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DEPARTMENT OF TRADE AND COMMERCE
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CENSUS OF INDUSTRY

REPORT
on the
MACARONI & VERMICELLI INDUSTRY
in
CANADA
1928

Published by Authority of the Hon. James Malcolm, M.P.,
Minister of Trade and Commerce

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NOTE.- The statistics published in the present statement include only the statistics of such manufacturing establishments as make macaroni and vermicelli as their principal product. The Statistics relating to specific products are therefore not to be regarded as comprehensive, as these products are also found as secondary products of other industries such as biscuits and confectionery and pickles, sauces etc.

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

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

THE MACARONI AND VERMICELLI INDUSTRY IN CANADA, 1928.

Ottawa, October, 1929. A report is herewith presented on the production of macaroni and vermicelli in Canada during the calendar year 1928. The number of establishments reporting rose from 9 in 1923 to 11 in 1924, 1925, 1926, 1927 and 1928 which were located by provinces as follows:- Ontario 4, Quebec 3, Manitoba 2, Alberta 1, British Columbia 1. In order to prevent disclosure of information concerning individual establishments, statistics for the last three provinces have been combined and are shown through this report under the head of Western provinces. A summary of the principal statistics of the industry is given in Table I compared for the calendar years 1927 and 1928.

Table I.- Principal Statistics, 1927 and 1928.

		1928	1927
Establishments	No.	11	11
Capital investment	\$	1,250,832	1,239,819
Employees on salaries - male	No.	49	42
female	No.	14	12
salaries	\$	89,120	81,748
Employees on wages (average number) - male	No.	130	130
female	No.	106	121
wages	\$	157,301	161,501
Cost of fuel	\$	7,754	10,555
Power installation - units	No.	206	194
capacity	h.p.	904	974
Cost of materials	\$	902,958	970,402
Gross value of products	\$	1,476,171	1,547,359
Net value of products	\$	573,213	576,957

Production

The quantity and value of macaroni, vermicelli, etc., produced during the calendar years 1927 and 1928 is given by provinces in Table II. There was a decrease both in the quantity produced and in the selling value of the product. In 1927 the amount was reported at 19,104,677 pounds valued at \$1,489,918, whilst in the period covered by this report the quantity fell to 18,662,465 pounds worth \$1,423,746, a decrease of 442,212 pounds with a decrease in selling value of \$66,172. Other products to the value of \$57,441 were reported in 1927 and \$52,425 in 1928.

Table II.- Production, by provinces, 1927 and 1928.

Classes of Products	Canada		Quebec		Ontario		Western Provinces	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Lb.	\$	Lb.	\$	Lb.	\$	Lb.	\$
<u>1928</u>								
Macaroni, vermicelli, etc.	18,662,465	1,423,746	12,436,979	923,474	4,258,953	336,343	1,966,533	163,929
Other products	640,846	52,425	640,846	52,425	-	-	-	-
Total Value	-	1,476,171	-	975,899	-	336,343	-	163,929
<u>1927</u>								
Macaroni, vermicelli, etc.	19,104,677	1,489,918	11,810,492	937,657	5,577,565	413,407	1,716,620	138,854
Other products	-	57,441	-	57,441	-	-	-	-
Total Value	-	1,547,359	-	995,098	-	413,407	-	138,854

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Capital Investment

The capital employed in the industry during the calendar year 1928 is given by provinces in Table III. The total capitalization rose from \$1,239,819 in 1927 to \$1,250,832 in 1928, an increase of \$11,013. Of the total capitalization the province of Quebec contributed \$768,188 being 61.33 per cent of the total capital investment in the Dominion.

Table III.- Capital investment by provinces, 1928.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, fixtures, machinery and tools	Materials on hand, stocks in process.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
CANADA	824,659	225,668	200,505	1,250,832
Quebec	502,715	129,089	136,384	768,188
Ontario	223,074	65,889	37,247	326,210
Western Provinces	98,870	30,690	26,874	156,434

Employees, Salaries and Wages

The number of persons employed in the industry during the calendar year 1928 is given in Table IV by (a) classes of employment, (b) sex and (c) salary and wage payments. The total number of employees fell from 305 in 1927 to 299 in 1928, a decrease of 6, whilst the payroll rose from \$243,249 in 1927 to \$246,421 in 1928, an increase of \$3,172.

Table IV.- Employees, salaries and wages, 1928.

Classes of employment	Male	Female	Salaries and Wages
	No.	No.	\$
Employees on salaries	49	14	89,120
Employees on wages (average number)	130	106	157,301
TOTAL	179	120	246,421

Other Employment Statistics

The number of days the establishments were in operation during the calendar year 1928 together with the number of hours per day and per week normally worked by wage-earners is shown in Table V (a). The number of wage-earners employed during the same period are given by sex and by months in Table V (b). Employment reached the peak in January when 264 persons were on the payroll whilst the least number reported was 175 in the month of December.

Table V(a).- Days in operation and hours worked, 1928.

Number of establishments in operation	11	
	Total	Average
Days in operation on full time	2,952	268.36
Days in operation on part time	60	5.46
Days idle	332	30.18
Number of hours worked by wage-earners per day	104	9.45
Number of hours worked by wage-earners per week	611	55.55

The following table shows the results of the survey conducted in 1961. The data is presented in two columns: the first column lists the various types of vegetation, and the second column shows the percentage of the total area covered by each type. The total area surveyed was 1000 hectares.

Table 1. - Results of the survey conducted in 1961.	
Vegetation Type	Percentage of Total Area
Forest	45.0
Shrubland	30.0
Grassland	15.0
Wetland	5.0
Barren Land	5.0
Total	100.0

The following table shows the results of the survey conducted in 1962. The data is presented in two columns: the first column lists the various types of vegetation, and the second column shows the percentage of the total area covered by each type. The total area surveyed was 1000 hectares.

Table 2. - Results of the survey conducted in 1962.	
Vegetation Type	Percentage of Total Area
Forest	40.0
Shrubland	35.0
Grassland	10.0
Wetland	5.0
Barren Land	10.0
Total	100.0

The following table shows the results of the survey conducted in 1963. The data is presented in two columns: the first column lists the various types of vegetation, and the second column shows the percentage of the total area covered by each type. The total area surveyed was 1000 hectares.

Table 3. - Results of the survey conducted in 1963.	
Vegetation Type	Percentage of Total Area
Forest	35.0
Shrubland	40.0
Grassland	15.0
Wetland	5.0
Barren Land	5.0
Total	100.0

Other Employment Statistics - Con.

Table V(b).- Wage-earners by Months, 1928.

Months	Male No.	Female No.	Months	Male No.	Female No.
January	141	123	July	128	97
February	140	117	August	114	81
March	141	116	September	123	86
April	142	120	October	122	85
May	132	105	November	106	89
June	131	112	December	96	79
Total				1,516	1,210
Average number employed during the year				130	106

The number and percentage of wage-earners in month of highest employment working specified hours is shown in Tables VI(a) and VI(b) for Canada and the provinces. From Table VI(a) it appears that the ten hour day prevails in the industry for Canada and the provinces of Quebec and Ontario, whilst in the Western Provinces the prevailing rate is almost evenly divided between the eight and nine hour day.

Table VI(a) Hours Worked by Wage-earners in Month of Highest Employment, 1928.

Province	Wage-earners in month of highest employment working per day of -				Percentage of wage-earners working per day of -			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
CANADA	20	39	225	-	7.04	13.73	79.23	-
Quebec	-	-	180	-	-	-	100.00	-
Ontario	-	18	45	-	-	28.57	71.43	-
Western Provinces	20	21	-	-	48.78	51.22	-	-

The hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in Table VI(b). It should be noted that the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled from the month of highest employment, whilst those in column 4 and 5 represent the total and average standard weekly hours of labour for the number of establishments reporting to the Bureau.

The average daily hours of labour computed on the above basis was for the Dominion 9.72, whilst the average of standard weekly hours worked out at 55.55 per establishment.

Table VI(b) - Hours of labour per day and per week, 1928.

Provinces	Total hours worked and total number of wage-earners in month of highest employment.			Standard working hours per week per plant.	
	Total hours	Total Wage- earners	Average hours per day per wage-earner.	Total	Average
CANADA	2,761	284	9.72	611	55.55
Quebec	1,800	180	10.00	175	58.33
Ontario	512	63	9.71	240	60.00
Western Provinces	349	41	8.51	196	49.00

Materials Used.

The cost of all materials used in the industry during the calendar years rose from \$795,203 in 1925 to \$960,373 in 1926, to \$970,402 in 1927 but fell in 1928 to \$902,958, an increase of \$165,173 in 1926, of \$10,029 in 1927, but a decrease of \$67,444 in 1928. Of the total expenditure for all materials used Quebec accounted for \$613,568 or 68.5 per cent. Statistics for 1928 are given in the summary table following.

Kind	Unit of Measure	Quantity	Cost Value
Flour, semolina, etc.	Lb.	18,320,955	\$ 685,390
Other Materials	-	-	65,455
Containers, packaging materials, etc.	-	-	152,113
Total	-	-	902,958

Fuel Consumption

The quantity and cost of all fuel consumed in the industry during the calendar year 1928 is given in Table VII. Fuel costs amounted in 1928 to \$7,754, a decrease of \$2,801 from the previous year.

Table VII.- Fuel Consumption, 1928.

Kinds of fuel	Unit of Measure	Quantity	Cost Value \$
Bituminous coal	ton	798	4,365
Anthracite coal	"	285	1,821
Lignite coal	"	60	240
Coke	"	4	62
Oil (fuel)	gallon	7,550	1,069
Wood	cord	4	16
Gas, manufacture	M cu. ft.	159	181
Total	-	-	7,754

Power Installation

The power employed in the industry during the calendar year 1928 is given in Table VIII. The only class of power reported was electric motors operated by purchased power, whose total rose from 163 units with 847 horse power capacity in 1926 to 193 units with 944 horse power in 1927, but fell in capacity in 1928 by 40 horse power, although the number of units increased by 13.

Table VIII.- Power Installation, 1928.

Classes of power	Number of Units	Horse-power Capacity
Electric motors operated by purchased power	206	904

1000
1000
1000

1000

1000

1000

1000

1000

1000

1000

Imports and Exports

The quantity and value of macaroni, vermicelli and spaghetti imported into and exported from Canada during the calendar year 1928 is given in Table IX by principal countries.

Table IX.- Imports and Exports of Macaroni, etc., 1928.

Articles and Countries	Quantity Lbs.	Value \$
Imports -		
Macaroni and vermicelli-		
United Kingdom	738	94
United States	2,402,418	219,237
France	98,642	6,545
Italy	66,708	4,797
Other Countries	58,976	5,590
Totals	2,627,482	236,263
Exports -		
Macaroni and vermicelli -		
United Kingdom	170,530	13,277
United States	-	-
Bermuda	42,065	3,145
Barbados	10,015	761
Jamaica	28,770	2,338
Trinidad and Tobago	51,504	4,327
Other British West Indies	2,265	210
British Guiana	8,558	715
Newfoundland	53,712	4,518
New Zealand	259,643	21,493
Other Countries	9,617	813
Totals	636,679	51,597

APPENDIX

MANUFACTURERS OF MACARONI, SPAGHETTI, VERMICELLI, ETC., 1928.

Catelli Macaroni Products Corporation, Ltd.,	305 Bellechasse St., Montreal, Quebec.
Jude Delisle & Frere,	Three Rivers, Quebec.
Catelli Macaroni Products Corporation, Ltd.,	5510 St. Dominique St., Montreal, Quebec.
Dominion Macaroni Company, Ltd.	254 Welland Ave. , St. Catharines, Ont.
Catelli Macaroni Products Corporation, Ltd.,	Yate & Salina Sts., St. Catharines, Ont.
Dominico Strano, Esq.	Huntsville, Ontario.
Catelli Macaroni Products Corporation, Ltd.,	91 Center Street, Toronto, Ontario.
Catelli Macaroni Products Corporation, Ltd.,	254 Dumoulin Street, St. Boniface, Man.
Marius & Company,	471 De Lamorenie Street, St. Boniface, Man.
Catelli Macaroni Products Corporation, Ltd.,	Lethbridge, Alberta.
FarKay Noodle Factory,	433 Georgia Street East, Vancouver, B. C.

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