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REPORT  
on the  
BISCUIT AND CONFECTIONERY  
INDUSTRY  
in  
CANADA  
1920

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Published by Authority of the Hon. J. A. Robb, M. P.,

Minister of Trade and Commerce.

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OTTAWA

MARCH 1922

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DOMINION BUREAU OF STATISTICS.

CENSUS OF INDUSTRY.

OTTAWA, CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S.  
Chief, Census of Industry: J. C. Macpherson.

THE BISCUIT AND CONFECTIONERY INDUSTRY, 1920.

Ottawa, March, 1922:- The Dominion Bureau of Statistics herewith presents a separate report on the Biscuit and Confectionery Industry in Canada for the calendar year 1920, apart from the baking of bread, etc., in response to an appeal from the association of Biscuit and Confectionery manufacturers. The statistics cover the operations of 400 individual plants, located by provinces, as follows:- Ontario 225, British Columbia 49, Quebec 47, Alberta 28, Manitoba 17, Saskatchewan 13, Nova Scotia 10, New Brunswick 9, and Prince Edward Island 2, in the order named.

PRODUCTION.

The quantity and selling value at the factory of the various items of production are stated in the following summary table for the calendar year 1920, the total value amounting to \$54,658,833. As some factories also operate bakeries in connection, it has been impossible to entirely segregate the statistics of the two industries:-

Articles Produced	Unit of measure	Quantity	Selling Value.
Bread .....	loaves	7,842,487	\$ 628,849
Buns and pastry .....	-	-	489,667
Biscuits, plain & fancy .	ton	24,052	16,013,215
Puddings .....	-	-	547,821
Confectionery, all kinds	pound	95,725,776	30,547,044
Ice Cream .....	gallon	2,624,692	4,023,161
All other products, value only	-	-	2,409,076
TOTAL VALUE			\$ 54,658,833

## THE BISCUIT AND CONFECTIONERY INDUSTRY 1920.

## CAPITAL INVESTMENT.

The value of capital invested in the industry is shown by principal items and also by provinces in the accompanying table:

Provinces	Land, build- ings and fixtures	Machinery and tools	Materials on hand, stocks in process etc	Cash, trad- ing and operating acct's. etc.	Total Capital.
	\$	\$	\$	\$	\$
Alberta .....	283,191	96,550	235,535	162,597	777,922
Br. Columbia	459,597	246,283	363,822	280,175	1,349,877
Manitoba ....	319,524	146,758	353,739	168,237	988,258
New Brunswick	387,310	362,999	579,357	661,570	1,991,236
Nova Scotia .	312,576	379,185	574,001	689,483	1,955,245
Ontario .....	6,513,298	4,998,496	3,962,758	3,779,270	19,253,822
P. E. Island.	2,000	2,650	835	1,163	6,648
Quebec .....	1,433,610	979,579	867,816	1,430,612	4,711,617
Saskatchewan.	38,052	38,730	65,770	40,403	182,955
CANADA	9,749,158	7,251,230	7,003,683	7,213,510	31,217,581

## EMPLOYEES, SALARIES AND WAGES.

The services of the various classes of employment are presented in the following table by numbers, sex and amounts paid for such service, the total cost of such reaching \$10,538,291:-

Classes of employment	No. of Employees		Salaries and Wages
	Male	Female	
Officers, superintendents, managers	294	24	1,061,040
Clerks, stenographers, and other salaried employees .....	1,006	382	1,727,922
Employees, average yearly number .	4,463	6,499	7,733,514
Outside piece-workers .....	46	8	15,815
TOTALS	5,809	6,913	10,538,291

Another classification of employees according to weekly wage payments within specified wage groups and also by age and sex is given below:-

Specified groups of weekly wages	Over 16 yrs.		Under 16 yrs.		Total Employees
	Male	Female	Male	Female	
	No.	No.	No.	No.	
Under \$5 per week .....	21	68	17	35	141
\$5 but under \$10 per week .	256	1,671	80	189	2,196
\$10 " " \$15 " " .	536	2,874	76	132	3,618
\$15 " " \$20 " " .	1,143	911	9	5	2,068
\$20 " " \$24 " " .	815	96	1	-	912
\$24 " " \$28 " " .	672	35	1	-	708
\$28 " " \$30 " " .	168	2	2	-	172
\$30 per week and over .....	498	2	1	-	501
TOTALS	4,109	5,659	187	361	10,316

THE BISCUIT AND CONFECTIONERY INDUSTRY, 1920.

FUEL CONSUMPTION.

The quantity and the cost value delivered at the factory or works is shown by origin for each of the principal classes of fuel used during the year:-

Classes of Fuel	Unit of measure	Canadian		Foreign	
		Quan.	Cost Val.	Quan.	Cost Value
Bituminous coal .....	ton	15,719	147,884	22,869	252,262
Anthracite coal .....	"	-	-	10,698	155,569
Lignite coal .....	"	274	2,378	143	2,243
Coke .....	"	1,228	13,212	8	2,072
Gasoline .....	gal.	69,101	26,359	4,976	2,203
Oil (fuel) .....	gal.	109,420	10,635	44,275	3,937
Wood .....	cds.	1,541	11,748	-	-
Gas, artificial and natural .....	m.c.ft.	108,422	99,388	-	-
All other fuel unspecified		-	3,674	-	29
TOTAL FUEL COST			315,278		418,315

MATERIALS USED.

The quantities and cost values at the factory or works of the principal materials used in the industry in 1920 are given in the following table. In 1919 the total cost of materials for the Dominion was \$18,306,722, and the value of products \$52,455,599, as compared with \$30,939,803 for materials and \$54,658,833 in value of products in 1920:-

Classes of Materials	Unit of measure	Quantity	Cost value at factory or works
Flour .....	barrels	290,267	3,200,975
Sugar .....	pound	57,643,430	8,528,799
Chocolate .....	pound	8,752,695	2,649,231
Glucose .....	pound	19,713,951	1,488,366
Cream .....	gallon	878,995	1,476,337
Lard .....	pound	6,187,232	1,445,601
Cocoa-butter .....	pound	2,643,785	1,065,129
Fruits .....	pound	3,245,204	778,508
Butter .....	pound	773,540	426,084
Cocoa-nut .....	pound	1,427,952	411,987
Milk, powdered .....	pound	1,713,253	402,841
Milk, condensed .....	pound	-	166,285
Milk, fresh .....	gallon	425,291	167,127
Syrups .....	gallon	194,869	185,330
Cocoa beans .....	pound	1,400,649	337,075
Eggs .....	dozen	742,952	280,804
Nuts, all kinds .....	pound	628,504	160,204
Extracts, essences, etc.		-	327,714
Containers, labels, etc.		-	2,736,440
All other materials, n.s.		-	4,704,965
TOTAL COST OF MATERIALS			30,939,803

POWER EMPLOYED

The various kinds of power employed in the industry are shown in the table below according to (a) the number of units of each class of power, (b) the total horsepower according to manufacturer's rating and (c) the horsepower actually used:-

Classes of power.	No. of units	H.P. accordg to mfrs. rating.	H.P. actually used.
Boilers .....	91	7,340	5,374
Engines, steam .....	38	3,068	2,431
Engines, gas .....	4	138	138
Engines, gasoline .....	13	69	67
Water wheels or turbines ...	2	250	250
Electric motors .....	1,332	56,702	54,884
Other power, not specified.	16	816	791
TOTAL HORSEPOWER		68,383	63,935

## THE BISCUIT AND CONFECTIONERY INDUSTRY, 1920.

## MISCELLANEOUS EXPENSES.

The overhead or miscellaneous charges in connection with the industry are itemized in the summary below for the calendar year 1920

Rent of offices, works and machinery	\$	295,870
Rent of power .....		144,638
Insurance, (premiums for year only) ..		246,255
Taxes, municipal, provincial, federal		974,623
Royalties, use of patents, etc.....		13,407
Advertising expenses .....		514,934
Travelling expenses .....		776,979
Repairs to buildings and machinery .		541,023
All other sundry expenses .....		3,911,255

TOTAL MISCELLANEOUS  
EXPENSES 7,418,984

## LABOUR STATISTICS.

The number of days that factories or shops were in operation during the year, the hours worked per day or per shift and the hours worked per week are shown by provinces in the following table. The average working time in each factory for the year was 273 days and the average hours per day and per week were respectively 8.59 and 50.45.

Provinces	No. of plants	Total days in actual operation during year	Days idle	Total hours worked per day.	Total hours worked per week.
Alberta ...	28	6,697	2,067	236	1,379
Br. Columbia	49	14,144	1,193	417	2,495
Manitoba ..	17	4,565	756	138	795
New Brunswick	9	2,706	111	77	457
Nova Scotia	10	2,996	134	92	537
Ontario ....	225	60,342	10,083	1,954	11,371
P. E. Island	2	613	13	19	109
Quebec .....	47	13,339	1,372	410	2,363
Saskatchewan	13	3,698	371	112	676
CANADA	400	109,100	16,100	3,435	20,182
Averages per Factory by Provinces:-					
CANADA	-	273.00	40.00	8.59	50.45
Alberta ....	-	239.18	73.82	8.43	49.25
Br. Columbia	-	288.65	24.35	8.51	50.92
Manitoba ...	-	268.53	44.47	8.12	46.80
New Brunswick	-	300.67	12.33	8.55	50.78
Nova Scotia.& P. E. Island)	-	300.75	12.25	9.25	53.88
Ontario .....	-	268.19	44.81	8.59	50.54
Quebec .....	-	283.80	29.20	8.72	50.28
Saskatchewan	-	284.46	28.54	8.61	52.00

## THE BISCUIT AND CONFECTIONERY INDUSTRY, 1920.

## PRINCIPAL STATISTICS BY PROVINCES.

The principal statistics of the industry are shown by provinces in the following table:-

Provinces	No. of plants	Capital	Employees	Salaries and Wages	Cost of Materials	Value of Products
		\$	No.	\$	\$	\$
Alberta ...	28	777,923	295	230,513	944,436	1,655,362
Pr. Columbia	49	1,349,877	510	523,275	1,346,321	2,601,142
Manitoba ...	17	988,258	505	452,600	1,529,910	2,386,770
New Brunswick	9	1,991,236	840	573,549	2,054,260	3,618,648
Nova Scotia & P. E. Island	12	1,961,893	1,123	857,613	2,520,725	4,718,630
Ontario ....	225	19,253,822	7,138	6,162,296	16,652,031	30,442,824
Quebec .....	47	4,711,617	2,214	1,603,761	5,591,632	8,845,595
Saskatchewan	13	182,955	97	75,664	240,458	389,862
<b>CANADA</b>	<b>400</b>	<b>31,217,581</b>	<b>12,722</b>	<b>10,538,291</b>	<b>30,939,803</b>	<b>54,658,833</b>

## IMPORTS AND EXPORTS.

The quantity and value, wherever possible, of (a) goods imported into Canada, and (b) goods, the produce of Canada, exported are shown by totals and also by principal countries in the accompanying table, for the calendar year 1920:-

## (a) (a) IMPORTS.

Articles imported	Total Imports	Countries from which imported		
		U. K.	U. S.	Other
Biscuits, sweetened ... lb	307,612	230,383	54,753	22,476
\$	119,567	98,799	14,620	6,148
Biscuits, not sweetened lb	715,866	173,858	455,686	86,322
\$	94,585	24,950	58,830	10,805
Confectionery coated with or containing chocolate .....	lb 252,085	72,665	169,886	9,534
\$	129,324	47,807	76,316	5,201
Sugar candy and confectionery of all kinds .....	lb 1,845,157	682,554	1,001,926	160,677
\$	580,887	241,607	291,064	48,216
<b>TOTAL IMPORTS (value only) ...</b>	<b>\$ 924,363</b>	<b>413,163</b>	<b>440,830</b>	<b>70,370</b>

## (b) EXPORTS.

ARTICLES exported	Exports	Countries to which exported		
		U. K.	U. S.	Other
Biscuits and bread cwt.	8,908	29	3,469	5,410
\$	138,247	508	29,217	108,522
Confectionery (value only) \$	2,566,763	1,547,413	90,709	928,641
<b>TOTAL EXPORTS, (value only) \$</b>	<b>2,705,010</b>	<b>1,547,921</b>	<b>119,926</b>	<b>1,037,163</b>

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