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DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

REPORT  
on the  
COCOA & CHOCOLATE INDUSTRY  
in  
CANADA  
1921 and 1922

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1911

1911

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA.

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

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA

1921 and 1922

Ottawa, April, 1924.- A report on the Cocoa and Chocolate industry in Canada for the calendar years 1921 and 1922 is presented herewith. The report covers the operations of five individual establishments, of which one was located in Nova Scotia, and two each in the provinces of Ontario and Quebec. The principal statistics of the industry for the years 1921 and 1922 are shown in the following table:-

	1921	1922
Establishments ..... No.	5	5
Capital investment ..... \$	3,817,071	4,245,916
Employees on salaries -		
Male ..... No.	64	68
Female ..... No.	22	21
Salaries ..... \$	175,412	167,940
Employees on wages (Av. Number) -		
Male ..... No.	250	295
Female ..... No.	214	246
Wages ..... \$	420,663	465,850
Cost of fuel ..... \$	39,779	47,278
Power installed -		
Units ..... No.	132	141
Capacity ..... H.P.	2,478	2,316
Miscellaneous expenses ..... \$	516,170	532,119
Cost of materials ..... \$	2,323,516	2,411,663
Value of products ..... \$	3,561,838	3,982,145
Value added by manufacture ..... \$	1,238,322	1,570,482

PRODUCTION

The quantity and selling value at the factory or works of the articles manufactured during the years 1921 and 1922 are shown in Table 1. Whilst the number of establishments remained the same as the previous year, the value of production increased by \$420,307.

Table 1.- Products for the calendar years 1921-1922.

Products	1921		1922	
	Quantity lbs.	Sell. Value at factory \$	Quantity lbs.	Selling Val. at factory \$
Cocoa .....	2,185,751	791,765	2,029,394	624,350
Cocoa butter .....	81,042	22,692	1,504,102	270,444
Chocolate .....	9,638,899	2,623,682	8,218,271	1,811,756
Confectionery, all kinds .	318,650	104,660	3,803,139	1,256,073
Cream of tartar and substitutes .....	14,000	5,400	14,000	4,334
Isings .....	-	-	23,765	3,961
Spices, mixed, ground, whole	40,000	12,319	37,000	11,141
All other products .....	-	1,320	-	86
<b>TOTAL</b>		<b>3,561,838</b>		<b>3,982,145</b>

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA, 1921-1922CAPITAL INVESTMENT

In Table 2, the amount of capital invested in the industry is shown by items for the calendar years 1921 and 1922. The latter year shows a very considerable increase in each of the four items over the previous year, the total expansion amounting to \$428,845. Fixed capital (items 1 and 2) accounted for \$35,186 of the above expansion, and working capital (items 3 and 4) for \$393,659.

Table 2.- Capital Investment, 1921-22

Items of capital	1921	1922
Land, buildings and fixtures .....	1,499,793	1,501,978
Machinery and tools .....	1,303,664	1,336,665
Materials on hand, stocks in process, etc.	697,629	757,295
Cash, trading and operating accounts, etc.	315,985	642,978
TOTAL	3,817,071	4,245,916

EMPLOYEES, SALARIES AND WAGES

The total number of persons employed in the industry by classes and sex together with the amounts paid in each class for salaries and wages, is shown in Table 3 for the calendar years 1921 and 1922. For the former year, 86 salaried persons received \$175,412 whilst during the following year, although the salary list had risen to 89, the total amount paid was less, viz:- \$167,940, a decrease of \$7,472. The number of employees on wages rose from 250 males and 214 females during 1921 to 295 males and 246 females for 1922, and accounted for an increase in the total wages paid of \$45,137.

Table 3.- Employees, Salaries and Wages, 1921 and 1922.

Classes of Employment	No. of Employees		Salaries and Wages
	Male	Female	
<u>1921</u>			
Salaried officers of corporations .....	9	-	50,590
General superintendents, managers, etc...	3	-	9,208
Technical experts, engineers, accountants	1	-	1,500
Clerks, stenographers, salesmen, etc.....	51	22	114,114
Employees on wages, average number .....	250	214	420,563
TOTAL	314	236	596,075
<u>1922</u>			
Salaried officers of corporations .....	6	-	38,457
General superintendents, managers, etc...	3	-	13,240
Technical experts, engineers, accountants	3	-	4,820
Clerks, stenographers, salesmen .....	56	21	111,323
Employees on wages, average number .....	295	246	465,850
TOTAL	363	267	633,790

OTHER LABOUR STATISTICS

Table 4 presents statistics relating to the number of days the plants were in operation during the calendar years 1921 and 1922, and also the number of working hours per day and per week. During 1922 the five factories were in operation 100 days less than the previous year, being an average of 20.00 days per establishment. The number of days idle fell from 221 in 1921 to 189 in 1922, or an average of 6.40 days each. There was no appreciable change in the number of hours worked per day or per week during the two year period.

Table 4.- Other Labour Statistics, 1921-22

	1921		1922	
	Total	Average	Total	Average
Number of establishments .....	5		5	
Number of days on full time .....	1,299	259.80	1,199	239.80
On part time .....	-	-	132	26.40
Idle .....	221	44.20	189	37.80
Number of hours worked by employees -				
Per day or shift .....	45	9.00	45	9.00
Per week .....	251	50.20	252	50.40

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA, 1921-22

MATERIALS USED

Table 5 shows the quantity and cost value of the principal materials used in the industry. For the two year period the quantity and value of cocoa beans increased by 2,494,839 pounds valued at \$230,679. The only other important change was a very large decrease in the quantity and value of chocolate purchased for remanufacture. In 1921 this commodity was used to the extent of 756,127 pounds valued at \$113,419, but during the following year the quantity used fell to 62,960 pounds worth \$17,240, a decrease of 693,167 pounds valued at \$96,179

Table 5.- Materials Used, 1921-22.

Materials Used	1921		1922	
	Quantity lbs.	Value \$	Quantity lbs.	Value \$
Cocoa beans .....	7,202,630	807,320	9,697,469	1,037,999
Vanilla beans .....	2,681	5,918	2,736	7,357
Cocoa butter .....	1,381,222	400,737	1,411,410	408,844
Chocolate .....	756,127	113,419	62,960	17,240
Nuts, all kinds .....	177,967	47,664	215,835	51,953
Milk powder .....	523,623	131,520	662,708	160,580
Sugar .....	4,631,190	391,673	5,318,650	338,245
Glucose .....	54,000	1,622	55,154	1,536
Peanuts, green .....	20,000	1,801	-	-
Baking powder materials -				
Cream of tartar .....	14,157	3,889	-	-
All other materials .....	600	12	-	-
Cream of tartar materials ...	-	-	14,011	3,016
Essences, essential oils, etc.	3,000	7,000	-	-
Containers, labels, packing cases, etc. ....	-	360,289	-	299,589
All other materials .....	-	50,652	-	85,304
<b>TOTAL</b>		<b>2,323,516</b>		<b>2,411,663</b>

FUEL CONSUMPTION

The quantity and value of all fuel used during the calendar years 1921 and 1922 is shown in Table 6.

Table 6.- Fuel Consumption, 1921-1922.

Classes of Fuel	Unit of Measure	1921		1922	
		Quantity	Value \$	Quantity	Value \$
Bituminous coal .....	ton	3,910	33,171	3,472	27,921
Anthracite coal .....	"	373	4,248	1,879	16,237
Gasoline .....	gal.	1,500	748	-	-
Gas .....	m.c.ft.	1,441	1,612	2,737	3,120
<b>TOTAL</b>			<b>39,779</b>		<b>47,278</b>

POWER INSTALLATION

The classes of power installed in the industry during the calendar years 1921 and 1922 are shown in Table 7 for (a) the number of units in each class and (b) the horsepower capacity according to manufacturers' rating. Electrical energy takes first place and steam engines rank second in both years.

Table 7.- Power Statistics, 1921-1922

Classes of Power	1921		1922	
	Units	H.P. Capacity	Units	H.P. Capacity
Engines, steam .....	3	215	6	265
Electric motors .....	129	2,263	135	2,051
<b>TOTAL</b>	<b>132</b>	<b>2,478</b>	<b>141</b>	<b>2,316</b>

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA, 1921-22MISCELLANEOUS EXPENSES

In Table 3 is shown the cost of the overhead or miscellaneous items of expense incurred in this industry during the calendar years 1921 and 1922. Owing to changes in the schedule for 1922 the individual items of miscellaneous expenses cannot be given for that year. Of the various items in 1921, advertising takes first place with a total of \$134,242, the next in order being travelling expenses which amounted to \$51,043; taxes, rent of power, insurance and repairs to buildings and machinery follow next in importance in the order named with \$35,202, \$27,356, \$19,737, and \$16,780 respectively. There was a total increase of \$15,949 in 1922 over the previous year.

Table 8.- Miscellaneous Expenses, 1921-1922

Items of Expense	1921	1922
	\$	\$
Rent of office, works and machinery	7,296)	
Rent of power .....	27,356)	
Insurance .....	19,737)	
Taxes, all kinds .....	35,202)	532,119
Advertising expenses .....	134,242)	
Travelling expenses .....	51,043)	
Repairs to buildings and machinery	16,780)	
All other sundry expenses .....	224,514)	
TOTAL	516,170	532,119

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA, 1921 and 1922.

IMPORTS AND EXPORTS

Imports.- The quantity and value of raw and partly manufactured materials and of wholly manufactured products imported into Canada for consumption during the calendar years 1921 and 1922 are shown in Table 9 by countries.

Exports.- There are no exports of either cocoa or chocolate in any form from Canada.

Table 9.- Imports into Canada for Consumption, 1921 - 1922.

Articles Imported	Unit of Measure	United Kingdom		United States		Other Countries	
		Quantity	Value	Quantity	Value	Quantity	Value
<u>1921</u>							
Cocoa beans not roasted or ground	cwt.	13,843	187,423	83,540	781,889	63,311	602,294
Cocoa shells and nibs .....	lb.	29,067	1,452	83,079	942	158	27
Cocoa butter .....	lb.	788,548	246,798	3,837,120	992,026	287,659	80,831
Cocoa paste or liquor, not sweetened	lb.	122	42	10,916	2,184	22	14
Cocoa paste or liquor, sweetened	lb.	-	-	164,717	45,044	2,000	973
Cocoa or chocolate, preparations of, in powdered form .....	lb.	638,384	143,234	336,608	33,784	62,008	16,182
Cocoa or chocolate, preps. of, n.a.p..	lb.	41	17	4,660	2,208	-	-
TOTAL			578,966		1,858,077		700,321
<u>1922</u>							
Cocoa beans not roasted or ground	cwt.	25,860	255,604	45,994	519,141	80,850	787,058
Cocoa shells and nibs .....	lb.	12,337	999	1,328	35	-	-
Cocoa butter .....	lb.	390,127	113,416	3,183,671	946,165	1,293,452	358,285
Cocoa paste or liquor, not sweetened	lb.	-	-	22,300	4,240	47	16
Cocoa paste or liquor, sweetened	lb.	112	39	205,379	46,972	44	12
Cocoa or chocolate, preparations of, in powdered form .....	lb.	41,323	13,561	648,803	42,094	73,631	11,407
Cocoa or chocolate, preps. of, n.o.p.....	lb.	1,538	762	5,358	1,231	2,219	1,209
TOTAL			384,381		1,559,878		1,157,987

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