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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
on the
COCOA AND CHOCOLATE INDUSTRY
in
CANADA
1924

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OTTAWA

1926

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.

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
OTTAWA-- CANADA

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Chief, Census of Industry: J. C. Macpherson.

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA, 1924.

Ottawa, January, 1926.- A report on the Cocoa and Chocolate Industry in Canada is herewith presented for the calendar year 1924. Reports were received from five operating plants of which 2 were in Ontario, 2 in Quebec and 1 in Nova Scotia.

Comparative Summary of Principal Statistics.

Table 1 presents comparative statistics of the industry for the calendar years 1923 and 1924. The total value of production shows a decrease of \$202,142 as compared with 1923.

Table 1.-Principal Statistics, compared, 1923 and 1924.

Principal Statistics	1923	1924
Establishments reporting	No. 5	5
Capital invested	\$ 3,986,501	4,136,225
Employees on salaries -		
Male	No. 74	120
Female	No. 17	20
Total salaries	\$ 174,936	255,639
Employees on wages -		
Male	No. 290	281
Female	No. 259	249
Total wages	\$ 446,372	398,596
Cost of fuel	\$ 43,255	36,074
Power Installation -		
Units	No. 154	156
Capacity	H.P. 2,739	2,805
Cost of Materials	\$ 2,470,598	2,329,025
Gross value of products	\$ 4,042,106	3,839,963
Net value of products	\$ 1,571,508	1,510,938

The following statement shows the total number of men and women employed in the Army and Navy respectively on the 31st March 1908.

TABLE I.—TOTAL NUMBER OF MEN AND WOMEN EMPLOYED IN THE ARMY AND NAVY.

The total number of men employed in the Army on the 31st March 1908 was 218,000, and the total number of women employed in the Army was 1,000. The total number of men employed in the Navy on the 31st March 1908 was 100,000, and the total number of women employed in the Navy was 500.

TABLE II.—TOTAL NUMBER OF MEN AND WOMEN EMPLOYED IN THE ARMY AND NAVY.

The following statement shows the total number of men and women employed in the Army and Navy respectively on the 31st March 1908, and the total number of men and women employed in the Army and Navy respectively on the 31st March 1907.

TABLE III.—TOTAL NUMBER OF MEN AND WOMEN EMPLOYED IN THE ARMY AND NAVY.

Year	Men	Women	Total
1908	218,000	1,000	219,000
1907	210,000	1,000	211,000
1906	205,000	1,000	206,000
1905	200,000	1,000	201,000
1904	195,000	1,000	196,000
1903	190,000	1,000	191,000
1902	185,000	1,000	186,000
1901	180,000	1,000	181,000
1900	175,000	1,000	176,000
1899	170,000	1,000	171,000
1898	165,000	1,000	166,000
1897	160,000	1,000	161,000
1896	155,000	1,000	156,000
1895	150,000	1,000	151,000
1894	145,000	1,000	146,000
1893	140,000	1,000	141,000
1892	135,000	1,000	136,000
1891	130,000	1,000	131,000
1890	125,000	1,000	126,000
1889	120,000	1,000	121,000
1888	115,000	1,000	116,000
1887	110,000	1,000	111,000
1886	105,000	1,000	106,000
1885	100,000	1,000	101,000
1884	95,000	1,000	96,000
1883	90,000	1,000	91,000
1882	85,000	1,000	86,000
1881	80,000	1,000	81,000
1880	75,000	1,000	76,000
1879	70,000	1,000	71,000
1878	65,000	1,000	66,000
1877	60,000	1,000	61,000
1876	55,000	1,000	56,000
1875	50,000	1,000	51,000
1874	45,000	1,000	46,000
1873	40,000	1,000	41,000
1872	35,000	1,000	36,000
1871	30,000	1,000	31,000
1870	25,000	1,000	26,000
1869	20,000	1,000	21,000
1868	15,000	1,000	16,000
1867	10,000	1,000	11,000
1866	5,000	1,000	6,000
1865	0	1,000	1,000

THE COCOA AND CHOCOLATE INDUSTRY IN CANADA, 1924.

Production Statistics.

The quantity and selling value of the various products manufactured by the industry during the calendar year 1924 are given in table 2. Comparative figures for the previous year are also presented. Both cocoa and chocolate show decreased production when compared with 1923 amounting to 986,648 pounds in quantity and to \$333,085 in value. On the other hand cocoa butter while showing an increased production of 37,438 pounds showed a decrease in value of \$7,516. Chocolate confectionery, including bon-bons, chocolate and nut bars, was the only item of the table showing increases in both quantity and value of production, in the former by 662,452 pounds and in the latter by \$144,783.

Table 2.- Products in the Cocoa and Chocolate Industry, 1923 and 1924.

Principal Products	Unit of Measure	1924		1923	
		Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
Cocoa	lb.	1,951,607	583,198	2,590,974	654,095
Cocoa butter	lb.	726,577	185,443	689,139	192,959
Chocolate	lb.	8,222,872	2,053,409	3,570,153	2,315,597
Chocolate confectionery	lb.	3,643,702	1,005,435	2,981,250	860,652
Other products †	lb.	46,695	12,478	81,387	18,803
Total value		-	3,839,963	-	4,042,106

† Includes spices of all kinds, cream of tartar and icings.

CAPITAL INVESTMENT.

The amount of capital invested in the industry for the calendar years 1923 and 1924 is shown under the heads of fixed and working capital for the Dominion in table 3. Fixed capital includes land, buildings, machinery and tools whilst working capital includes materials, fuel and supplies on hand, stocks in process of manufacture and finished products on hand as per inventory and also cash, trading and operating accounts, etc. The increase in total capital invested over 1923 amounted to \$149,724 of which fixed capital amounted to \$77,295 and working capital to \$72,429.

Table 3.- Capital Invested, 1923 and 1924.

Items	1923	1924
Fixed Capital	2,872,119	2,949,414
Working Capital	1,114,382	1,186,811
Total Capital	3,986,501	4,136,225

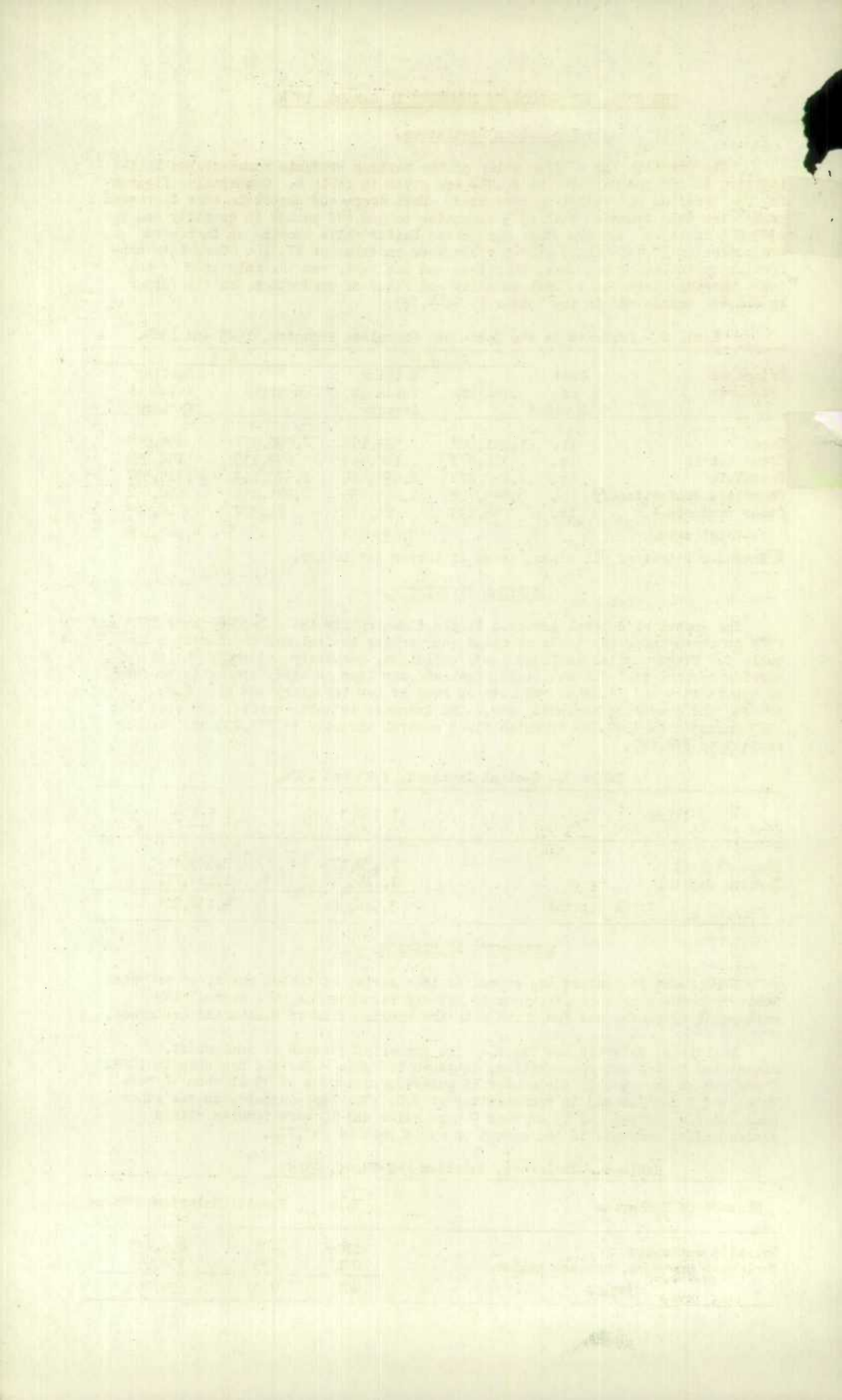
EMPLOYMENT STATISTICS.

Employment statistics are presented in a series of tables the first of which deals with the number of employees by sex and remuneration, the second with employment by months and the third with the working time of plants and employees.

Employees. Salaries and Wages.- The number of persons at employment, classified by sex and remuneration, is shown in table 4 for the Dominion in 1924. There was an increase in the number of salaried employees of 49 of whom 46 were males and 3 females and in remuneration of \$80,723. Wage-earners, on the other hand, show a decrease of 19 of whom 9 were males and 10 were females with a corresponding decrease in the amount of wages paid of \$47,776.

Table 4.- Employees, Salaries and Wages, 1924.

Classes of Employees	Male	Female	Salaries & Wages
Salaried employees	120	20	255,659
Employees on wages, average number	281	249	398,596
TOTALS	401	269	654,255



EMPLOYMENT STATISTICS (contd).

Employment by Months.- The statistics of employment by months of wage-earners is presented in table 5. The month of highest employment was January, when the number on the payroll was 590 of whom 312 were males and 278 females. The month of lowest employment was July with a total enrolment of 479 of whom 259 were males and 220 were females. The average monthly employment for the year was 281 males and 249 females or a total employment of 530.

Table 5.- Employment by months and sex, 1924.

Month	Male	Female	Month	Male	Female
January	312	278	July	259	220
February	286	263	August	267	221
March	294	253	September	288	254
April	284	248	October	287	267
May	266	238	November	284	263
June	271	223	December	277	258
Total number employed during the year				3,375	2,986
Average monthly employment throughout year				281	249

Working Time.- The operating time of plants according to whether on full time, part time or idle together with the hours of labour worked by employees per day or shift and per week is shown in table 6.

Table 6.- Working time of plants and employees, 1924.

Number of plants reporting	5	
	Totals	Averages
Days in Operation -		
On full time	1,185	237.0
On part time	88	17.6
Idle	247	49.4
Hours worked per employee -		
Per day or shift	5,304	9.0
Per week	248	49.6

FUEL CONSUMPTION

The quantity and value delivered at the factory of the various classes of fuel consumed in the industry during 1924 are shown in table 7. The total cost of fuel amounted to \$36,074 which was a decrease of \$7,161 as compared with 1923.

Table 7.- Fuel Consumption, 1924.

Classes of fuel used	Unit of Measure	Quantity	Cost value at the factory.
Bituminous coal	ton	773	5,819
Anthracite coal	"	2,502	26,882
Gas, artificial	m.c.ft.	2,864	3,373
Total cost of fuel	-	-	36,074

POWER INSTALLATION

The power installed is shown by classes in table 8. Primary power consisted of 6 steam engines of a rated h.p. of 265. The total power used in manufacturing in the industry totalled 156 units of 2,805 h.p. as shown in the table. The number of boilers installed for all purposes was 8 with a h.p. capacity of 475. The cost of electric power purchased was \$37,653 or an average per horse power of \$14.82

Table 8. - Power installation, 1924.

Classes of power	Number of Units	Horsepower according to manufacturers' rating
Steam engines and turbines	6	265
Electric motors operated by purchased power	150	2,540
Total power used in manufacturing	156	2,805

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COST OF MATERIALS USED.

The total cost of all classes of materials used by the industry in 1924 amounted to \$2,329,025 as compared with \$2,470,598 in 1923. The quantity and value of the principal materials was not collected on the 1924 questionnaire and owing to its importance from the statistical viewpoint will be resumed in the 1925 and succeeding inquiries.

IMPORTS AND EXPORTS

Imports.- The quantity and value of the raw, partly and fully manufactured articles relating to this industry imported for consumption in Canada are shown in table 9 for the calendar year 1924.

Exports.- There are no exports of cocoa or chocolate in any form reported in the trade returns for the Dominion.

Table 9.- Imports of Cocoa and Chocolate and Preparations, 1924.

Articles by countries		Quantity	Value
Cocoa beans, not roasted, crushed or ground	Total	119,632	1,048,634
United Kingdom	Cwt.	30,754	246,632
United States	"	37,400	381,376
Ceylon	"	4,542	61,031
Br. West Africa	"	14,456	93,358
Jamaica	"	5,065	30,438
Trinidad and Tobago	"	17,531	154,372
Other Br. West Indies	"	9,203	71,321
Other countries	"	661	10,106
Cocoa nibs and shells -	Total	2,485	217
United States	Lb.	2,485	217
Cocoa butter -	Total	5,171,793	1,017,166
United Kingdom	Lb.	313,132	58,239
United States	"	898,943	203,435
Germany	"	1,299,515	237,866
Netherlands	"	2,660,203	517,626
Cocoa paste or liquor, chocolate paste or liquor, not sweetened, in blocks or cakes.-	Total	84,105	16,172
United States	Lb.	83,950	16,124
Other countries	"	155	48
Cocoa and chocolate paste or liquor, sweetened in blocks or cakes, not less than two pounds in weight -	Total	38,306	26,272
United Kingdom	Lb.	56	12
United States	"	58,430	16,184
Other countries	"	29,820	10,076
Cocoa or chocolate, preparations of, in powdered form -	Total	1,314,650	62,309
United Kingdom	Lb.	60,071	13,276
United States	"	1,209,321	40,480
Netherlands	"	42,137	7,521
Other countries	"	3,121	1,032
Cocoa or chocolate, preparations of, n.o.p.	Total	58,170	21,588
United Kingdom	Lb.	15,811	7,178
United States	"	41,750	14,268
Other countries	"	609	142
Total cocoa and chocolate		-	2,194,358

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