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# MACARONI MANUFACTURERS

## 1961

The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

### ANNUAL CENSUS OF MANUFACTURES

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### **SYMBOLS**

The interpretation of the symbols used in the tables throughout this publication is as follows:

- ... figures not appropriate or not applicable.
- nil or zero.

## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1961, are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category but will be shown separately in subsequent years.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, handling, warehousing and delivery staff. Employees on new construction work, in retail or wholesale operations, on outside piece work, etc., are not included.



Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### **Salaries and Wages**

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included with salaries, but will be shown separately in subsequent years. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### **Cost of Fuel and Electricity**

Figures for fuel refer to amounts actually used (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the establishment including freight, duty, etc.

### **Materials and Supplies Used**

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### **Factory Shipments**

Factory shipments generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested

on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

### **Value added by Manufacturing**

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

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<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

### Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and inter-

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.



# MACARONI MANUFACTURERS

1961

In the preceding pages of Explanatory Notes a concise outline has been presented on factors applicable to and comprised in the tabular matter compiled for this publication. The revised Standard Industrial Classification and the new concept of the establishment (reporting unit; see Explanatory Notes page 3) apply to 1961 and succeeding Annual Census of Manufactures reports. Implementation of both features has necessitated adjustments to the statistics. To maintain comparability of principal

statistics for recent years a special insertion, with applied adjustments back to 1957 is shown in Table 1.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in this report. It is planned to resume publication of these tables in the 1962 reports. The tables affected are the following: List of firms—Imports—Exports—Capital and Repair Expenditures.

**TABLE 1. Principal Statistics of Macaroni Manufacturers, Significant Years  
1926 - 60 and by Provinces 1957 - 61**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Fuel and electricity	Cost at works of materials used	Value added by manufacture	Gross selling value of shipments
Basis: Standard Industrial Classification up to and including 1960							
	number		dollars				
1926 .....	11	317	250,469	28,937	960,373	571,200	1,560,510
1932 .....	14	206	199,975	36,161	560,734	456,694	1,053,589
1939 .....	16	398	348,287	58,225	929,957	1,019,839	2,008,021
1941 .....	17	430	405,659	78,649	1,141,376	721,801	1,941,826
1943 .....	16	585	651,904	104,797	1,736,082	1,324,838	3,165,717
1944 .....	16	494	660,727	90,702	1,418,347	1,095,916	2,604,965
1947 .....	18	703	1,133,224	112,133	3,468,816	2,382,209	5,963,158
1948 .....	17	676	1,289,074	120,986	4,827,220	2,805,352	7,753,558
1949 .....	16	552	1,104,316	97,604	3,423,153	2,382,376	5,903,133
1950 .....	16	554	1,147,773	109,356	4,006,110	2,985,477	7,100,943
1951 <sup>1</sup> .....	15	571	1,259,310	123,986	4,438,767	3,501,282	8,064,035
1952 .....	13	558	1,397,762	138,776	4,587,616	3,809,928	8,536,320
1953 .....	14	553	1,399,242	146,364	4,787,233	3,191,101	8,124,698
1954 .....	14	609	1,573,338	129,908	5,941,868	3,311,813	9,384,765
1955 .....	17	672	1,758,135	156,629	5,971,292	3,846,453	9,896,911
1956 .....	17	658	1,875,760	192,094	6,711,530	5,222,770	12,021,712
1957 .....	18	692	1,824,635	208,379	6,995,205	6,038,101	13,293,796
1958 .....	19	778	2,186,790	217,713	8,746,196	6,811,026	15,851,237
1959 .....	18	761	2,341,219	246,716	8,690,387	7,503,079	16,385,142
1960 .....	17	833	2,475,624	271,991	9,355,474	8,360,038	17,801,834

See footnotes at end of table.



**TABLE 1. Principal Statistics of Macaroni Manufacturers, Significant Years  
1926-60 and by Provinces 1957-61 - Concluded**

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Fuel and electricity	Cost at works of materials used	Value added by manufacture	Gross selling value of shipments
Basis: Revised Standard Industrial Classification and New Establishment Concept							
	number					dollars	
<b>1957</b>							
Canada .....	16	677	1,801,056	205,915	6,960,869	6,055,355	13,222,139
Ontario .....	7	209	570,356	62,684	2,669,726	1,821,971	4,554,381
Quebec .....	4	468	1,230,700	143,231	4,291,143	4,233,384	8,667,758
Manitoba .....	2						
Alberta .....	1						
British Columbia .....	2						
<b>1958</b>							
Canada .....	17	763	2,160,500	214,820	8,707,869	6,757,740	15,762,806
Ontario .....	7	224	720,782	66,065	3,939,775	1,908,312	5,988,067
Quebec .....	5	537	1,439,718	148,755	4,768,094	4,849,428	9,774,739
Manitoba .....	2						
Alberta .....	1						
British Columbia .....	2						
<b>1959</b>							
Canada .....	16	746	2,312,121	243,494	8,648,886	7,450,044	16,288,424
Ontario .....	7	257	862,055	89,687	3,847,439	2,351,747	6,284,684
Quebec .....	4	489	1,450,066	153,807	4,801,447	5,098,297	10,003,740
Manitoba .....	2						
Alberta .....	1						
British Columbia .....	2						
<b>1960</b>							
Canada .....	17	833	2,475,624	271,991	9,355,474	8,364,038	17,801,834
Ontario .....	8	327	1,007,297	87,970	3,987,284	3,262,339	7,277,795
Quebec .....	4	506	1,468,327	184,021	5,368,190	5,101,699	10,524,039
Manitoba .....	2						
Alberta .....	1						
British Columbia .....	2						
<b>1961</b>							
Canada .....	18	856	2,603,012	289,871	10,027,078	8,672,786	18,800,089
Ontario .....	9	389	1,239,618	119,907	4,810,592	3,931,202	8,678,924
Quebec .....	4	467	1,363,394	169,964	5,216,486	4,741,584	10,121,165
Manitoba .....	2						
Alberta .....	1						
British Columbia .....	2						

<sup>1</sup> Prior to 1952 the basis of collection was gross value of products instead of gross value of shipments.

**Note:** Profits or losses cannot be estimated from Census figures as no data are collected for expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.



TABLE 2. Inventory Values 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total inventory
	dollars			
Opening inventory: <sup>1</sup>				
Ontario .....	596,923	2,696	138,521	738,140
Quebec .....	252,943	—	2,025	254,968
Other provinces .....	119,111	6,673	57,330	183,114
Canada .....	968,977	9,369	197,876	1,176,222
Closing inventory:				
Ontario .....	1,017,954	2,411	321,583	1,341,948
Quebec .....	288,055	—	2,593	290,648
Other provinces .....	120,818	3,431	66,873	191,122
Canada .....	1,426,827	5,842	391,049	1,823,718

<sup>1</sup> The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments, which did not operate during 1961, changes in classification, and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments of Dry Macaroni, Spaghetti, etc., All Industries, 1952 - 61

Year	Quantity	Selling value at factory
	pounds	\$
1952 .....	68,803,796	8,471,903
1953 .....	70,850,564	8,086,417
1954 .....	75,768,141	9,083,624
1955 .....	80,191,437	9,539,212
1956 .....	91,293,936	11,241,180
1957 .....	90,878,222	12,239,688
1958 .....	113,923,150	14,761,196
1959 .....	111,043,134	15,247,529
1960 .....	114,694,993	16,414,081
1961 .....	119,289,769	17,926,887

TABLE 4. Materials Used by Macaroni Manufacturers, 1961

Materials	Quantity	Cost value at factory
		\$
Eggs ..... doz.	443,841	256,770
Eggs frozen ..... lb.	472,715	185,275
Egg powder ..... "	3,880	3,337
Flour, all kinds (including semolina)..... "	118,981,371	5,865,770
Food colouring..... "	5,948	14,959
Milk powder ..... "	900	90
Oils, vegetable ..... "	494,172	78,650
Oils other, shortening, etc., ..... "	460	113
Salt ..... "	91,800	1,676
Spices ..... "	169,175	70,063
Sugar ..... "	52,000	3,630
Tomato paste ..... "	881,350	174,259
Vegetables dehydrated, all kinds ..... "	19,360	7,639
Vitamins ..... "	...	11,554
All other materials <sup>1</sup> ..... "	...	407,806
Containers and packaging materials..... "	...	2,586,670
Operating, maintenance and repair supplies..... "	...	346,756
Amount paid to others for work done on materials owned by reporting establishments..... "	...	12,061
<b>Total cost of materials</b> .....		<b>10,027,078</b>

<sup>1</sup> No detailed information on materials used was collected from small establishments. The total estimated value of materials used by these establishments was \$261,281 and this amount is included in "All other materials".

TABLE 5. Employees and their Earnings, by Province, 1960 and 1961

	Supervisory and office employees			Production workers			Total employees		Total earnings
	Male	Female	Total salaries	Male	Female	Total wages	Male	Female	Salaries and wages
	number		\$	number		\$	number		\$
<b>1960</b>									
Canada .....	70	37	638,177	425	301	1,837,447	495	338	2,475,624
Ontario .....	25	12	249,572	149	141	757,725	174	153	1,007,297
Other provinces .....	45	25	388,605	276	160	1,079,722	321	185	1,468,327
<b>1961</b>									
Canada .....	63	36	581,521	451	306	2,021,491	514	342	2,603,012
Ontario .....	30	16	298,177	185	158	941,441	215	174	1,239,618
Other provinces .....	33	20	283,344	266	148	1,080,050	299	168	1,363,394

TABLE 6. Production Workers, by Months, 1961

Month	Male	Female	Total
January .....	446	320	766
February .....	463	310	773
March .....	453	313	766
April .....	434	292	726
May .....	438	290	728
June .....	446	310	756
July .....	455	310	765
August .....	461	294	755
September .....	452	314	766
October .....	451	304	755
November .....	455	313	768
December .....	448	312	760
Averages per month .....	451	306	757

Note: The monthly detail of production workers was not collected from small establishments. Annual averages reported by these establishments were included in each month's total.

TABLE 7. Principal Statistics of Macaroni Manufacturers grouped according to the Number of Employees 1960 and 1961

Employee groups	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number			dollars		
<b>1960</b>						
Under 5 employees .....	3	59	135,171	14,238	328,274	603,954
5 to 14 employees .....	5					
15 to 49 " .....	6					
50 to 99 " .....	1	774	2,340,453	257,753	9,027,200	17,197,880
200 to 499 " .....	2					
<b>Totals .....</b>	<b>17</b>	<b>833</b>	<b>2,475,624</b>	<b>271,991</b>	<b>9,355,474</b>	<b>17,801,834</b>
<b>1961</b>						
Under 5 employees .....	2	74	183,199	18,111	476,838	860,082
5 to 14 employees .....	7					
15 to 49 " .....	6					
50 to 99 " .....	1	782	2,419,813	271,760	9,550,240	17,940,007
200 to 499 " .....	2					
<b>Totals .....</b>	<b>18</b>	<b>856</b>	<b>2,603,012</b>	<b>289,871</b>	<b>10,027,078</b>	<b>18,800,089</b>

**TABLE 8. Principal Statistics of Macaroni Manufacturers, grouped according to the Size of Shipments, 1960 and 1961**

Shipment size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of products
	number		dollars			
<b>1960</b>						
Under \$10,000 .....	1	7	11,026	1,695	23,281	47,747
\$ 25,000-\$ 49,999 .....	2					
50,000- 99,999 .....	3	30	56,268	5,184	132,488	223,489
100,000- 199,999 .....	2	55	156,299	11,686	346,494	656,849
200,000- 499,999 .....	2					
500,000 and over .....	7	741	2,252,031	253,426	8,853,211	16,873,649
<b>Totals .....</b>	<b>17</b>	<b>833</b>	<b>2,475,624</b>	<b>271,991</b>	<b>9,355,474</b>	<b>17,801,834</b>
<b>1961</b>						
Under \$10,000 .....	1	11	19,978	2,369	36,828	74,733
\$ 25,000-\$ 49,999 .....	2					
50,000- 99,999 .....	3	34	70,331	4,723	143,015	231,429
100,000- 199,999 .....	3	71	206,018	25,456	673,825	1,028,109
200,000- 499,999 .....	2					
500,000 and over .....	7	740	2,306,685	257,323	9,173,410	17,465,818
<b>Totals .....</b>	<b>18</b>	<b>856</b>	<b>2,603,012</b>	<b>289,871</b>	<b>10,027,078</b>	<b>18,800,089</b>

**TABLE 9. Principal Statistics of Macaroni Manufacturers grouped by Type of Ownership, 1960 and 1961**

Type of ownership	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
<b>1960</b>						
Individual ownership .....	3	57	133,437	18,739	597,519	1,049,629
Partnerships .....	3					
Incorporated companies .....	11	776	2,342,187	253,252	8,757,955	16,752,205
<b>Totals .....</b>	<b>17</b>	<b>833</b>	<b>2,475,624</b>	<b>271,991</b>	<b>9,355,474</b>	<b>17,801,834</b>
<b>1961</b>						
Individual ownership .....	3	86	220,578	22,293	807,360	1,196,600
Partnerships .....	4					
Incorporated companies .....	11	770	2,382,434	267,578	9,219,718	17,603,489
<b>Totals .....</b>	<b>18</b>	<b>856</b>	<b>2,613,012</b>	<b>289,871</b>	<b>10,027,078</b>	<b>18,800,089</b>



TABLE 10. Fuel Consumption, 1961

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: <sup>1</sup>		
Bituminous coal:		
(a) From Canadian mines .....	ton 310	4,720
(b) Imported .....	—	—
Sub-bituminous coal (from Alberta mines only) .....	—	—
Anthracite coal .....	—	—
Lignite coal .....	ton 280	2,223
Coke .....	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal. 113,678	44,132
Fuel oil including kerosene or coal oil .....	" 1,438,503	136,801
Wood .....	—	—
Gas:		
(a) Liquefied petroleum gases .....	—	—
(b) Other manufactured gas .....	—	—
(c) Natural gas .....	M cu. ft. 26,426	8,819
Other fuel .....	—	—
Electricity purchased .....	kwh. 9,098,320	83,945
Steam purchased .....	—	—
2. Estimate for establishments for which no data were collected: <sup>2</sup>		
Cost of fuel and electricity .....	—	9,231
3. All establishments:		
Total cost of fuel and electricity .....	—	289,871

<sup>1</sup> Large establishments.<sup>2</sup> Small establishments.





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