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Reservé Industry Canada

CANADA

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DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

REPORT

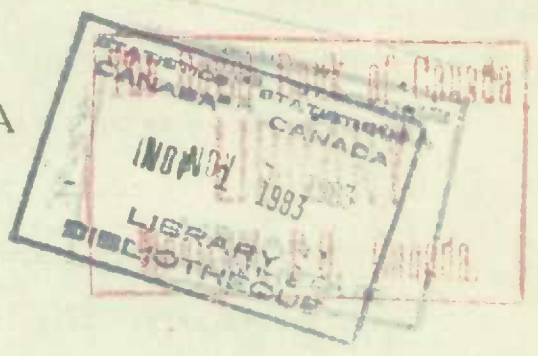
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COCOA & CHOCOLATE INDUSTRY

in

CANADA

1923



Published by Authority of the Hon. Thos. A. Low. M. P.,
Minister of Trade and Commerce.

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OTTAWA

1925

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NOTE.- The statistics published in the present statement include only the statistics of such manufacturing establishments as make Cocoa and chocolate as their principal product. The statistics relating to specific products are therefore not to be regarded as comprehensive as products like, "chocolate", "confectionery, all kinds" "icings" "spices" etc. etc., are also found as secondary products of other industries such as "Biscuits and confectionery" "Coffee and spices" etc. etc.

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DOMINION BUREAU OF STATISTICS

GENSUS 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

1923

Ottawa, February, 1925.- A report is herewith presented on the Cocoa and Chocolate Industry in Canada for the calendar year 1923. Five establishments reported operations during this period of which 2 were in Ontario, 2 in Quebec and 1 in Nova Scotia. A summary of the principal statistics is presented in Table I for the calendar years 1922 and 1923.

Table I. - Principal Statistics.

	1922	1923
Establishments.....No.	5	5
Capital Investment.....\$	4,245,916	3,986,501
Employees on salaries - Male.....No.	68	74
Female.....No.	21	17
Salaries...\$	167,940	174,936
Employees on Wages (avge.number) -		
Male.....No.	295	290
Female.....No.	246	259
Wages.....\$	465,850	446,372
Cost of Fuel.....\$	47,278	43,255
Power Installation - Units.....No.	141	154
Capacity.....H.P.	2,316	2,739
Miscellaneous Expenses.....\$	532,119	648,015
Cost of Materials.....\$	2,411,663	2,470,598
Value of Products.....\$	3,982,145	4,042,106
Value added by manufacture.....\$	1,570,432	1,571,508

PRODUCTION

The quantity and value of the various products of the industry is given in Table II for the calendar years 1922 and 1923. Whilst the number of active establishments was the same in both years, the value of the output increased slightly from \$3,982,145 in 1922 to \$4,042,106, a net increase of \$59,961.

Table II.- Production in Cocoa and Chocolate Factories 1922 and 1923.

Principal Products	1922		1923	
	Quantity	Selling value at the factory \$	Quantity	Selling value at the factory \$
Cocoa.....lb.	2,029,394	624,350	2,590,974	654,095
Cocoa butter....."	1,504,102	270,444	689,139	132,959
Chocolate....."	8,218,271	1,811,756	8,570,153	2,315,597
Confectionery, all kinds....."	3,303,139	1,256,073	2,981,250	860,652
Cream of tartar and substitutes....."	14,000	4,334	12,613	2,868
Icings....."	23,765	3,961	24,034	4,607
Spices mixed, whole or ground....."	37,000	11,141	44,690	11,328
All other products....."	-	86	-	-
TOTAL	-	3,982,145	-	4,042,106

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA 1923

CAPITAL INVESTMENT

The amount of capital invested in the industry during the calendar year 1923 is given in Table III. Fixed capital which comprises the value of land, buildings, fixtures, machinery and tools showed an expansion of \$33,476 over the amount reported for the previous year whilst working capital which represents the value of materials on hand, stocks in process, cash, trading and operating accounts and bills receivable decreased by \$292,891 over the same period. The net decrease in the total capital investment was \$259,415.

Table III.- Capital Investment - 1923.

	Fixed Capital			Working Capital			Total Capital
	Land, buildings and fixtures	Machinery and tools	Total	Materials on hand, stocks in process etc.	Cash, trading and operating accounts	Total	
	\$	\$	\$	\$	\$	\$	\$
CANADA	1,506,025	1,366,094	2,872,119	779,549	334,833	1,114,382	3,986,501

EMPLOYEES, SALARIES AND WAGES

The total number of persons employed in the production of cocoa and chocolate during the calendar year 1923 is shown in Table IV by (a) classes of employment, (b) sex and (c) salary and wage payments. The total number of employees of all classes rose from 630 in 1922 to 640 in the following year, an increase of 10. On the other hand the total amount paid for salaries and wages fell from \$633,790 in 1922 to \$621,308 in 1923, a net decrease of \$12,482.

Table IV.- Employees, Salaries and Wages - 1923.

Classes of employment	Males	Females	Salaries and wages
	No.	No.	
Salaried officers of corporations.....	8	-	41,057
General superintendants, managers, etc.....	3	-	14,140
Technical experts, engineers, accountants, etc.	5	-	9,320
Clerks, stenographers, salesmen, etc.....	58	17	109,919
Employees on wages (average number).....	290	259	446,372
TOTAL	364	276	621,308

OTHER EMPLOYMENT STATISTICS.

The number of wage earners employed in the industry during the calendar year 1923 is given by sex and by months in Table V(a). The number of days the establishments were in operation during the year, together with the number of hours per day or shift and per week normally worked by wage earners will be found in Table V(b)

Table V(a) Wage earners by months - 1923.

Months	Male		Female	
	No.	No.	No.	No.
January	270	222	268	232
February	296	275	271	255
March	307	266	291	273
April	285	253	312	285
May	280	243	313	286
June	272	239	310	282
			Total	3,475
			Average number employed during the year	290
				259

Table V(b) Days in Operation and hours worked - 1923

Number of Establishments	5	
	Total	Average
Number of days in operation on full time.....	1,145	229.0
Part time.....	157	31.4
Idle time.....	218	43.6
Number of hours worked by wage earners - per day		
or shift..	45	9.0
per week	252	50.4

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA 1923

MATERIALS USED

In Table VI will be found the quantity and cost of the various materials used in the industry during the calendar year 1923. The total cost of all materials rose from \$2,411,663 in 1922 to \$2,470,598, the amount reported for the period covered by this report, an increase of \$58,935. The principal items showing an increase in cost were nuts of all kinds, milk powder, sugar, glucose and containers.

Table VI.- Materials Used - 1923.

Principal Materials	Quantity	Cost Value \$
Cream of tartar.....lb.	12,634	2,317
Sodium bicarbonate....."	26,000	663
Flour....."	100,865	3,429
Cocoa beans....."	9,243,954	930,138
Vanilla beans....."	1,965	6,292
Cocoa butter....."	1,402,476	381,252
Nuts of all kinds....."	366,589	70,446
Milk powder....."	755,461	195,207
Sugar....."	4,938,386	449,599
Gelatina....."	5,000	2,800
Glucose....."	101,593	5,354
Malt extract....."	1,350	264
Essences, essential oils, etc.....gal.	1,200	11,834
Alcohol....."	2	28
Spice materials, all kinds.....lb.	30,616	4,404
Spice fruits " ".....-	-	2,266
Containers, labels, etc.....-	-	364,096
All other materials.....-	-	40,211
TOTAL	-	2,470,598

FUEL CONSUMPTION

The quantity and value of the various kinds of fuel consumed in the industry during the calendar year 1923 is given in Table VII. The total cost of all fuel decreased over the two year period 1922-1923 to the extent of \$4,023. Anthracite coal was the principal fuel used with a value of \$35,562 whilst gas and bituminous coal take second and third place respectively.

Table VII - Fuel Consumption - 1923.

Kinds of fuel	unit of measure	Quantity	Cost value \$
Bituminous coal.....	ton	385	3,202
Anthracite coal.....	"	5,316	35,562
Gas.....	m.c.ft.	3,575	4,491
TOTAL		-	43,255

POWER INSTALLATION.

The power installation in the cocoa and chocolate industry in Canada for the calendar year 1923 is given in Table VIII by (a) classes of power, (b) number of units in each class and (c) the horse-power capacity according to manufacturers' rating. Electricity is the principal motive power employed with 148 motors developing 2,474 horse power, out of a total of 154 units with a capacity of 2,739 horse power.

Table VIII. - Power Installation - 1923.

Classes of power	Number of units	Horse power capacity
Steam engines and turbines.....	6	265
Electric motors operated by power generated at the factory.....	59	1,193
Electric motors operated by purchased power.....	89	1,281
TOTAL	154	2,739

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THE COCOA AND CHOCOLATE INDUSTRY IN CANADA 1923

MISCELLANEOUS EXPENSES

The overhead charges or miscellaneous expenses incurred in the industry during the calendar year 1923 amounted to \$648,015 which was an increase over the previous year of \$115,896. The principal items of miscellaneous expenses are rents, taxes of all kinds, insurance premiums, telephone charges, advertising and traveling expenses and repairs to buildings and machinery.

IMPORTS AND EXPORTS

The quantity and value of raw and partly manufactured materials and manufactured products of the cocoa and chocolate industry imported into Canada for consumption during the calendar year 1923 is given by countries of origin in Table IX. There are no exports of either cocoa or chocolate in any form from Canada.

Table IX - Imports of Cocoa and Chocolate - 1923.

Articles imported	United Kingdom		United States		Other Countries	
	Quan.	Value \$	Quan.	Value \$	Quan.	Value \$
Cocoa beans not roasted or ground.....cwt.	32,310	256,470	49,261	487,138	99,240	871,880
Cocoa shells and nibs lb.	-	-	5,849	576	-	-
Cocoa butter.....lb.	57,385	14,325	755,886	208,033	3,523,765	831,494
Cocoa paste or liquer, not sweetened.....lb.	56	25	10,930	2,028	4,923	368
Cocoa paste or liquer, sweetened.....lb.	-	-	86,419	20,116	-	-
Cocoa or chocolate in powdered form.....lb.	54,995	16,691	1,036,052	44,122	79,734	12,619
Cocoa or chocolate, preparations of, n.o.p.....lb.	8,266	5,029	39,984	8,359	4,806	967
TOTAL	-	292,540	-	770,372	-	1,717,328



THE COCOA AND CHOCOLATE INDUSTRY IN CANADA 1923

MISCELLANEOUS EXPENSES

The overhead charges or miscellaneous expenses incurred in the industry during the calendar year 1923 amounted to \$648,015 which was an increase over the previous year of \$115,396. The principal items of miscellaneous expenses are rents, taxes of all kinds, insurance premiums, telephone charges, advertising and traveling expenses and repairs to buildings and machinery.

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