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THE MACARONI & VERMICELLI INDUSTRY
in
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STATIONARY ENGINE
CANADA

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA

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THE MACARONI AND VERMICELLI INDUSTRY IN CANADA1920.

Ottawa, March, 1923.- The Dominion Bureau of Statistics presents herewith a report on the Macaroni industry in Canada for the calendar year 1920. The number of concerns reporting was 10, distributed by provinces as follows:- Alberta, 1; Manitoba, 2; Ontario, 4; and Quebec 3.

PRINCIPAL STATISTICS

The principal statistics of the industry are shown as far as permissible by provinces in table (1). The Bureau does not give out individual statistics. This is done by limiting the number of concerns to be compiled in any industry to three, whether in a town or city, a province or the Dominion. The value of production in 1920 amounted to \$1,523,613 for a quantity of 12,955,416 pounds. A summary of production by quantities and value since 1917 shows the following: in 1917 the quantity was 8,188,080 pounds valued at \$1,006,750, in 1918 it rose to 11,209,886 pounds valued at \$1,213,732, in 1919 there was a decrease in the value of production, the figures being 11,375,109 pounds and the value \$1,152,652, while in 1920 the production was as stated above. The value added by manufacture was \$446,161, or 29.3 per cent of the value of production, to which the wages of labour contributed \$212,150 or 47.5 per cent, fuel and miscellaneous expenses \$203,877, or 45.7 per cent, there remaining 6.8 per cent or \$30,134 from which to pay dividends and defray all other charges not included under miscellaneous expenses.

Table (1) - Principal Statistics of the Macaroni Industry by Provinces, 1920.

Items	CANADA	Western Provs.	Ontario	Quebec
Establishments No.	10	3	4	3
Capital \$	1,233,005	117,360	350,672	764,973
Employees on Salaries -				
Male No.	31	4	3	24
Female No.	7	1	-	6
Salaries \$	53,715	8,140	4,700	40,875
Employees on Wages -				
Male Av. No.	132	12	35	85
Female " "	110	18	15	77
Wages " "	158,435	19,680	47,115	91,640
Cost of fuel \$	21,713	2,104	4,179	15,430
Power employed -				
Units No.	61	7	6	48
Capacity H.P.	593	67	122	404
Employed H.P.	494	62	119	313
Miscellaneous expenses ... \$	182,164	18,124	64,704	99,336
Cost of materials \$	1,077,452	121,668	255,119	700,665
Value of products \$	1,523,613	178,511	366,567	978,535
Value added by manufacture \$	446,161	56,843	111,448	277,870

Includes - Alberta 1 and Manitoba 2 plants.

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1920.

PRODUCTION

The production of Macaroni and vermicelli, etc. is shown in table (2) by quantity and selling value at the factory, for each of the provinces and the Dominion. The value in 1920 exceeded that of any previous years by about \$300,000, while, measured by quantity of production, the increase amounted to 1,560,307 pounds when compared with the previous high total of 1919.

Table (2). Production by Provinces, 1920.

Provinces	Macaroni and vermicelli		Pastos		Total	
	Quantity lbs.	Value \$	Quantity lbs.	Value \$	Quantity lbs.	Value \$
CANADA	7,455,416	906,513	5,500,000	617,100	12,955,416	1,523,613
Western Provinces	1,381,973	178,511	-	-	1,381,973	178,511
Ontario	2,890,280	366,567	-	-	2,890,280	366,567
Quebec	3,183,163	361,435	5,500,000	617,100	8,683,163	978,535

CAPITAL

The amount of capital employed in the industry is given by items and provinces in table (3). There was an increase in Capital over 1919 of \$359,563, to which Land, buildings and fixtures contributed \$120,233; Machinery and tools, \$93,172; Materials on hand, stocks in process, etc., \$124,480 and working capital \$21,678.

Table (3) - Capital Investment by items and provinces, 1920

Items of Capital	CANADA \$	Western Provs. \$	Ontario \$	Quebec \$
Land, buildings, fixtures	409,052	53,300	124,997	230,755
Machinery and tools	352,649	30,322	105,899	216,428
Materials on hand, stocks in process, etc.....	378,924	31,378	113,480	234,066
Cash, trading and operating accounts, etc.....	92,380	2,360	6,296	83,724
TOTAL CAPITAL	1,233,005	117,360	350,672	764,973

EMPLOYEES, SALARIES & WAGES

The number of persons employed during the year is shown by classes of employment, sex and salary and wage payments in table (4). There was an increase of 46 in the number employed over 1919 and in salaries and wages paid of \$46,984, when the totals were 234 in the number of employees and \$165,166 in the amount of salaries and wages.

Table (4) - Employees, Salaries and Wages, 1920.

Classes of Employment	No. of Employees		Salaries and Wages \$
	Male	Female	
Officers, superintendents, managers	12	-	24,907
Clerks, stenographers, salesmen, etc.	19	7	28,808
Employees on wages, average number ..	132	110	158,435
TOTAL	163	117	212,150

3.

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1920.

CLASSIFIED WEEKLY WAGES.

Another classification of employees is presented in table (5) showing the number at employment within specified groups of weekly wage payments. The statistics are also shown by sex for Canada and the provinces.

Table (5) Employment by classified groups of weekly wages, 1920.

	CANADA		Western Provs.		Ontario		Quebec	
	Male	Female	Male	F.	Male	Female	Male	Female
Under \$5 per week	-	2	-	-	-	-	-	2
\$5 to under \$10 per week	7	26	-	5	-	5	7	16
\$10 " " \$15 " "	21	47	3	9	3	11	15	27
\$15 " " \$20 " "	14	3	2	1	6	-	6	2
\$20 " " \$24 " "	20	-	2	-	6	-	12	-
\$24 " " \$30 " "	26	-	1	-	10	-	15	-
\$30 per week and over ..	20	-	2	-	12	-	6	-
TOTALS	108	78	10	15	37	16	61	47

MATERIALS USED

The quantity and cost value of all materials delivered at the works during the year is shown in table (6) by provinces, the total value in 1920 being \$1,077,452, as compared with \$657,942 in 1919.

Table (6) - Materials Used 1920

Materials	CANADA		Western Provs.		Ontario		Quebec	
	Quan.	Value \$	Quan.	Value \$	Quan.	Value \$	Quan.	Value \$
Flour bbl.	68,682	835,198	7,243	84,534	15,826	198,954	45,613	551,710
Colouring .. -	-	5	-	-	-	5	-	-
Marina bbl.	200	2,800	-	-	200	2,800	-	-
Lumber B.M.ft.	30,000	1,523	30,000	1,528	-	-	-	-
Containers -	-	235,432	-	34,896	-	51,581	-	-
All other materials -	-	2,489	-	710	-	1,779	-	148,955
TOTALS		1,077,452		121,668		255,119		700,665

FUEL CONSUMPTION

The quantity and cost value at the factory of the classes of fuel consumed during the year is shown in table (7), and amounted to \$21,713 of which \$4,079 was of Canadian origin and \$17,634 of foreign origin.

Table (7) Fuel Consumption by classes, 1920.

Classes of Fuel	Unit of Measure	Quantity	Value \$
Bituminous coal	tons	634	4,493
Anthracite coal	"	1,505	14,175
Wood	cds.	121	1,046
Gas	m.c.ft.	9,072	1,645
Other fuel	-	-	354
TOTAL			21,713

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1920.POWER EMPLOYED

The classes of power employed in the industry in 1920 are shown by the number of units in each class, the indicated horse-power capacity and the number of horse-power actually developed and used.

Table (8) - Power Employed, 1920.

Classes of Power	Units	Horse-power	
		Capacity	Actually used
Engines, gas	1	30	30
Electric motors	60	563	464
TOTALS	61	593	494

MISCELLANEOUS EXPENSES

The cost of overhead or miscellaneous items of expense connected with the industry in 1920 is shown in table (9) and amounted to \$182,164 being an increase over the previous year of \$23,526.

Table (9) - Miscellaneous Expenses, 1920.

Items of Expense	Amount
Rent of offices, works and machinery	\$ 10,341
Rent of power	11,821
Insurance (premiums for year only)	8,381
Taxes, municipal, provincial, federal	9,257
Royalties, use of patents, etc.	-
Advertising expenses	36,492
Travelling expenses	8,030
Repairs to buildings and machinery	27,478
All other sundry expenses	70,364
TOTAL	\$182,164

IMPORTS AND EXPORTS

The quantity and value of Macaroni, etc., imported for consumption, and of goods the produce of Canada exported during the calendar year 1920, is shown by countries in table (10).

Table (10) - Imports and Exports of Macaroni, etc., 1920.

Macaroni, vermicelli and spaghetti	Exports		Imports	
	Quantity lb.	Value \$	Quantity lb.	Value \$
United Kingdom	200	24	2,681,576	305,851
United States	1,064,155	144,942	77,254	6,408
Other countries	66,444	8,683	420,850	48,091
TOTALS	1,130,729	153,649	3,179,680	360,350

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