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ADVANCE REPORT

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COCOA & CHOCOLATE INDUSTRY

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Minister of Trade and Commerce.

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DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA.

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

THE COCOA AND CHOCOLATE INDUSTRY 1920

Ottawa, May 1922, an advance report on the Cocoa and Chocolate industry in Canada for the calendar year 1920 has been completed by the Dominion Bureau of Statistics. The report covers the operations of nine individual establishments, five of which were located in the Province of Ontario, three in Quebec, and one in Nova Scotia. The principal statistics of the industry are shown by provinces in the following table:-

Province	No. of plants	Capital	Empls.	Sal. & Wages	Cost of Materials	Value of Products
		\$	No.	\$	\$	\$
Ontario	5	3,089,565	632	637,655	2,846,726	4,290,542
Quebec & Nova Scotia	4	2,464,006	768	608,058	2,793,367	4,617,735
CANADA TOTALS	9	5,553,571	1,400	1,245,693	5,640,593	8,908,277

PRODUCTION

The quantity and selling value at the factory or works of the articles manufactured during the year are shown in the accompanying table. Owing to changes made in classification, the industry shows a small decrease in production over the previous year when there were 10 establishments with a production of \$9,712,125, as against 9 establishments in 1920 with a production of \$8,908,277 or a decreased production for the year of \$809,808.

Kinds of Products	Unit of measure	Quantity	Selling value at factory.
Chocolate . . . . .	lbs.	15,475,775	5,690,154
Cocoa . . . . .	"	1,750,015	596,81
Cocoa butter . . . . .	"	176,310	65,504
Confectionery, all kinds. . . . .	"	4,113,414	2,280,100
Spices, mixed, whole or ground. . . . .	"	60,000	28,962
All other products, (value only)	"	-	247,076
TOTAL VALUE OF PRODUCTS			8,908,277

CAPITAL INVESTED

The amount of capital invested in the industry is shown by items and by provinces in the following table for the calendar year 1920. The net increase over the previous year was \$352,048. Plant and machinery increased by \$621,820, but materials, stocks on hand and cash, trading and operating accounts, etc., decreased by \$269,772

Provinces	Land, Buildings and fixtures	Machinery and tools	Mtls. on hand, stocks in process etc.	Cash, trading & Oper. accts.	Total Capital
	\$	\$	\$	\$	\$
Ontario . . . . .	1,089,501	861,806	756,235	383,023	3,089,565
Quebec & Nova Scotia . . . . .	584,577	561,565	771,823	586,041	2,484,006
CANADA	1,623,078	1,423,371	1,528,058	969,064	5,553,571

EMPLOYEES, SALARIES AND WAGES.

The number of persons employed in the industry is shown by classes of employment, sex, and salary and wage payments in the following summary table:-

Classes of Employment	Number of Employees		Salaries and wages
	Male	Female	
Officers, superintendents, managers	27	-	\$ 132,141
Clerks, stenographers and other salaried employees	106	45	172,427
Employees on wages, average number	561	661	941,125
TOTALS	694	706	1,245,693

Another classification of employees according to weekly wage payments within specified groups of earnings, age and sex as at December 15th, 1920 is presented herewith:-

Groups of Weekly earnings	Employees Over 16 yrs. age		Employees Under 16 yrs.		Total Employees
	Male		Female		
	No.	No.	No.	No.	
Employees receiving -					
Under \$5 per week . . . . .	7	13	-	-	20
\$5 but under \$10 per week . .	13	383	3	13	412
10 " " 15 " " . . . . .	55	252	2	15	324
15 " " 20 " " . . . . .	177	23	-	-	200
20 " " 24 " " . . . . .	126	1	-	-	127
24 " " 28 " " . . . . .	99	2	-	-	101
28 " " 30 " " . . . . .	15	-	-	-	15
30 per week and over. . . . .	32	-	-	-	32
TOTALS	522	674	5	28	1,229

LABOUR STATISTICS

The time in operation and the working hours per day and week of the nine plants are summarized by totals and averages in the following statement.

Days in operation	Totals	Averages
On full time	2,569	285.44
On part time	151	14.56
Idle	36	4.00
Hours worked -		
Per day or shift	80	8.80
per week	448	49.77

THE COCOA AND CHOCOLATE INDUSTRY, 1920.

MATERIALS USED.

The quantity and cost value delivered at the factory or works of the various classes of materials used during the year are shown in the subjoined table:-

Classes of materials	Unit of measure	Quantity	Cost Val. at factory
Cocoa beans . . . . .	pounds	8,098,209	1,651,339
Cocoa butter. . . . .	"	2,212,083	878,904
Cocanuts . . . . .	number	2,060	583
Milk powder. . . . .	pounds	851,855	270,125
Sugar. . . . .	"	8,452,554	1,190,016
Glucose. . . . .	"	1,320,736	55,148
Flour. . . . .	"	662,393	40,241
Starch . . . . .	"	79,251	6,216
Essences & essential oils. . . . .		-	9,497
All other mtl's. including containers		-	1,538,524
<b>TOTAL COST OF MATERIALS</b>			<b>5,640,593</b>

FUEL CONSUMPTION

The quantity and cost value delivered at the factory or works of the different classes of fuel used during the year are shown in the following table by origin:-

Classes of fuel	Unit of measure	Canadian origin		Foreign origin	
		Quantity	Cost Val.	Quantity	C. Value.
Bituminous coal . . . . .	tons	3,602	32,665	3,381	36,173
Anthracit coal . . . . .	"	-	-	180	2,700
Gasoline. . . . .	gals.	5,200	2,453	-	-
Gas. . . . .	m.c.ft.	3,548	3,727	-	-
<b>TOTAL FUEL COST</b>			<b>38,845</b>		<b>38,873</b>

POWER EMPLOYED

The kinds of power employed in the industry are shown in the accompanying table by (a) the number of units of each class of power (b) the horsepower according to manufacturer's rating and (c) the horsepower actually used. The horsepower rating of boilers is also shown but is not included in the totals of power.

Kinds of power	Number of units	Total H.P. according to mfrs. rating	Total H.P. actually used.
Boilers . . . . .	11	1,490	995
Engines, steam . . . . .	6	475	265
Electric motors . . . . .	209	3,353	2,790
<b>TOTALS</b>	<b>215</b>	<b>3,828</b>	<b>3,055</b>

THE COCOA AND CHOCOLATE INDUSTRY 1920.

MISCELLANEOUS EXPENSES.

The cost of the miscellaneous or overhead charges for the year is given by items in the summary below:-

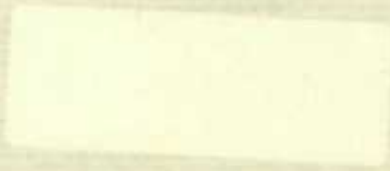
Rent of offices, works and machinery	\$	12,992
Rent of power.....		42,880
Insurance, (premiums only)		34,735
Taxes, municipal, provincial, federal		91,681
Royalties, use of patents, etc.....		600
Advertising expenses.....		187,533
Travelling expenses.....		58,708
Repairs to buildings and machinery...		58,483
All other sundry expenses.....		<u>654,556</u>

TOTAL MISCELLANEOUS EXPENSES      \$ 1,142,168

IMPORTS AND EXPORTS

The quantity and value of articles used in the industry imported during the calendar year and also of manufactured products imported for consumption are shown in the summary table below. Canada does not export any articles under this head.

Articles imported	Unit of Measure	Quantity	Value
Raw Materials -			\$
Cocoa beans .....	cwt.	128,569	2,578,737
Cocoanuts imported direct.....	No.	1,995,919	126,460
Cocoanuts imported n.o.p.....	No.	1,158,240	79,555
Partly manufactured materials -			
Cocoa paste or liquor, not sweetened.....	lb.	34,063	9,501
Cocoa paste or liquor, sweetened	lb.	154,410	55,116
Cocoa butter.....	lb.	4,854,175	1,926,027
Manufactured products -			
Cocoa or chocolate preparations in powdered form.....	lb.	1,565,063	532,052
Cocoa or chocolate prep. n.o.p.	lb.	28,071	13,072
Cocoanut dessicated.....	lb.	2,411,861	490,576



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