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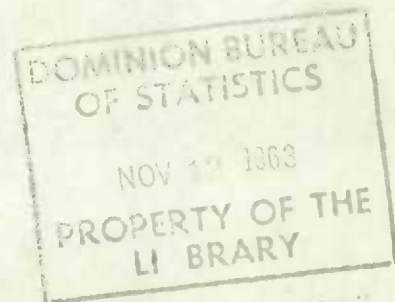
# MANUFACTURERS OF PLASTICS AND SYNTHETIC RESINS

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.
- 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.



# MANUFACTURERS OF PLASTICS AND SYNTHETIC RESINS

1961

Data presented in this report under the heading of Manufacturers of Plastics and Synthetic Resins reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the new Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of 1961 industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Manufacturers of Plastics and Synthetic Resins in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing synthetic resins in such forms as powders, granules, flakes, liquids or simple sheets. This industry also includes establishments primarily engaged in manufacturing transparent cellulose film; however, establishments primarily engaged in making film as such from purchased resins are classified in the Plastic Fabricators, n.e.s. industry. Not all producers of synthetic resins are included in this industry as some concerns make synthetic resins as secondary or minor products, or as intermediates for the further use of the producer, e.g., in the manufacture of laminates, paints, etc. Statistics relating to the latter have been included in the appropriate industries which are reviewed in separate bulletins.

The introduction of the new definition of establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated some adjustments to the statistics. In the case of the industry under review Table 1B reflects the adjustments on account of the new concept changes, for the years 1957 to 1961.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in the reports issued in the Census of Manufactures. It is planned to resume publication of these tables in the 1962 reports. In general, the tables affected are the following: Directory of Firms, Imports, Exports, Capital and Repair Expenditures, and Factory Shipments (from All Industries).

**Note:** In addition to changes resulting from implementation of the revised Standard Industrial Classification and the New Establishment Concept, the 1960 and 1961 figures coincidentally happen to reflect the effect of a change in industry classification of one of the major establishments in this industry so that this fact should be taken into account in any comparison of the 1960-1961 data with earlier years.

**TABLE 1 A. Principal Statistics of the Primary Plastics Industry, Significant Years, 1948 - 59**

Basis: Standard Industrial Classification in use prior to 1960

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Gross selling value of products
	number			dollars			
1948 .....	12	1, 149	2, 770, 529	331, 932	7, 630, 498	8, 478, 317	16, 440, 747
1949 .....	14	1, 286	3, 496, 087	461, 318	10, 897, 184	9, 663, 717	21, 022, 219
1954 .....	22	2, 808	11, 190, 653	1, 685, 824	30, 973, 562	26, 892, 324	58, 881, 800
1955 .....	23	3, 036	12, 332, 507	1, 490, 621	40, 264, 982	33, 760, 502	75, 052, 166
1956 .....	25	3, 260	13, 855, 172	1, 703, 084	46, 911, 807	34, 886, 821	82, 738, 552
1957 .....	29	3, 443	15, 709, 733	1, 995, 912	48, 088, 585	42, 475, 576	91, 836, 820
1958 .....	34	3, 435	16, 255, 231	2, 832, 055	52, 091, 681	42, 565, 649	97, 802, 453
1959 .....	34	3, 469	17, 079, 990	3, 330, 095	57, 802, 935	43, 779, 167	103, 538, 744

**Note:** Separate statistics for this industry were not compiled before 1947.

**TABLE 1B. Principal Statistics, Manufacturers of Plastics and Synthetic Resins,  
by Provinces, 1957-61**

Basis: Revised Standard Industrial Classification and New Establishment Concept.

Year and province	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments
	number		dollars				
<b>1957</b>							
Quebec .....	6	1,383	6,460,510	692,298	13,144,874	<sup>1</sup>	25,195,906
Ontario .....	13	756	3,163,447	531,132	15,096,639	<sup>1</sup>	23,384,181
Alberta .....	4	491	2,342,056	445,170	5,268,680	<sup>1</sup>	13,903,332
British Columbia .....	3	94	363,451	40,061	3,280,945	<sup>1</sup>	5,345,386
<b>Canada .....</b>	<b>26</b>	<b>2,724</b>	<b>12,329,464</b>	<b>1,706,661</b>	<b>36,791,138</b>	<sup>1</sup>	<b>67,828,805</b>
<b>1958</b>							
Quebec .....	7	1,357	6,723,400	693,130	13,826,116	11,186,699	25,631,907
Ontario .....	14	773	3,395,854	612,958	16,929,173	8,463,437	25,970,710
Alberta .....	4	496	2,431,585	449,958	5,778,077	9,141,852	15,884,012
British Columbia .....	3	86	408,573	37,963	3,594,693	2,359,721	6,011,751
<b>Canada .....</b>	<b>28</b>	<b>2,712</b>	<b>12,959,412</b>	<b>1,794,009</b>	<b>40,128,059</b>	<b>31,151,709</b>	<b>73,498,380</b>
<b>1959</b>							
Quebec .....	7	1,239	6,430,805	711,533	13,754,198	10,155,774	25,428,161
Ontario .....	14	808	3,711,987	668,134	18,911,176	9,736,150	29,018,672
Alberta .....	4	502	2,539,266	561,966	7,868,774	10,417,997	17,642,113
British Columbia .....	3	99	491,299	39,673	3,492,493	1,988,008	5,582,683
<b>Canada .....</b>	<b>28</b>	<b>2,648</b>	<b>13,173,357</b>	<b>1,981,306</b>	<b>44,026,641</b>	<b>32,297,929</b>	<b>77,671,629</b>
<b>1960<sup>2</sup></b>							
Quebec .....	8	1,792	9,715,680	1,743,544	23,086,055	25,451,237	50,065,538
Ontario .....	15	1,046	5,242,508	914,292	21,618,342	8,821,585	30,958,966
Alberta .....	4	498	2,913,804	699,245	7,962,748	10,999,994	19,216,317
British Columbia .....	3	98	488,792	42,382	3,721,393	2,118,989	5,957,921
<b>Canada .....</b>	<b>30</b>	<b>3,434</b>	<b>18,360,784</b>	<b>3,399,463</b>	<b>56,388,538</b>	<b>47,391,805</b>	<b>106,198,742</b>
<b>1961<sup>2</sup></b>							
Quebec .....	8	1,714	9,737,933	1,882,844	25,021,879	25,376,170	51,667,339
Ontario .....	15	1,051	5,494,038	1,022,731	23,816,024	10,687,331	34,702,026
Alberta .....	4	494	2,931,370	706,634	7,409,916	9,033,566	17,923,464
British Columbia .....	4	66	343,621	44,256	4,001,130	2,006,713	6,052,264
<b>Canada .....</b>	<b>31</b>	<b>3,325</b>	<b>18,506,962</b>	<b>3,656,465</b>	<b>60,258,949</b>	<b>47,103,780</b>	<b>110,345,093</b>

<sup>1</sup> Value added figures on a revised basis are not available for 1957.

<sup>2</sup> See footnote to text.

**TABLE 2. Inventories:<sup>1</sup> Manufacturers of Plastics and Synthetic Resins, 1961**

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
<b>Opening:<sup>2</sup></b>				
Quebec .....	2,300,903	991,234	3,655,314	6,947,451
Ontario .....	2,569,758	262,919	1,935,904	4,768,581
Alberta .....	1,185,026	117,444	1,968,040	3,270,510
British Columbia .....	263,542	786	123,038	387,366
<b>Canada .....</b>	<b>6,319,229</b>	<b>1,372,383</b>	<b>7,682,296</b>	<b>15,373,908</b>
<b>Closing:</b>				
Quebec .....	2,219,763	1,749,853	3,510,249	7,479,865
Ontario .....	2,401,196	284,512	2,738,371	5,424,079
Alberta .....	836,412	97,274	1,214,862	2,148,548
British Columbia .....	283,335	860	132,799	416,994
<b>Canada .....</b>	<b>5,740,706</b>	<b>2,132,499</b>	<b>7,596,281</b>	<b>15,469,486</b>

<sup>1</sup> Book value of all manufacturing inventories owned and 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. Materials Used: Manufacturers of Plastics and Synthetic Resins, 1961

Materials		Quantity	Cost at plant
			\$
Acetic anhydride .....	lb.	80,868	13,348
Acid - Adipic .....	"	862,379	260,732
Fatty - Oleic .....	"	7,351	1,612
Stearic .....	"	65,260	10,644
Other fatty acids .....	"	2,087,147	268,729
Formic .....	"	160,868	21,491
Hydrochloric (muriatic), 100% .....	"	183,237	7,807
Sulphuric, all grades, including oleum (as 100%) .....	"	41,850,712	546,074
Other .....	"	22,933,251	2,384,310
Alcohol - Ethyl .....	Imp. gal.	168,222	157,611
Isopropyl .....	lb.	583,341	74,206
Methyl .....	Imp. gal.	1,894,072	657,817
Other .....	lb.	6,285,781	1,017,561
Casein .....	"	280,023	67,174
Chlorine, liquid .....	"	561,422	7,433
Cresol (including cresylic acid) .....	"	1,245,092	189,112
Dibutyl phthalate .....	"	435,455	126,586
Dyes and pigments .....		..	473,535
Ethyl acetate .....	lb.	646,566	75,031
Formaldehyde (100% solids content) .....	"	18,833,179	1,823,383
Glycerine .....	"	3,428,087	954,844
Glycols - Ethylene .....	"	5,782,001	862,341
Diethylene .....	"	555,272	86,901
Propylene .....	"	1,726,244	230,889
Other grades .....	"	516,238	109,051
Maleic anhydride .....	"	720,913	159,247
Oils, vegetable - Castor .....	"	567,401	95,653
Chinawood .....	"	166,227	47,228
Linseed .....	Imp. gal.	149,161	222,623
Soya bean .....	lb.	5,373,423	715,681
Tall .....	"	1,391,340	134,101
Other vegetable oils .....	"	356,062	55,576
Pentaerythritol .....	lb.	1,485,995	430,722
Phenol .....	"	24,748,224	3,825,958
Phthalic anhydride .....	"	6,952,091	1,369,648
Plasticizers (not elsewhere specified) .....	"	2,163,253	530,405
Polyethylene type resin (all forms; for compounding only) .....	"	16,674,849	3,519,711
Resins, other (all forms; for compounding only) .....	"	10,665,747	1,592,192
Resorcinol .....	"	223,583	160,783
Sodium hydroxide (caustic soda) .....	"	25,480,912	722,037
Styrene monomer .....	"	23,305,727	2,558,149
Toluene (toluol) .....	"	609,338	26,019
Urea .....	"	7,055,272	377,815
Vinyl monomers - Vinylacetate type .....	"	3,358,675	540,918
Other vinyl monomers .....	"	25,136,583	2,560,660
Xylene (xylol) .....	"	2,200,382	94,299
All other materials and process supplies .....		..	28,018,455
Shipping containers and packaging materials .....		..	2,072,847
<b>Totals .....</b>		<b>...</b>	<b>60,258,949</b>

Note: No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$462,000 in 1961 and this amount is included in all other materials. The value of shipments actually reported by these small establishments was \$808,136.

**TABLE 4. Factory Shipments of Synthetic Resins<sup>1</sup> in Canada, 1952 - 61  
(from All Industries)**

Year	Selling value of factory shipments
	\$
1952 .....	19, 100, 000
1953 .....	26, 251, 000
1954 .....	36, 647, 000
1955 .....	49, 430, 000
1956 .....	50, 530, 000
1957 .....	54, 930, 000
1958 .....	66, 441, 000
1959 .....	73, 827, 000
1960 .....	88, 178, 000
1961 .....	91, 975, 000

<sup>1</sup> (a). Includes casein-type, vinyls, polystyrene, alkyds, phenol-formaldehyde, urea-formaldehyde, sodium carboxymethyl-cellulose, polyethylene, cellulose acetate, nylon flake, etc.

(b). Includes only resins or equivalent forms made for sale as there is no adequate record of resins made for own or captive use.

**TABLE 5. Factory Shipments<sup>1</sup> of Specified Synthetic Resins, 1960 and 1961  
(from All Industries)**

Type	1960		1961	
	Quantity	Selling value of factory shipments	Quantity	Selling value of factory shipments
	lbs.	\$	lbs.	\$
Alkyd (excluding polyester) .....	2	5, 294, 000	2	6, 370, 000
Alkyd polyester .....	2	2, 465, 000	2	2, 385, 000
Phenol-formaldehyde .....	2	8, 902, 000	2	9, 536, 000
Urea-formaldehyde .....	2	1, 931, 000	2	1, 902, 000
Vinyl chloride <sup>2</sup> .....	38, 862, 000	10, 013, 000	51, 510, 000	12, 412, 000
Polystyrene <sup>3</sup> .....	55, 839, 000	10, 261, 000	59, 696, 000	10, 658, 000

<sup>1</sup> Does not include resins made for own or captive use such as alkyds in paints, phenol-formaldehyde in laminates; however, phenol-formaldehydes and urea-formaldehydes sold as glues are included in the relevant categories.

<sup>2</sup> These resins are marketed, for the most part, in solution form of varying concentration and may be reported in terms of gross weight of solution or net resin content. Under these circumstances it is difficult to develop meaningful quantity data. For this reason quantity figures are not shown.

<sup>3</sup> Figures shown in the quantity column for these categories reflect the weight of the resins in all forms including equivalent forms such as sheet, foamable pellets, moulding compounds, etc. and, therefore, totals shown are not necessarily indicative of total net weight of resin sold.

**TABLE 6. Principal Statistics classified according to Type of Ownership:  
Manufacturers of Plastics and Synthetic Resins, 1961**

Type	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			
Incorporated companies .....	31	3, 325	18, 506, 962	3, 656, 465	60, 258, 949	110, 345, 093
<b>Totals</b> .....	<b>31</b>	<b>3, 325</b>	<b>18, 506, 962</b>	<b>3, 656, 465</b>	<b>60, 258, 949</b>	<b>110, 345, 093</b>

**TABLE 7. Principal Statistics Grouped according to Selling Value of Factory Shipments: Manufacturers of Plastics and Synthetic Resins, 1961**

Establishments reporting a value of factory shipments	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		
\$ 25,000 to \$ 49,999 .....	1	} 16	57,751	1,300	112,000	233,620
50,000 " 99,999 .....	1					
100,000 " 199,999 .....	1					
200,000 " 499,999 .....	7	} 112	520,696	55,566	2,721,108	4,117,858
500,000 " 999,999 .....	2					
1,000,000 " 4,999,999 .....	12	711	3,875,307	727,377	19,691,966	27,138,356
5,000,000 and over .....	7	2,324	12,921,318	2,872,222	37,733,875	78,855,259
Head offices .....	—	162	1,131,890	—	—	—
<b>Totals</b> .....	<b>31</b>	<b>3,325</b>	<b>18,506,962</b>	<b>3,656,465</b>	<b>60,258,949</b>	<b>110,345,093</b>

**TABLE 8. Employees and their Earnings: Manufacturers of Plastics and Synthetic Resins, 1961**

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Quebec .....	589	190	921	14	1,714	4,805,996	4,931,937	9,737,933
Ontario .....	271	80	677	23	1,051	2,142,315	3,351,723	5,494,038
Alberta and British Columbia .....	185	50	323	2	560	1,468,348	1,806,643	3,274,991
<b>Canada</b> .....	<b>1,045</b>	<b>320</b>	<b>1,921</b>	<b>39</b>	<b>3,325</b>	<b>8,416,659</b>	<b>10,090,303</b>	<b>18,506,962</b>

**TABLE 9. Production Workers,<sup>1</sup> by Months: Manufacturers of Plastics and Synthetic Resins, 1961**

Month	Male	Female	Total
January .....	1,911	37	1,948
February .....	1,902	36	1,938
March .....	1,871	36	1,907
April .....	1,871	37	1,908
May .....	1,916	38	1,954
June .....	1,976	43	2,019
July .....	1,983	42	2,025
August .....	1,971	43	2,014
September .....	1,938	40	1,978
October .....	1,916	39	1,955
November .....	1,905	41	1,946
December .....	1,900	39	1,939
<b>Average</b> .....	<b>1,921</b>	<b>39</b>	<b>1,960</b>

<sup>1</sup> The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.



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TABLE 10. Fuel and Electricity Used: Manufacturers of Plastics and Synthetic Resins, 1961

Kind	Quantity	Cost at plant
		\$
<b>Bituminous coal:</b>		
(a) From Canadian mines .....	ton	24,632
		273,462
(b) Imported .....	"	4,278
		48,108
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	198,061
		70,353
Fuel oil including kerosene or coal oil .....	"	9,179,676
		696,021
<b>Gas:</b>		
(a) Liquefied petroleum gases .....	Imp. gal.	94,350
		20,878
(b) Natural gas .....	M cu. ft.	3,692,549
		649,942
Other fuel .....		..
		26,029
Electricity purchased .....	kwh.	352,078,984
		1,562,815
Steam purchased .....		..
		308,857
<b>Total .....</b>		...
		<b>3,656,465</b>

Note: No detailed information on fuel and electricity used was collected from small establishments.