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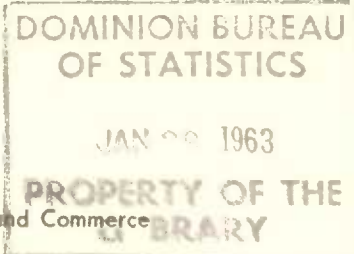
# PLASTICS FABRICATORS, N.E.S.

## 1960

First issue. Statistics in this report were previously published in 47-205 – Miscellaneous Industries.

### 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.
- amount too small to be expressed or where "a trace" is meant.
- p preliminary figures.

## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 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. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

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 1960 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

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### 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.

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, ware-

housing and delivery staffs. 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 calendar years 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 but not their withdrawals for income tax. 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 works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies 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 refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant 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 are included. Goods bought or received as transfers

and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse 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 values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The revised Standard Industrial Classification which has been 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. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. 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.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

<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 office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most 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 intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

# PLASTICS FABRICATORS, N.E.S.

1960

Until 1946, establishments manufacturing primary plastics or plastics products were included in the miscellaneous chemical products industry. In 1946, these establishments were removed from this industry and formed into an industry entitled The Plastics Industry. The following year, 1947, the plastics industry itself was split into two industries known as: (i) The Primary Plastics Industry, to which were classified establishments primarily engaged in manufacturing synthetic resins, although many of these may go on to manufacture simple plastic shapes such as sheet or film; and, (ii) The Plastics Products Industry, comprising establishments primarily engaged in moulding plastics for the trade and in manufacturing finished plastics products, not elsewhere classified. It is the latter industry, now known as Plastics Fabricators, n.e.s., which is the subject of this report.

For the 1960 survey, the Bureau implemented a revised Standard Industrial Classification. One effect of this implementation was to bring about changes in the composition of this industry, in addition to the change in name as a scrutiny of the revised Principal Statistics for the years 1957 to 1959, inclusive (Table 1), will reveal.

This industry is now defined as comprising those "Establishments primarily engaged in moulding, extruding and fabricating special plastic parts for automobiles, radios, toys, and other articles for the trade. Establishments primarily engaged in making plastic articles which cannot be classified conveniently elsewhere are also included". However, "Establishments primarily engaged in manufacturing plastic articles such as toys, buttons, tooth brushes or any other article for which provision is made elsewhere in the classification are classified to the appropriate industry".

It is important to note that this industry only includes those fabricators that manufacture from plastics the kind of products not found elsewhere in the classification scheme. For example, women's raincoats (including those of plastic) are classified to the women's factory clothing industry, and establishments producing women's plastic raincoats as a principal product would be included with this industry. Similarly, manufacturers of plastic toys would be classified to the toy industry and those of plastic handbags to the miscellaneous leather industry where the commodity "handbags" is to be found. Some production of these commodities will, of course, be found in this industry under review where they are produced, as secondary or minor products, by the establishments assigned to the industry on the basis of their more important items of manufacture. Shipments by all domestic

industries of commodities normally made of plastic may be found in Appendix II of the Bureau's report entitled "General Review of the Manufacturing Industries of Canada," Catalogue Number 31-201.

This new and separate report contains many tables not previously published when this industry was included in the report on Miscellaneous Manufacturing Industries (Catalogue No. 47-205). However, because of the revision, it has only been possible to present 1960 data in many tables. Furthermore, all references to 1959 figures in this introduction relate to the data on the revised basis.

In 1960, there were 250 establishments classified to this industry as opposed to 197 in the previous year: their provincial breakdown is given in Table 1. These plants had shipments amounting to \$87,989,559 in 1960, an increase of 12.8 per cent over the comparable 1959 figure of \$78,039,012: the breakdown of these shipments is tabulated in Table 4. There was a corresponding increase in the value of materials used from \$40,920,679 in the previous year to \$47,121,433 in the year under review, an increase of 15.2 per cent: Table 3 gives the details of these materials. The results of a special study covering shipments of certain plastic basic shapes and forms by all domestic industries for 1960 will be found in Table 5.

This increase in shipments was accompanied by an increase in employment and payroll. There were 5,527 employees in this industry in 1959 as opposed to 6,287 in 1960: the salaries and wages paid in the latter year, \$21,062,234, were 20.0 per cent greater than the previous year's total of \$17,555,724. Fuel and electricity costs also climbed from \$978,600 in 1959 to \$1,149,059 in the year under review.

Tables 6 and 7 of this report give the Canadian imports and exports, respectively, of plastic products, including basic shapes and forms, for the years 1959 and 1960 with as much detail as possible. Table 8 gives comparable exports, for the same years, from the United States to Canada and has been included to give additional information in this field.

The three breakdowns of the Principal Statistics of this industry by economic grouping, Tables 11 to 13, inclusive, are presented on the revised basis for the years 1957 and 1960 to reflect changes over this period.

A list of the establishments classified to this industry in the 1960 survey will be found at the end of this report.

TABLE 1. Principal Statistics, 1947-60

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Gross value of production <sup>1</sup>
Basis: Standard Industrial Classification in use prior to 1960							
	number				dollars		
1947.....	81	2,503	3,910,587	162,906	5,869,959	6,683,145	12,716,010
1948.....	79	2,591	4,122,692	175,466	5,604,354	8,717,086	14,496,906
1949.....	90	2,901	5,178,760	220,803	8,091,506	8,833,277	17,145,586
1950.....	98	3,195	6,051,615	265,073	10,948,140	11,828,581	23,041,794
1951.....	127	3,626	8,026,787	343,244	15,490,305	15,946,997	31,780,546
1952.....	143	3,700	8,536,568	382,175	15,773,365	17,429,571 <sup>2</sup>	33,585,111
1953.....	152	4,067	10,138,910	425,819	18,725,905	18,858,821 <sup>2</sup>	39,010,545
1954.....	154	3,920	9,989,841	504,209	18,526,126	18,601,356	37,480,878
1955.....	170	4,379	11,333,120	564,350	24,247,328	24,459,307	48,732,590
1956.....	177	4,779	12,968,618	687,587	29,221,782	27,676,435	58,537,054
1957.....	195	4,728	13,896,292	785,699	30,597,158	29,134,357	59,840,459
1958.....	198	5,186	16,307,962	868,627	36,855,300	36,750,031	73,857,408
1959.....	204	6,002	19,476,723	1,009,497	44,430,619	41,601,355	85,808,972
Basis: Standard Industrial Classification revised 1960							
	number				dollars		
1957							
Quebec .....	57	1,511	4,515,517	333,623	10,930,748	..	20,913,830
Ontario .....	100	2,477	7,243,804	413,450	14,894,289	..	29,010,353
Manitoba .....	5	25	54,097	3,673	67,359	..	206,379
Alberta .....	6	57	158,852	17,607	674,061	..	1,079,090
British Columbia .....	11	82	195,418	8,418	456,146	..	726,169
Nova Scotia .....	3 <sup>3</sup>	15	26,250	5,730	44,870	..	93,911
New Brunswick .....							
Canada .....	182	4,167	12,193,938	782,501	27,067,473	..	52,029,732
1958							
Quebec .....	59	1,801	5,610,320	378,308	14,040,665	..	28,258,129
Ontario .....	101	2,486	7,625,956	391,846	16,108,929	..	32,020,412
Manitoba .....	4	27	67,995	968	114,518	..	266,699
Alberta .....	5	72	236,892	18,810	962,994	..	1,509,472
British Columbia .....	14	101	270,030	13,847	679,573	..	1,292,483
Nova Scotia .....	3 <sup>3</sup>	11	30,539	1,922	45,418	..	84,495
New Brunswick .....							
Canada .....	186	4,498	13,841,732	805,701	31,950,097	..	63,431,690
1959							
Quebec .....	60	2,014	6,513,794	397,080	15,917,898	..	31,358,491
Ontario .....	106	3,168	9,984,871	505,105	21,692,981	..	40,820,947
Manitoba .....	7	142	438,752	28,403	1,468,934	..	2,807,329
Alberta .....	8	72	246,692	21,383	660,537	..	1,151,940
British Columbia .....	13	118	336,625	24,499	1,110,846	..	1,769,343
Nova Scotia .....	3 <sup>3</sup>	13	34,990	2,130	69,483	..	130,962
New Brunswick .....							
Canada .....	197	5,527	17,555,724	978,600	40,920,679	..	78,039,012
1960							
Quebec .....	75	2,277	7,388,683	450,499	17,755,005	16,535,995	33,842,284
Ontario .....	127	3,536	12,134,957	600,755	24,939,333	21,064,489	46,277,644
Manitoba .....	9	180	542,952	23,300	2,195,880	1,535,151	3,629,737
Alberta .....	14	84	283,312	24,413	419,011	459,123	850,310
British Columbia .....	20	164	583,588	37,085	1,445,672	1,155,271	2,722,378
Nova Scotia .....	5 <sup>4</sup>	46	128,742	13,007	366,532	285,873	667,206
New Brunswick .....							
Saskatchewan .....							
Canada .....	250	6,287	21,062,234	1,149,059	47,121,433	41,035,902	87,989,559

<sup>1</sup> Commencing with 1952 "Value of factory shipments" has been collected instead of "Gross value of production".<sup>2</sup> Because of insufficient inventory data in 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> Nova Scotia 1, New Brunswick 2.<sup>4</sup> Nova Scotia 2, New Brunswick 2 and Saskatchewan 1.

TABLE 2. Inventories<sup>1</sup>, 1960

Province	Raw material and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening: <sup>2</sup>				
Quebec .....	2,785,170	357,284	2,408,424	5,550,878
Ontario .....	3,200,531	1,166,320	3,055,589	7,422,440
Manitoba .....	107,864	18,986	268,185	395,035
Alberta .....	92,881	—	101,920	194,801
British Columbia .....	293,934	44,089	157,981	496,004
Nova Scotia .....	108,224	27,300	46,739	182,263
New Brunswick .....				
Saskatchewan .....				
Canada .....	6,588,604	1,613,979	6,038,838	14,241,421
Closing:				
Quebec .....	3,194,754	659,339	3,005,584	6,859,677
Ontario .....	3,431,071	1,054,742	3,494,100	7,979,913
Manitoba .....	118,071	92,156	319,609	529,836
Alberta .....	105,594	223	153,934	259,751
British Columbia .....	255,100	13,336	104,384	372,820
Nova Scotia .....	84,030	31,257	40,988	156,275
New Brunswick .....				
Saskatchewan .....				
Canada .....	7,188,620	1,851,053	7,118,599	16,158,272

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

<sup>2</sup> The opening inventory for 1960 does not necessarily agree with the closing inventory for 1959 because of changes in the composition of the industry, such as the addition of new establishments, the disappearance of old ones, or the transfer of establishments between industries for statistical purposes.

TABLE 3. Materials Used, 1960

Materials	Quantity		Cost at factory
	Moulding powders and compounds	Liquids, rods, bars, sheeting, etc.	
pounds			\$
Synthetic resins:			
Phenol-aldehyde types:			
(a) Phenol-formaldehyde .....	3,369,786	2,356,795	1,301,033
(b) Other .....	30,064	253,000	357,742
Amino-aldehyde types:			
(a) Urea-formaldehyde .....	1,288,570	—	397,074
(b) Melamine-formaldehyde .....	4,237,100	220,450	1,888,053
Alkyd types:			
Polyesters, and other .....	308,318	1,404,396	644,434
Polyamide types:			
Nylon, and other .....	323,163	271	310,161
Styrene types:			
(a) Polystyrene .....	16,258,628	320,039	4,875,848
(b) Other .....	1,080,307	152,614	591,926

TABLE 3. Materials Used, 1960 — Concluded

Materials	Quantity		Cost at factory
	Moulding powders and compounds	Liquids, rods, bars, sheeting, etc.	
	pounds		\$
<b>Synthetic resins — Concluded:</b>			
Vinyl types:			
(a) Vinyl acetate .....	51,008	6,060	31,427
(b) Vinyl chloride .....	4,838,421	3,503,525	3,305,824
(c) Other .....	872,988	551,725	565,169
Polyethylene types .....	31,724,525	5,171,835	12,248,215
Acrylic types .....	399,259	371,654	493,107
Vinylidene chloride .....	—	—	—
Other synthetic resin types .....	962,137	1,781,024	899,559
<b>Cellulose plastics:</b>			
Cellulose nitrate:			
Celluloid .....	—	400	1,000
Cellulose acetate .....	440,585	356,484	487,289
Cellulose acetate butyrate .....	333,241	4,650	221,957
Ethyl cellulose .....	22,600	3,086	19,173
Cellulose film ("cellophane", etc.) .....	—	780,361	569,985
Other cellulose plastics .....	3,979	1,706	3,196
<b>Protein plastics:</b>			
Casein and other .....	—	—	—
<b>Other plastics .....</b>	<b>883,180</b>	<b>519,840</b>	<b>1,051,311</b>
<b>Other materials:</b>			
Cotton fabrics .....			499,913
Other fabrics .....			579,013
Fibre glass .....			578,345
Paper .....			3,173,474
Rubber .....			375,834
Metals .....			564,273
Paints, lacquers, pigments, etc. ....			167,897
Shipping containers and packing materials or supplies .....			2,300,650
All other materials <sup>1</sup> .....			6,254,426
Operating, maintenance and repair supplies, (not including fuel) .....			1,939,178
Amount paid out to others for work done on materials owned by reporting plants .....			424,947
<b>Total cost of materials used .....</b>			<b>47,121,433</b>

<sup>1</sup> No detailed information on materials was collected from firms generally reporting value of shipments of less than \$100,000. The total estimated value of materials used by these firms in 1960 was \$1,492,000, which has been included in, "All other materials".

TABLE 4. Factory Shipments, 1960

Products	Selling value at factory
	\$
<b>Basic shapes and forms:</b>	
Film and sheet, unsupported (including "lay-flat" tubing) .....	7,930,975
Sheet, reinforced (excluding all laminates) .....	701,617
Film and sheet (including low-pressure laminates), n.e.s. ....	2,516,602
Angles, channels, rods, tees and similar shapes .....	1,092,309
Pipes, tubes, rigid and semi-rigid tubing (excluding hoses & "lay-flat" tubing) .....	3,502,509
Hose and flexible tubing (excluding "lay-flat" tubing and garden hose) .....	295,257
Basic shapes and forms (including blocks, bars, foam, high-pressure laminated plastic, etc.), n.e.s. ....	17,762,200
<b>Total</b> .....	<b>33,801,469</b>
<b>Household equipment and accessories:</b>	
Awnings .....	152,211
Bags, plastic film—Clothing dry-cleaning and laundry .....	137,909
Beach, diaper, knitting, shoe & shopping .....	120,843
N.e.s. (including garment storage, food protection, sleeping, etc.) .....	2,174,487
Clothesline and accessories .....	<sup>1</sup>
Containers, food, other than bags .....	1,572,642
Covers (film)—Furniture .....	127,287
Food and other, n.e.s. ....	373,038
Curtains and drapes (including shower) .....	<sup>1</sup>
Dinnerware .....	3,780,811
Furniture, glides and other accessories .....	1,240,413
Flatware (including stirrers) .....	330,892
Flower-pots .....	154,082
Fly-swatters .....	17,160
Handles and knobs .....	332,006
Hangers, garment .....	<sup>1</sup>
Hose, garden and couplings .....	934,979
Kitchenware .....	2,193,960
Seats, toilet .....	1,701,588
Seats, toilet-training .....	67,135
Tablecloths (covers) .....	105,050
Tile, floor and wall .....	1,872,634
Trays .....	<sup>1</sup>
Household equipment and accessories, n.e.s. ....	3,181,173
<b>Total</b> .....	<b>20,570,300</b>
<b>Clothing and personal equipment:</b>	
Aprons .....	<sup>2</sup>
Bibs .....	<sup>2</sup>
Brushes and parts .....	380,932
Buttons .....	<sup>2</sup>
Combs .....	961,692
Hair-dressing accessories (including barrettes), n.e.s. ....	746,072
Pants, babies' .....	<sup>2</sup>
Rainwear .....	<sup>2</sup>
Sunglasses, complete .....	<sup>2</sup>
Clothing and personal equipment, n.e.s. ....	2,181,262
<b>Total</b> .....	<b>4,269,958</b>

<sup>1</sup> Confidential. Included in "Household equipment and accessories, n.e.s.".<sup>2</sup> Confidential. Included in "Clothing and personal equipment, n.e.s.".

TABLE 4. Factory Shipments, 1960 — Concluded

Products	Selling value at factory
	\$
<b>Miscellaneous plastics products:</b>	
Accessories and Parts—Aircraft .....	443,968
Automobile .....	1,026,630
Dies, moulds and jigs .....	198,578
Electrical .....	2,775,092
Industrial, miscellaneous .....	1,969,830
Radio, telephone and television .....	760,042
Refrigeration .....	1,248,634
Accessories and parts, n.e.s. ....	902,580
Bottles .....	2,494,042
Boxes—Hosiery, jewellery, millinery, army & camp .....	350,309
N.e.s. ....	217,496
Caps, bottle, and closures .....	1,588,100
Cases—Clock .....	48,480
Jewellery and toileware .....	75,704
Utility, pocket-type .....	88,289
Including brief, cosmetic and luggage, n.e.s. ....	521,769
Filler, automobile body .....	245,051
Lures and tackle, fishing .....	53,419
Novelties—Advertising .....	372,769
General .....	704,904
Signs and displays .....	316,370
Stationery goods .....	372,527
Toys (including dolls, dolls' clothes, etc; rattles; inflatable and rigid pools; etc.) .....	1,975,595
Welting, for shoes, furniture, etc. ....	157,134
Miscellaneous plastics products, n.e.s. ....	7,220,846
<b>Total</b> .....	<b>26,128,158</b>
<b>Non-plastic miscellaneous products:</b>	
Jigs, dies, etc. ....	161,912
Non-plastic miscellaneous products, n.e.s. ....	2,677,343
<b>Total</b> .....	<b>2,839,255</b>
<b>Receipts for work on materials owned by others</b> .....	<b>380,419</b>
<b>Total value of shipments</b> .....	<b>87,989,559</b>

TABLE 5. Factory Shipments of Selected Plastics Commodities, by all Industries, 1960<sup>P</sup>

Commodity	Quantity	Selling value at factory
		\$
Film and sheet, unsupported, including "layflat" tubing <sup>1</sup> :		
Polyethylene .....	lb. 23,827,194	11,903,589
Foam:		
Polystyrene .....	" 1,780,000	1,467,037
Urethane—Polyester and Polyether .....	" 2,750,000	2,662,845
Other resins .....	" ..	252,413
Pipes, tubes, rigid and semi-rigid tubing (excluding hose and "layflat" tubing):		
Polyethylene .....	ft. 34,110,543	3,105,785
Vinyl .....	" 624,010	211,227
Other resins .....	" ..	403,474

<sup>1</sup> Plant sales or shipments only: does not include the production of film converted within the same plant.

TABLE 6. Imports<sup>1</sup> into Canada of Plastics and Manufactures thereof, 1959 and 1960

Import class	Commodity imported	Value	
		1959	1960
		dollars	
8048	Sheet cellulose acetate, in rolls, for the manufacture of sensitized photographic film .....	1,490,291	1,093,963
8550	Foamed and expanded cellulose plastics in sheets, blocks, boards, granules or powder .....	29,484	32,627
8600	Cellulose plastic plates, sheets, strip, film, blocks, bars, rods, tubes or other primary shapes .....	2,044,837	2,745,741
8630	Reinforced or supported cellulose plastic plates, sheets, strip, tubing, blocks, bars, rods, in which is incorporated a layer of paper, fibreboard or textile fabric, or a core of fibres, whether matted or otherwise arranged, n.o.p. ....	638,162	391,693
8650	Laminated moulded plastic products having cellulose plastics as the chief bonding agents .....	189,936	164,053
8670	Synthetic resin or cellulose plastic sheets or plates for the production of printers' engravings .....	149,261	125,170
8700	Manufactures of cellulose plastics, n.o.p. ....	2,110,178	1,911,974
8720	Manufactures of regenerated cellulose, n.o.p. ....	1,781,830	2,355,699
8830	Foamed and expanded synthetic resins in logs, sheets, blocks, boards, flakes, granules or powder .....	967,330	1,000,388
8870	Synthetic resins, or protein plastics in bars, rods, sheets, plates, strip, film, tubing or other primary shapes, n.o.p., whether coated or decorated or not	10,633,620	11,821,483
8900	Reinforced or supported synthetic resin plates, sheets, strip, tubing, blocks, bars, rods, in which is incorporated a layer of paper, fibreboard or textile fabric, or a core of fibres, whether matted or otherwise arranged, n.o.p. ....	3,286,416	3,659,552
8930	Laminated moulded plastic products having synthetic resins as the chief bonding agents .....	985,055	1,204,920
8950	Manufactures, n.o.p., of synthetic resins, or of protein plastics .....	23,690,440	27,311,079

<sup>1</sup> These data are published monthly in "Trade of Canada—Imports" (Catalogue No. 65-007), which also shows the details of shipments from individual countries.

TABLE 7. Exports<sup>1</sup> from Canada of Plastics and Manufactures thereof, 1959 and 1960

Export class	Commodity exported	Value	
		1959	1960
		dollars	
8080	Cellulose products .....	12,725,034	750,326
8457	Synthetic resins manufactures of .....	4,393,635	1,569,505
8472	Plastic film and sheets .....	<sup>2</sup>	3,645,382
8473	Plastic basic shapes and forms, n.o.p. ....	<sup>2</sup>	1,489,632

<sup>1</sup> These data are published monthly in "Trade of Canada—Exports" (Catalogue No. 65-004), which also shows the details of shipments to individual countries.

<sup>2</sup> New category in 1960.

**TABLE 8. Exports of Synthetic Resins and Plastics from the United States<sup>1</sup> to Canada, 1959 and 1960**

Commodity exported	1959		1960	
	Quantity	Value	Quantity	Value
	pounds	\$	pounds	\$
Polyethylene film and sheeting, except laminated .....	951,000	669,000	1,278,000	967,000
Synthetic resin film and sheeting, except polyethylene and laminated	10,113,000	9,035,000	9,634,000	9,083,000
Laminated shapes, synthetic resin, except moulded and decorative ..	2,004,000	1,444,000	749,000	1,110,000
Laminated shapes, moulded synthetic resin except decorative .....	948,000	768,000	570,000	523,000
Laminates, decorative, of synthetic resins .....	799,000	715,000	658,000	603,000
Cellulose ester plastic scrap .....	1,000	800	10,000	3,000
Cellulose ester plastics, except moulding, extrusion, composition and scrap .....	3,031,000	3,384,000	3,105,000	3,546,000
Plastics, except synthetic resins, semi-finished, or unfinished n.e.s.	1,140,000	873,000	836,000	587,000
Regenerated cellulose (except rayon), rolls and sheets, including printed .....	701,000	560,000	2,023,000	1,191,000
Vulcanized fibre sheets, and other shapes solely made therefrom .....	1,511,000	764,000	1,135,000	636,000

<sup>1</sup> Source: "United States Exports of Domestic and Foreign Merchandise", Part II.

**TABLE 9. Employees and their Earnings, 1959 and 1960**

Province	Employees					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total salaries and wages
	Male	Female	Male	Female				
	number					dollars		
1959								
Quebec .....	293	123	1,164	434	2,014	1,917,738	4,596,056	6,513,794
Ontario .....	454	211	1,421	1,082	3,168	3,118,159	6,866,712	9,984,871
Manitoba .....	20	6	71	45	142	124,079	314,673	438,752
Alberta .....	16	7	43	6	72	85,675	161,017	246,692
British Columbia .....	24	15	45	34	118	122,469	214,156	336,625
Nova Scotia .....	3	1	6	3	13	11,100	23,890	34,990
New Brunswick .....								
Canada .....	810	363	2,750	1,604	5,527	5,379,220	12,176,504	17,555,724
1960								
Quebec .....	355	133	1,322	467	2,277	2,302,252	5,086,431	7,388,683
Ontario .....	539	246	1,619	1,132	3,536	4,175,176	7,959,781	12,134,957
Manitoba .....	31	20	65	64	180	194,328	348,624	542,952
Alberta .....	24	9	44	7	84	124,351	158,961	283,312
British Columbia .....	29	21	78	36	164	195,220	388,368	583,588
Nova Scotia .....	7	4	29	6	46	35,939	92,803	128,742
New Brunswick .....								
Saskatchewan .....								
Canada .....	985	433	3,157	1,712	6,287	7,027,266	14,034,968	21,062,234

TABLE 10. Production Workers, by Months, 1960

	Establishments reporting monthly detail <sup>1</sup>		Establishments reporting quarterly detail <sup>2</sup>	
	Male	Female	Male	Female
January .....	2,394	1,305		
February .....	2,507	1,328		
March .....	2,678	1,339	311	280
April .....	2,650	1,306		
May .....	2,703	1,296		
June .....	2,743	1,309	405	277
July .....	2,636	1,252		
August .....	2,705	1,281		
September .....	2,715	1,307	360	333
October .....	2,661	1,332		
November .....	2,617	1,301		
December .....	2,517	1,196	313	277
Average for establishments reporting monthly detail .....			2,627	1,296
Average for establishments reporting quarterly detail .....			347	292
Average estimated for small establishments <sup>3</sup> .....			182	129
Average for all establishments .....			3,156	1,717

<sup>1</sup> The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$300,000 and over.

<sup>2</sup> The number of production workers, by quarters, was collected only for establishments, generally reporting value of shipments between \$100,000 and \$300,000.

<sup>3</sup> For establishments generally reporting value of shipments of less than \$100,000 no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll, which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 11. Principal Statistics, Grouped by Shipment Size, 1957 and 1960

Shipment size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of fuel and electricity	Cost at plant of materials used	Selling value of shipments at factory
	number		dollars			
1957						
Under \$10,000 .....	20	28	48,408	4,433	45,114	111,995
\$ 10,000 to \$ 24,999 .....	18	66	151,230	13,191	197,319	305,555
25,000 " 49,000 .....	31	144	350,702	27,021	547,522	1,087,035
50,000 " 99,999 .....	24	208	565,697	27,714	695,653	1,655,030
100,000 " 199,999 .....	27	400	975,877	57,521	1,957,944	3,885,870
200,000 " 499,999 .....	33	900	2,688,103	159,427	5,981,494	11,321,808
500,000 " 999,999 .....	19	1,122	3,028,913	193,778	7,241,017	13,374,860
1,000,000 and over .....	10	1,299	4,385,008	299,416	10,401,410	20,287,579
Totals .....	182	4,167	12,193,938	782,501	27,067,473	52,029,732
1960						
Under \$10,000 .....	26	39	74,157	3,073	59,447	127,446
\$ 10,000 to \$ 24,999 .....	31	88	236,891	16,567	182,470	536,510
25,000 " 49,999 .....	27	107	358,092	12,985	396,575	1,005,262
50,000 " 99,999 .....	35	276	863,087	50,916	1,217,407	2,504,131
100,000 " 199,999 .....	31	444	1,182,179	63,451	2,133,900	4,358,469
200,000 " 499,999 .....	44	1,121	3,635,930	211,995	6,717,480	13,620,450
500,000 " 999,999 .....	36	1,785	5,831,306	289,912	13,030,226	24,668,166
1,000,000 and over .....	20	2,427	8,880,592	500,160	23,383,928	41,169,125
Totals .....	250	6,287	21,062,234	1,149,059	47,121,433	87,989,559

TABLE 12. Principal Statistics, by Type of Ownership, 1957 and 1960

Type of ownership	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of fuel and electricity	Cost at plant of materials used	Selling value of shipments at factory
1957	number		dollars			
Individual ownership .....	27	59	141,640	10,491	239,813	501,568
Partnership .....	10	65	136,095	5,152	172,963	390,762
Incorporated company .....	145	4,043	11,916,203	766,858	26,654,697	51,137,402
<b>Totals .....</b>	<b>182</b>	<b>4,167</b>	<b>12,193,938</b>	<b>782,501</b>	<b>27,067,473</b>	<b>52,029,732</b>
1960	number		dollars			
Individual ownership .....	39	131	347,994	17,934	422,002	1,059,019
Partnership .....	12	58	171,368	5,125	169,863	409,133
Incorporated company .....	199	6,098	20,542,872	1,126,000	46,529,568	86,521,407
<b>Totals .....</b>	<b>250</b>	<b>6,287</b>	<b>21,062,234</b>	<b>1,149,059</b>	<b>47,121,433</b>	<b>87,989,559</b>

TABLE 13. Principal Statistics, by Number of Employees per Establishment, 1957 and 1960

Employee size	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of fuel and electricity	Cost at plant of materials used	Selling value of shipments at factory
1957	number		dollars			
Under 5 employees .....	57	129	315,373	28,834	601,341	1,207,233
From 5 to 14 employees .....	51	411	1,205,397	65,694	2,772,184	5,098,891
" 15 " 49 " .....	51	1,353	3,851,510	256,179	8,785,614	16,847,110
" 50 " 99 " .....	15	1,038	2,826,204	175,416	6,681,709	12,559,064
100 employees and over .....	8	1,236	3,995,454	256,378	8,226,625	16,317,434
<b>Totals .....</b>	<b>182</b>	<b>4,167</b>	<b>12,193,938</b>	<b>782,501</b>	<b>27,067,473</b>	<b>52,029,732</b>
1960	number		dollars			
Under 5 employees .....	81	189	550,615	36,739	1,061,505	2,255,854
From 5 to 14 employees .....	65	553	1,892,949	105,407	3,309,237	6,695,966
" 15 " 49 " .....	69	1,904	6,312,813	367,446	16,877,333	29,902,641
" 50 " 99 " .....	22	1,550	5,144,893	268,423	10,276,772	19,642,510
100 employees and over .....	13	2,091	7,160,964	370,044	15,596,586	29,492,588
<b>Totals .....</b>	<b>250</b>	<b>6,287</b>	<b>21,062,234</b>	<b>1,149,059</b>	<b>47,121,433</b>	<b>87,989,559</b>

TABLE 14. Consumption of Fuel and Electricity, 1960

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: <sup>1</sup>		
Bituminous coal (a) From Canadian mines .....	ton	2,082
(b) Imported .....	"	1,984
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	100,301
Fuel oil (including kerosene or coal oil) .....	"	2,180,085
Wood .....	cord	189
Gas (a) Liquefied petroleum gases (propane, etc.) .....	Imp. gal.	12,905
(b) Other manufactured gas (excluding oxygen and acetylene .....	1000 cu. ft.	1,323
(c) Natural gas .....	"	78,474
Steam purchased .....		21,949
Electricity purchased (including service charge) .....	kwh.	49,156,517
2. Establishments reporting group detail: <sup>2</sup>		
Cost of fuel .....	...	36,611
Cost of electricity .....	...	73,918
3. Estimate for establishments for which no data were collected: <sup>3</sup>		
Cost of fuel and electricity .....	...	63,051
4. All establishments:		
Total cost of fuel and electricity .....	...	1,149,059

<sup>1</sup> Establishments generally reporting value of shipments of \$300,000 and over.<sup>2</sup> Establishments generally reporting value of shipments between \$100,000 and \$300,000.<sup>3</sup> Establishments generally reporting value of shipments of less than \$100,000.

TABLE 15. Capital, Repair and Maintenance Expenditures, 1960

Year	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
	thousands of dollars								
1960	1,777	4,432	6,209	215	1,658	1,873	1,992	6,090	8,082

## Plastics Fabricators, 1960

Name	Address
<b>Nova Scotia:</b>	
Plastics Maritime Ltd.	58 Gerrish St., Halifax
Star Manufacturing Works Limited	Box 500, Dartmouth
<b>New Brunswick:</b>	
Kinghorn and Dickie Ltd.	Rookwood Ave., Fredericton
Rogers Bros. Limited	Box 831, Saint John
<b>Quebec:</b>	
Allen Plastics Co.	2407 Mount Royal Ave. E., Montreal 34
Alloycraft Limited	27 Hillside Ave., Westmount, Montreal 6
Alpha Plastics Co.	3455 Montgomery St., Montreal 34
Arborite Co. Ltd.	385 Lafleur Ave., Ville La Salle
Arrow Plastics Ltd.	74 - 61ème Ave., Iberville
Audet Plastic Specialties Enrg.	1649 Belvedere S., Sherbrooke
Beacon Plastics Ltd.	35 Navy Camp Bldg., St. Hyacinthe
Bicycle Guild Inc.	1340 Balmoral St., St. Laurent, Montreal
Blaines Plastic Co. Ltd.	3126 Dessaulles St., St. Hyacinthe
Bolta Plastics Limited	15 Vittle St., Granby
Canal Plastic Co. Ltd.	781 William St., Montreal 3
Capri Fibre-Glass Products Ltd.	256 Greene Ave., Montreal 30
Copak, Enrg. Bouteilles	C.P. 186 Ste-Claire, Cte Dorchester
C.P.F. Plastics Limited	9861 Plaza Blvd., Montreal 39
Crescent Plastic Novelties Reg'd.	2110 St. Clement St., Montreal 4
Customold Plastics Ltd.	91 Hymus Blvd., Pointe Claire
Cyanamid of Canada Limited (Laminated plastics plant)	St. Jean
Die Plast Ltd.	10620 Racette St., Montreal North, Montreal 39
Dominion Comb & Novelty Company	479 St. Louis St., Warwick
Dominion Cutting Service Ltd.	540 Beaudry St., Montreal 24
Duro Lam Limited	Box 400, St. Jovite
Electronic Products Inc.	110 St. Peter St., Montreal
Engravo Mfg. Co. Reg'd.	12271 Reed Blvd., Montreal 9
Ginn Bros. Ltd.	280 Regina Ave., Verdun
G.M. Plastic Corporation	520 Robinson St., Granby
H.F. Products Ltd.	425 River St., Verdun, Montreal 19
Hickey Plastic Co. Ltd.	1898 St. Antoine St., Montreal 3
H.L. Plasto Industries Enrg.	3232 Rouville, Montreal
Housewares Mfg. Co. Ltd.	10740 Racette Ave., Montreal North, Montreal 39
Industrial Plastic Extrusions Co. Ltd.	Box 36, St. Lambert
Kautex (Canada) Ltd.	160 Bates Road, Town of Mount Royal
Langlois, Jules	38 St. Dominique St., Launon
Leco Industries Ltd.	97 Avenue, Box 335, Parish of St. Thérèse de Blainville
Les Industries Provinciales, Ltée.	St. Damien de Buckland, Co. Bellechasse.
Long Sault Wood Craft Ltd.	St. Andrews East
Lord Plastics	249 St. Jacques St., St. Jacques de Montcalm
Lukian Plastics Engineering Co.	35 A O'Connell St., Dorval
Luluby Products Inc.	2350 De Lorimier Ave., Montreal 24
Mack Molding Limited	33 Taylor St., Waterloo
Mainville Foot Moisture Condenser Enrg.	168 Lewis St., Waterloo
Mansonville Plastics Ltd.	Mansonville, Brome Co.
Marko Plastics Co. Ltd.	3781 Courtral Ave., Montreal 26
Meifo Industries Ltd.	2655 Marcel St., St. Laurent
Modern Plastics Co. Ltd.	1505 Laframboise St., St. Hyacinthe
Neelak Products Ltd.	145 Port Royal St. W., Montreal 12
Nicolet Plastique Ltée	138 rue St. Joseph, Nicolet
Northern Resins Limited	37 St. Viateur St., Berthierville
Payge Manufacturing Ltd.	2300 Florian St., Montreal 24
Plastic Enterprises Ltd.	642 de Courcelles St., Montreal 30
Plastic Fabricating Industries Reg'd.	239 Pie XII, St. Foy, Quebec
Plasticon Enrg.	998 de Fondville, Quebec
Plasti-Lam Inc.	13 Des Saules E., Quebec
Plastiseal Inc.	359 Youville St., Montreal
Portugal Mfg. Co.	648 Wellington St., Montreal 3
Premier Fibreglass Construction Inc.	3390 Mont Joli, Montreal Nord
Rainbow Plastic Ltd.	Buckingham
Ralston, W. & Co. (Canada), Ltd.	Box 455, Station O, Montreal 9
Rapco Plastic Products	307 St. Catherine St. W., Montreal
Renaud, R. Enrg.	2403 Monsabre St., Montreal 5
Robbins Floor Products of Canada, Ltd.	480 South Robinson St., Granby
Rogers Plastics (Canada) Ltd.	Albert St., Rawdon
Rouette Glass Co. Ltée	75 Eastern Place, Ville St. Pierre

## Plastics Fabricators, 1960 - Continued

Name	Address
<b>Quebec - Concluded:</b>	
St. Lawrence Plastics & Metal Works Ltd.	1040 O'Brien Blvd., Ville St. Laurent, Montreal 9
Shawinigan Chemicals Ltd.	Napoleon St., Ste. Thérèse de Blainville
Solest Mfg. Co. Ltd.	4246 St. Lawrence Blvd., Montreal 18
Standard Canopies Mfg. Ltd.	3811 Dickens, Ville St. Michel
Superior Plastic Inc.	2133 Lafontaine St., Montreal 24
Thermo-Extrusions Inc.	7951 Dante St., Ville St. Michel, Montreal 38
Thermoset Plastics Ltd.	Dorlon
Tucker Plastic Products Ltd.	271 St. Jacques St. S., Coaticook
Unican Plastics (Canada) Ltd.	241 Duke Ave., Montreal East, Montreal 5
United Plastic Ltd.	369 St. Paul St. W., Montreal
Vernercraft (1957) Company	2309 Aird Ave., Montreal 4
Victory Plastic & Novelty Co. Inc.	400 Atlantic Ave., Montreal 8
Wallace Silversmiths (Canada) Ltd., Plastics Division	Cookshire.
<b>Ontario:</b>	
Allied Sales Co. of Canada	701 Crescent Road, Box 192, Newmarket
Almar Reinforced Plastics	Draper St., Norval
Alumaplast Limited	61 Arrow Road, Weston
American Nican Corporation Ltd.	Garrison Road, Fort Erie
Barringham Plastics Ltd.	Lakeshore Highway West, Box 400, Clarkson
Bartley Manufacturing Co.	11 Hamilton St., Toronto 8
Beauty Industries Ltd.	272 Sherman Ave., N., Hamilton
Beauty Lite Plastic Awning Co.	86 Park Rd. St., Oshawa
Belmat Manufacturing Co.	20 Aylward St., Toronto 9
Bilflex	168 Kendal Ave., Toronto 4
Brantford Molded Plastics Ltd.	1 Prince Charles Rd., Brantford
Callon Corporation Ltd.	1857 Walker Rd., Windsor
Canadian Battery & Bonalite Co. Ltd.	1587 McDougall St., Windsor
Canadian Industries Ltd., Mastex Films Unit	134 Kennedy Rd. S., Brampton
Care, Arthur, Enterprises Ltd.	2679 1/2 Danforth Ave., Toronto 13
Carroll Plastics	Beech St., Stayner
Centri-Cast Limited	75 Leggett Ave., Weston
Cluthe The George, Manufacturing Co. Ltd.	141 Weker St. S., Waterloo
Consolidated Frybrook Industries Ltd.	Main St. N., Acton
Continental Diamond Fibre Division of Arborite Co. Ltd.	Hollinger Road, Toronto
Courtaulds Plastics Canada Ltd.	Montreal Road, Cornwall
Daron Industries	Norman Rogers Airport, Kingston
Davenport Containers Ltd.	375 Symington Ave., Toronto 9
Deerfield Laminations Limited	175 Deerfield Rd., Newmarket
Deerfield Plastics Ltd.	175 Deerfield Rd. Newmarket
Dupont Co. of Canada Ltd. (Polyethylene film plant)	Whitby
Duro Plastics Co.	16 Cathay St., Galt
Dynaglas Industries	1160 Albert Rd., Windsor
Edmir Moulding Corp. of Canada, Ltd.	296 Brunswick Ave., Toronto 4
Elasko Products, Limited	54 Osler St., Toronto 9
English Plastics Ltd.	245 Queen St. E., Brampton
F. & H. Plastics, Ltd.	29 Faulkland Rd., Scarborough
Fibrelam Plastics, Ltd.	1212 Speers Rd., Oakville
First Sno Co. Ltd.	R.R.2, Stoney Creek
French Ivory Products Ltd., The	7 Plastics Ave., Box 25, Toronto 18
Furlong Plastics Limited	76 Orfus Road, Toronto 19
Gaco Products Limited	177 Clarence St., Brantford
Glastic Products	300 Bridgeland Ave., Toronto 19
Graham Products Ltd.	Inglewood
Hamilton Plastic Manufacturing & Supply	237 Catherine St. N., Hamilton
Handee Plastic Products	543 Rankin St., Windsor
Hardfoam Products Ltd.	66 Fordhouse Blvd., Toronto 14
Hathaway Kraemer Ltd.	125 Whitney Place, Kitchener
Haugh's Products Limited	2301 Keele St., Toronto 15
Hellerman Canada Ltd.	141 Bond Ave., Don Mills
Hergott Specialty Co.	St. Clemens
Hollywood Vinyl Products Ltd.	88 Orfus Road, Toronto 19
Humphrey-Coskurn Plastics Ltd.	Bullock Drive, Box 320, Markham
Hygiene Shower Curtain of Canada, Ltd.	559 College St., Toronto 4
Imco Container (Canada) Ltd.	3174 Mavis Rd., Cooksville
Impac Containers Ltd.	11 Lesmill Rd., Don Mills
Kemp Products Limited	1280 Florence St., London
Keystone McDalen Manufacturing (Plastics), Ltd.	883 Dundas St. E., Toronto 6
Kitchener Plastics Limited	350 King St. W., Kitchener
Korlin Limited	577 Erie St., Stratford
Lam Pl (Canada) Ltd.	85 Shorncliffe Rd., Toronto 18
La Salle Plastics Ltd.	392 Front St., La Salle
Lido Industrial Products Ltd.	1384 Dufferin St., Toronto 4
Maple Leaf Plastics Limited	375 Danforth Rd., Toronto 13
Markham Reinforced Plastics, Ltd.	Robinson St., Markham
Marson (Canada) Ltd.	68 Broadview Ave., Toronto 8
Marwal Plastics Ltd.	1 Alfred St., Brantford
Midland Plastics Division, Midland Industries	Elizabeth St., Midland
Mitchell Button Co. Ltd., The	97 Victoria St. N., Kitchener
Modern Plastic Products	98 Richmond St. E., Toronto 1
Moldex Ltd.	155 Vespra St., Barrie
Monsanto Oakville (1960) Limited:	
Foam Division	8th Ave. N., Woodbridge
Moulded Products Division	8th Ave. N., Woodbridge
Morval Products Co. Ltd.	156 Birch Ave., Box 578, Kitchener
Multi-Plastics Co.	54 Power St., Toronto 2
National Fibre Co. of Canada Ltd.	107 Atlantic Ave., Toronto 2
Oki & Willadsen Ltd.	47 Crockford Blvd., Scarborough
Ontario Steel Products Co. Ltd.	9 King St., Gananoque
Owen-Illinois of Canada Ltd.	106 North Queen St., Box 248, Toronto 18
Paradise Plastics Ltd.	R.R.1, London

## Plastics Fabricators, 1960 - Continued

Name	Address
<b>Ontario - Concluded:</b>	
Paulite Plastics Co. Ltd.	Bishop St., Preston
Permail (Canada) Ltd.	137 Kipling Ave. S., Toronto 18
Plastic Pipes Ltd.	Dain Ave., Welland
Plastic Welding and Fabricating Ltd.	60 Crockford Blvd., Scarborough
Plasticraft Co.	63 Duke St., Toronto 2
Plastomer Limited	151 John St., Box 88, Barrie
Plastonics Limited	Norval
Plax Canada Limited	Georgetown
Polybottle (1960) Limited	1925 Wilson Ave., Weston
Polycoating & Films Limited	808 Courtland Ave. E., Kitchener
Polyfiber Ltd.	148 Lochiel St. N., Renfrew
Porter Products	37 Bruce St., Kitchener
Precision Plastics Co.	71 Carling St., London
Progress Smelting & Refining Co. Ltd.	83 Walnut Ave., Toronto 2 B
Protective Plastics Ltd.	31 Upton Rd., Scarborough
Provincial Plastics	Box 1003, Hespeler
Reed Manufacturing Co.	4 Woodfield Rd., Toronto 8
Resin Fabricators	124 Manville Rd., Scarborough
Resolite Corporation (Canada) Ltd.	1548 The Queensway, Etobicoke
Robinson Industrial Crafts Ltd.	310 Wellington Rd. S., London
Rose Plastics	14 Northern Place, Toronto 3
Rosedale Plastics International Ltd.	65 King St., Lindsay
Scepter Manufacturing Co. Ltd.	30 Cranfield Rd., Toronto 16
Shirlite Manufacturing Co. Ltd.	91 Whitney Place, Kitchener
Sim Plastics	53 Algic Ave., Toronto 18
Smith and Stone Ltd. Plastics Division	Georgetown
Spaulding Fibre of Canada Ltd.	70 Coronet Rd., Toronto 18
Stradwick Industries Ltd.	379 Highbury Ave., Box 5067, London
Textile Novelty Co.	275 Roxton Rd., Toronto 4
Tilco Plastics Limited	475 Parkhill Rd., Box 268, Peterborough
Tip Top Plastic & Metal Products Ltd.	181 Yonge St., Newmarket
Tobias L.C. Co. Ltd.	461 King St. W., Toronto
Toronto Plastics Ltd.	15 Mobile Drive, Toronto 16
Trans-Canada Plastics Ltd.	380 Weston Rd., Toronto 9
Triangle Enterprises	124 Manville Rd., Scarborough
Trident Industries	382 King St. N., Waterloo
Trojan Bros.	232 Bathurst St. (Rear), Toronto 2 B
Universal Plastic Moulders Ltd.	26 Elmwood Ave., Galt
Ursini Plastics	15 Main St. N., Uxbridge
Usher Plastics Ltd.	106 Nelson St. W., Brampton
Victor Advertising Specialties	5114 Dundas St. W., Islington
Vue-Craft Products Ltd.	570 King St. W., Toronto 2 B
Walter, John & Sons Ltd.	11 Hoffman St., Kitchener
Wasco Products (Canada) Ltd.	19 Hafis Rd., Toronto 15
Wingham Manufacturing Co. Ltd.	Josephine St., Wingham
Wintrob, M. & Sons, Canada Ltd.	260 Spadina Ave., Toronto 2 B
Wolfe, Williams & Co.	9 McGee St., Toronto 8
Woodbridge Moulded Products Ltd.	20 Toro Rd., Box 243, Downsview
Woolley, Glenn S. & Co. Ltd.	Box 315, Ajax
W. T. Plastics Ltd.	295 King St. E., Toronto 2
Yardley Plastics of Canada Ltd.	675 Richmond St., Chatham
York Plastics Industries	Carrville Rd. W., Maple
<b>Manitoba:</b>	
Anglo Plastics, Ltd.	1485 Wellington Ave., Winnipeg 3
Canadian Industries Limited, Mastex Films Unit	1750 Ellice Ave., Winnipeg 12
Dawn Plastics Ltd.	803 Erin St., Winnipeg
Grandview Industries, Division of British Ropes Canadian Factory, Ltd.	840 Bradford St., St. James
Plastic Film (Manitoba) Ltd.	116 Market Ave. E., Winnipeg 2
Plastic Windows Ltd.	803 Erin St., Winnipeg 10
Plaxlab Products Ltd.	591 Marjorie St., Winnipeg 21
Speers Petrochemicals Ltd.	1462 Erin St., Box 186, Winnipeg 3
Union Carbide, Canada, Ltd. Visking Division	cor. Waverley & Sommerville Ave., Fort Garry
<b>Saskatchewan:</b>	
Weyburn Plastics	#2 Hangar, Airport, Weyburn
<b>Alberta:</b>	
Alberta Plastic Laminators	11146 - 102nd Ave., Edmonton
Alberta Polytubes Ltd.	12105 - 120th Ave., Edmonton
Aristocrat Plastic Industries Ltd.	14834 Stony Plain Rd., Edmonton
Dymer Plastics Ltd.	82 Ave. & 50 St., Box 4392, Edmonton
Layfield Plastics Limited	Hangar 16, Municipal Airport, Edmonton
Lynn Plastics Ltd.	2410 - 4th St. S.W., Calgary
Plastic Fabricators	9638 - 101a Ave., Edmonton
Plastic Platemakers Ltd.	10056 - 109 St., Edmonton
Polychemical Industries Ltd.	Highway 14 E., Box 4506, Edmonton
Porto-Plastics Ltd.	Box 194, Mirror
Reinforced Solar Lite Plastics Ltd.	8035 - 102 St., Edmonton
Speers Petrochemicals Ltd.	8639 - 106 A East, Edmonton
Taylor Plastics	733 - 735 - 10th Ave. S.W., Calgary
Western Thermo Pressing	220 Burns Bldg., Calgary
<b>British Columbia:</b>	
Awnings Translucent	4045 E-1st Ave., North Burnaby, Vancouver
B.C.M. Products, Ltd.	250 North Grosvenor Ave., North Burnaby, Vancouver
Canadian Industries Limited, (Plastics plant)	654 Derwent Way, Annacis Island, New Westminster
Canbri (B.C.) Ltd.	162 Water St., Vancouver 3

## Plastics Fabricators, 1960 - Concluded

Name	Address
<b>British Columbia - Concluded:</b>	
Columbia Plastics Ltd. ....	2155 West 10th Ave., Vancouver 9
Grandview Industries, Division of British Ropes, Canadian Factory, Ltd. ....	3185 Grandview Highway, Vancouver 12
Granville Plastics & Specialties Ltd. ....	324 West 2nd Ave., Vancouver 10
Hallcraft Plastics Ltd. ....	1306 Boundary Rd., Vancouver 6
Hanson Plastics Ltd. ....	1751 West 3rd Ave., Vancouver 9
Industrial Coatings Ltd. ....	237 East 4th Ave., Vancouver 10
Industrial Plastics ....	506 Fort St., Victoria
Listo Products Ltd. ....	1716 East Hastings St., Vancouver 6
Northern Plastics Ltd. ....	245 # 8 Road, R.R. # 2, Richmond
Ox-O-Lite Plastic Products Ltd. ....	7170 Antrim Ave., South Burnaby, Vancouver
Pacific Package Forming Ltd. ....	514 W. Hastings St., Vancouver 2
Pacific Plastics (of Canada) Ltd. ....	687 Powell St., Vancouver 4
Speers Petrochemicals Ltd. ....	2235 - 12th Ave. W., Vancouver
Trans. Lite Plastics Ltd. ....	8850 Selkirk St., Vancouver 14
Ultralux Plastic Industry, Ltd. ....	898 River Drive, Vancouver
Westport Mfg. Co. Ltd. ....	1355 Parker St., Vancouver 6



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