

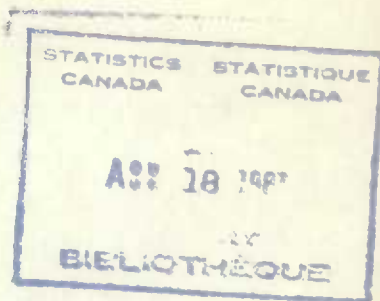
CATALOGUE No.

47-205

ANNUAL



NOV 16 1960



THE MISCELLANEOUS INDUSTRIES

1958



Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

November, 1960
6524-534

Price 50 cents

PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Miscellaneous Manufactures** Major Group are listed below, along with related current and annual publications. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

M — Monthly

S.C. — Special Compilation

Catalogue number	Title	Price
47-201	Broom, Brush and Mop Industry (A)50
47-202	Button, Buckle and Fastener Industry (A)25
47-203	Musical Instrument Industry (A).....	.25
47-204	Sporting Goods Industry (A)50
47-205	Miscellaneous Industries (Artificial flowers and feathers; candles; clocks and watches; fountain pens and pencils; hair goods; ice; instruments; models and patterns; lamps; ophthalmic goods; orthopaedic and surgical appliances; smokers' supplies; plastics products; signs; stamps and stencils; statuary and art goods; toys and games; typewriter supplies; umbrellas) (A)50
<hr/>		
47-001	Asphalt and Vinyl-Asbestos Floor Tile (M)	per year 1.00
(S.C.)	Production and Sales of Records in Canada (M)	
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M)	per year 4.00
31-201	General Review of Manufacturing Industries (A)	2.00
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M).....	per year 4.00
65-004	Trade of Canada — Exports (M)	per year 7.50
65-007	Trade of Canada — Imports (M).....	per year 7.50

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 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. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

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 1958, 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, warehousing 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 of 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.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

¹ 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*.

THE MISCELLANEOUS INDUSTRIES

1958

The Standard Industrial Classification adopted by the Bureau in 1949 has as one of its major manufacturing divisions a group entitled "Miscellaneous Industries". This group differs very little from the group of the same name in our former classification and, like it, is comprised of relatively small, unrelated industries.

Since 1948 the value of the factory shipments made each year by the Miscellaneous Industries Group has been rising steadily. This pattern of expanding business continued in 1958 when yet another new record was established. In that year the value of factory sales, \$393,592,590, was 10.9 per cent higher than the comparable 1957 figure of \$355,013,423.

Reports were received from 1,599 establishments in 1958, twenty more than in 1957. The reporting firms employed 36,002 persons, an increase of 1,060, or 3.0 per cent, over the 34,942 employed in 1957. Salary and wage payments, at \$119,980,755 in 1958, were higher by \$10,099,564 (9.2 per cent) than the \$109,881,191 paid out the previous year. Materials and supplies used in manufacturing in 1957 cost \$148,659,593 and \$170,066,471 in 1958: this represents a substantial increase of \$21,406,878, or 14.4 per cent, over the previous year's total.

Again Ontario was the predominant province in the group, contributing 62.8 per cent of the total value of shipments, and accounting for 60.6 per cent of the total number of employees. The Quebec firms reported 29.4 per cent of the total factory sales, and 31.2 per cent of the workers.

Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses has been collected as part of the Annual Census of Industry. This data was formerly collected by a separate survey. The summarized results for the miscellaneous industries for the year under review will be found in Table 3.

Up until 1950, it was the practice of the Bureau to issue separate annual reports on four only of the industries comprising the group, namely; Brooms, brushes and mops; Buttons, buckles and fasteners, Musical instruments; and Sporting goods. The remaining industries were not made the subject of

separate reports mainly on account of their size and, consequently, the small amount of publishable statistical information concerning them.

In recent years, however, these industries have experienced an expansion which is expected to continue. In consideration of their growth and the interest now manifest in many of them, this publication concerning them was initiated with a report covering their 1950 operations. It deals with twenty diverse industries as well as the combined principal statistics of the entire group and is published annually. Separate reports continue to be published on the four industries mentioned in the preceding paragraph, as shown below:

Catalogue number

- 47-201 Broom, Brush and Mop Industry
- 47-202 Button, Buckle and Fastener Industry
- 47-203 Musical Instrument Industry
- 47-204 Sporting Goods Industry

The industries dealt with in this report and the pages on which they will be found are as follows:

	Page
Artificial flowers and feathers	7
Candles	9
Clocks, watches and watch cases	10
Fountain pens and pencils	11
Hair goods, animal and human	13
Ice, artificial	13
Instruments and related products ¹	14
Lamps, electric and lamp shades	17
Models and patterns (except paper)	18
Ophthalmic goods ¹	18
Orthopaedic and surgical appliances ¹	19
Pipes, lighters and other smokers' supplies	20
Plastics products	21
Signs, and displays	24
Stamps and stencils, rubber and metal	25
Statuary, art goods and novelties	25
Toys and games	27
Typewriter supplies	29
Umbrellas	30
Miscellaneous	30

¹ Prior to 1956, classified together as scientific and professional equipment.

Note: The commodity figures shown for the industries in this publication are not necessarily Canadian totals for the items specified. It is not unusual for a commodity to be produced as a secondary product in two or more industries. For total Canadian figures, reference should be made to the appendix to the annual report entitled *General Review of the Manufacturing Industries of Canada*.

TABLE 1. Principal Statistics of the Miscellaneous Industries Group, 1926-58

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 ¹
	number			dollars			
1926	393	10,032	11,309,121	581,014	18,061,371	22,939,666	41,582,051
1929	421	10,786	12,457,989	524,317	22,495,351	28,188,068	51,207,736
1933	459	8,351	7,810,976	466,678	9,497,751	14,174,498	24,138,927
1937	545	11,699	11,936,704	651,462	17,792,121	22,807,498	41,251,081
1939	566	12,280	13,045,929	576,340	18,308,810	24,508,056	43,393,206
1942	657	22,474	27,202,456	1,226,613	49,292,782	46,918,549	97,437,944
1945	692	24,024	37,187,275	1,403,334	83,549,139	59,571,126	144,523,599
1948	814	22,315	40,906,054	1,598,001	48,007,617	75,510,756	125,116,374
1949	893	26,401	51,147,475	1,985,068	59,778,187	94,600,066	156,363,321
1950	1,007	27,219	56,409,875	2,214,533	67,469,334	99,628,735	169,312,602
1951	1,173	28,756	66,908,755	2,612,594	87,292,415	120,899,546	210,804,555
1952	1,313	29,833	74,133,582	2,867,401	87,550,232	135,203,233 ²	225,620,866
1953	1,350	32,223	85,954,495	3,051,957	103,467,901	154,763,033 ²	261,282,891
1954	1,360	31,071	85,748,818	3,354,557	102,179,368	149,157,222	252,306,085
1955	1,524	31,511	89,239,630	3,665,780	114,448,353	164,876,649	283,147,866
1956	1,556	33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013
1957							
Canada	1,579	34,942	109,881,191	4,527,934	148,659,593	206,433,400	355,013,423
Newfoundland	3	38	109,117	8,456	109,905	125,464	248,422
Nova Scotia	15	86	226,553	57,056	116,483	305,325	497,136
New Brunswick	16	339	986,917	92,664	1,167,937	1,713,063	2,973,417
Quebec	497	10,996	31,639,868	1,249,854	46,998,772	56,664,962	103,821,976
Ontario	790	21,060	68,917,381	2,679,421	91,051,013	134,050,869	224,274,936
Manitoba	60	763	2,063,930	113,220	3,635,959	4,052,370	7,760,435
Saskatchewan	14	94	290,887	23,397	239,118	587,596	854,614
Alberta	51	425	1,543,204	101,076	1,831,410	2,820,998	4,728,360
British Columbia	133	1,141	4,103,334	202,790	3,508,996	6,112,753	9,854,127
1958							
Canada	1,599	36,002	119,980,755	4,569,197	170,066,471	220,598,291	393,572,590
Newfoundland	3	38	106,739	5,493	96,422	119,863	219,390
Nova Scotia	15	78	228,355	63,286	117,508	312,366	488,629
New Brunswick	14	334	1,014,555	75,044	1,109,468	1,757,154	2,891,168
Quebec	499	11,238	34,008,862	1,306,609	53,166,715	60,868,416	115,580,521
Ontario	791	21,813	75,875,253	2,662,404	105,030,907	141,229,396	247,191,830
Manitoba	59	751	2,235,704	116,417	4,369,538	4,522,400	8,967,065
Saskatchewan	19	120	366,765	32,350	247,566	659,603	939,854
Alberta	61	492	1,870,222	103,984	2,234,938	3,833,243	6,125,721
British Columbia	138	1,138	4,274,300	203,610	3,693,409	7,296,210	11,168,412

¹ Commencing with 1952 gross value of production was replaced by value of factory shipments.

² 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."

TABLE 2. Principal Statistics of the Industries comprising the Miscellaneous Industries Group, 1958

Industry	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	Selling value of factory shipments
	number			dollars			
Artificial flowers and feathers	42	494	1,090,798	25,638	1,345,310	1,927,031	3,268,094
Brooms, brushes and mops	95	2,130	5,858,945	179,384	8,645,863	10,031,186	18,997,463
Buttons, buckles and fasteners	44	1,522	4,515,296	143,754	5,558,366	7,597,249	13,086,245
Candles	21	250	763,136	51,512	1,269,446	1,760,526	3,042,627
Clocks, watches and watch cases	37	1,069	3,860,418	58,314	8,214,018	7,395,533	15,784,093
Fountain pens and pencils	17	1,138	3,382,285	87,156	5,504,538	6,925,517	12,654,239
Hair goods, animal and human	12	138	392,789	34,100	661,197	598,173	1,293,710
Ice, artificial	48	397	1,323,177	428,423	247,728	2,587,333	3,244,228
Instruments and related products	83	6,960	30,243,321	654,881	41,435,857	50,483,863	91,616,218
Lamps, electric, and lamp shades	66	1,193	3,006,376	106,667	6,281,026	5,940,178	12,460,943
Models and patterns (except paper)	80	558	2,515,262	71,297	979,852	3,677,894	4,672,217
Musical instruments	24	1,433	4,817,056	176,008	5,079,027	11,183,168	16,352,254
Ophthalmic goods	39	1,080	3,251,950	91,516	3,172,989	3,844,548	7,025,458

TABLE 2. Principal Statistics of the Industries comprising the Miscellaneous Industries Group, 1958 - Concluded

Industry	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	Selling value of factory shipments
	number		dollars				
Orthopaedic and surgical ap- pliances.....	36	350	997,322	28,509	863,888	1,741,009	2,624,405
Pipes, lighters and other smo- kers' supplies.....	14	151	473,069	19,263	983,820	1,020,034	2,143,514
Plastics products.....	198	5,186	16,307,962	868,627	36,855,300	36,750,031	73,857,408
Signs and displays.....	356	3,638	13,467,853	656,748	11,202,953	22,240,362	34,007,650
Sporting goods	95	2,152	6,315,049	240,306	8,018,530	11,929,399	20,453,260
Stamps and stencils, rubber and metal	69	927	3,277,528	90,483	1,963,875	4,778,438	6,866,633
Statuary, art goods and novelties	95	807	1,962,681	73,703	1,771,577	2,992,792	4,816,392
Toys and games	71	2,246	5,746,701	253,848	11,170,449	11,704,507	22,843,375
Typewriter supplies.....	9	418	1,405,117	51,812	2,978,720	2,989,893	6,043,444
Umbrellas	8	114	273,079	8,584	528,728	474,851	995,550
Miscellaneous.....	40	1,651	4,733,585	174,664	5,333,414	10,024,776	15,423,169
Totals	1,599	36,002	119,980,755	4,569,197	170,066,471	220,598,291	393,572,590

TABLE 3. Inventories¹ of the Miscellaneous Industries Group, 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening²				
Newfoundland.....	33,121	3,350	13,117	49,588
Nova Scotia	26,844	5,802	11,040	43,691
New Brunswick	507,911	249,358	424,835	1,182,104
Quebec	12,263,446	4,996,623	5,584,466	22,844,535
Ontario	19,143,900	12,736,066	16,749,923	48,629,889
Manitoba	684,386	81,445	343,150	1,108,981
Saskatchewan.....	69,106	14,064	7,138	90,308
Alberta	215,613	60,195	97,310	373,118
British Columbia	807,677	118,825	258,594	1,185,096
Canada	33,752,009	18,265,728	23,489,573	75,507,310
Closing:				
Newfoundland.....	20,098	3,350	15,505	38,953
Nova Scotia	55,588	12,323	9,050	76,961
New Brunswick	377,700	324,468	400,223	1,102,391
Quebec	12,609,023	4,040,316	6,301,992	22,951,331
Ontario	20,826,932	13,890,837	17,326,011	52,043,780
Manitoba	760,594	77,101	388,423	1,226,118
Saskatchewan.....	76,411	17,236	3,631	97,278
Alberta	258,181	56,012	147,937	462,130
British Columbia	794,077	128,185	274,051	1,196,313
Canada	35,778,604	18,549,828	24,866,823	79,195,255

¹ Book value of all manufacturing inventories held at plant and plant warehouses.

² The opening inventory for 1958 differs from the closing inventory published for 1957 because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms which did not operate during 1958.

Artificial Flowers and Feathers

The level of operations in this industry rose from 1957 to 1958 with 42 establishments having factory shipments valued at \$2,865,924 in 1957 as opposed to the same number of establishments with factory shipments amounting to \$3,268,094 in the year under review. Employment was given to 494 persons, 3 more than the year before while the

payroll increased from \$1,036,607 to \$1,090,798, a raise of 5 per cent. Materials used cost \$1,345,310 in 1958, a marked increase over the \$1,123,129 in 1957.

The industry is practically confined to the provinces of Ontario and Quebec. With 25 estab-

lishments, Quebec accounted for 63 per cent of both the persons engaged in the industry and the shipments. Ontario accounted for the balance of employment and shipments except for the contribution of one firm in both Manitoba and Saskatchewan.

Artificial flowers, the principal items of production, were shipped in the amount of \$1,718,175 in 1958. Second in importance were feathers and feather trimmings valued at \$614,005. For further details of products, see Table 5.

TABLE 4. Principal Statistics, Representative Years, 1927-58

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 ¹
	number				dollars		
1927	7	166	127,924	654	161,121	261,666	423,441
1932	4	99	57,640	527	40,204	76,940	117,671
1937	19	350	201,689	1,566	170,919	354,405	526,890
1939	23	490	314,374	3,284	342,485	450,620	796,389
1942	26	657	521,455	8,519	450,047	723,398	1,181,964
1945	30	689	706,074	8,193	796,486	1,293,186	2,097,865
1946	35	749	827,817	10,269	867,783	1,440,324	2,318,376
1947	41	687	796,704	12,351	680,430	1,250,543	1,943,324
1948	36	710	888,196	16,427	888,275	1,444,082	2,348,784
1949	38	677	915,935	12,761	1,133,009	1,570,532	2,716,302
1950	38	709	957,887	12,195	960,508	1,688,243	2,660,946
1951	39	676	996,264	12,912	1,050,488	1,676,903	2,740,303
1952	42	573	875,051	13,390	1,054,829	1,607,121 ²	2,675,340
1953	45	516	926,600	18,292	1,076,417	1,665,843 ²	2,760,552
1954	43	503	931,675	27,228	952,970	1,596,385	2,558,585
1955	44	468	904,149	28,883	993,903	1,508,317	2,530,755
1956	40	480	886,218	27,148	1,043,393	1,510,570	2,556,704
1957							
Canada	42	491	1,036,607	27,487	1,123,129	1,727,223	2,865,924
Quebec	25	302	636,402	15,652	809,805	940,975	1,775,978
Ontario and Manitoba	17 ³	189	400,205	11,835	313,324	786,248	1,089,946
1958							
Canada	42	494	1,090,798	25,638	1,345,310	1,927,031	3,268,094
Quebec	25	309	671,760	14,600	955,691	1,125,693	2,073,453
Ontario and Manitoba and Sask- atchewan	17 ⁴	185	419,038	11,038	389,619	801,338	1,194,641

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ Manitoba 1.

⁴ Manitoba 1 and Saskatchewan 1.

TABLE 5. Factory Shipments 1957 and 1958

Products	1957	1958
	Selling value at factory	Selling value at factory
	dollars	
Artificial flowers:		
Silk, velvet and cotton	829,264	974,042
Crepe paper	267,372	137,906
Other	562,347	606,227
Feathers, all kinds	232,120	272,219
Feather trimmings	176,969	341,786
Wreaths, decorative and memorial	358,612	356,908
All other products	439,240	579,006
Total value of products	2,865,924	3,268,094

Candles

In 1958, reports were received from 21 establishments engaged primarily in the manufacture of candles. Fifteen of these establishments were located in Quebec, two in Ontario and one each in Manitoba, Saskatchewan, Alberta and British Columbia. As indicated by the number of establishments, Quebec occupied the leading position in the industry with a high percentage of the number of persons employed and of the value of goods shipped.

The factory shipments made by the industry in 1958 were valued at \$3,042,627, as opposed to \$2,909,924 in the previous year. Employment was afforded to 250 persons, 1 less than in 1957, while the payroll at \$763,136 was higher by \$77,440. The cost of materials used was \$1,269,446.

Religious candles are the principal commodity manufactured by the industry. In 1958 the shipments of these were as follows: 7-day lights, 150,615 dozen

valued at \$1,020,448; candles, 814,527 pounds at \$697,259; votive lights, all kinds, 2,267,208 dozen at \$650,540. Other main items in order of importance were coloured and fancy candles including wax novelties, 523,660 dozen at \$491,276; and household candles, 946,553 pounds at \$118,447.

The chief material was paraffin of which 1,704,303 pounds refined and 4,518,299 pounds crude were used, costing \$166,108 and \$361,906 respectively. Beeswax was consumed in the amount of 283,292 pounds worth \$183,026. The consumption of stearic acid was 215,171 pounds costing \$33,802.

Imports of paraffin wax candles amounted to 429,636 pounds valued at \$138,023; and those of other candles to 79,711 pounds valued at \$33,666. Exports of candles were 50,656 pounds with a value of \$31,759.

TABLE 6. Principal Statistics, Representative Years, 1928-58

Year	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 ¹
	number				dollars		
1928	11	75	67,255	5,598	217,742	237,512	460,852
1933	12	109	115,035	7,428	154,553	202,856	364,837
1939	12	141	165,961	8,734	249,638	406,694	665,066
1942	12	187	225,407	13,790	498,569	520,123	1,032,482
1945	12	252	326,739	21,535	666,462	829,190	1,517,187
1947	12	267	419,672	25,502	1,094,938	1,110,564	2,231,004
1949	14	278	461,873	31,063	828,911	1,260,764	2,120,738
1950	13	228	427,644	26,076	853,846	1,172,015	2,051,937
1951	13	230	439,841	31,590	964,541	1,237,162	2,233,293
1952	12	210	452,141	30,159	909,497	1,290,086 ²	2,229,742
1953	14	231	508,364	34,393	941,195	1,489,068 ²	2,464,565
1954	15	244	592,266	34,812	1,102,580	1,575,552	2,700,401
1955	15	224	566,958	37,228	1,137,845	1,470,731	2,625,924
1956	15	232	681,192	50,805	1,245,053	1,626,793	2,789,956
1957	19	251	685,696	56,448	1,324,732	1,577,761	2,909,924
1958	21	250	763,136	51,512	1,269,446	1,760,526	3,042,627

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

TABLE 7. Factory Shipments, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
Candles and cierges:		\$		\$
Household, coloured, fancy, etc.:				
Household candles, paraffin wax	lb. 959,760	118,804	446,553	118,447
Coloured and fancy, including wax novelties	doz. 672,841	454,637	523,660	491,276
Church, chapel, synagogue, etc.:				
Beeswax candles and cierges	lb. 485,214	538,745	445,836	513,485
Composition candles and cierges	" 333,874	171,932	368,691	183,774
7-day lights, bees wax and vegetable oils	doz. 18,109	259,364	19,256	288,438
7-day lights, composition, other	" 122,892	693,758	131,359	732,010
Votive lights, all kinds	" 2,129,859	599,793	2,267,208	650,540
Incense	lb. 1	1	1	1
Incensed charcoal	1	1	1	1
All other products	—	72,891	—	64,657
Total value of products	—	2,909,924	—	3,042,627

¹ Confidential, included with "All other products".

Clocks, Watches and Watch Cases

This industry is comprised of establishments primarily engaged in the manufacture of clocks and watches, including materials and parts for the same. It includes establishments whose principal activity is assembling clocks and watches from purchased movements and from watchcases of both their own and other manufacture. The purchase of complete watches and the attachment of straps or bands thereto is not considered a manufacturing activity. In addition to clocks and watches, interval timers, spring-wound and electric, unassembled movements and bracelets are among the products manufactured by these plants.

Clock and watch manufacturers were classified with the jewellery industry until 1947 at which time they were transferred to the scientific and profes-

sional equipment industry. In 1951 they were removed from this latter industry and classified separately.

In 1958 reports were received from 37 establishments, 2 more than in 1957. Nineteen of the establishments were located in Quebec, 15 in Ontario and 3 in Manitoba. Shipments of goods in the later year were valued at \$15,784,093 compared with shipments worth \$17,086,790 in the earlier. Employment stood at 1,069 in 1958, lower than 1,073 in 1957. Salary and wage payments were \$3,860,418 which was an increase of \$116,841 over those of 1957. The materials consumed in manufacture cost \$8,214,018 in 1958 compared with \$8,813,098 in 1957.

Information on shipments, imports and exports will be found in the Tables which follow.

TABLE 8. Principal Statistics, 1951 - 58

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 ¹
	number			dollars			
1951	29	1,185	2,991,396	35,174	5,777,790	4,778,441	10,591,405
1952	31	1,032	2,853,417	33,103	5,162,619	5,839,870 ²	11,035,592
1953	34	1,190	3,498,817	38,180	7,103,175	5,528,274 ²	12,669,629
1954	35	1,106	3,372,014	50,446	6,110,485	6,133,062	12,238,697
1955	35	1,107	3,501,645	52,343	7,027,734	6,945,639	14,299,124
1956	33	1,119	3,638,944	56,180	7,825,135	7,953,540	15,744,711
1957							
Canada	35	1,073	3,743,577	56,937	8,813,098	8,588,285	17,086,790
Quebec	19	206	721,343	13,118	2,275,804	1,505,127	3,681,014
Ontario and Manitoba	16 ³	867	3,022,234	43,819	6,537,294	7,083,158	13,405,776
1958							
Canada	37	1,069	3,860,418	58,314	8,214,018	7,395,533	15,784,093
Quebec	19	206	728,437	11,881	2,050,497	1,550,873	3,582,634
Ontario and Manitoba	18	863 ⁴	3,131,981	46,433	6,163,521	5,844,660	12,201,459

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ Manitoba 2.

⁴ Manitoba 3.

TABLE 9. Clocks, Watches and Watch Cases from all Industries, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Clocks, electric, kitchen	313,453	1,115,316	325,364	1,204,654
Clocks, electric, alarm	139,839	583,503	170,895	666,645
Clocks, electric, other	82,098	563,143	68,827	521,964
Clocks, not electric, mantel and wall types	6,598	17,182	3,062	10,217
Clocks, not electric, other types	651,508	1,607,943	690,631	1,727,831
Watches, wrist	665,392	9,723,180	670,447	9,594,090
Watches, other	477,549	932,936	411,643	1,101,649
Watch cases	—	1,019,994	—	597,957
Totals	—	15,563,197¹	—	15,425,007

¹ Of the figure \$15,563,197 for 1957, shipments from the clock, watch and watch case industry alone total \$14,572,364. Other products, details of which may not be revealed, bring the total of the industry up to \$17,086,790.

TABLE 10. Imports of Clocks and Watches and Parts

Articles imported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Clocks and parts:				
Alarm clocks	845,046	2,320,848	539,827	947,508
Other clocks			239,035	1,095,205
Clock movements, clock cases and clockwork mechanisms	—	240,950	—	201,886
Parts of clock movements or of clockwork mechanisms, finished or unfinished, not including plates	—	609,387	—	414,747
Springs of iron and steel, for use exclusively in the manufacture of clocks	—	9,716	—	7,092
Watches and parts:				
Watches, over one jewel	—	1,378,728	—	1,475,592
Watches, one or no jewel	—	507,259	—	490,774
Watch cases and parts thereof, finished or unfinished	—	1,668,062	—	1,331,677
Watch actions, over one jewel	—	5,296,700	—	4,526,900
Watch actions, one or no jewel	—	360,785	—	502,241
Parts of watch movements, finished or unfinished	—	668,947	—	459,743
Time recorders	—	289,995	—	201,137

TABLE 11. Exports of Clocks and Watches and Parts

Articles exported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Clocks and parts	68,222	370,371	84,213	423,839
Watches and parts	237,422	700,944	193,861	562,363

Fountain Pens and Pencils

This industry has grown from one comprised of three establishments with a million dollar output in 1926 to one of 18 establishments producing over thirteen million dollars worth of goods in 1957. The greater part of this increase occurred during the war and immediate post-war years. A substantial portion of it was effected through increased exports, the peak year for exports being 1947 during which fountain pens, pencils and parts approximating four million dollars in value were exported.

In 1958 reports were received from 17 establishments located as follows: British Columbia 1, Ontario 9 and Quebec 7. These establishments shipped goods with a selling value at factory of

\$12,654,239, gave employment to 1,138 persons who were paid \$3,382,285 in salaries and wages, and consumed materials costing \$5,504,538.

In 1958 ball point pens (including liquid lead pencils) continued to replace fountain pens as the leading commodity of the industry, with shipments of 1,764,053 dozen valued at \$3,504,356. The quantity of fountain pens shipped rose slightly to 274,878 dozen but the value fell to \$2,122,659. Shipments of 468,899 dozen black lead non-mechanical pencils valued at \$2,065,247 occupied third place.

Detailed information concerning shipments, imports and exports appears in Tables 13, 14 and 15 which follow.

TABLE 12. Principal Statistics, Representative Years, 1926 - 58

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 ¹
	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 ²	9,473,760
1953	17	1,169	2,903,588	66,904	4,115,356	6,514,328 ²	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	12,487,690
1957							
Canada	18	1,145	3,410,853	87,765	5,651,632	7,838,336	13,218,019
Quebec and British Columbia	9 ³	482	1,326,346	27,409	2,762,020	3,062,729	5,758,214
Ontario	9	663	2,084,507	60,356	2,889,612	4,775,607	7,459,805
1958							
Canada	17	1,138	3,382,285	87,156	5,504,538	6,925,517	12,654,239
Quebec and British Columbia	8 ³	520	1,339,984	27,523	2,893,016	2,647,171	5,633,933
Ontario	9	618	2,042,301	59,633	2,611,522	4,278,346	7,020,306

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ British Columbia 1.

TABLE 13. Factory Shipments, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Fountain pens doz.	210, 104	2, 720, 709	274, 878	2, 122, 659
Fountain pen nibs, holders and other parts	—	481, 140	—	415, 397
Ball point pens (including liquid lead pencils) doz.	1, 326, 495	3, 381, 915	1, 764, 053	3, 504, 356
Refills for ball point pens and liquid lead pencils "	545, 443	975, 185	626, 554	962, 268
Non-mechanical pencils, black lead gross	470, 104	2, 155, 652	468, 899	2, 065, 247
Non-mechanical pencils, other "	157, 915	1, 048, 958	166, 663	1, 078, 334
Pencils, mechanical doz.	126, 904	512, 663	111, 215	473, 065
Leads for pencils	—	161, 330	—	184, 903
Desk sets	—	253, 299	—	285, 232
Other stationery supplies	—	1, 083, 586	—	1, 253, 599
All other products	—	371, 628	—	280, 402
Amount received for repairs	—	71, 954	—	78, 777
Total value of products	—	13, 218, 019	—	12, 654, 239

TABLE 14. Imports of Pens, Pencils and Parts, 1957 and 1958

Articles imported	1957		1958	
	Quantity	Value	Quantity	Value
		\$		\$
Fountain pens except ball points	—	133, 599	—	210, 142
Ball point pens and parts	—	2, 336, 562	—	2, 648, 561
Pencils, lead, non-propelling, with stationary lead gross	78, 035	166, 067	64, 663	144, 000
Pencils, lead, n.e.s. ¹	—	151, 623	—	140, 841
Pens, n.e.s., penholders and rulers of all kinds	—	284, 623	—	347, 252

¹ Not elsewhere specified.

TABLE 15. Exports of Pens, Pencils and Parts, 1957 and 1958

Articles Exported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Fountain pens including pen and pencil sets	—	673, 136	—	199, 968
Mechanical and propelling pencils	—	913	—	1, 498
Pens and pencils and parts, n.e.s.	—	324, 263	—	218, 421

Hair Goods

This industry consists of firms engaged in the processing of hair. In 1958 there were 12 such establishments located as follows: Quebec 3, Ontario 6, Manitoba 1 and British Columbia 2. These establishments reported shipments having a value of \$1,293,710, gave employment to 138 persons who received \$392,789 in salaries and wages, and consumed materials costing \$661,197. Comparable data for 1957 were: 13 establishments; shipments valued

at \$1,480,658; 128 employees; \$368,508 in salaries and wages; and \$831,627 for materials.

The processing of animal hair in 1958 amounted to 225,868 pounds valued at \$519,521. Included in the shipments of goods in 1958 was \$102,184 worth of wigs, toupees and switches compared with \$99,791 worth in 1957. The balance of the value of shipments was accounted for by the amounts received for all other products and for repairs.

Artificial Ice

Establishments whose principal activity is the manufacture of ice for sale are classified to this industry. Several of these establishments derive some of their revenue from cold storage but firms whose main concern is the manufacture of ice for their own refrigeration systems are excluded. The harvesting and storage of natural ice is not considered a manufacturing operation and establishments so engaged are also excluded.

In 1958 the industry was comprised of 48 establishments located as follows: Nova Scotia 4, New Brunswick 2, Quebec 5, Ontario 23, Manitoba 1,

Saskatchewan 1, Alberta 2, and British Columbia 10. The value of factory shipments for the year amounted to \$3,244,229. Employment was given to 397 persons who were paid \$1,323,177 in salaries and wages. Materials costing \$247,728 were consumed in production.

The industry shipped 381,285 tons of artificial ice in 1958 which compares with 528,929 tons shipped in the previous year. Trade in this commodity was on a limited scale only, exports amounting to \$23,407 and imports to \$5,284.

TABLE 16. Principal Statistics, Representative Years, 1927-58

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
	number				dollars		
1927	28	279	402,292	145,570	60,682	1,066,716	1,272,968
1929	31	303	408,581	158,197	76,919	1,247,662	1,482,778
1931	43	394	539,316	191,607	78,334	1,703,365	1,973,306
1933	43	358	421,567	169,967	51,325	1,281,948	1,503,240
1937	50	629	644,763	179,592	76,923	1,522,794	1,779,309
1939	49	643	704,951	196,530	74,341	1,622,292	1,893,163
1941	51	626	743,548	228,160	99,404	1,907,560	2,235,124
1945	56	871	1,335,515	305,519	125,792	3,190,353	3,621,664
1947	60	803	1,461,664	350,669	169,545	4,213,749	4,733,963
1949	69	894	1,810,364	512,474	173,687	5,116,274	5,802,435
1950	65	794	1,764,456	520,718	157,450	3,690,541	4,368,709
1951	77	1,174	2,890,750	616,293	159,765	5,231,305	6,007,363
1952	78	1,215	3,220,933	653,822	174,380	6,069,598 ¹	6,897,800
1953	77	931	2,614,595	657,087	160,407	4,986,284 ²	5,803,778
1954	69	673	1,897,668	576,461	129,443	3,801,310	4,513,431
1955	66	550	1,525,372	524,673	183,129	3,194,479	3,908,327
1956	52	461	1,439,031	473,131	243,612	2,892,516	3,606,992
1957							
Canada	50	435	1,391,418	501,853	282,405	2,738,815	3,539,897
Nova Scotia and New Brunswick	6 ³	45	142,995	80,820	14,622	240,280	335,732
Quebec	5	59	187,078	97,519	84,085	600,561	790,095
Ontario	25	237	739,193	203,426	99,936	1,205,419	1,506,895
Prairie Provinces	4 ⁴	31	115,593	53,155	46,119	342,683	440,468
British Columbia	10	63	206,559	66,933	37,643	349,872	466,707
1958							
Canada	48	397	1,323,177	428,423	247,728	2,587,333	3,244,229
Nova Scotia and New Brunswick	6 ³	43	137,222	86,667	17,717	228,367	329,281
Quebec	5	73	253,389	80,571	50,731	564,059	687,089
Ontario	23	187	604,669	145,764	94,690	1,073,654	1,309,211
Praire Provinces	4 ⁴	30	118,108	51,029	53,345	313,835	413,018
British Columbia	10	64	209,789	64,392	31,245	407,418	505,630

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ New Brunswick 2.

⁴ Manitoba 1, Saskatchewan 1, and Alberta 2.

Instruments and Related Products

This industry is the former Scientific and Professional Equipment Industry with the manufacturers of ophthalmic goods, and surgical and orthopaedic appliances removed. The change was made in 1956 and is reflected in the following table in the reduction in the number of establishments and employment. Shipments and value added, however, increased over 1955 in 1956, 1957 and 1958 despite the removal of almost half of the establishments. The removed establishments have been formed into the Ophthalmic Goods, and the Orthopaedic and Surgical Appliances Industries, the statistics of which are to be found on pages 18, 19 and 20 of this report.

The recently-constituted Instruments and Related Products Industry is comprised of establishments primarily engaged in manufacturing mechanical measuring and controlling instruments, except clocks and watches; dental, medical and surgical instruments and equipment; optical instruments and lenses; photographic equipment and supplies. There were

83 of these establishments in 1958 located provincially as follows: Ontario 55, Quebec 22, British Columbia 1, Alberta 3 and Manitoba 2.

Factory shipments totalling \$91,616,218 were reported by the industry in the year under review. Employment was given to 6,960 persons who received \$30,243,321 in salaries and wages. Materials, costing \$41,435,857 were used in manufacture.

While information of the commodities in this industry is collected in detail, the data must often be suppressed because too few establishments are involved to permit publication without divulging the figures of individual establishments. Such is the case with engineering and optical instruments, and photographic equipment and supplies. However, it is usually possible to meet the confidence requirements and still publish useful figures by effecting appropriate combinations of the commodity data. Table 18 gives the commodities manufactured by the industry in as much detail and with as much detail and with as much meaning as possible.

TABLE 17. Principal Statistics, Representative Years, 1927-58

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 ¹
	number				dollars		
1927	21	1,104	1,421,809	61,278	3,616,016	4,138,134	7,815,428
1929	23	953	1,258,790	63,969	3,199,528	4,900,154	8,163,651
1933	27	809	946,850	67,784	1,580,612	2,853,585	4,501,981
1939	31	1,125	1,561,953	68,929	2,427,823	4,225,180	6,721,932
1941	42	3,853	5,218,575	198,066	8,791,848	7,256,603	16,246,517
1944	48	9,844	19,734,303	363,257	34,592,256	43,578,970	78,534,483
1946	45	2,226	4,070,084	145,030	5,979,164	8,260,375	14,384,569
1947	71	3,923	7,440,830	221,373	9,118,803	12,245,656	21,585,832
1948	81	3,791	8,666,159	246,218	10,604,599	15,657,407	26,508,224
1949	91	4,781	10,984,607	289,153	13,895,560	19,003,380	33,188,093
1950	97	4,810	11,842,620	297,097	13,378,949	17,980,249	31,656,295
1951	100	4,174	12,035,607	345,768	14,150,895	22,499,682	36,996,345
1952	116	5,396	16,627,838	377,970	15,554,628	28,059,219 ²	43,991,817
1953	128	6,642	22,107,369	429,594	22,010,622	38,588,436 ²	61,028,652
1954	139	6,755	22,519,467	523,231	22,824,964	38,070,305	59,743,340
1955	151	6,514	22,957,061	569,441	22,789,219	40,149,398	63,223,468
1957							
Canada	78	6,301	25,507,969	644,341	28,685,763	51,366,881	79,076,692
Quebec	21	1,780	7,136,963	102,019	8,292,343	10,484,518	18,622,514
Ontario	50	4,490	18,270,189	537,205	20,280,671	40,748,834	60,206,143
Manitoba and Alberta	3 ³	14	41,869	872	106,989	78,843	182,570
British Columbia	4	17	58,948	4,245	5,760	54,686	65,465
1958							
Canada	83	6,960	30,243,321	654,881	41,435,857	50,483,863	91,616,218
Quebec	22	1,625	7,056,952	98,435	10,218,193	8,353,533	19,472,024
Ontario	55	5,316	23,122,495	554,476	31,083,301	41,896,104	71,762,466
Manitoba and Alberta	6 ⁴	19	63,874	1,970	134,363	234,226	381,728
British Columbia							

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ Manitoba 1, Alberta 2.

⁴ Manitoba 2, Alberta 3, and British Columbia 1.

TABLE 18. Factory Shipments, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Thermometers, industrial and laboratory	42,777	508,829	52,149	543,795
Thermometers, other	490,584	233,975	464,384	232,098
Pyrometers, thermocouples and accessories	—	1,400,637	—	946,136
Temperature and hygrometric instruments and accessories, other	—	6,653,324	—	9,737,570
Electric quantity instruments and accessories	—	807,576	—	844,230
Pressure measuring instruments, gauges and accessories	—	1,601,708	—	598,905
Flow and liquid level instruments and accessories	—	1,617,364	—	3,752,945
Parking meters	8,099	544,610	7,677	600,147
Mechanical motion, rotation, timing and cycle instruments and accessories, n.e.s.	—	1,277,415	—	2,413,605
Aircraft engine and flight instruments; aircraft and nautical navigational instruments and apparatus	—	13,555,360	—	15,557,307
Control valves and regulators, except voltage	—	3,009,147	—	4,320,635
Geophysical instruments except electric quantity	—	608,584	—	725,165
Combination instruments	—	6,412,769	—	4,662,881
Dental, surgical and medical instruments	—	103,543	—	1
Optical instruments	—	1	—	1
All other scientific and professional equipment	—	28,943,806 ¹	—	29,703,575
All other products	—	1,109,495	—	4,662,881
Amount received for custom work and repairs	—	10,688,550	—	12,314,343
Totals	—	79,076,692	—	91,616,218

¹ In 1957 and 1958, "All other scientific and professional equipment" included confidential figures for engineering, optical, and other instruments, apparatus, and equipment, and photographic equipment and supplies.

TABLE 19. Imports of Instruments and Related Products

Articles imported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Photographic equipment and supplies:				
Cinematograph and motion picture cameras, for professional use, and parts	—	76,895	—	188,126
Cameras and camera parts, n.e.s.	—	6,819,083	—	7,488,136
Camera parts, in the rough, for the manufacture of cameras	—	179,607	—	193,271
Camera lenses and shutters for the manufacture of cameras	—	486,861	—	581,048
Films, X-ray	—	3,246,719	—	2,844,487
Films, chemically prepared for photographers use	—	5,761,113	—	6,593,214
Films, hypersensitive or super-sensitive panchromatic, and infra-red films, unexposed, for aerial photography	—	24,909	—	73,279
Sensitized negative film, one and one eighth inch in width or over for exposure in motion picture cameras	—	147,590	—	149,085
Photographic dry plates	—	183,968	—	173,977
Photoflash lamps	460,034	29,778	3,109,466	201,786
Photographic accessories, except cameras and parts, equipment used in developing, printing and finishing photographs; parts of all the foregoing	—	5,951,345	—	6,216,740
Photographers papers albumenized and other chemically prepared, n.e.s.	—	3,708,616	—	3,603,633
Instruments and apparatus:				
Chronometers and compasses, and parts, including cards, not made in Canada, for ships and aircraft	—	298,374	—	338,911
Cyclometers, pedometers, speedometers, and parts	—	358,400	—	307,768
Dental instruments of any material; dental chairs; dental units; microscopes valued at not less than \$50 each, retail; parts ..	—	2,185,297	—	2,996,080
Engineers', surveyors', draftsmen's, machinists or metal workers' precision tools and measuring instruments, geophysical surveying instruments and parts. Photogrammetric instruments for use in the interpretation of photographs and in the preparation of maps from photographs	—	7,084,642	—	6,626,857
Globes, geographical, topographical and astronomical	—	188,193	—	248,745
Optical, philosophical, photographic and mathematical instruments, n.e.s., and parts	—	4,648,362	—	4,912,255
Oven thermostats, automatic oven lighters and dual valves for gas stoves	—	78,319	—	77,657
Philosophical and scientific apparatus, for use by institutions, hospitals and schools	—	7,270,138	—	8,730,945
Thermometers, including clinical thermometers	—	1,353,001	—	1,429,412
Surgical instruments and parts	—	5,501,809	—	6,496,129
Artificial teeth, not mounted, and materials for the manufacture thereof	—	1,251,285	—	1,387,533
Lenses, glass, n.e.s.	—	307,969	—	315,826

TABLE 20. Exports of Instruments and Related Products

Articles exported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Cameras	1,393	283,003	1,136	155,287
Camera parts	—	14,117	—	21,374
Dental and surgical apparatus and instruments, and hospital equipment	—	1,908,373	—	1,379,796
Films, X-ray	—	4,387	—	3,251
Films, n.e.s.	—	2,050,500	—	2,314,128
Motion picture apparatus	—	24,911	—	15,526
Philosophical and scientific apparatus and instruments, n.o.p.	—	2,152,959	—	3,459,228

Electric Lamps and Lamp Shades

The manufacturers of electric lamps and lamp shades were classified to a separate industry for the first time in 1939. Prior to then the majority of them were to be found in the statuary and art goods industry with the remaining few in several other industries.

The industry has experienced substantial growth since 1939 as evidenced by the fact that gross value of production in that year was \$1,018,254 as compared with factory shipments of \$12,460,943 in 1958. In the earlier year the industry manufactured 167,159 electric lamps of all kinds as against 1,571,890 in the latter year. Lamp shade production for the same two years amounted to 411,216 and 1,251,034.

In 1958 reports were received from 86 establishments of which 36 were in Quebec, 24 in Ontario, 2 in Manitoba, 4 in British Columbia. Factory shipments made by these establishments were valued at \$12,460,943 compared with \$11,701,618 in 1957. Employment fell to 1,193 persons from the previous year's figure of 1,240 and salaries and wages increased from \$2,982,792 to \$3,006,376 over the two years. Cost of materials consumed was \$6,281,026 slightly above the \$6,035,408 total of 1957.

Table 22 which follows contains detailed information of the industry's shipments for 1957 and 1958.

TABLE 21. Principal Statistics, Representative Years, 1939 - 58

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 ¹
	number			dollars			
1939	25	368	328,365	8,926	486,434	522,894	1,018,254
1941	25	540	535,490	12,666	755,948	772,070	1,540,684
1942	28	578	649,062	16,018	837,579	1,053,341	1,906,938
1943	24	478	553,044	13,971	611,338	762,697	1,388,006
1945	28	651	768,117	20,729	1,115,817	1,355,273	2,491,819
1946	35	914	1,137,804	26,467	2,129,128	2,137,497	4,293,092
1947	42	845	1,148,954	34,789	1,770,414	1,828,889	3,634,092
1948	44	905	1,358,103	35,934	2,048,504	2,530,630	4,615,068
1949	45	1,078	1,828,258	43,976	2,761,502	3,187,711	5,993,189
1950	49	1,159	2,131,637	63,292	3,443,998	3,551,928	7,059,218
1951	55	1,164	2,167,450	80,415	3,624,308	3,690,651	7,395,374
1952	59	1,245	2,426,725	83,434	4,516,335	4,514,199 ²	9,113,968
1953	57	1,288	2,662,792	88,568	4,651,902	4,606,284 ²	9,346,754
1954	66	1,279	2,630,614	95,894	4,486,425	4,822,256	9,375,993
1955	65	1,283	2,789,442	109,991	4,817,295	4,980,403	9,805,158
1956	71	1,332	3,072,033	107,549	6,037,658	5,341,414	11,433,019
1957							
Canada	70	1,240	2,982,792	104,562	6,035,408	5,587,794	11,701,618
Quebec	38	603	1,369,094	44,835	3,190,504	2,437,652	5,641,710
Ontario	25	558	1,393,280	51,897	2,468,785	2,799,914	5,335,406
Manitoba and British Columbia	7	79	220,418	7,830	376,119	350,228	724,502
1958							
Canada	66	1,193	3,006,376	100,667	6,281,026	5,940,178	12,460,943
Quebec	36	553	1,326,367	41,237	3,259,587	2,408,288	5,835,350
Ontario	24	557	1,450,514	51,750	2,658,308	3,118,262	5,843,099
Manitoba and British Columbia	6	83	229,495	7,680	363,131	413,628	782,494

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

TABLE 22. Factory Shipments, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Lamps, electric:				
Floor	225,831	2,509,539	265,407	2,897,849
Table	744,468	4,573,656	787,150	4,936,775
Other	356,663	965,362	519,333	1,150,501
Lamp shades:				
Silk	129,186	337,124	159,118	369,884
Parchment	252,900	349,103	178,933	326,625
Plastic	539,749	515,794	220,184	233,547
Fibreglass	532,447	843,714	666,288	1,023,338
Other	14,693	33,277	26,511	12,528
Lamp and shade parts	—	178,931	—	151,102
Smoking sets	85,697	501,624	64,594	392,968
Novelties, all kinds	—	45,553	—	35,516
All other products	—	725,967	—	908,744
Amount received for custom work and repairs	—	121,974	—	21,566
Totals	—	11,701,618	—	12,460,943

Models and Patterns (Except Paper)

The Standard Industrial Classification, which was adopted in 1949, classified to the group "Miscellaneous Manufactures" establishments whose principal products were models and patterns other than paper. These establishments, which under the former scheme of classification were found for the most part in the miscellaneous wood products industry, were transferred to "Miscellaneous Manufactures" in 1950 where they were formed into an industry entitled "Models and Patterns (Except Paper)".

The industry in 1958 consisted of 80 establishments distributed provincially as follows: Quebec 18, Ontario 54, Manitoba 2 and British Columbia 6.

These establishments reported factory shipments worth \$4,672,217. The payroll consisted of 558 employees who received \$2,515,262. Materials and supplies costing \$979,852 were consumed in manufacture. Comparable data for 1957 were 77 establishments, 606 employees, \$2,570,038 for salaries and wages, \$4,844,492 for value of factory shipments, and \$1,013,168 for cost of materials.

Patterns and models which account for most of the industry's output were reported to the extent of \$2,605,699 and \$3,390,167 in 1957 and 1958, respectively. Molds were reported to the value of \$984,663 in 1958. Sundry items accounted for the balances in the two years.

Ophthalmic Goods

Prior to 1956 establishments engaged in grinding ophthalmic lenses and in manufacturing other ophthalmic goods were classified to the Scientific and Professional Equipment Industry. In 1956 these establishments were removed and grouped together to form the Ophthalmic Goods Industry.

In 1958 there were 39 such establishments located as follows: Nova Scotia 1, New Brunswick

3, Quebec 10, Ontario 19, Manitoba 1, Saskatchewan 1, and Alberta 4. The value of factory shipments amounted to \$7,025,458. The payroll consisted of 1,080 persons who received salary and wage payments of \$3,251,950. Materials used in manufacture cost \$3,172,989.

Details of shipments, imports and exports are given in Tables 23, 24 and 25.

TABLE 23. Factory Shipments, Ophthalmic Goods, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Lenses for spectacles No.	4,058,007	3,336,311	4,031,679	3,601,348
Spectacles complete pr.	151,215	1,104,069	132,611	1,209,466
Sunglasses 1	1	1	1	1
All other ophthalmic goods	—	1,634,535	—	1,942,425
All other products	—	308,606	—	272,219
Totals	—	6,383,521	—	7,025,458

¹ Confidential. Included with "All other ophthalmic goods".

TABLE 24. Imports of Ophthalmic Goods

Articles imported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Spectacles, eye-glasses and ground or finished spectacle or eye-glass lenses, n.e.s.	—	1,048,385	—	949,904
Spectacles and eye-glass frames, and parts, n.e.s.	—	3,106,479	—	2,961,704
Parts, unfinished, for the manufacture of spectacles and eye-glass frames	—	413,671	—	521,833
Artificial eyes for human use, and contact eye glasses or lenses	—	8,158	—	12,953

TABLE 25. Exports of Ophthalmic Goods

Articles exported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Goggles and spectacles and parts	—	46,284	—	38,833
Lenses of glass, rough or finished	—	435,338	—	463,893

Orthopaedic and Surgical Appliances

Manufactures of orthopaedic and surgical appliances were withdrawn from the Scientific and Professional Equipment Industry in 1956 to form a separate industry. In 1958 there were 36 such establishments located as follows: New Brunswick 1, Quebec 6, Ontario 16, Manitoba 5, Alberta 2 and British Columbia 6.

Factory shipments by the industry in 1958 were valued f.o.b. plant at \$2,624,405. The payroll con-

sisted of 350 persons who received salary and wage payments of \$997,322. Materials used in manufacture cost \$863,888.

Table 26 shows a detailed breakdown of the orthopaedic and surgical appliances shipped by Canadian manufacturers in 1957 and 1958. Details of imports of these commodities into Canada during these years are given in Table 27.

TABLE 26. Factory Shipments, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Artificial limbs No.	2,445	330,855	1,281	366,505
Trusses "	43,456	201,511	35,710	173,223
Surgical belts "	52,467	229,075	32,655	181,583
Arch supports pr.	43,004	130,421	¹	¹
Orthopaedic corsets "	17,192	114,808	29,065	196,697
Surgical supports, other No.	181,484	259,464	¹	¹
Elastic stockings "	116,122	157,149	¹	¹
Braces, spinal "	2,234	122,762	2,786	138,405
Braces, other "	5,909	173,763	4,782	191,660
All other surgical and orthopaedic appliances	—	590,925	—	1,178,940
All other products	—	532,636	—	197,392
Totals	—	2,843,369	—	2,624,405

¹ Included with "All other surgical and orthopaedic appliances".

TABLE 27. Imports of Orthopaedic and Surgical Appliances

Articles Imported	1957		1958	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Artificial limbs and parts, and materials for	—	122,685	—	118,885
Appliances or boots for crippled or deformed foot or ankle....	—	4,531	—	¹
Spinal and other orthopaedic braces and parts thereof; appliances to be worn by the individual, and articles for their maintenance; materials, not mentioned elsewhere, for the manufacture of the foregoing.	—	106,592	—	146,224
Surgical trusses and suspensory bandages of all kinds, and abdominal supports	—	7,245	—	9,188

¹ Included with "Spinal and other orthopaedic braces".

Pipes, Lighters and Other Smokers' Supplies

Prior to 1947 this industry was comprised of establishments manufacturing tobacco pipes as principal product. It was quite a small industry then with never more than 6 establishments and an annual value of production ranging from \$17,000 to \$162,000. In 1947 the industry was expanded to embrace flints, lighters and other smokers' supplies with a consequent increase in establishments to 14 and of output to over \$2,000,000.

In 1958 factory shipments by the industry were valued at \$2,143,514, a decrease from the \$2,614,558 reported in 1957. Employment remained almost constant over the two years, while there was a decrease in salary and wage payments from \$555,995

to \$473,069. The cost of materials and supplies amounted to \$983,820 in 1958 compared to \$1,396,815 in 1957. There were 14 establishments in 1958, as compared to 13 in the previous year.

Details of the products shipped by the industry must be suppressed in order to avoid disclosure of figures of individual establishments. However, it is possible to publish figures as assembled from all industries for most of the main commodities produced in the pipes, lighters and other smokers' supplies industry. These, for 1958, are as follows: 13,417 dozen pipes valued at \$73,484; cigarette lighters, 541,266 at \$940,554; fluid for lighters, \$802,877.

Plastics Products

Until 1946, establishments manufacturing primary plastics or plastics products were included with 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 was split into two industries: the first, known as 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 and film; and the second, called 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 important to note that the plastics products industry includes only those fabricators which manufacture from plastics the kind of products not found elsewhere in the classification scheme. For example, women's aprons (including those of plastics materials) are classified to the women's factory clothing industry and establishments producing women's

plastic aprons as a principal product would be included with this industry. Similarly, manufacturers of plastic toys would be classified to the toy industry, of plastic handbags to the miscellaneous leather industry where the commodity handbags is to be found, etc. Some production of these commodities will, of course, be found in the plastics products industry, 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.

In 1958 the industry was comprised of 198 establishments distributed provincially as follows: Nova Scotia 1, New Brunswick 2, Quebec 61, Ontario 107, Manitoba 6, Alberta 6 and British Columbia 15. These establishments shipped goods with a value, f.o.b. plant, of \$73,857,408. The payroll listed 5,186 persons who received \$16,307,962 in salaries and wages. Materials having a cost of \$36,855,300 were used in manufacture.

The commodities shipped by the industry in 1958 are detailed in Table 29. Materials used are shown in Table 30.

TABLE 28. Principal Statistics, 1947-58

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 ¹
	number		dollars				
1947	81	2,503	3,910,567	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 ²	33,585,111
1953	152	4,067	10,138,910	425,819	18,725,905	18,858,821 ²	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	56,537,054
1957							
Canada	195	4,728	13,896,292	785,699	30,597,158	29,134,357	59,840,459
Quebec	60	1,491	4,225,573	277,150	10,691,349	9,410,544	20,212,105
Ontario	105	2,851	8,762,513	457,227	16,593,225	17,378,893	33,939,294
British Columbia	13	90	225,239	9,663	470,918	317,053	800,384
Other provinces	17 ³	296	682,967	41,659	2,841,666	2,027,867	4,888,676
1958							
Canada	198	5,186	16,307,962	868,627	36,855,300	36,750,031	73,857,408
Quebec	61	1,835	5,445,382	324,228	13,866,939	13,681,621	27,559,387
Ontario	107	2,957	9,728,299	489,617	18,711,548	19,928,561	38,971,466
British Columbia	15	107	287,551	14,161	655,710	681,281	1,320,257
Other provinces	15	287	846,730	40,621	3,621,103	2,458,568	6,006,298

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ Nova Scotia 1, New Brunswick 2, Manitoba 7, and Alberta 7.

⁴ Nova Scotia 1, New Brunswick 2, Manitoba 6, and Alberta 5.

TABLE 29. Factory Shipments, 1956 and 1958

Products	1957	1958
	Selling value at factory	Selling value at factory
dollars		
Household equipment and accessories:		
Dresserware	—	¹
Kitchenware	2,648,443	2,136,994
Tableware	1,926,385	2,946,840
Trays	318,247	398,009
Bags, garment, laundry, etc.	267,568	856,258
Covers, food and other	755,430	480,192
Curtains and drapes	403,412	871,900
Handles and knobs, for kitchenware and other household equipment	1,068,712	1,404,380
Hangers, garment	409,258	¹
Table cloths and covers	276,053	444,962
Food containers other than bags	1,320,208	1,666,828
Other household equipment and accessories, not elsewhere specified	1,727,219	2,344,647
Clothing and personal equipment:		
Aprons	34,896	²
Baby pants	²	²
Bibs	²	²
Headwear	²	²
Bags, knitting, hand, etc.	²	²
Bags, diaper, cosmetics, etc.	85,315	19,352
Brushes and brush parts	184,496	532,865
Buttons	²	—
Combs	1,012,524	1,087,429
Other clothing and personal equipment, not elsewhere specified	2,226,008	2,569,318
Miscellaneous plastics products:		
Automobile parts and accessories	1,421,197	1,331,347
Aircraft parts and accessories	461,537	453,013
Radio parts and accessories	349,404	352,869
Refrigerator parts and accessories	2,216,419	1,855,862
Electrical parts and accessories, other	3,279,922	3,380,932
Bags for packaging food, etc.	6,986,544	8,006,480
Bottle caps, closures, etc.	951,313	1,137,984
Boxes and cases for clocks, hosiery, jewellery, etc.	132,713	425,556
Boxes, other	719,372	604,407
Beauty parlor equipment and accessories	63,947	82,688
Garden hose	548,239	686,361
Handles, not elsewhere specified	380,030	450,795
Novelties	934,522	1,398,434
Nursery supplies	290,303	314,038
Signs and displays	343,002	452,000
Stationery goods	416,738	396,494
Toys	1,099,823	1,741,005
Tile, floor and wall	1,352,056	1,587,976
Pipe, extruded	2,370,517	2,986,911
Tubing, lacing, belting, etc., extruded	1,708,330	1,857,984
Other miscellaneous plastics products, not elsewhere specified	16,672,527	24,083,629
Non-plastic miscellaneous products	1,190,233	2,109,211
Custom work and repairs	287,597	401,458
Total value of products	59,840,459	73,857,408

¹ Included with "Other household equipment and accessories".² Included with "Other clothing and personal equipment, not elsewhere specified".

TABLE 30. Materials Used, Plastics Products, 1957 and 1958

Materials	1957			1958		
	Quantity		Cost at factory	Quantity		Cost at factory
	Moulding powders and compounds	Liquids, rods, bars, sheeting, etc.		Moulding powders and compounds	Liquids, rods, bars, sheeting, etc.	
	pounds		\$	pounds		\$
Synthetic resins:						
Phenol-aldehyde types:						
Phenol-formaldehyde, and other	4,372,035	5,923,684	2,203,938	4,764,868	7,753,933	2,505,802
Amino-aldehyde types:						
(a) Urea-formaldehyde, and other	2,302,881	744,280	472,157	2,554,890	—	484,675
(b) Melamine-formaldehyde	2,426,551	7,000	1,062,572	3,954,951	—	1,716,651
Alkyd types:						
Polyesters, and other	26,273	510,934	210,508	98,060	932,807	430,740
Polyamide types:						
Nylon, and other	270,577	6,520	342,835	293,756	11,794	367,092
Styrene types:						
(a) Polystyrene	10,814,369	541,637	3,989,147	14,612,251	365,448	4,393,232
(b) Other	1,709,602	171,580	669,764	1,297,684	105,002	763,997
Vinyl types:						
(a) Vinyl acetate	712,473	418,780	793,602	1,096,211	562,685	1,173,963
(b) Vinyl chloride	2,471,367	1,611,261	1,686,881	2,133,088	2,543,745	2,083,808
(c) n.e.s.	148,307	494,282	529,200	1,802,881	300,130	935,095
Polyethylene types	13,388,000	3,683,726	6,904,166	17,351,692	4,327,038	9,647,512
Acrylic types	493,442	461,686	693,284	556,305	186,407	462,436
Silicone types	1	1	1	1	—	1
Other synthetic resin types	1,152,529	23,317	917,363	114,200	538,864	288,972
Cellulose plastics:						
Cellulose nitrate:						
Celluloid and other	1,500	17,717	19,067	48,071	5,451,709	73,566
Cellulose acetate	488,854	208,336	410,977	464,713	173,057	416,344
Cellulose acetate butyrate	619,698	14,413	397,674	480,996	47,976	375,123
Ethyl cellulose	2	2	2	2	2	2
Cellulose film ("cellophane", etc.)	3,000	768,415	506,821	58,028	705,688	520,695
Other cellulose plastics	61,020	256,571	281,655	—	—	108,493
Other plastics	—	—	1,030,799	—	—	1,446,624
Other materials:						
Cotton fabrics	—	—	340,171	—	—	381,361
Other fabrics	—	—	231,640	—	—	98,226
Fiberglass	—	—	224,401	—	—	332,372
Paper	—	—	1,400,528	—	—	1,616,532
Rubber	—	—	204,843	—	—	243,607
Metals	—	—	441,713	—	—	439,981
Paints, lacquers, etc.	—	—	93,842	—	—	162,043
Shipping containers and packing materials	—	—	1,432,149	—	—	1,575,016
All other materials	—	—	3,105,461	—	—	3,811,342
Total cost of materials used	—	—	30,597,158	—	—	36,855,300

¹ Confidential. Included with "Other synthetic resin types".² Confidential. Included with "Other cellulose plastics".

Signs and Displays

This industry comprises establishments primarily engaged in the manufacture of signs, electric and non-electric, and advertising displays. It does not include establishments whose principal activity is the provision of advertising service or the erection and maintenance of signs.

Electric signs include those of neon and other luminous tubes, many of which are leased or rented. Signs, which were not sold outright are reported at the value they would have had they been sold. Beginning with 1955, the number and estimated value of leased or rented signs, which hitherto had been included in the industry totals, were removed. They are shown separately in a footnote to Table 32.

In 1958 reports were collected from 356 establishments compared with 342 establishments in 1957. Receipts from factory shipments, rentals, custom work and repairs amounted to \$34,007,650 compared with the 1957 figure of \$30,204,209. Employment rose to 3,638 in 1958 from 3,417 in the earlier year, and salaries and wages increased to \$13,467,853 from \$12,228,196 in 1957. Materials used cost \$11,202,953 in 1958 compared with \$10,490,282 the year before.

Details of the commodities shipped by the industry in 1958 are to be found in Table 32.

TABLE 31. Principal Statistics, Representative Years, 1935 - 58

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 ¹
	number				dollars		
1935	38	536	652,461	40,058	383,011	1,238,818	1,661,887
1938	46	673	894,397	51,084	476,586	2,022,775	2,550,445
1939	42	624	870,842	60,335	474,769	1,872,317	2,407,421
1941	39	656	1,026,142	90,287	558,320	2,602,609	3,251,216
1943	31	400	711,641	61,599	289,210	1,707,673	2,058,482
1945	30	605	1,095,673	75,275	499,680	1,999,872	2,574,827
1947	42	1,038	2,183,227	94,994	1,528,525	3,829,354	5,452,873
1949	49	1,369	3,146,480	156,828	2,119,144	6,156,257	8,432,229
1950	64	1,569	3,874,776	171,021	2,801,486	7,531,833	10,504,340
1951	103	2,001	5,336,652	271,396	4,765,596	10,021,946	15,058,938
1952	176	2,356	6,809,424	330,225	5,344,140	12,711,681 ²	18,386,046
1953	193	2,632	7,703,654	336,970	6,247,579	15,204,952 ²	21,789,501
1954	206	2,731	8,493,332	430,412	6,444,124	13,391,309	20,273,968
1955	305	3,102	9,777,004	537,754	7,819,492	16,930,088	25,278,087
1956	329	3,324	11,420,335	601,222	9,890,036	18,377,732	28,874,077
1957							
Canada	342	3,417	12,228,196	675,347	10,490,282	19,151,221	30,204,209
Newfoundland and New Brunswick	8 ³	49	149,837	9,977	92,187	182,857	287,463
Nova Scotia	6	24	79,003	4,857	57,921	111,704	173,623
Quebec	65	713	2,460,547	141,385	1,997,789	4,240,213	6,319,728
Ontario	174	1,538	5,114,517	331,253	5,240,066	7,813,473	13,277,703
Manitoba	13	194	695,681	44,747	416,209	1,073,499	1,543,760
Saskatchewan	4	48	166,404	10,151	87,570	372,898	472,020
Alberta	28	283	1,137,022	57,563	790,610	1,935,452	2,785,821
British Columbia	44	568	2,425,185	75,414	1,807,930	3,421,125	5,344,091
1958							
Canada	356	3,638	13,467,853	656,748	11,202,953	22,240,362	34,007,650
Newfoundland and New Brunswick	8 ³	22	73,968	8,282	90,565	187,010	282,436
Nova Scotia	6			4,485	58,156	111,233	174,239
Quebec	69			138,056	2,024,542	4,703,778	6,891,483
Ontario	171			298,052	5,790,408	8,516,538	14,498,135
Manitoba	13			47,855	526,722	1,371,941	1,925,997
Saskatchewan	9			19,005	119,870	490,166	627,110
Alberta	33			60,139	798,460	2,583,205	3,450,974
British Columbia	48			80,874	1,794,230	4,276,491	6,157,276

¹ Commencing with 1952, value of factory shipments has been collected instead of gross value of production.

² 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".

³ Newfoundland 2.

TABLE 32. Factory Shipments, Signs and Displays, 1957 and 1958

Products	1957	1958
	Selling value at factory	Selling value at factory
	dollars	
Signs, electric:		
Neon and other luminous tube	4, 726, 219 ¹	4, 943, 450 ¹
Other electric	1, 376, 703 ¹	2, 156, 265 ¹
Signs, non-electric:		
Metal signs	2, 300, 766 ¹	2, 094, 123 ¹
Screen processed signs, other than metal	1, 113, 689 ¹	1, 466, 788 ¹
All other non-electric signs	2, 046, 963 ¹	2, 211, 557 ¹
Fluorescent lighting fixtures	228, 443	202, 081
Advertising displays	4, 335, 114	5, 110, 689
All other products	2, 262, 131	3, 089, 527
Amount received for rental of signs	9, 289, 952	10, 554, 666
Amount received for custom work and repairs	2, 524, 229	2, 178, 504
Totals	30, 204, 209	34, 007, 650

¹ In addition to these signs which were shipped on an outright sales basis, the following were manufactured but shipped on a lease or rental basis.

	1957 Estimated value \$	1958 Estimated value \$
Signs, electric: (a) Neon and other luminous tube	3,728,834	3,869,948
(b) Other electric	126,931	211,836
Signs, non-electric	94,598	1,450,247
Totals	3,950,363	5,532,031

Stamps and Stencils, Rubber and Metal

As indicated by its title, this industry comprises those establishments whose principal products are stamps and stencils of rubber and metal. Establishments engaged primarily in the manufacture of paper stencils are classified to the Miscellaneous Paper Products Industry.

In 1958 reports were received from 69 establishments distributed provincially as follows: Nova Scotia 1, Quebec 13, Ontario 36, Manitoba 5, Saskatchewan 2, Alberta 3 and British Columbia 9. They reported factory shipments with a value of \$6,866,633, thus indicating an industry comprised of relatively small plants. Employees numbered 927 persons who received \$3,277,528 in salaries and wages. Materials consumed in production cost \$1,963,875. Comparable

figures for 1957 are 69 establishments, 957 employees, salaries and wages \$3,203,206, cost of materials \$1,921,079 and value of factory shipments \$6,321,795.

The industry in 1958 reported shipments with a value of \$1,803,663 for the item "stamps, daters and other marking devices": of this total \$1,641,543 worth were of rubber. Factory shipments of rubber dies amounted to \$557,371 and of other dies to \$405,467. Seals, all kinds, were shipped to the value of \$478,804 and stencils, all kinds, to the value of \$120,666. Shipments of metal, licence, name and other types of plates amounted to \$1,679,841. Other products included signs, badges, metal stampings, buttons and ink.

Statuary, Art Goods, Regalia and Novelties

The value of factory shipments in this industry in 1958 decreased slightly to \$4,816,392, compared with \$4,980,978 in 1957. The number of employees fell to 807 from 828 in 1957, and their earnings to \$1,962,681 from \$2,018,736. Cost of materials in 1958 decreased slightly to \$1,771,577 compared with \$1,802,350 in 1957.

The industry in 1958 was comprised of 95 establishments, four less than a year before. They were concentrated in Quebec and Ontario as will be seen by the following provincial distribution of establishments: Quebec 42, Ontario 35, Manitoba 7, Alberta 2 and British Columbia 9.

In the same year the industry shipped statues valued at \$509,306. Other statuary and art goods shipped had a value of \$889,603. Shipments of novelties were valued at \$745,462 and crests, emblems, badges, and regalia at \$376,813. Complete information on commodity shipments will be found in Table 34.

Imports of the principal commodities manufactured by the industry were as follows: statues and statuettes of porcelain or earthenware, \$875,402; statues and statuettes of material other than porcelain or earthenware, \$328,029; regalia and badges, \$165,722.

TABLE 33. Principal Statistics, 1939-58

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 ¹
	number				dollars		
1939	54	392	384,953	6,354	289,531	516,044	811,929
1940	59	503	470,906	13,510	346,359	686,788	1,046,657
1941	67	707	615,728	12,879	640,139	907,763	1,560,781
1942	76	851	763,183	13,116	767,904	1,206,923	1,987,943
1943	86	905	881,967	14,272	912,003	1,308,966	2,235,241
1944	83	881	955,253	13,430	981,282	1,481,145	2,475,857
1945	89	1,031	1,154,995	22,972	1,054,240	1,824,637	2,901,849
1946	93	1,180	1,409,335	25,134	1,334,889	2,068,783	3,428,806
1947	100	992	1,303,428	32,143	1,214,486	1,951,092	3,197,721
1948	95	954	1,403,791	36,982	1,412,784	2,318,583	3,768,349
1949	104	1,017	1,614,462	38,270	1,647,983	2,606,600	4,292,853
1950	107	932	1,551,905	39,197	1,377,353	2,415,993	3,832,543
1951	125	1,037	1,859,607	47,524	1,829,707	2,868,184	4,745,415
1952	137	1,055	1,995,197	62,765	1,800,922	3,032,303 ²	4,895,990
1953	122	989	2,090,786	59,632	1,842,169	3,309,371 ²	5,211,172
1954	111	946	2,055,885	67,918	1,509,980	3,175,292	4,712,658
1955	117	882	1,982,841	72,468	1,633,705	2,988,597	4,712,793
1956	108	798	1,855,547	78,232	1,804,792	2,870,232	4,739,696
1957							
Canada	99	828	2,018,736	75,522	1,802,350	3,156,129	4,980,978
Quebec	45	363	842,348	36,097	685,785	1,309,128	2,020,831
Ontario	36	341	934,522	30,912	939,999	1,428,276	2,375,428
Manitoba	9	104	209,292	5,946	162,938	371,986	522,716
Alberta and British Columbia	9 ³	20	32,574	2,567	13,628	46,739	62,003
1958							
Canada	95	807	1,962,681	73,703	1,771,577	2,992,792	4,816,392
Quebec	42	338	771,896	36,215	644,266	1,171,760	1,822,462
Ontario	35	367	1,001,005	31,644	958,801	1,503,217	2,500,142
Manitoba	7	81	155,045	4,452	135,103	272,172	413,693
Alberta and British Columbia	11 ³	21	34,735	1,392	33,407	45,643	80,095

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ Alberta 2.

TABLE 34. Factory Shipments, Statuary, Art Goods, Regalia and Novelties, 1957 and 1958

Products	1957	1958
	Selling value at factory	Selling value at factory
dollars		
Statuary and art goods:		
Statues, all kinds	701,368	509,306
Religious articles (rosaries, medals, etc.)	221,064	264,237
Ornaments, plaster	412,202	421,687
" other	158,536	121,439
Art goods, other	99,227	70,287
Novelties, advertising and other:		
Felt	¹	¹
Leather	304,634	147,982
Paper	¹	¹
Plastic	282,526	242,874
Plaster	201,732	95,617
Wooden	58,587	82,957
Other	59,889	44,042
Christmas decorations	543,599	612,591
Crests, emblems, badges, regalia, all kinds	345,443	376,813
Pennants	—	—
Gold and silver stampings	102,613	87,992
Display stands and fixtures, all kinds	170,083	112,076
Display forms, all kinds	427,230	415,077
All other products	787,584	1,195,670
Amount received for custom work and repair	104,661	15,745
Totals	4,980,978	4,816,392

¹ Included with "Other" novelties.

Toys and Games

This industry is comprised of establishments which manufacture toys and games as their principal product. In 1958 reports were received from 71 of these which were distributed provincially as follows: Nova Scotia 2, Quebec 16, Ontario 48, Manitoba 2, Alberta 1 and British Columbia 2. The industry was concentrated in Ontario and Quebec, Ontario holding the dominant position with 73.8 per cent of employees and 75.6 per cent of shipments. Quebec accounted for 25.6 per cent of employees and for 23.9 per cent of shipments.

Factory shipments made by the industry in 1958 had a value f.o.b. factory of \$22,843,375 which compares with \$19,811,595 worth of products shipped in 1957. Employment increased from 2,185 in the earlier year to 2,246 in the latter while salaries and wages rose from \$5,118,908 to \$5,746,701. The cost of materials used amounted to \$11,170,449 in 1958 as against \$9,932,102 in 1957.

The increase in imports has been substantial during post war years in the products made by this industry. Increasing amounts of toys are being obtained annually from Japan, Italy and Germany. During 1958 a peak was reached when importations from all countries totalled \$12,309,513. Corresponding figures for 1957 were \$11,756,549. Exports, on the other hand, are relatively unimportant. In 1957 the total figure was \$426,125 while in 1958 it was \$817,422.

The toys and games produced by the establishments classified to this industry do not represent total Canadian production. There are concerns which manufacture toys and games only as secondary or minor products and which are assigned to other industries on the basis of their more important items of manufacture. In 1958, the toy and game establishments proper accounted for approximately 79 per cent of the value of total Canadian shipments. Table 37 summarizes in as much detail as possible total shipments of toys and games as assembled from all industries.

TABLE 35. Principal Statistics, Representative Years, 1926-58

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 ¹
	number			dollars			
1926	13	144	124,617	3,820	242,728	232,169	478,717
1928	10	129	114,055	4,332	213,541	212,244	430,117
1930	9	88	66,411	2,606	111,590	121,609	235,805
1932	12	206	163,376	4,379	186,490	324,828	515,697
1933	12	152	98,150	2,308	114,460	287,126	403,894
1937	13	282	206,238	12,861	318,363	463,171	794,395
1939	13	348	273,589	15,562	411,740	566,338	993,640
1941	19	547	403,322	15,858	706,570	743,342	1,465,770
1942	28	678	599,228	18,048	826,580	1,097,489	1,942,117
1943	45	975	887,665	21,279	1,118,028	1,748,216	2,887,523
1944	51	1,230	1,153,044	24,168	1,643,253	2,288,377	3,955,798
1945	56	1,428	1,473,937	41,331	1,876,656	2,892,078	4,810,065
1946	50	1,456	1,736,996	56,817	2,224,510	3,327,996	5,609,323
1947	47	1,203	1,639,592	50,688	1,836,849	2,324,178	4,211,715
1948	45	1,086	1,730,713	37,962	2,313,113	3,111,152	5,462,227
1949	56	1,448	2,645,957	82,426	3,691,073	4,277,234	8,050,733
1950	56	1,624	3,032,658	90,619	4,371,643	4,983,448	9,445,710
1951	53	1,432	3,099,681	79,645	4,611,546	4,925,841	9,617,032
1952	58	1,484	2,989,220	103,471	5,087,008	5,224,167 ²	10,414,846
1953	55	1,551	3,475,270	128,840	5,948,744	5,291,829 ²	11,369,413
1954	52	1,337	3,134,766	119,784	5,608,244	5,145,063	10,937,953
1955	56	1,405	3,320,076	139,954	6,231,378	5,762,524	12,311,395
1956	67	1,741	4,028,376	206,603	8,298,927	7,328,702	15,444,080
1957							
Canada	68	2,185	5,118,908	241,822	9,932,102	9,949,330	19,811,595
Quebec	16	591	1,323,550	81,133	2,311,979	2,660,125	5,045,798
Ontario	46	1,584	3,776,870	159,154	7,598,936	7,267,916	14,719,769
Other provinces	6 ³	10	18,488	1,535	21,187	21,289	46,028
1958							
Canada	71	2,246	5,746,701	253,848	11,170,449	11,704,507	22,843,375
Quebec	16	575	1,468,704	83,132	2,737,104	2,796,565	5,465,324
Ontario	48	1,657	4,255,883	169,011	8,386,313	8,858,725	17,281,852
Other provinces	7 ⁴	14	22,114	1,705	47,032	49,217	96,199

¹ Commencing with 1952 value of factory shipments has been collected instead of gross value of production.

² 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".

³ Nova Scotia 2, Manitoba 1, Alberta 1, and British Columbia 2.

⁴ Nova Scotia 2, Manitoba 2, Alberta 1, and British Columbia 2.

TABLE 36. Factory Shipments, 1957 and 1958

Products	1957		1958	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	doz.	\$	doz.	\$
Dolls	213,242	4,459,004	163,693	3,898,189
Dolls' furnishings	—	132,448	—	—
Metal toys	—	1,355,010	—	1,048,366
Plastic toys	—	4,664,779	—	6,610,286
Wooden toys	—	327,396	—	527,405
Stuffed animals, etc.	121,176	2,097,969	143,994	2,441,045
Toy vehicles	—	—	—	—
Other toys	—	3,897,984	—	4,925,802
Games and puzzles	—	1,049,880	—	918,698
Miscellaneous products, not specified	—	1,795,532	—	2,437,969
Amount received for repairs	—	31,593	—	35,615
Total	—	19,811,595	—	22,843,375

¹ Confidential. Included with "Other toys".

Note: The above table includes only the statistics of those manufacturing establishments whose principal products are toys and games. The figures do not necessarily represent Canadian totals as toys and games are also made as secondary products by firms in other industries. The total figures for all industries are shown in Table 37.

TABLE 37. Toys and Games from all Industries, 1957 and 1958

Products		1957		1958	
		Quantity	Selling value at factory	Quantity	Selling value at factory
			\$		\$
Doll carriages (including prams and strollers).....	No.	229,063	1,010,638	229,764	1,001,337
Dolls.....	doz.	225,766	4,589,962	170,820	4,041,095
Dolls' clothes, shoes etc.....		—	410,129	—	503,115
Metal toys.....		—	1,536,109	—	1,088,141
Plastic toys.....		—	6,207,371	—	8,803,835
Wooden toys.....		—	779,642	—	1,016,961
Stuffed animals.....	doz.	121,176	2,097,969	144,979	2,451,080
Rubber toys and novelties.....		—	325,282	—	402,691
Balloons.....	gross	191,682	480,321	297,946	627,644
Sleighs, children's.....	No.	175,128	445,681	144,781	446,517
Tricycles, all types.....	"	167,052	1,599,642	171,828	1,708,477
Other children's vehicles.....		—	889,331	—	884,980
Miscellaneous toys (including toy vehicles).....		—	2,725,748	—	3,888,438
Games and puzzles.....		—	2,177,055	—	2,163,920
Totals.....		—	25,274,880	—	29,028,231

TABLE 38. Imports of Toys and Games, 1957 and 1958

Articles imported	1957	1958
	dollars	
Dolls of all kinds.....	491,003	873,361
Mechanical toys of metal.....	2,593,023	2,385,139
Metal or rubber juvenile construction sets, consisting of various stampings, punched or moulded, and connections, and parts.....	290,877	173,320
Toys of all kinds, n.e.s.	8,381,646	8,877,693

TABLE 39. Exports of Toys, 1957 and 1958

Articles exported	1957	1958
	dollars	
Dolls.....	92,836	112,452
Toys.....	333,289	704,970

Typewriter Supplies

This industry is comprised of manufacturing establishments whose principal products are carbon paper and typewriter ribbons. In 1958, as in 1957, there were nine such establishments, six in Ontario, two in Quebec, and one in British Columbia.

The factory shipments of this industry in 1958 were \$6,043,444, less than the total of \$6,135,100 in 1957. The number of employees at 418 decreased slightly from 435 the year before, while salaries and wages fell to \$1,405,117 from \$1,414,443 in 1957. Materials used cost \$2,978,720 also less than \$3,151,084 in the previous year.

Carbon paper shipments in 1958 were worth \$3,230,945, compared with \$3,205,263 in 1957. The

value of 1958 factory shipments of machine ribbons, principally typewriter ribbons, at \$1,688,102 showed a decrease from the \$2,321,797 reported for 1957. Other products included stamp pads, duplicator fluid and ink, but, since less than three manufacturers were involved in the manufacture of each of them, the figures cannot be published without divulging the particulars of individual firms.

Factory shipments of carbon paper and typewriter ribbons in Canada by all industries in 1958 amounted to \$3,495,058 and \$1,910,078 respectively. In the same year 745,450 pounds of carbon paper, valued at \$527,090, and 13,107 pounds of typewriter ribbons, valued at \$63,786 were imported.

TABLE 40. Principal Statistics, 1927-58

Year	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 ¹
	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 ²	4,474,391
1953	10	445	1,227,504	32,850	2,401,040	2,588,004 ²	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	3,018,218	6,135,100
1958	9	418	1,405,117	51,812	2,978,720	2,989,893	6,043,444

¹ Commencing with 1952 value of factory shipments have been collected instead of gross value of production.

² 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".

Umbrellas

This industry is a small one with a gross value of production which has hovered around the \$1 million mark for the past few years. The number of establishments in 1958 was eight. Four of these were located in Quebec, one in Ontario and three in British Columbia.

The industry reported factory shipments to the value of \$995,550 in 1958 compared to \$1,049,501 in 1957. Employment, which stood at 114 in 1958, and salary and wage payments, which totalled

\$273,070, decreased slightly from the 1957 figures of 140 and \$284,317 respectively. Materials used cost \$528,728 in 1958 compared with \$596,454 in the earlier year.

Umbrellas, along with a small amount of repair work performed, accounted for all the industry's production. In 1958 there were 35,260 dozen umbrellas shipped with a value of \$983,146. Shipments of this commodity in 1957 amounted to 34,794 dozen worth \$1,032,315.

The Miscellaneous Industries, N.E.S.

To this industry are classified those establishments which are unassignable to other industries of the industrial classification. The establishments manufacture either a product, or products, not covered by a distinct classification, or a product, or products, which would be assignable to existing classifications except for their mixed nature.

Because of the nature of its composition, this industry is subject to substantial fluctuation and, because of its heterogeneous nature, comparisons between years do not have any great significance. It was comprised of 40 establishments in 1958, and 39 in 1957. These were confined chiefly to Ontario and Quebec with 26 plants in Ontario, 11 in Quebec, and one each in Manitoba, Alberta and British Columbia.

In 1958 the industry shipped goods valued at \$15,423,169. The payroll listed 1,651 persons who received \$4,733,585 in salaries and wages. Materials costing \$5,333,414 were consumed in manufacture. Comparable 1957 figures are as follows: shipments, \$14,570,770; employees, 1,846; salaries and wages, \$5,160,410; and materials used, \$5,168,346.

The products are, of course, quite varied including such diverse items as bobby pins and folding doors. In the assortment, to mention only a few, are jewellery findings, jewellery trays, knitting needles, safety pins and plates for addressograph and multi-graph machines. Unfortunately, too few firms are engaged in the manufacture of the individual items to permit publication of figures for products.

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010671405