

CATALOGUE No.

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ANNUAL



# PEN AND PENCIL AND TYPEWRITER SUPPLIES 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

DOMINION BUREAU  
OF STATISTICS

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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.
- nil or zero.
- <sup>p</sup> preliminary figures.
- <sup>r</sup> revised 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, 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.



# PEN AND PENCIL AND TYPEWRITER SUPPLIES MANUFACTURERS

1961

## SECTION 1. PEN AND PENCIL MANUFACTURERS, 1961

For the 1961 survey year, the Bureau implemented a New Establishment Concept, bringing about minor 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).

In view of the minor changes to this industry, as outlined above, both 1960 and 1961 data have

been shown in many of the tables in this section of the report. However, it should be noted that these 1960 industry data, with the exception of Table 1, are based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

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

TABLE 1. Principal Statistics, Pen and Pencil Manufacturers, Representative Years, 1926 - 61

Year and province	Estab- lish- ments	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 .....	3	185	211,885	4,778	373,255	705,404	1,083,437
1929 .....	6	364	433,174	5,635	954,917	1,889,332	2,849,884
1933 .....	10	334	364,265	16,155	633,843	801,982	1,451,980
1937 .....	9	545	566,478	17,277	950,914	1,245,869	2,214,060
1939 .....	9	591	629,831	18,289	909,776	1,214,442	2,142,507
1941 .....	10	686	777,782	24,382	1,231,840	1,857,674	3,113,896
1945 .....	10	1,315	1,892,220	31,242	2,627,912	4,253,146	6,912,300
1946 .....	10	1,462	1,963,245	36,836	4,223,043	5,696,637	9,956,516
1947 .....	10	1,426	2,326,043	39,034	3,522,684	5,344,271	8,905,989
1948 .....	12	1,248	2,148,127	45,149	2,682,930	3,695,583	6,423,662
1949 .....	15	1,221	2,328,167	43,221	2,972,524	6,657,965	9,673,710
1950 .....	18	1,133	2,421,360	51,220	3,435,080	5,385,851	8,872,151
1951 .....	20	1,122	2,669,218	59,009	4,239,976	5,515,281	9,814,266
1952 .....	20	1,080	2,670,986	60,585	3,755,188	5,657,987 <sup>2</sup>	9,473,760
1953 .....	17	1,169	2,903,588	66,904	4,115,356	6,514,328 <sup>2</sup>	10,696,588
1954 .....	17	1,066	3,039,155	75,913	4,219,594	6,584,899	10,702,089
1955 .....	17	1,040	2,713,923	78,496	5,164,258	6,053,119	11,458,847
1956 .....	18	1,103	3,042,807	82,465	5,554,392	7,154,410	12,487,650
1957 .....	18	1,145	3,410,853	87,765	5,651,632	7,838,336	13,218,019
1958 .....	17	1,138	3,382,285	87,156	5,504,538	6,925,517	12,654,239
1959 .....	16	1,082	3,561,982	87,633	5,542,835	7,733,578	13,232,667
Basis: Revised Standard Industrial Classification and New Establishment Concept <sup>3</sup>							
	number		dollars				
1957 .....	18	1,163	3,478,955	87,865	5,691,490	..	13,342,735
1958 .....	17	1,158	3,444,399	87,841	5,544,981	6,989,296	12,766,946
1959 .....	15	1,094	3,597,777	87,313	5,549,835	7,735,185	13,248,666
1960							
Quebec and Alberta <sup>4</sup> .....	10	483	1,567,032	28,552	2,499,626	3,283,580	5,842,822
Ontario .....	9	618	2,149,478	56,472	3,412,588	4,372,531	8,097,151
Canada .....	19	1,101	3,716,510	85,024	5,912,214	7,656,111	13,939,973
1961							
Quebec .....	9	471	1,472,983	34,510	2,886,955	3,585,120	6,667,915
Ontario .....	9	611	2,257,217	56,270	3,558,134	4,764,618	8,383,171
Canada .....	18	1,082	3,730,200	90,780	6,445,089	8,349,738	15,051,086

<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).<sup>4</sup> Quebec 9; Alberta 1.

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 .....	598,412	425,462	478,916	1,502,790
Ontario .....	1,133,230	690,790	821,909	2,545,929
<b>Canada .....</b>	<b>1,731,642</b>	<b>1,116,252</b>	<b>1,300,825</b>	<b>4,148,719</b>
Closing:				
Quebec .....	550,420	265,289	477,759	1,293,468
Ontario .....	1,118,418	670,963	837,587	2,626,968
<b>Canada .....</b>	<b>1,668,838</b>	<b>936,252</b>	<b>1,315,346</b>	<b>3,920,436</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, 1960 and 1961

Products	1960 <sup>1</sup>		1961	
	Quantity	Value	Quantity	Value
		\$		\$
Fountain pens ..... doz.	118,281	2,876,259	121,938	2,053,729
Fountain pen nibs, holders and other parts .....	...	255,526	...	336,857
Ball point pens ..... doz.	2,367,637	4,015,030	3,487,018	4,969,293
Refills for ball point pens and liquid lead pencils ..... "	1,514,823	910,411	2,643,403	1,115,354
Non-mechanical pencils, black lead..... gross	499,120	2,173,008	435,522	2,382,571
Non-mechanical pencils, other.....	1	1	1	1
Pencils, mechanical ..... doz.	101,958	543,979	79,257	496,296
Leads for pencils .....	...	100,941	...	106,121
Desk sets ..... doz.	8,678	194,331	11,743	233,018
Other stationery supplies .....	...	2,664,344 <sup>2</sup>	...	3,180,162
All other products .....	...	162,005 <sup>2</sup>	...	177,274
Amount received for repairs .....	...	25,864	...	36,942
<b>Total shipments .....</b>	<b>...</b>	<b>13,921,698</b>	<b>...</b>	<b>15,087,617</b>
Less adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above .....				36,531
<b>Total shipments (adjusted) .....</b>				<b>15,051,086</b>

<sup>1</sup> Based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

<sup>2</sup> Included in "Other stationery supplies".

TABLE 4. Materials Used, 1960 and 1961

Principal materials	1960 <sup>1</sup>	1961
	Value	Value
	\$	\$
Rubber .....	148,185	81,590
Pyralin .....	1,786	—
Plastics .....	391,418	176,079
Crayon materials .....	226,496	147,479
Gold .....	283,910	37,725
Gold leaf .....	21,870	9,768
Gold tubing and sheets .....	13,275	—
Silver .....	32,994	9,323
Brass .....	27,091	55,992
Iridium .....	11,094	3,302
Leads .....	498,370	505,920
Ink and ink ingredients .....	49,580	165,723
Pen and pencil parts .....	2,508,852	3,104,309
Glue .....	12,326	16,329
Lacquer .....	80,362	90,210
Wood .....	390,024	441,321
Containers and other packaging materials and supplies .....	725,831	861,719
Operating, maintenance and repair supplies .....	179,339	198,916
All other materials and supplies <sup>2</sup> .....	294,911	539,384
<b>Totals .....</b>	<b>5,897,714</b>	<b>6,445,089</b>

<sup>1</sup> Based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

<sup>2</sup> No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$55,250 in 1960 and \$75,165 in 1961: these amounts have been included in "All other materials and supplies".

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

Province	Employees					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1960 <sup>1</sup>								
Quebec and British Columbia .....	63	41	138	229	471	562, 223	967, 974	1, 530, 197
Ontario .....	126	91	98	303	618	1, 166, 828	982, 650	2, 149, 478
Canada .....	189	132	236	532	1, 089	1, 729, 051	1, 950, 624	3, 679, 675
1961								
Quebec .....	57	35	134	245	471	523, 564	949, 419	1, 472, 983
Ontario .....	130	95	94	292	611	1, 209, 579	1, 047, 638	2, 257, 217
Canada .....	187	130	228	537	1, 082	1, 733, 143	1, 997, 057	3, 730, 200

<sup>1</sup> Based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

TABLE 6. Production Workers, by Months, 1961

Month	Male	Female
January .....	234	514
February .....	240	524
March .....	230	507
April .....	226	524
May .....	224	545
June .....	231	559
July .....	223	545
August .....	229	549
September .....	225	569
October .....	224	572
November .....	232	539
December .....	230	482
Monthly averages <sup>1</sup> .....	228	537

<sup>1</sup> 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, grouped by Size of Establishment, 1960 and 1961

Shipment size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
	number		dollars			
1960 <sup>1</sup>						
\$ 10,000 to \$ 24,999 .....	1	18	57,246	751	36,276	114,964
25,000 " 49,999 .....	3					
50,000 " 99,999 .....	1	44	97,208	4,289	156,869	350,247
100,000 " 199,999 .....	2					
200,000 " 499,999 .....	3	86	280,415	5,508	593,834	1,100,593
500,000 " 999,999 .....	5	353	1,120,688	28,875	1,537,430	3,288,803
1,000,000 and over .....	5	552	1,883,940	45,906	3,573,305	9,067,091
Head offices .....	...	36	240,178	...	...	...
Totals .....	20	1,089	3,679,675	85,324	5,897,714	13,921,698
1961						
\$ 10,000 to \$ 24,999 .....	1	42	111,066	5,024	127,526	330,773
25,000 " 49,999 .....	—					
50,000 " 99,999 .....	1	124	384,197	11,578	751,468	1,572,323
100,000 " 199,999 .....	2					
200,000 " 499,999 .....	4	344	1,047,409	29,185	1,609,305	3,604,555
500,000 " 999,999 .....	5	533	1,936,608	44,993	3,956,790	9,543,435
1,000,000 and over .....	5	533	1,936,608	44,993	3,956,790	9,543,435
Head offices .....	...	39	250,920	...	...	...
Totals .....	18	1,082	3,730,200	90,780	6,445,089	15,051,086

<sup>1</sup> Based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

TABLE 8. Principal Statistics, classified according to Type of Ownership, 1960 and 1961

Type of ownership	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
1960 <sup>1</sup>	number		dollars			
Individual ownership .....	2	24	51,528	1,290	55,250	151,178
Partnership .....	1					
Incorporated companies .....	17	1,065	3,328,147	84,034	5,842,464	13,770,520
<b>Totals</b> .....	<b>20</b>	<b>1,089</b>	<b>3,679,675</b>	<b>85,324</b>	<b>5,897,714</b>	<b>13,921,698</b>
1961	number		dollars			
Individual ownership .....	2	1,082	3,730,200	90,780	6,445,089	15,051,086
Partnership .....	—					
Incorporated companies .....	16					
<b>Totals</b> .....	<b>18</b>	<b>1,082</b>	<b>3,730,200</b>	<b>90,780</b>	<b>6,445,089</b>	<b>15,051,086</b>

<sup>1</sup> Based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

TABLE 9. Principal Statistics, grouped by Number of Employees, 1960 and 1961

Group size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
1960 <sup>1</sup>	number		dollars			
Under 5 employees .....	1	45	123,614	4,240	156,645	368,454
5 to 14 employees .....	5					
15 " 49 " .....	5	145	434,159	11,752	875,959	1,705,557
50 " 99 " .....	5	312	1,053,863	28,389	2,595,420	5,829,680
100 and over .....	4	551	1,827,861	40,943	2,269,690	6,018,007
Head offices .....	...	36	240,178	...	...	...
<b>Totals</b> .....	<b>20</b>	<b>1,089</b>	<b>3,679,675</b>	<b>85,324</b>	<b>5,897,714</b>	<b>13,921,698</b>
1961	number		dollars			
Under 5 employees .....	1	27	63,685	4,074	92,526	225,773
5 to 14 employees .....	2					
15 " 49 " .....	7	233	742,167	29,955	1,320,470	2,898,511
50 " 99 " .....	5	379	1,310,948	30,964	3,162,778	7,191,326
100 and over .....	3	404	1,362,480	25,787	1,869,315	4,735,476
Head offices .....	...	39	250,920	...	...	...
<b>Totals</b> .....	<b>18</b>	<b>1,082</b>	<b>3,730,200</b>	<b>90,780</b>	<b>6,445,089</b>	<b>15,051,086</b>

<sup>1</sup> Based on the revised 1960 Standard Industrial Classification without revisions for the New Establishment Concept.

TABLE 10. Fuel and Electricity, 1961

Kind	Quantity	Cost at plant
1. Establishments reporting commodity detail: <sup>1</sup>		\$
Bituminous coal:		
(a) From Canadian mines .....	ton	—
(b) Imported .....	459	7,013
Anthracite coal .....	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	7,897
Fuel oil including kerosene or coal oil .....	256,915	29,042
Gas:		
(a) Liquefied petroleum gases .....	"	146
(b) Other manufactured gas .....	—	—
(c) Natural gas .....	M cu. ft.	17
Electricity purchased .....	kwh.	44,841
2. Estimate for establishments for which no data were collected: <sup>2</sup>		
Costs of fuel and electricity .....	...	1,824
3. All establishments:		
Total cost of fuel and electricity .....	...	90,780

<sup>1</sup> Large establishments.

<sup>2</sup> Small establishments.

## SECTION 2. TYPEWRITER SUPPLIES MANUFACTURERS, 1961

The implementation of the New Establishment Concept for the 1961 survey has not brought about any revisions to this industry as a scrutiny of Table 11 will reveal. For this reason, both 1960 and 1961 data have been shown in many of the tables in this section of the report.

The two main products of this industry, namely carbon paper and office machine ribbons, are also made, as secondary products, by establishments classified to other industries. The shipments of these commodities by all industries for both 1960 and 1961 are shown in Table 13. Other products made by this industry such as duplicator supplies,

bookkeeping and other office machine rolls, and carbon ink were shipped by less than three firms and these shipments are, therefore, confidential. For these reasons, no detailed breakdown of shipments by the industry has been given.

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

TABLE 11. Principal Statistics, Typewriter Supplies Manufacturers, Representative Years, 1927-61  
Basis: Revised Standard Industrial Classification and New Establishment Concept

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value added by manufacture	Value of shipments <sup>1</sup>
	number				dollars		
1927 .....	4	86	159,148	6,754	236,561	291,702	535,017
1930 .....	4	110	191,623	7,688	354,228	413,944	775,860
1932 .....	5	116	206,611	7,687	220,095	370,691	598,473
1937 .....	8	177	304,769	8,509	406,152	508,012	922,673
1939 .....	8	234	371,586	10,145	553,664	667,200	1,231,009
1940 .....	8	243	419,184	10,001	703,740	618,105	1,331,846
1942 .....	8	313	544,670	13,673	1,104,621	1,037,669	2,155,963
1945 .....	8	306	568,151	17,530	1,255,348	1,085,730	2,358,608
1946 .....	8	334	620,274	18,432	1,442,410	1,261,401	2,722,243
1948 .....	8	372	760,726	25,043	1,729,542	1,960,323	3,714,908
1949 .....	7	396	885,086	26,236	1,916,789	1,921,239	3,864,264
1950 .....	7	427	911,674	31,322	2,174,991	1,998,895	4,205,208
1951 .....	7	397	1,023,355	29,884	2,375,846	1,955,279	4,361,009
1952 .....	8	431	1,142,437	40,180	2,177,550	2,266,661 <sup>2</sup>	4,474,391
1953 .....	10	445	1,227,504	32,850	2,401,040	2,588,004 <sup>2</sup>	5,021,894
1954 .....	10	409	1,211,327	36,595	2,256,261	2,525,928	4,837,619
1955 .....	10	395	1,216,459	35,601	2,510,102	2,582,566	5,120,176
1956 .....	9	430	1,260,265	41,706	2,883,424	2,899,091	5,810,198
1957 .....	9	435	1,414,443	47,772	3,151,084	3,020,218	6,135,100
1958 .....	9	418	1,405,117	51,812	2,978,720	2,986,893	6,043,444
1959 .....	9	418	1,454,254	55,791	3,290,258	3,264,130	6,563,245
1960							
Quebec and British Columbia <sup>3</sup> .....	4	75	257,546	9,309	493,335	526,392	1,030,835
Ontario .....	6	359	1,332,958	46,594	3,153,412	2,474,089	5,595,425
Canada .....	10	434	1,590,504	55,903	3,646,747	3,000,481	6,626,260
1961							
Quebec and British Columbia <sup>3</sup> .....	4	78	256,931	13,917	601,452	597,804	1,212,297
Ontario .....	6	360	1,383,438	43,962	3,269,237	2,437,290	5,740,903
Canada .....	10	438	1,640,369	57,879	3,870,689	3,035,094	6,953,200

<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> Quebec 3; British Columbia 1.

TABLE 12. Inventories,<sup>1</sup> 1961

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening: <sup>2</sup>				
Quebec and British Columbia .....	194,288	33,054	34,095	261,437
Ontario .....	648,310	279,139	214,289	1,141,738
Canada .....	842,598	312,193	248,384	1,403,175
Closing:				
Quebec and British Columbia .....	222,471	29,728	38,296	290,495
Ontario .....	678,358	290,688	212,326	1,181,372
Canada .....	900,829	320,416	250,622	1,471,867

<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, and changes in classification.

TABLE 13. Shipments of Selected Commodities in All Industries, 1960 and 1961<sup>P</sup>

Commodity	1960	1961 <sup>P</sup>
	dollars	
Carbon paper, all types .....	3,923,830	4,233,150
Ribbons, office equipment (typewriter, etc.) .....	1,994,725	2,041,762

TABLE 14. Materials Used, 1960 and 1961

Principal materials	1960		1961	
	Quantity	Value	Quantity	Value
		\$		\$
Ribbon cloth .....	53,326,161 <sup>r</sup>	510,405	58,682,615	591,096
Paper, all kinds .....	2,687	1,318,526	2,858	1,438,948
Wax, carnauba .....	527,419	248,474	476,783	217,143
Wax, other .....	342,000	34,200	309,118	30,912
Colours and dyes .....	441,050	227,301	395,794	198,040
Oils .....	64,737	30,128	66,973	26,789
Ribbon spools .....	...	63,991	...	80,227
Ink materials .....	...	29,680	89,662	47,406
Containers and other packaging materials and supplies .....	...	119,511	...	124,585
Operating, maintenance and repair supplies .....	...	99,908	...	79,697
All other materials and supplies <sup>1</sup> .....	...	964,623	...	1,035,846
Total .....	...	3,646,747	...	3,870,689

<sup>1</sup> No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$135,500 in 1960 and \$135,000 in 1961: these amounts have been included in "All other materials and supplies".

TABLE 15. Employees and their Earnings, by Provinces, 1960 and 1961

Province	Employees					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
1960	number					dollars		
Quebec and British Columbia .....	13	13	25	24	75	129,860	127,686	257,546
Ontario .....	55	40	168	96	359	526,054	806,904	1,332,958
Canada .....	68	53	193	120	434	655,914	934,590	1,590,504
1961								
Quebec and British Columbia .....	11	13	32	22	78	117,089	139,842	256,931
Ontario .....	55	34	173	98	360	564,882	818,556	1,383,438
Canada .....	66	47	205	120	438	681,971	958,398	1,640,369

TABLE 16. Production Workers, by Months, 1961

Month	Male	Female
	number	
January .....	199	118
February .....	198	118
March .....	201	121
April .....	201	119
May .....	204	121
June .....	208	123
July .....	205	124
August .....	206	123
September .....	204	118
October .....	204	114
November .....	209	120
December .....	209	123
<b>Monthly averages<sup>1</sup> .....</b>	<b>205</b>	<b>120</b>

<sup>1</sup> 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 17. Principal Statistics, grouped by Size of Establishment, 1960 and 1961

Shipment size	Estab-lish-ments	Total em-ployees	Salaries and wages	Cost of fuel and electricity	Cost of materials used	Value of shipments
	number		dollars			
<b>1960</b>						
\$ 50,000 to \$ 99,999 .....	1	18	62,822	3,117	173,134	317,464
100,000 " 199,999 .....	2					
200,000 " 499,999 .....	2	111	417,278	19,581	815,079	1,608,962
500,000 " 999,999 .....	2					
1,000,000 and over .....	3	305	1,110,404	33,205	2,658,534	4,699,834
<b>Totals .....</b>	<b>10</b>	<b>434</b>	<b>1,590,504</b>	<b>55,903</b>	<b>3,646,747</b>	<b>6,626,260</b>
<b>1961</b>						
\$ 50,000 to \$ 99,999 .....	1	21	98,183	2,561	177,278	353,178
100,000 " 199,999 .....	2					
200,000 " 499,999 .....	2	109	437,004	25,675	958,407	1,834,414
500,000 " 999,999 .....	2					
1,000,000 and over .....	3	308	1,105,182	29,643	2,735,004	4,765,608
<b>Totals .....</b>	<b>10</b>	<b>438</b>	<b>1,640,369</b>	<b>57,879</b>	<b>3,870,689</b>	<b>6,953,200</b>



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**TABLE 18. Principal Statistics, grouped by Number of Employees,  
1960 and 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			
<b>1960</b>						
5 to 14 employees .....	3	18	62,822	3,117	173,134	317,464
15 " 49 " .....	4	111	417,278	19,581	815,079	1,608,962
50 " 99 " .....	1	303	1,110,404	33,205	2,658,534	4,699,834
100 and over .....	2					
<b>Totals .....</b>	<b>10</b>	<b>434</b>	<b>1,590,504</b>	<b>55,903</b>	<b>3,646,747</b>	<b>6,626,260</b>
<b>1961</b>						
5 to 14 employees .....	3	21	98,183	2,561	177,278	353,178
15 " 49 " .....	4	109	437,004	25,675	958,407	1,834,414
50 " 99 " .....	1	308	1,105,182	29,643	2,735,004	4,765,608
100 and over .....	2					
<b>Totals .....</b>	<b>10</b>	<b>438</b>	<b>1,640,369</b>	<b>57,879</b>	<b>3,870,689</b>	<b>6,953,200</b>

**TABLE 19. Fuel and Electricity, 1961**

Kind	Quantity	Cost at plant
		\$
<b>1. Establishments reporting commodity detail:<sup>1</sup></b>		
Bituminous coal:		
(a) From Canadian mines .....	—	—
(b) Imported .....	300 ton	6,600
Gasoline (including gasoline used in cars and trucks) .....	1,145 Imp. gal.	480
Fuel oil including kerosene or coal oil .....	194,518 "	25,831
Gas:		
(a) Liquefied petroleum gases .....	—	—
(b) Other manufactured gas .....	—	—
(c) Natural gas .....	1,024 M cu.ft.	973
Electricity purchased .....	1,390,845 kwh.	21,615
<b>2. Estimate for establishments for which no data were collected:<sup>2</sup></b>		
Cost of fuel and electricity .....	...	2,380
<b>3. All establishments:</b>		
Total cost of fuel and electricity .....	...	57,879

<sup>1</sup> Large establishments.

<sup>2</sup> Small establishments.