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CANADA

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

REPORT
on the
BREAD & OTHER BAKERY PRODUCTS
in
CANADA
1922

Published by Authority of the Hon. Thos. A. Low, M. P.,

Minister of Trade and Commerce.

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OTTAWA

1924

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CENSUS OF INDUSTRY

OTTAWA, CANADA

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BREAD AND OTHER BAKERY PRODUCTS, 1922.

Ottawa, February, 1924.- The Dominion Bureau of Statistics presents the following report of the activities of the Baking industry in Canada for the calendar year 1922. The report is distinct from that of the Biscuit and Confectionery industry, although small quantities of both will be found in the production tables of the Baking industry. The number of establishments reporting to the Bureau in 1922 was 1,865, an increase of 207 over the preceding year. The location of plants distributed according to provinces was:- Alberta, 193; British Columbia, 134, Manitoba, 73; New Brunswick, 42; Nova Scotia, 37; Ontario, 762, Prince Edward Island 7; Quebec 628; Saskatchewan, 79. Notwithstanding the large increase in the number of operating plants and a further increase of 44,565,871 pounds in the quantity of bread produced, there was a decrease in the total value of production of \$3,522,106, due almost entirely to the drop in market price of flour. This feature will be more fully dealt with in subsequent paragraphs.

PRINCIPAL STATISTICS

A table showing the principal statistics of the industry for the Dominion and the provinces for the calendar year 1922 is presented herewith. Compared with the previous year there was an increase of 207 in the number of establishments, of \$2,000,379 in the amount of capital invested, of 682 in the number of persons employed and of \$570,066 in the amount paid for salaries and wages. On the other hand, the cost of materials and the value of products both show considerable decreases, the former being \$4,494,800 and the latter \$3,522,106. As the following summary of the prices of commodities indicates, out of a list of ten principal commodities used in the industry all but two show decreases in the cost laid down at the shop or factory. In the matter of flour alone, the drop of \$2.22 per barrel would account for a decrease in the cost of materials in 1922 of \$5,704,927, which is again reflected in the sale value of the products.

Summary of Commodity Prices of Materials Used in the
 Baking Industry, 1922.

Article	Unit	1921	1922	Increase X Decrease -
Flour	bb1.	8.78	6.56	- 2.22
Malt	lb.	.149	.140	- .009
Yeast	lb.	.311	.318	X .007
Salt	bb1.	3.42	2.66	- .76
Sugar	lb.	.097	.080	- .017
Lard	lb.	.157	.153	- .004
Butter	lb.	.34	.32	- .020
Eggs	doz.	.45	.33	- .12
Cocconut	lb.	.229	.209	- .020
Chocolate	lb.	.316	.319	X .003

BREAD AND OTHER BAKERY PRODUCTS, 1922.PRINCIPAL STATISTICS (continued).

The provinces rank in value of production in the following order:- Ontario 48.1 per cent; Quebec 26.9 per cent; British Columbia 7.37 per cent; Manitoba 6.5 per cent; Alberta 4.2 per cent; Saskatchewan 3.2 per cent; New Brunswick 1.83 per cent; Nova Scotia 1.80 per cent and Prince Edward Island 0.14 per cent.

Summary Table of Principal Statistics by Provinces, 1922.

Provinces	Estab- lish- ments	Capital	Em- ploy- ees	Salaries and wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
CANADA	1,865	25,551,612	10,455	11,860,619	24,708,136	47,845,311
Alberta	103	1,291,399	432	513,626	928,478	2,021,122
Br. Columbia †	134	1,283,555	694	899,600	1,710,642	3,525,609
Manitoba	73	1,442,541	645	994,547	1,454,353	3,091,869
New Brunswick	42	394,200	189	182,260	464,747	875,285
Nova Scotia .	37	413,763	199	174,893	477,173	861,386
Ontario	762	11,730,129	4,942	5,678,107	12,154,434	23,018,254
P. E. Island	7	24,354	16	12,871	37,655	67,279
Quebec	628	7,879,904	3,013	3,047,668	6,756,929	12,867,855
Saskatchewan	79	1,081,767	324	357,047	723,725	1,517,151

† Includes - British Columbia 133
Yukon 1

PRODUCTION

The quantity and selling value at the point of production of the various articles manufactured during the calendar year 1922 are shown in Table 1 for Canada and the provinces. Increases appear in nearly all the quantities and in all the values with but two or three exceptions.

BREAD AND OTHER BAKERY PRODUCTS, 1922.
PRODUCTION (Continued)

Table 1.- Production by Provinces, 1922.

Products	CANADA		Alberta		British Columbia		Manitoba		New Brunswick	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Breadlb.	658,428	893 38,782,746	38,340	559 1,679,946	41,423	147 2,792,663	47,999	252 2,623,598	10,539	152 683,231
Buns	-	1,564,742	-	73,656	-	96,544	-	74,966	-	8,752
Pies, cakes, etc. -	-	6,546,753	-	223,576	-	564,106	-	373,503	-	149,988
Puddings	-	36,536	-	19,625	-	1,876	-	671	-	-
Biscuits, plain & fancyton	119	47,025	17	7,995	9	2,923	1	317	1	438
Confectionery, all kindslb.	905,417	301,859	10,250	3,925	69,100	25,235	4,815	911	300	130
Ice creamgal.	118,975	213,424	3,392	6,109	9,393	18,678	3,403	5,723	206	460
All other products	-	347,721	-	6,290	-	23,584	-	12,380	-	32,287
TOTAL		47,845,811		2,021,122		3,525,609		3,091,869		875,286
Products	Nova Scotia		Ontario		P. E. Island		Quebec		Saskatchewan	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Breadlb.	10,697	529 705,907	284,105	377 17,674,159	1,052,483	59,107	194,986	689 11,276,208	24,284	705 1,237,927
Buns	-	27,172	-	1,012,392	-	445	-	200,725	-	70,090
Pies, cakes, etc. -	-	101,896	-	3,801,574	-	7,687	-	1,209,184	-	116,044
Puddings	-	2,660	-	10,312	-	-	-	1,027	-	365
Biscuits, plain & fancyton	10	4,444	52	25,178	-	-	27	5,280	2	450
Confectionery, all kindslb.	26,722	7,799	480,839	158,621	132	40	242,699	86,723	70,560	18,475
Ice creamgal.	300	920	80,787	154,112	-	-	11,961	18,881	9,528	13,541
All other products	-	11,188	-	181,906	-	-	-	69,827	-	10,259
TOTAL		861,386		23,018,254		67,279		12,867,855		1,517,151

BREAD AND OTHER BAKERY PRODUCTS, 1922.

CAPITAL INVESTMENT

The capital invested in the industry is shown in Table 2 by items. The first two may be classified as fixed capital and the latter two as working capital. Fixed capital represented 79.5 per cent of the total investment and working capital 21.5 per cent. Ontario leads the provinces with approximately 46 per cent of the total invested capital, Quebec being next with 31 per cent. The remaining provinces furnished 23 per cent of the total investment and rank in the following order: Manitoba, Alberta, British Columbia, Saskatchewan, Nova Scotia, New Brunswick and Prince Edward Island.

Table 2.- Capital Investment, 1922.

Provinces	Land, build- ings and fixtures	Machinery and tools	Materials on hand, stocks in process, &c	Cash, trad- ing and operating acct's, etc.	Total Capital
CANADA	\$ 13,438,652	\$ 6,895,588	\$ 2,157,019	\$ 3,060,353	\$ 25,551,612
Alberta	723,741	343,819	37,842	130,997	1,291,399
Br. Columbia ¹ ..	485,514	437,375	122,189	238,477	1,283,555
Manitoba	724,881	366,971	84,022	266,667	1,442,541
New Brunswick	165,281	114,037	51,453	63,429	394,200
Nova Scotia ..	195,685	108,986	62,842	46,250	413,763
Ontario	6,290,867	3,157,586	1,017,067	1,264,609	11,730,129
P. E. Island ..	13,400	3,000	4,052	3,902	24,354
Quebec	4,266,297	2,168,958	609,621	835,028	7,879,904
Saskatchewan ..	567,986	194,856	117,931	210,994	1,091,767

¹ Includes Yukon.

EMPLOYEES, SALARIES AND WAGES

Table 3(a) presents statistics of employment by classes, sex and remuneration. Compared with 1921, the increase in total employment was 682 and in remuneration for services \$570,066. The number of male employees increased by 701, while the female employees decreased by 19. The increase in the number of salaried persons was 292 and of salaries paid \$321,271, and in the wage earning class the increase in number was 390 and the amount paid for wages \$248,795. Table 3(b) gives the statistics of employment by provinces.

Table 3(a) Classes of Employment

Classes of Employment	No. of Employees		Salaries and Wages
	Male	Female	
Salaried offices of corporations	136	9	\$ 450,693
General superintendents, managers, &c	133	7	398,467
Technical experts, accountants, &c...	60	14	106,563
Clerks, stenographers, salesmen, &c...	825	269	1,164,253
Employees on wages, average number	7,917	985	9,740,643
TOTAL	9,171	1,284	11,860,619

Table 3(b) Employees, Salaries and Wages, by Provinces

Provinces	Employees on Salaries			Employees on Wages		
	Male	F.	Salaries	Male	Female	Wages
CANADA	No. 1,254	No. 299	\$ 2,119,976	No. 7,917	No. 985	\$ 9,740,643
Alberta	29	11	63,678	330	62	444,948
Br. Columbia ..	81	20	143,333	520	73	756,267
Manitoba	123	28	208,486	454	40	786,061
New Brunswick	14	5	27,231	129	41	155,029
Nova Scotia ..	20	6	25,785	147	26	149,108
Ontario	331	162	735,035	3,889	560	4,943,072
P. E. Island ..	1	1	1,500	12	2	11,371
Quebec	561	60	838,072	2,217	155	2,209,596
Saskatchewan ..	74	6	71,856	218	26	285,191

BREAD AND OTHER BAKERY PRODUCTS, 1922.

OTHER LABOUR STATISTICS

Statistics of working time by provinces, of mills in operation and of employes are shown in Table 4. The time in operation during the year is shown under three heads: on full time, on part time and idle. The working time of employes is shown by the hours worked per day and per week. Columns showing the average per plant of each of the foregoing complete the table.

Table 4.- Other Labour Statistics

	No. of establishments	Days in operation			Hours worked		Averages of:-		
		On full time	On part time	Idle	Per day	Per week	Days in operation	Hours per day	Hours per week
CANADA	1,865	536,891	12,406	34,448	16,474	98,581	294.53	8.82	52.86
Alberta	103	28,852	823	2,559	876	5,200	288.15	8.50	50.48
British Columbia † ...	134	37,737	994	3,211	1,140	6,763	289.04	8.51	50.47
Manitoba	73	21,297	401	1,151	636	3,802	297.23	8.71	52.08
New Brunswick	42	11,555	553	1,038	377	2,258	288.29	8.98	53.76
Nova Scotia	37	10,667	225	689	324	1,937	294.38	8.76	52.35
Ontario	762	218,381	4,928	15,197	6,701	40,041	293.06	8.76	52.55
Prince Edward Island .	7	1,851	217	123	64	384	295.43	9.14	54.86
Quebec	628	184,384	3,468	8,712	5,674	34,032	299.13	9.04	54.19
Saskatchewan	79	22,167	792	1,768	682	4,134	290.62	8.63	52.33

† Includes Yukon.

BREAD AND OTHER BAKERY PRODUCTS, 1922.

MATERIALS USED

The quantity and the cost value delivered at the factory or shop of the various classes of materials used in the industry during the year is shown by provinces in Table 5. Flour is the principal material used and represents 68 per cent of the total cost for the Dominion, malt and yeast come next with 6.5 per cent, fats including butter, lard and shortening are next with 6.3 per cent, followed by sugar, syrups and glucose with 4.6 per cent, eggs with 3 per cent, fruits with 2.3 per cent, milk, cream, etc. with 2 per cent, containers, wrappers, labels, etc. with 1.6 per cent and the remaining items of the report, including "all other materials", with 7.7 per cent.

Table 5.- Materials Used, 1922.

Materials Used	Unit	CANADA		Alberta		Br. Columbia & Yukon		Manitoba		New Brunswick	
		Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value
Flour	bbis.	2,569,683	16,866,244	102,694	534,221	156,594	1,055,873	164,419	1,046,810	39,037	290,206
Malt	lbs.	2,423,791	339,801	93,888	13,943	148,607	22,834	89,597	17,951	20,143	3,268
Yeast	"	4,001,142	1,270,813	227,922	94,523	368,586	122,065	254,708	77,976	82,087	27,029
Salt	bbis.	45,987	122,439	2,940	6,993	1,093	7,497	1,837	8,360	9,895	1,617
Sugar	lbs.	13,655,363	1,092,807	585,215	57,308	1,186,664	85,666	839,491	63,609	258,875	22,457
Butter	lbs.	773,574	249,494	40,903	14,596	129,681	48,045	29,953	9,204	17,038	5,909
Lard	lbs.	6,950,333	1,066,101	356,556	57,708	600,965	93,970	197,903	31,665	156,104	22,638
Shortening	lbs.	1,689,732	246,526	52,868	8,370	84,134	13,439	345,209	48,518	16,640	2,640
Cream	gal.	135,247	269,741	2,664	5,140	8,169	16,449	4,418	7,937	538	742
Milk - fresh	"	309,045	96,725	27,676	9,305	24,255	8,754	6,026	2,088	9,997	3,812
condensed	lb.	597,671	55,316	240	39	14,298	1,883	300	60	10,040	1,435
powdered	"	528,845	88,149	35,922	6,030	26,514	5,259	27,618	4,708	14,776	2,599
Eggs	doz.	2,189,475	736,844	81,098	23,425	187,916	63,921	85,369	28,370	41,958	14,375
Fruits	lbs.	3,054,688	575,097	109,500	22,060	292,178	50,981	185,834	40,002	52,051	9,143
Extracts, essences and flavourings	-	-	56,128	-	2,455	-	4,899	-	2,525	-	1,448
Nuts	lbs.	186,971	73,571	10,064	4,316	19,405	7,745	9,746	4,795	2,818	1,384
Glucose	"	246,304	12,213	2,690	179	19,850	1,378	100	9	-	-
Syrups	gal.	53,132	35,654	3,044	1,918	6,987	4,576	4,859	3,838	1,373	1,054
Chocolate	lbs.	131,210	41,805	3,785	1,200	9,761	3,229	1,325	762	1,679	462
Cocconut	"	278,048	57,974	11,942	2,482	35,951	6,623	12,640	3,124	2,495	499
Cocoa butter	"	25,510	6,556	20	6	1,990	353	-	-	28	10
Cooking oils	"	66,946	9,352	-	-	-	-	27,490	3,024	-	-
Boxes, cases, tins, labels	-	-	388,764	-	25,427	-	14,279	-	11,145	-	6,206
All other materials ...	-	-	950,022	-	36,824	-	70,904	-	37,873	-	45,314
TOTAL			24,708,136		928,478		1,710,642		1,454,353		464,747

BREAD AND OTHER BAKERY PRODUCTS, 1922.

MATERIALS USED (Continued)

Materials Used	Unit	Nova Scotia		Ontario		P.E. Island		Quebec		Saskatchewan	
		Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value	Quan.	Value
Flour	bb1.	40,463	313,200	1,198,901	7,956,373	3,282	27,221	783,006	5,157,018	81,292	485,322
Malt	lb.	9,800	1,535	1,399,105	191,424	2,684	395	573,192	78,237	86,775	10,164
Yeast	"	93,152	30,785	2,027,831	612,293	8,093	2,923	846,524	268,371	92,239	34,838
Salt	bb1.	588	3,110	14,522	57,225	53	242	13,386	32,977	873	4,418
Sugar	lb.	377,972	34,465	7,321,488	582,843	14,660	1,472	2,749,813	215,091	321,185	29,876
Butter	"	31,534	10,457	215,833	72,712	1,488	454	268,559	76,403	38,585	11,714
Lard	"	205,265	34,795	3,801,961	583,233	6,801	922	1,413,173	206,782	211,605	34,388
Shortening	"	14,383	2,781	1,090,309	154,766	-	-	63,376	11,805	22,808	4,207
Cream	gal.	164	235	84,309	173,958	-	-	29,316	57,525	5,669	7,705
Milk - fresh	"	17,666	6,857	150,170	39,576	973	341	58,974	21,201	13,239	4,791
condensed	lb.	3,591	428	438,083	40,472	-	-	127,673	10,580	3,441	419
powdered	"	40,240	6,259	304,493	50,549	-	-	54,996	8,552	24,286	4,193
Eggs	doz.	41,944	15,924	1,289,289	424,858	3,716	935	404,173	149,781	54,012	15,255
Fruits	lb.	26,810	4,400	1,862,954	342,666	450	112	452,368	90,429	72,543	15,304
Extracts, essences and flavourings	-	-	1,786	-	32,726	-	102	-	7,675	-	2,512
Nuts	lb.	479	265	99,477	35,648	1,596	796	26,795	11,651	16,591	6,971
Glucose	"	2,954	253	149,824	6,110	-	-	52,939	3,067	17,939	1,217
Syrups	gal.	1,129	812	24,510	13,541	-	-	9,019	7,631	2,211	2,284
Chocolate	lb.	1,830	555	55,223	15,036	30	5	50,182	18,694	6,895	1,862
Cocconut	"	3,229	775	135,106	29,681	50	9	66,200	12,563	10,435	2,215
Cocoa butter	"	-	-	17,662	4,541	-	-	5,000	1,363	810	283
Cooking oils	"	-	-	37,181	5,684	-	-	2,275	644	-	-
Boxes, cases, tins, labels	-	-	855	-	209,974	-	-	-	112,625	-	8,253
All other materials	-	-	6,538	-	513,545	-	1,726	-	196,214	-	35,534
TOTAL			477,173		12,154,434		37,655		6,756,929		723,725

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