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**BUTTON, BUCKLE AND FASTENER INDUSTRY**  
**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 available.
- ... figures not appropriate or not applicable.
- P** preliminary figures.

## 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, air craft, 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.

<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.



## BUTTON, BUCKLE AND FASTENER INDUSTRY

1961

For the 1961 survey year, the Bureau implemented a New Establishment Concept, bringing about certain revisions to this industry. This implementation of a new definition of the establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. In order to maintain comparability of the principal statistics (Table 1) for recent years, the necessary adjustments were applied to the data back to 1957. (See also Explanatory Notes).

It should be noted that, in view of the changes outlined above, only 1961 data have been shown throughout this report with the exception of Tables 1 and 4. This industry is defined as comprising those "Establishments primarily engaged in manufacturing buttons, buckles and fasteners" and these commodities are also made, as secondary products only, by establishments classified to other industries. For this reason, a new table, Table 4, has been added to this report showing the shipments of these products by all industries in 1960 and 1961.

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.



TABLE 1. Principal Statistics Representative Years, 1926 - 60 and by Provinces, 1961

Year and province	Estab- lish- ments reporting	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value added by manufacture	Value of shipments <sup>1</sup>
Basis: Standard Industrial Classification in use prior to 1960							
	number		dollars				
1926 .....	13	556	459,040	19,107	358,979	710,867	1,088,953
1930 .....	12	397	339,591	15,727	199,766	486,977	702,470
1937 .....	21	839	670,814	30,064	634,647	925,731	1,590,442
1938 .....	21	736	572,858	27,843	498,674	862,066	1,388,583
1939 .....	24	811	662,403	31,387	598,352	1,068,049	1,697,788
1940 .....	22	988	887,602	41,477	1,025,774	1,457,137	2,524,388
1941 .....	25	1,144	1,064,805	46,881	1,274,223	1,877,811	3,198,915
1943 .....	25	1,032	1,313,899	55,163	1,428,330	2,337,689	3,821,182
1944 .....	20	896	1,259,446	60,398	1,280,740	2,096,745	3,437,883
1945 .....	21	944	1,348,191	55,116	1,479,301	2,214,270	3,748,687
1946 .....	18	986	1,468,667	59,309	1,757,419	2,480,099	4,296,827
1947 .....	29	1,966	3,301,975	82,731	3,447,013	5,759,715	9,289,459
1948 .....	31	1,844	3,373,681	69,301	3,078,233	5,888,891	9,036,425
1949 .....	34	1,682	3,374,644	69,598	3,115,444	4,821,028	8,006,070
1950 .....	38	1,698	3,529,893	80,849	3,455,976	6,239,707	9,776,532
1951 .....	41	1,622	3,706,435	84,492	3,882,116	6,121,090	10,087,698
1952 .....	45	1,679	3,969,929	94,487	4,436,224	6,486,117 <sup>2</sup>	11,016,828
1953 .....	45	1,741	4,460,154	104,386	4,598,548	6,751,442 <sup>2</sup>	11,454,376
1954 .....	44	1,592	4,138,450	115,798	4,420,926	6,249,338	10,759,859
1955 .....	45	1,569	4,102,266	124,701	5,096,486	6,583,795	12,096,620
1956 .....	47	1,555	4,420,935	140,743	6,005,793	6,603,000	13,129,630
1957 .....	46	1,612	4,587,098	136,800	5,626,162	7,843,988	13,202,829
1958 .....	44	1,522	4,515,296	143,754	5,558,366	7,597,249	13,086,245
1959 .....	44	1,536	4,730,841	133,484	5,964,063	7,690,111	13,952,033
Basis: Revised Standard Industrial Classification and New Establishment Concept <sup>3</sup>							
	number		dollars				
1957 .....	45	1,626	4,603,497	135,188	5,537,872	..	13,183,373
1958 .....	43	1,537	4,542,858	139,738	5,439,001	7,760,879	13,141,650
1959 .....	43	1,537	4,729,478	133,749	5,788,183	7,721,529	13,807,836
1960 .....	42	1,509	4,828,803	132,963	5,800,244	7,839,951	13,867,125
1961							
Quebec .....	32	937	2,527,526	70,895	3,674,715	4,560,991	8,339,358
Ontario .....	8	622	2,303,097	67,650	2,310,445	3,527,893	5,819,067
Canada .....	40	1,559	4,830,623	138,545	5,985,160	8,088,884	14,158,425

<sup>1</sup> Figures, up to and including 1951, represent the value of production.

<sup>2</sup> Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "Value added by manufacture".

<sup>3</sup> The implementation of a new definition of the establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. In order to maintain comparability of the principal statistics for recent years, the necessary adjustments were applied to the data back to 1957. (See also Explanatory Notes).



**TABLE 2. Inventories,<sup>1</sup> 1961**

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening: <sup>2</sup>				
Quebec .....	870, 213	316, 253	675, 483	1, 861, 949
Ontario .....	640, 723	488, 259	756, 617	1, 885, 599
<b>Canada .....</b>	<b>1, 510, 936</b>	<b>804, 512</b>	<b>1, 432, 100</b>	<b>3, 747, 548</b>
Closing:				
Quebec .....	853, 109	300, 268	658, 711	1, 812, 088
Ontario .....	564, 875	601, 145	730, 652	1, 896, 672
<b>Canada .....</b>	<b>1, 417, 984</b>	<b>901, 413</b>	<b>1, 389, 363</b>	<b>3, 708, 760</b>

<sup>1</sup> Book value of all manufacturing inventories held at plant and plant warehouses.

<sup>2</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 in 1961, changes in classification, and the implementation of the New Establishment Concept.

**TABLE 3. Factory Shipments, 1961**

Principal products	Quantity	Value
		\$
Buttons, all kinds .....	...	3, 195, 037
Buckles, all kinds .....	...	<sup>1</sup>
Fasteners, zipper .....	113, 121, 885	8, 688, 265
Fasteners, other (including zipper sliders; hooks and eyes; and hook and eye tape) .....	...	1, 272, 634
Brooches, clips, pins and other ornaments .....	...	109, 297
All other products (including novelties, belts, hardware parts, etc) .....	...	897, 405
<b>Total value of shipments .....</b>	...	<b>14, 162, 638</b>
Less adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity equipment items detailed above .....		4, 213
<b>Total value of shipments (adjusted) .....</b>		<b>14, 158, 425</b>

<sup>1</sup> Included in "All other products".

**TABLE 4. Factory Shipments of Buttons, Buckles and Fasteners in all Industries, 1960 and 1961<sup>P</sup>**

Principal products	1960		1961 <sup>P</sup>	
	Quantity	Value	Quantity	Value
		\$		\$
Buttons:				
Covered .....	19, 708	104, 992		<sup>1</sup>
Metal .....	219, 579	237, 762	164, 516	116, 915
Plastic (celluloid, casein, lucite, etc) .....	3, 394, 621	2, 437, 209	3, 699, 937	3, 034, 844
Other .....	...	1, 053, 295	...	334, 041
Buckles, all kinds .....	...	211, 319	...	249, 619
Fasteners, zipper .....	104, 993, 506	8, 863, 468	113, 121, 885	8, 688, 265
Fasteners, other than zipper .....	...	1, 350, 783	...	1, 183, 385
Fastener parts .....	...	102, 879	...	102, 432
<b>Total value of shipments .....</b>	...	<b>14, 361, 707</b>	...	<b>13, 709, 501</b>

<sup>1</sup> Included in "Buttons, other".

TABLE 5. Materials Used, 1961

Materials	Value
	\$
Materials used <sup>1</sup> .....	5, 231, 658
Containers and other packaging materials or supplies .....	222, 515
Operating, maintenance, and repair supplies, not including fuel .....	429, 738
Amount paid out of others for work on materials owned by these plants .....	101, 249
<b>Total cost of materials and supplies used .....</b>	<b>5, 985, 160</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 in 1961 was \$97,709 and this amount has been included in "Materials used".

TABLE 6. Employees and their Earnings, by Provinces, 1961

Province	Employees					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Quebec .....	70	48	320	499	937	676, 199	1, 851, 327	2, 527, 526
Ontario .....	95	89	249	189	622	782, 751	1, 520, 346	2, 303, 097
<b>Canada .....</b>	<b>165</b>	<b>137</b>	<b>569</b>	<b>688</b>	<b>1, 559</b>	<b>1, 458, 950</b>	<b>3, 371, 673</b>	<b>4, 830, 623</b>

TABLE 7. Production Workers, by Months, 1961

Month	Male	Female
January .....	568	700
February .....	570	687
March .....	573	681
April .....	564	665
May .....	560	658
June .....	560	678
July .....	543	675
August .....	565	679
September .....	571	686
October .....	583	718
November .....	582	698
December .....	565	661
<b>Monthly averages<sup>1</sup> .....</b>	<b>569</b>	<b>688</b>

<sup>1</sup> The monthly detail of production workers was not collected from medium and small establishments. Quarterly detail and annual averages reported, respectively, by these establishments were included in each month's totals.

**TABLE 8. Principal Statistics, grouped by Size of Establishment, 1961**

Size of shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
	number		dollars			
Under \$25,000 .....	4	6	12,131	385	18,600	49,420
\$ 25,000 to \$ 49,999 .....	9	65	138,434	3,222	152,958	371,029
50,000 " 99,999 .....	7	103	235,611	7,758	236,383	528,850
100,000 " 199,999 .....	3	28	56,159	1,153	197,504	353,316
200,000 " 499,999 .....	12	464	1,262,924	50,441	1,943,175	4,397,839
500,000 and over .....	5	893	3,125,364	75,586	3,436,540	8,457,971
<b>Totals .....</b>	<b>40</b>	<b>1,559</b>	<b>4,830,623</b>	<b>138,545</b>	<b>5,985,160</b>	<b>14,158,425</b>

**TABLE 9. Principal Statistics, classified according to Type of Ownership, 1961**

Type of ownership	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
	number		dollars			
Individual ownership .....	11	77	178,154	2,541	284,855	523,177
Partnership .....	3	16	33,036	1,639	36,217	97,446
Incorporated companies .....	26	1,466	4,619,433	134,365	5,664,088	13,537,802
<b>Totals .....</b>	<b>40</b>	<b>1,559</b>	<b>4,830,623</b>	<b>138,545</b>	<b>5,985,160</b>	<b>14,158,425</b>

**TABLE 10. Principal Statistics, grouped by Number of Employees, 1961**

Group size	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
	number		dollars			
Under 5 employees .....	6	13	30,603	798	49,002	117,065
5 to 14 " .....	13	97	248,903	10,269	348,891	824,892
15 " 49 " .....	14	441	1,180,864	42,660	2,005,255	4,219,844
Over 49 " .....	7	1,008	3,370,253	84,818	3,582,012	8,996,624
<b>Totals .....</b>	<b>40</b>	<b>1,559</b>	<b>4,830,623</b>	<b>138,545</b>	<b>5,985,160</b>	<b>14,158,425</b>

**TABLE 11. Fuel and Electricity, 1961**

Kind	Quantity	Value
		\$
<b>1. Establishments reporting commodity detail:<sup>1</sup></b>		
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	15,596
Fuel oil including kerosene or coal oil .....	" "	17,105
Natural gas .....	Mcf.	11,900
Other fuel .....	" "	5,257
Electricity purchased .....	kwh.	77,978
<b>2. Establishments reporting group detail:<sup>2</sup></b>		
Cost of fuel .....	...	2,912
Cost of electricity .....	...	5,170
<b>3. Estimate for establishments for which no data were collected:<sup>3</sup></b>		
Cost of fuel and electricity .....	...	2,627
<b>4. All establishments:</b>		
Total cost of fuel and electricity .....	...	138,545

<sup>1</sup> Large establishments.

<sup>2</sup> Medium-size establishments.

<sup>3</sup> Small establishments

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