \$	2,190,098	2,267,448	+ 77,350
Cost of materials used..... \$	39,498,456	38,446,525	- 1,051,931
Gross value of production..... \$	76,462,891	78,535,333	+ 2,072,442
Value added by manufacture..... \$	34,774,337	37,821,360	+ 3,047,023

THE BREAD AND OTHER BAKERY

Table 3. - Production by Items

Items of Production	Unit of Measure	C A N A D A		Prince Edward Island	
		Quantity	Selling Value	Quantity	Selling Value
			\$		\$
Bread.....	Pound	1,005,948,075	55,260,623	1,777,799	100,200
Buns.....	-	-	3,563,360	-	1,305
Pies, cakes,pastry,etc.	-	-	18,132,728	-	23,257
Puddings.....	-	-	101,699	-	-
Biscuits, plain and fancy.....	Ton	260	79,630	-	-
Confectionery, chocolate.....	Pound	61,994	21,774	-	(x)
Confectionery, sugar..	"	85,334	19,801	-	-
Ice cream.....	Gallon	52,103	81,116	-	-
All other products....	-	-	1,274,602	-	7,603
TOTAL VALUE OF PRODUCTION.....	-	-	78,535,333	-	132,365
Items of Production	Unit of Measure	Ontario		Manitoba	
		Quantity	Selling Value	Quantity	Selling Value
			\$		\$
Bread.....	Pound	471,372,190	25,311,042	44,449,071	2,837,323
Buns.....	-	-	2,453,277	-	173,072
Pies, cakes, pastry, etc.....	-	-	9,227,355	-	765,671
Puddings.....	-	-	43,584	-	620
Biscuits,plain and fancy.....	Ton	-	-	-	(x) ¹
Confectionery, chocolate.....	Pound	41,624	11,836	3,518	1,617
Confectionery, sugar..	"	62,379	14,355	950	300
Ice cream.....	Gallon	40,440	62,955	630	930
All other products....	-	-	266,567	-	20,444
TOTAL VALUE OF PRODUCTION.....	-	-	37,390,971	-	3,799,977

(x) As there are less than three establishments, statistics are included with "All other products".

NOTE: The figures in the above table do not represent the Total Canadian production of these commodities, since they are also produced in other industries, either as a subsidiary or principal product. For total production figures, see "alphabetical list of products" published annually in the report "The Manufacturing Industries of Canada".

PRODUCTS INDUSTRY IN CANADA, 1938.

for Canada and the Provinces, 1938.

Nova Scotia		New Brunswick		Quebec	
Quantity	Selling Value	Quantity	Selling Value	Quantity	Selling Value
	\$		\$		\$
22,587,534	1,299,225	21,205,318	1,223,999	301,532,726	15,256,736
-	58,427	-	29,487	-	360,411
-	483,051	-	398,256	-	4,468,296
-	789	-	(x)	-	48,678
-	-	-	-	-	(x)
2,650	615	-	-	5,787	3,945
-	(x)	-	-	5,350	965
-	-	-	-	3,850	5,475
-	34,830	-	1,842	-	971,085
-	1,876,937	-	1,653,584	-	21,115,591
Saskatchewan		Alberta		British Columbia	
Quantity	Selling Value	Quantity	Selling Value	Quantity	Selling Value
	\$		\$		\$
30,467,314	1,707,829	44,242,891	2,684,841	68,313,252	4,839,428
-	76,903	-	125,093	-	285,385
-	376,144	-	698,399	-	1,692,299
-	460	-	548	-	5,718
-	-	-	-	-	-
-	(x)	-	(x)	10,215	4,136
845	435	2,560	658	10,300	2,443
1,200	1,645	-	(x)	5,274	8,908
-	6,084	-	4,060	-	44,492
-	2,169,500	-	3,513,599	-	6,882,809

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 4. - Principal Statistics of the Baking Industry, 1938, Grouped According to the Size of Establishment.

Groups of Values of Production	Estab-lish-ments	Capital	Wage-earners		Wages	Total Em-ployees	Total Salaries and Wages	Cost of Materials	Value of Production	Cost of fuel and electri-city
			Male	Female						
	No.	\$	No.	No.	\$	No.	\$	\$	\$	\$
Under \$5,000	1,028	3,638,713	506	195	327,556	1,481	742,660	1,617,532	3,138,355	195,597
\$5,000 to under \$25,000.....	1,729	12,645,002	4,268	1,021	3,713,443	6,290	4,585,051	9,610,224	18,761,873	743,734
\$25,000 to under \$50,000.....	249	4,462,921	1,854	313	1,872,984	2,426	2,187,693	4,461,487	8,518,508	247,597
\$50,000 to under \$100,000.....	112	4,244,309	1,609	287	1,922,882	2,168	2,109,976	3,832,603	7,583,790	187,394
\$100,000 to under \$500,000.....	90	9,853,473	3,614	477	4,281,212	4,586	5,040,133	9,042,512	18,364,959	411,042
\$500,000 to under \$1,000,000.....	16	7,808,012	2,221	172	2,752,673	2,736	3,168,977	5,217,975	10,931,372	265,796
\$1,000,000 and over.....	7	5,374,389	2,279	159	3,140,737	2,672	3,576,016	4,664,192	11,236,476	216,288
TOTAL.....	3,231	48,026,819	16,351	2,624	18,011,487	22,359	21,410,506	38,446,525	78,535,333	2,267,448

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 5. - Production for Canada, by Items, 1936 and 1937.

Items of Production	Unit of Measure	1 9 3 6		1 9 3 7	
		Quantity	Selling Value	Quantity	Selling Value
			\$		\$
Bread.....	Pound	904,476,952	47,449,345	957,862,716	55,009,658
Buns.....	-	-	2,944,247	-	3,449,245
Pies, cakes, pastry, etc....	-	-	14,526,456	-	17,340,407
Puddings.....	-	-	45,261	-	45,464
Biscuits, plain and fancy...	Ton	218	62,204	331	102,930
Confectionery, chocolate...	Pound	161,463	48,537	47,742	16,937
Confectionery, sugar.....	"	200,863	42,834	104,827	26,517
Ice cream.....	Gallon	27,160	52,200	43,082	72,379
All other products.....	-	-	387,353	-	399,354
TOTAL VALUE OF PRODUCTION...	-	-	65,558,437	-	76,462,891

NOTE: See footnote to Table 3, page 4.

(x) As there are less than three establishments, statistics are included with "All other products".

Table 6. - Consumption of Bread in Canada, 1924 to 1938.

The following table gives the per capita consumption of "bakers" bread for the years 1924 to 1938, based on the population figures given in the bulletin "Population of Canada, 1867 - 1938". It will be noted that there has been an outstanding increase in the consumption of bread, the per capita consumption increasing from 86.6 in 1937 to 90.1 in 1938.

Year	Quantity of Bread (x)	Value of Bread	Per capita consumption
	Pound	\$	Pound
1924	713,727,690	43,769,590	78.0
1925	759,592,148	49,267,586	81.7
1926	783,232,210	50,767,422	82.8
1927	785,763,344	54,386,305	81.5
1928	878,949,378	55,305,324	89.4
1929	935,794,310	59,635,321	93.3
1930	941,540,650	55,379,029	92.2
1931	942,784,007	46,930,340	90.9
1932	889,943,664	40,371,451	84.7
1933	877,973,648	39,125,347	82.2
1934	911,566,536	42,866,445	84.1
1935	903,564,827	44,491,493	82.6
1936	909,287,675	47,658,574	82.4
1937	963,273,659	55,253,482	86.6
1938	1,010,072,852	55,502,449	90.1

(x) Includes bread made in the Biscuit Industry.

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 7. - Details of Products made by the Bakery Industry for each City having a Value of Production of \$2,000,000 and over, 1937 and 1938.

Cities	Estab- lish- ments	Bread		Buns	Pies, Cakes, Pastries	All Other	Total
		Quantity	Value				
	No.	Lb.	\$	\$	\$	\$	\$
<u>1937</u>							
Quebec -							
Montreal.....	155	125,126,377	6,950,822	407,237	2,916,978	99,814	10,374,851
Ontario -							
Toronto.....	262	133,845,867	8,860,157	929,055	4,597,127	100,590	14,486,929
Hamilton.....	67	28,184,974	1,703,517	172,893	952,071	12,668	2,841,149
Ottawa.....	36	23,548,981	1,603,910	149,023	671,956	52,476	2,477,365
Manitoba -							
Winnipeg.....	65	42,147,981	2,289,636	216,616	615,788	20,349	3,142,389
British Columbia-							
Vancouver.....	135	37,599,400	2,638,008	132,694	1,363,943	46,720	4,181,365
<u>1938</u>							
Quebec -							
Montreal.....	143	107,437,836	5,732,843	231,906	2,220,731	918,589	9,104,069
Ontario -							
Toronto.....	285	151,452,854	8,613,116	1,139,391	4,883,980	94,650	14,731,137
Hamilton.....	66	38,972,320	1,716,477	230,997	1,036,301	19,949	3,003,724
Ottawa.....	33	29,939,955	1,613,715	76,290	690,101	124,514	2,504,620
Manitoba -							
Winnipeg.....	64	32,339,163	2,194,913	153,343	684,173	21,075	3,053,504
British Columbia-							
Vancouver.....	133	42,297,956	2,954,873	161,904	1,219,853	13,456	4,350,086

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 8. - Materials Used by Quantity and Cost Value, 1937 and 1938.

Materials	Unit of Measure	1 9 3 7		1 9 3 8	
		Quantity	Cost Value at Plant	Quantity	Cost Value at Plant
Baking powder.....	Pound	644,521	80,925	631,008	83,346
Butter.....	"	1,749,409	445,006	1,465,436	374,760
Chocolate.....	"	176,070	37,293	256,846	48,790
Cocoa.....	"	250,290	38,920	255,698	38,712
Cocoanut, shredded....	"	787,151	100,109	919,176	109,593
Corn starch.....	"	328,975	22,011	377,974	23,935
Cream.....	Gallon	127,341	198,902	118,576	188,535
Cream of tartar.....	Pound	44,214	10,450	56,842	19,152
Eggs, fresh.....	Dozen	2,936,168	665,573	2,970,316	688,825
Eggs, frozen.....	Pound	4,029,659	772,203	4,267,432	859,715
Egg powder.....	"	9,081	8,704	7,605	7,095
Extracts.....	-	-	94,739	-	100,614
Flour.....	Barrel	3,752,077	23,150,893	3,946,917	21,121,603
Fruits, dried.....	Pound	7,014,496	702,163	7,448,112	751,129
Fruits, fresh.....	"	1,894,175	150,796	2,240,197	158,434
Fruits, preserved.....	"	3,663,082	448,270	3,268,149	388,386
Gelatine.....	"	18,336	7,173	19,299	7,035
Glucose.....	"	818,473	43,572	339,886	19,121
Lard.....	"	3,862,362	428,100	4,113,535	411,298
Malt.....	"	2,073,784	217,385	2,115,704	224,098
Malt flour.....	"	584,462	52,923	590,514	50,511
Malt extract or syrup.	"	1,517,824	154,698	1,362,951	136,786
Milk, condensed.....	"	1,888,738	118,215	2,372,853	156,641
Milk, fresh and skimmed	Gallon	1,723,292	272,367	1,383,670	245,089
Milk powdered.....	Pound	6,565,046	653,682	7,486,664	744,593
Molasses.....	Gallon	129,004	55,660	115,249	60,277
Nuts, (walnuts, almonds, etc.) -					
Shelled.....	Pound	786,716	221,282	1,120,910	276,717
Unshelled.....	"	115,400	28,435	43,215	10,761
Potatoes.....	Bag	4,734	4,879	5,807	6,525
Oils -					
Cocoanut.....	Pound	50,152	5,583	41,989	4,820
Corn.....	"	52,739	5,905	82,584	8,314
Other, cooking....	"	176,397	18,228	191,097	20,462
Cottonseed.....	"	197,154	19,651	233,942	24,738
Soya bean.....	"	168,030	16,210	129,873	11,086
Olive oil.....	"	7,227	727	5,025	595
Salt.....	Barrel	56,399	150,569	56,507	140,230
Shortening.....	Pound	22,003,521	2,341,707	24,680,045	2,352,566
Sodium bicarbonate....	"	287,902	16,913	234,739	11,476

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 8. - Materials Used by Quantity and Cost Value, 1937 and 1938. - (Concluded)

Materials	Unit of Measure	1 9 3 7		1 9 3 8	
		Quantity	Cost Value at Plant	Quantity	Cost Value at Plant
			\$		\$
Sugar	Pound	39,143,973	2,102,047	42,864,892	2,294,802
Syrups.....	Gallon	36,638	18,959	25,828	21,043
Yeast.....	Pound	8,962,462	1,895,162	9,532,099	1,932,326
Yeast powders and other yeast preparations.....	"	1,251,426	118,255	1,182,309	106,765
Boxes, containers, wrappers, etc.....	-	-	2,507,285	-	2,937,718
All other materials.....	-	-	1,093,528	-	1,267,508
TOTAL COST OF MATERIALS USED.....	-	-	39,398,456	-	38,446,525

Table 9. - Capital Investment by Provinces, 1937 and 1938, and Summary Figures from 1920 to 1936.

Year	Estab-lish-ments	Fixed Capital	Working Capital		Total Capital
		Present value of land, buildings, fixtures, machinery, tools, etc.	Materials on hand, stocks in process, finished products, Fuel and Miscellaneous supplies, etc.	Cash, trading and operating accounts, etc.	
	No.	\$	\$	\$	\$
1920 ..	1,658	18,377,517	2,203,187	2,970,511	23,551,215
1921 ..	1,769	17,060,255	3,289,605	3,262,794	23,612,654
1922 ..	1,865	20,334,240	2,157,019	3,060,353	25,551,612
1923 ..	1,980	22,766,244	2,211,735	3,253,877	28,231,856
1924 ..	2,073	25,197,739	3,243,019	3,820,643	32,261,401
1925 ..	2,176	26,800,082	2,950,734	4,059,685	33,810,501
1926 ..	2,214	29,928,435	3,231,950	4,256,594	37,416,979
1927 ..	2,443	32,509,770	3,505,958	4,543,531	40,559,259
1928 ..	2,482	35,709,872	3,588,563	5,079,014	44,377,449
1929 ..	2,568	38,408,377	3,978,621	6,582,605	48,969,603
1930 ..	2,697	42,655,615	3,397,628	5,860,927	51,914,170
1931 ..	2,912	45,620,295	3,214,400	5,432,415	54,267,110
1932 ..	2,861	41,526,166	2,591,167	4,843,842	48,961,175
1933 ..	3,079	36,993,739	2,945,491	5,142,571	45,091,801
1934 ..	3,173	36,698,271	2,526,559	4,971,391	44,196,221
1935 ..	3,045	37,243,716	2,151,140	4,394,068	43,788,924
1936 ..	3,101	38,976,426	2,545,115	4,586,941	46,108,482

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 9. - Capital Investment by Provinces, 1937 and 1938, and Summary Figures from 1920 to 1936. - (Concluded).

Year	Estab- lish- ments	Fixed Capital	Working Capital		Total Capital
		Present Value of lands, buildings fixtures, machinery, tools, etc.	Materials on hand, Stocks in process finished pro- ducts, Fuel and Miscellaneous supplies, etc.	Cash, trading and operating accounts, etc.	
	No.	\$	\$	\$	\$
<u>1937</u>					
CANADA....	3,179	41,311,965	2,876,356	4,976,255	49,164,576
Prince Edward Island.....	11	87,847	7,910	8,809	104,566
Nova Scotia...	81	683,838	70,113	107,155	861,106
New Brunswick.	84	724,387	66,190	61,930	852,507
Quebec.....	1,020	11,193,345	904,599	1,217,293	13,315,237
Ontario.....	1,262	19,463,333	1,177,132	2,167,043	22,807,508
Manitoba.....	142	2,336,354	127,805	626,427	3,090,586
Saskatchewan..	136	1,734,042	114,777	166,672	2,015,491
Alberta.....	157	1,830,165	165,666	274,754	2,270,585
British Columbia....	286	3,258,654	242,164	346,172	3,846,990
<u>1938</u>					
CANADA....	3,231	40,850,901	2,490,946	4,684,972	48,026,819
Prince Edward Island.....	12	97,299	5,618	8,301	111,218
Nova Scotia...	83	729,140	70,975	106,668	906,783
New Brunswick.	87	769,250	58,272	81,613	909,135
Quebec.....	981	11,015,069	796,208	1,192,365	13,003,642
Ontario.....	1,317	19,525,510	1,017,506	2,242,241	22,785,257
Manitoba.....	139	2,275,352	108,938	244,336	2,628,676
Saskatchewan..	136	1,624,981	96,476	189,139	1,910,596
Alberta.....	176	1,843,022	134,989	305,158	2,283,169
British Columbia....	300	2,971,278	201,964	315,101	3,488,343

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 10. - Employees, Salaries and Wages, by Provinces, 1937 and 1938.

Provinces	Employees on Salaries			Employees on Wages		
	Male	Female	Salaries	Male	Female	Wages
	No.	No.	\$	No.	No.	\$
<u>1 9 3 7</u>						
CANADA.....	2,484	671	3,208,837	15,711	2,386	16,550,903
Prince Edward Island...	7	2	6,830	27	11	21,025
Nova Scotia.....	48	25	80,035	290	84	252,343
New Brunswick.....	42	20	57,633	283	80	270,551
Quebec.....	747	163	898,102	4,520	417	4,120,914
Ontario.....	978	305	1,449,382	7,631	1,254	8,556,763
Manitoba.....	108	40	144,381	829	83	865,651
Saskatchewan.....	95	16	96,348	431	47	390,540
Alberta.....	134	30	175,053	528	101	597,438
British Columbia.....	325	70	300,473	1,172	309	1,475,673
<u>1 9 3 8</u>						
CANADA.....	2,643	741	3,599,019	16,351	2,624	17,811,487
Prince Edward Island...	7	2	4,970	30	10	22,292
Nova Scotia.....	59	18	84,559	333	88	297,008
New Brunswick.....	71	18	84,638	301	91	276,292
Quebec.....	763	164	926,102	4,615	470	4,468,233
Ontario.....	1,153	365	1,722,844	8,020	1,348	9,180,865
Manitoba.....	111	46	155,683	858	98	903,186
Saskatchewan.....	97	17	98,999	431	52	398,105
Alberta.....	147	39	186,453	536	111	634,781
British Columbia.....	236	72	334,771	1,227	356	1,630,720

Table 11. - Monthly Employment of Wage-earners, 1937 and 1938.

Months	1 9 3 7			1 9 3 8		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January.....	15,073	2,222	17,295	15,597	2,440	18,037
February.....	15,202	2,232	17,434	15,600	2,427	18,027
March.....	15,268	2,255	17,523	15,679	2,435	18,114
April.....	15,335	2,275	17,610	16,068	2,508	18,576
May.....	15,581	2,326	17,907	16,244	2,564	18,808
June.....	15,813	2,379	18,192	16,493	2,605	19,098
July.....	16,044	2,433	18,477	16,742	2,670	19,412
August.....	16,022	2,465	18,487	16,797	2,677	19,474
September.....	15,964	2,440	18,404	16,695	2,661	19,356
October.....	15,849	2,415	18,264	16,573	2,624	19,197
November.....	15,819	2,421	18,240	16,527	2,624	19,151
December.....	15,770	2,439	18,209	13,473	2,604	19,077
MONTHLY AVERAGE.....	15,711	2,386	18,097	16,351	2,624	18,975

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 12a - Number of Male Wage-earners in Month of Normal Employment with their Regular Hours of Work per Week and Average Weekly Earnings, 1938.

Hours Worked per Week	CANADA	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male
30 hours or less....	386	-	5	-	117	198	19	3	1	43
31-43 hours.....	400	1	13	7	71	157	19	10	5	117
44 hours.....	598	-	3	2	79	206	64	80	102	62
45-47 hours.....	216	-	1	1	52	105	8	10	2	37
48 hours.....	2,631	10	30	88	331	1,109	150	129	103	681
49-50 hours.....	1,619	4	28	29	215	1,016	191	17	20	99
51-54 hours.....	4,872	10	139	53	865	2,827	308	163	302	205
55 hours.....	1,316	5	46	23	520	651	25	18	8	20
56-64 hours.....	4,243	3	68	91	2,261	1,758	45	11	2	4
65 hours and over...	458	-	12	22	293	92	38	-	1	-
Average hours per week.....	52.7	51.4	53.2	54.1	65.3	52.4	50.6	49.1	49.8	47.7
Average weekly earnings.....	19.35	11.5	14.71	15.65	17.82	20.20	19.79	16.59	21.03	22.04

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 12b - Number of Female Wage-earners in Month of Normal Employment with their Regular Hours of Work per Week and Average Weekly Earnings, 1938.

Hours Worked per Week	CANADA	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female
30 hours or less...	266	-	7	5	23	181	13	3	5	29
31-43 hours.....	221	1	7	14	31	108	7	6	7	40
44 hours.....	221	-	2	1	31	105	8	11	19	44
45-47 hours.....	217	-	1	3	77	84	9	4	2	37
48 hours.....	1,080	7	31	22	86	568	52	26	67	221
49-50 hours.....	206	2	2	5	53	137	-	1	4	2
51-54 hours.....	339	-	27	15	132	146	3	-	16	-
55 hours.....	63	-	2	9	28	24	-	-	-	-
56-64 hours.....	93	-	5	15	33	36	2	-	2	-
65 hours & over....	11	-	1	2	-	6	2	-	-	-
Average hours per week.....	45.7	47.2	47.5	48.9	48.2	44.9	44.4	44.3	46.6	44.3
Average weekly earnings.....	10.32	7.20	7.30	7.52	10.29	10.83	9.74	9.53	11.56	9.73

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 13. - Power Equipment, 1937 and 1938.

Classes of Power	1937		1938	
	Number of Units	Manufacturers' Rating of Horse - power Capacity	Number of Units	Manufacturers' Rating of Horse - power Capacity
Steam engines and turbines-				
In use.....	15	151	18	248
Idle.....	1	30	-	-
Oil, gas and gasoline engines -				
In use.....	400	1,328	376	1,309
Idle.....	8	28	10	46
Electric motors operated by purchased power -				
In use.....	5,464	15,025	5,974	15,868
Idle.....	144	493	74	258
TOTAL POWER USED IN MANUFACTURING.....	5,879	16,504	6,368	17,425

Table 14. - Consumption of Fuel and Electricity in Canada, by Classes, 1937 and 1938.

Kinds of Fuel	Unit of Measure	1937		1938	
		Quantity	Cost Value at Factory or Works	Quantity	Cost Value at Factory or Works
Bituminous coal, all grades.....	Ton (2000 lb.)	22,980	173,681	25,589	189,516
Anthracite coal, all grades.....	"	11,104	121,893	10,304	118,010
Lignite coal, all grades.....	"	4,059	23,497	2,881	13,833
Coke.....	"	32,810	342,669	35,263	328,682
Gasoline.....	Imp. Gal.	555,106	130,458	563,383	140,064
Fuel oils.....	" "	1,358,793	100,783	1,565,900	124,623
Wood.....	Cord	99,930	364,518	99,692	359,953
Gas, manufactured and natural.....	M cu. ft.	585,955	375,042	654,044	393,240
Electricity purchased, (including service charges).....	-	-	549,722	-	587,945
All other fuel, not specified.....	-	-	7,835	-	11,582
TOTAL COST OF FUEL AND ELECTRICITY.....	-	-	2,190,098	-	2,267,448

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 15. - Principal Statistics of Bakeries in Specified Cities Throughout the Dominion, 1937 and 1938.

Cities	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>1937</u>						
Charlottetown, P.E.I.....	8	69,601	37	22,881	66,289	110,841
Halifax, Nova Scotia.....	13	363,925	178	145,589	445,381	766,301
Sydney, Nova Scotia.....	5	110,630	43	36,741	106,067	193,968
Saint John, New Brunswick.	28	449,084	222	181,943	434,297	753,228
Moncton, New Brunswick....	11	89,115	50	35,041	97,897	185,632
Montreal, Quebec.....	155	5,917,831	2,815	2,693,022	5,326,978	10,374,851
Quebec, Quebec.....	44	747,841	402	322,462	725,046	1,271,281
Sherbrooke, Quebec.....	10	309,218	93	71,284	154,666	285,973
Three Rivers, Quebec.....	8	115,611	46	36,146	91,632	153,829
Hull, Quebec.....	7	224,183	79	80,478	168,629	333,738
Toronto, Ontario.....	262	8,964,632	3,814	4,232,931	6,774,732	14,486,929
Hamilton, Ontario.....	67	1,982,995	879	850,945	1,388,935	2,841,149
London, Ontario.....	37	687,239	327	321,430	560,815	1,119,136
Ottawa, Ontario.....	36	1,877,230	732	733,994	1,247,055	2,477,365
Windsor, Ontario.....	21	315,576	196	221,576	372,257	798,819
Brantford, Ontario.....	14	473,308	149	157,521	257,717	507,170
Kitchener, Ontario.....	15	401,094	134	121,425	211,817	407,326
Sault Ste. Marie, Ontario.	13	152,381	61	52,668	145,828	257,198
Peterborough, Ontario.....	10	229,044	103	110,260	152,527	334,193
Oshawa, Ontario.....	6	109,912	52	43,783	83,878	180,837
Winnipeg, Manitoba.....	65	2,621,404	818	854,279	1,552,987	3,142,389
Brandon, Manitoba.....	6	120,690	62	48,391	111,450	201,041
Regina, Saskatchewan.....	16	612,436	165	164,299	348,490	655,089
Saskatoon, Saskatchewan...	8	457,548	110	109,869	274,724	492,102
Moose Jaw, Saskatchewan...	10	298,586	82	75,194	156,354	283,628
Calgary, Alberta.....	23	855,957	290	318,656	638,695	1,253,261
Edmonton, Alberta.....	27	693,306	262	276,754	673,028	1,190,285
Lethbridge, Alberta.....	8	134,726	40	38,765	86,748	178,117
Vancouver, British Columbia	135	2,437,032	1,274	1,224,564	2,079,580	4,181,365
Victoria, British Columbia	28	456,063	216	205,226	392,470	799,214
New Westminster, British Columbia.....	11	104,824	67	73,696	121,068	270,081

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Table 15. - Principal Statistics of Bakeries in Specified Cities Throughout the Dominion, 1937 and 1938.- (Concluded).

Cities	Estab- lish- ments	Capital Invested	Em- ploy- ees	Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>1938</u>						
Charlottetown, P.E.I.....	9	89,246	39	22,550	60,838	104,243
Halifax, Nova Scotia.....	14	376,518	196	166,644	483,498	872,351
Sydney, Nova Scotia.....	5	101,834	47	41,473	133,003	229,367
Saint John, New Brunswick.	27	504,551	250	195,835	468,117	829,710
Moncton, New Brunswick....	12	89,650	69	46,110	105,724	196,007
Montreal, Quebec.....	143	5,118,777	2,558	2,448,782	4,349,082	9,104,069
Quebec, Quebec.....	46	833,599	433	352,005	699,890	1,347,147
Sherbrooke, Quebec.....	11	314,756	95	77,227	152,793	295,416
Three Rivers, Quebec.....	10	117,509	71	61,746	115,225	222,193
Hull, Quebec.....	6	232,478	81	88,340	159,976	309,565
Toronto, Ontario.....	285	8,670,369	4,218	4,691,642	6,659,671	14,731,137
Hamilton, Ontario.....	66	2,039,617	901	955,978	1,398,088	3,003,724
London, Ontario.....	42	742,924	339	320,818	568,554	1,192,572
Ottawa, Ontario.....	33	1,750,900	670	751,431	1,193,690	2,504,620
Windsor, Ontario.....	20	364,121	213	231,959	354,893	802,050
Brantford, Ontario.....	14	418,538	154	159,978	240,240	523,046
Kitchener, Ontario.....	14	363,111	132	126,478	183,921	397,073
Sault Ste. Marie, Ontario.	14	185,533	72	62,865	143,770	256,140
Peterborough, Ontario.....	11	267,860	123	132,997	173,807	370,798
Oshawa, Ontario.....	6	101,136	52	47,039	74,824	161,359
Winnipeg, Manitoba.....	64	2,125,949	847	884,143	1,513,134	3,053,504
Brandon, Manitoba.....	6	132,083	75	60,839	129,732	243,148
Regina, Saskatchewan.....	17	517,696	180	180,088	359,427	694,318
Saskatoon, Saskatchewan...	8	471,857	119	120,067	297,915	549,906
Moose Jaw, Saskatchewan...	11	274,353	80	72,983	151,210	280,537
Calgary, Alberta.....	26	914,686	303	333,907	700,445	1,353,609
Edmonton, Alberta.....	29	661,154	265	292,695	650,945	1,254,070
Lethbridge, Alberta.....	11	145,580	48	46,663	110,816	224,621
Vancouver, British Columbia	133	2,034,705	1,201	1,293,976	2,066,930	4,350,086
Victoria, British Columbia.	33	428,640	230	232,738	407,461	842,508
New Westminster, British Columbia.....	12	109,760	73	81,686	110,253	262,875

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Imports and Exports

The imports of manufactured commodities in the baking industry are not of sufficient importance to have a separate import classification, but are included in imports under the item "flavouring powders, custard powders, jelly powders, sweetened breads, pies, cakes and puddings". One item only is shown separately, that of "Passover bread" which in the calendar year 1938 was valued at \$129,656, \$127,101 of which came from the United States, and \$2,555 from Palestine.

Exports similarly are combined in the export classification under the head of "biscuits and bread" so that it is not possible to give separate information regarding the export of either commodity.

THE WEIGHT OF A LOAF OF BREAD.

The weight of a loaf of bread throughout the Dominion is not standardized. In Nova Scotia, Quebec, Ontario, Saskatchewan and Alberta, the weight is regulated under the statutes of each province respectively.

Nova Scotia -

"Bread intended for sale shall be made to the following weights respectively, and no other, viz., four pounds, two pounds, one pound and eight ounces, and shall be marked in Roman characters with weight thereof". (R.S. 1923, Chapter 107, Sec. 2.)

Quebec -

"All bread sold, or made for sale, within the limits of the province shall be made of good, wholesome flour, and be baked in loaves of twelve ounces, or any multiple thereof; the said bread must be one of the weights aforesaid eight hours after being baked, sold or exposed for sale". (Statutes of Quebec, 1930, Chapter 94.)

Ontario -

"No person shall make bread for sale or sell or offer for sale bread except in loaves weighing twenty-four ounces avoirdupois. Small bread may be made for sale, offered for sale, and sold in any weight not exceeding twelve ounces avoirdupois". (R.S.O., 1927, Chapter 268, Sec.1.)

Saskatchewan -

"The net weight of a loaf unwrapped shall be twenty ounces, or forty, or sixty ounces avoirdupois, except fruit loaves and sole bread which shall weigh not less than sixteen ounces avoirdupois". (Statutes of Saskatchewan, 1932, Chapter 34).

THE BREAD AND OTHER BAKERY PRODUCTS INDUSTRY IN CANADA, 1938.

Alberta -

"In the case of standard bread, in loaves, which shall weigh not less than twenty ounces . . . or in the case of larger loaves any even multiple of those weights. In the case of fancy bread the limit is fixed at eighteen ounces, fruit bread sixteen ounces, and small bread or cakes which shall weigh no more than eight ounces each". (Statutes of Alberta, 1934, Chapter 34.)

According to information collected by the Bureau of Statistics, the average weight of a loaf in the provinces may be stated as follows:

Prince Edward Island, Nova Scotia and New Brunswick - $1\frac{1}{2}$ pounds or 24 ounces.

Quebec - In certain municipalities at $1\frac{1}{2}$ pounds or 24 ounces, while in the remaining parts of the Province it is variously stated at 4, 5 and 6 pounds.

Ontario - 24 and 48 ounces, except in the case of "small bread".

Manitoba - Generally at 16 and 20 ounces, except in outlying portions of the Province where it is stated at 3 pounds.

Saskatchewan, Alberta and British Columbia report 16, 18 and 20 ounces as the average weight of the loaf.

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