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DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
on the
MACARONI & VERMICELLI INDUSTRY
in
CANADA
1921 and 1922

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DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA

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THE MACARONI AND VERMICELLI INDUSTRY IN CANADA

1921 and 1922

Ottawa, April, 1924.- The Dominion Bureau of Statistics presents herewith a report on the Macaroni and Vermicelli industry in Canada for the calendar years 1921 and 1922. The number of establishments reporting was the same in each year, viz.- 8, of which the Province of Ontario contributed 4 and Manitoba and Quebec 2 each. In order not to divulge information concerning the operations of individual establishments, statistics for the two latter provinces have been combined and are shown throughout this report under the heading of "other provinces".

PRINCIPAL STATISTICS

The principal statistics of the industry for Canada and the provinces are shown in Table 1. A comparison of the figures relating to production, for the two years under review, show a considerable increase in the quantity of Macaroni made, viz.- from 13,134,019 pounds in 1921 to 14,417,309 pounds in 1922, an increase of 1,283,290 pounds, but there was a marked reduction in the value, from \$1,449,711 to \$1,318,037, a decrease of \$131,674. The cost of materials was also less during 1922 than in the previous year, being \$738,501 in 1922, as against \$820,200 in 1921, a decrease of \$81,699. There was very little variation in the two years, for the items of capital, employees, salaries and wages, and miscellaneous expenses.

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1921 and 1922.

PRINCIPAL STATISTICS (Continued)

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Table 1.- Principal Statistics, by Provinces, 1921-1922

	1 9 2 1			1 9 2 2		
	CANADA	Ontario	Other ¹ Provinces	CANADA	Ontario	Other ¹ Provinces
Establishments No.	8	4	4	8	4	4
Capital investment \$	1,105,095	388,482	716,613	1,054,717	333,479	721,238
Employees on Salaries -						
Male No.	33	8	25	37	7	30
Female No.	9	3	6	9	3	6
Salaries \$	50,290	11,059	39,231	66,125	14,185	51,940
Employees on Wages (Av.No.) -						
Male No.	106	42	64	105	34	71
Female No.	74	19	55	88	19	69
Wages \$	140,145	56,957	83,188	132,722	47,173	85,549
Cost of fuel \$o.	21,609	3,422	18,187	13,824	2,796	11,028
Power installed -						
Units No.	79	35	44	98	47	51
Capacity H.P.	618	249	369	738	254	484
Miscellaneous expenses \$	225,285	125,587	99,698	230,677	123,848	106,829
Cost of materials \$	820,200	330,488	489,712	738,501	363,855	374,646
Value of products \$	1,449,711	547,632	902,079	1,318,037	551,622	766,415
Value added by manufacture \$	629,511	217,144	412,367	579,536	187,767	391,769

¹ Includes - Manitoba 2, and Quebec 2.

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1921-1922.

PRODUCTION

The total output of Macaroni and Vermicelli, etc., is shown in Table 2 by quantity and selling value at the factory, for Canada and the provinces for the calendar years 1921 and 1922. The average selling price per pound fell from 11.04 cents in 1921 to 9.14 cents in 1922.

Table 2.- Production by Provinces, 1921-1922

Provinces	Production of MACARONI, Etc.			
	1 9 2 1		1 9 2 2	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
CANADA	13,134,019	1,449,711	14,417,309	1,318,037
Ontario	5,616,743	547,632	6,125,219	551,622
Other Provinces ...	7,517,276	902,079	8,292,090	766,415

CAPITAL INVESTMENT

The amount of capital employed in the industry is given by items in Table 3 for the Dominion, for the calendar years 1921-1922. There was a slight depreciation in the valuation of land, buildings and fixtures, machinery and tools, and cash, trading and operating accounts, but the value of materials on hand, stocks in process, etc., rose during the same period from \$231,492 to \$248,693, an increase of \$17,201.

Table 3.- Capital Employed, 1921-1922.

Items of Capital	1921	1922
	\$	\$
Land, buildings and fixtures	389,542	385,630
Machinery and tools	328,359	311,719
Materials on hand, stocks in process, etc..	231,492	248,693
Cash, trading and operating accounts	155,702	108,675
TOTAL	1,105,095	1,054,717

EMPLOYEES, SALARIES AND WAGES

The number of persons employed during the calendar years 1921 and 1922 is shown in Table 4 by classes of employment, sex and amount of salary and wage payments. In 1922 there was a net increase in the total number of persons employed of 17 and the payroll was larger to the extent of \$8,412.

Table 4.- Employees, Salaries and Wages, 1921-1922.

Classes of Employment	1 9 2 1			1 9 2 2		
	Employees		Salaries & Wages	Employees		Salaries & Wages
	M.	F.		M.	F.	
	No.	No.	\$	No.	No.	\$
Salaried officers of corporations	1	-	1,300	3	-	4,620
General supts. managers, etc.....	10	-	20,092	9	-	23,875
Technical experts, engineers, accountants, etc..	1	-	900	-	-1	500
Clerks, stenographers, salesmen, etc.....	21	9	27,998	25	3	37,130
Employees on wages, Av. No.	106	74	140,145	105	88	132,722
TOTAL	139	83	190,435	142	97	198,847

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1921-1922.

OTHER LABOUR STATISTICS

Table 5 gives the total and average number of days each establishment was in operation during the years 1921 and 1922, also the number of hours worked by wage earners per day or shift and per week.

Table 5.- Other Labour Statistics, 1921-1922

	1 9 2 1		1 9 2 2	
	8		8	
Number of establishments ...	Total	Average	Total	Average
Days in operation on full time	2,334	291.75	2,199	274.87
Days in operation on part time	-	-	152	19.00
Days idle	98	12.25	81	10.12
Hours worked per day or shift	78	9.75	79	9.87
Hours worked per week	455	56.37	459	57.37

MATERIALS USED

The quantity and cost value of all materials delivered at the works during the years 1921-1922 is shown in Table 6 by provinces. There was a decrease of \$81,699 over the two year period, the principal item being flour, which dropped in price from an average of \$9.38 per barrel in 1921 to \$6.92 per barrel in 1922.

Table 7.- Materials Used, 1921-1922.

Table 7.- Materials Used, 1921-1922.							
Materials	Unit	CANADA		Ontario		Other Provinces	
		Quan.	Value	Quan.	Value	Quan.	Value
<u>1 9 2 1</u>							
Flour.....	bb1.	52,177	489,677	13,900	130,281	38,277	359,396
Breakfast food .	lb.	33,700	148,122	33,700	148,122	-	-
Wheat granules .	bag	-	-	-	-	-	-
Containers, bags, boxes, etc....	-	-	181,499	-	51,183	-	130,316
All other materials	-	-	902	-	902	-	-
TOTAL, 1921			820,200		330,488		489,712
<u>1 9 2 2</u>							
Flour	bb1.	69,138	478,171	25,237	203,896	43,901	274,275
Breakfast food .	lb.	-	-	-	-	-	-
Wheat granules .	bag	26,144	104,576	26,144	104,576	-	-
Containers, bags, boxes, etc.....	-	-	150,710	-	50,899	-	99,811
All other materials	-	-	5,044	-	4,484	-	560
TOTAL, 1922			738,501		363,855		374,646

FUEL CONSUMPTION

The quantity and cost value at the factory of all classes of fuel consumed during the calendar years 1921-1922 is given in Table 7. First in importance in both years was anthracite coal with a total consumption of 1,432 tons valued at \$14,651 in 1921 and 1,039 tons valued at \$7,846 in 1922. Bituminous coal takes second place, for the same period with 476 tons valued at \$3,908 in 1921 and 330 tons worth \$2,704 in 1922.

Table 7.- Fuel Consumption by Classes, 1921-1922.

	Unit of measure	1 9 2 1		1 9 2 2	
		Quantity	Value	Quantity	Value
Bituminous coal	ton	476	3,908	330	2,704
Anthracite coal	"	1,432	14,651	1,039	7,846
Coke	"	-	-	47	212
Gasoline	gal.	-	-	1,477	517
Wood	cd.	99	897	162	1,124
Gas	m.c.ft.	1,130	1,430	1,344	1,421
All other fuel	-	-	723	-	-
TOTAL			21,609		13,824

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1921-1922

MISCELLANEOUS EXPENSES

Table 8 presents miscellaneous or overhead charges, which show a slight increase during 1922 over the previous year, amounting to \$5,392. Owing to changes made in the general schedule for 1922, manufacturers were not required to itemize their miscellaneous expenses for that year.

Table 8.- Miscellaneous Expenses, 1921-1922

Items of Expense	1921	1922
	\$	\$
Rent of offices, works and machinery	9,893)	230,677
Rent of power	8,033)	
Insurance (premiums for year only)	9,730)	
Taxes, all kinds	12,274)	
Advertising expenses	30,452)	
Travelling expenses	11,108)	
Repairs to buildings and machinery	14,950)	
All other sundry expenses	128,845)	
TOTAL	225,285	230,677

POWER INSTALLATION

Table 9 shows by classes the power installed during 1921 and 1922 the number of units in each class and the indicated horse-power according to manufacturers' rating.

Table 9.- Power Installed, 1921-1922

Classes of Power	1 9 2 1		1 9 2 2	
	Units No.	Horsepower Capacity	Units No.	Horsepower Capacity
Steam engines and turbines	-	-	2	115
Gas engines	1	44	-	-
Electric motors	78	574	96	623
TOTAL	79	618	98	738

IMPORTS AND EXPORTS

Table 10 gives by countries the quantity and value of all macaroni, vermicelli and spaghetti imported and exported during the calendar years 1921 and 1922.

Table 10.- Imports and Exports of Macaroni, etc., 1921-1922.

Articles	United Kingdom		United States		Other Countries	
	Quantity	Value	Quantity	Value	Quan.	Value
	lb.	\$	lb.	\$	lb.	\$
<u>IMPORTS</u>						
Macaroni, vermicelli & spaghetti 1921	-	-	765,574	84,318	212,528	21,340
1922	290	32	1,084,327	99,474	119,664	12,481
<u>EXPORTS</u>						
Macaroni, vermicelli & spaghetti 1921	3,013,572	300,941	463	63	303,700	32,796
1922	599,264	40,293	26,450	2,763	95,062	8,891



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