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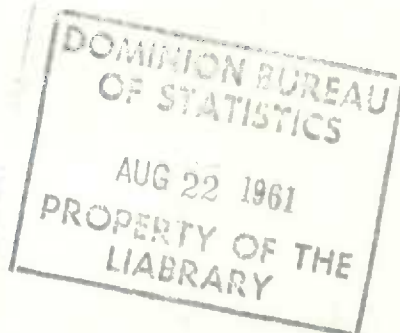
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ANNUAL



THE MISCELLANEOUS INDUSTRIES

1959



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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; plastic products; signs stamps and stencils; statuary and art goods; toys and games; typewriter supplies; umbrellas) (A)50
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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.

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero
- r revised figures.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 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 1959 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

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

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

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*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

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

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

THE MISCELLANEOUS INDUSTRIES

1959

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 1959 when yet another new record was established. In that year the value of factory sales, \$432,428,521, was 9.9 per cent higher than the comparable 1958 figure of \$393,592,590.

Reports were received from 1,563 establishments in 1959, thirty-six fewer than in 1958. The reporting firms employed 37,886 persons, an increase of 1,884 or 5.2 per cent, over the 36,002 employed in 1958. Salary and wage payments, at \$131,381,678 in 1959, were higher by \$11,400,923 or 9.5 per cent than the \$119,980,755 paid out the previous year. Materials and supplies used in manufacturing in 1958 cost \$170,066,471 and \$185,235,197 in 1959: this represents a substantial increase of \$15,168,726 or 8.9 per cent, over the previous year's total.

Again Ontario was the predominant province in the group, contributing 63.0 per cent of the total value of shipments, and accounting for 60.9 per cent of the total number of employees. The Quebec firms reported 29.2 per cent of the total factory sales, and 31.0 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 lack of 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, 1926-59

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	1,228,613	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	1,579	34,942	109,881,191	4,527,934	148,659,593	206,433,400	355,013,423
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	4,522,040	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
1959							
Canada	1,563	37,886	131,381,678	4,910,231	185,235,197	246,238,538	432,428,521
Newfoundland	3	38	102,597	5,014	99,908	107,037	222,275
Nova Scotia	16	77	239,148	50,908	158,732	355,021	563,404
New Brunswick	14	347	1,087,229	73,985	1,225,860	1,768,431	3,087,526
Quebec	486	11,733	36,910,521	1,433,264	57,893,286	68,188,429	126,495,070
Ontario	764	23,079	83,337,718	2,844,918	114,118,793	158,557,216	272,655,320
Manitoba	62	841	2,774,273	135,116	4,769,356	5,241,404	10,117,100
Saskatchewan	18	124	398,371	29,529	240,071	730,187	996,684
Alberta	63	514	2,068,628	114,893	2,001,425	3,946,439	6,076,162
British Columbia	137	1,133	4,463,193	222,604	4,727,766	7,344,374	12,214,980

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, 1959

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	38	488	1,148,039	20,622	966,390	2,383,636	3,364,737
Brooms, brushes and mops	97	2,187	6,297,172	198,564	8,577,784	10,823,023	19,499,791
Buttons, buckles and fasteners	44	1,536	4,730,841	133,484	5,964,063	7,690,111	13,952,033
Candles	23	251	839,725	54,425	1,238,045	1,726,317	3,027,059
Clocks, watches and watch cases	37	999	3,725,475	56,803	8,018,809	7,537,708	15,739,349
Fountain pens and pencils	16	1,082	3,561,982	87,633	5,542,835	7,733,578	13,232,667
Hair goods, animal and human	10	94	329,381	29,086	387,865	487,960	881,747
Ice, artificial	46	387	1,371,968	408,510	241,470	2,510,016	3,169,839
Instruments and related products	79	7,075	31,364,955	725,497	42,406,522	54,550,893	95,968,650
Lamps, electric, and lamp shades	59	1,189	3,284,710	88,309	6,829,630	6,406,806	13,371,570
Models and patterns (except paper)	75	637	3,080,362	78,801	1,152,658	4,786,218	6,023,461
Musical instruments	24	1,461	5,274,540	196,164	5,614,610	12,456,460	18,129,013
Ophthalmic goods	38	1,039	3,163,205	93,200	3,380,748	3,903,702	7,464,348

TABLE 2. Principal Statistics of the Industries Comprising the Miscellaneous Industries Group, 1959 - 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	343	1,009,996	28,037	863,030	1,667,973	2,541,067
Pipes, lighters and other smokers' supplies	13	153	497,184	20,260	1,028,483	1,081,491	2,435,919
Plastics products	204	6,002	19,476,723	1,003,497	44,430,619	41,601,355	85,808,972
Signs and displays	346	3,859	15,126,076	743,784	12,443,753	25,292,976	38,332,099
Sporting goods	94	2,452	7,705,441	260,091	9,777,475	17,179,918	26,804,673
Stamps and stencils, rubber and metal	67	968	3,575,234	91,769	2,282,475	4,997,480	7,367,331
Statuary, art goods and novelties	91	776	2,080,397	67,510	1,976,624	3,600,180	5,588,008
Toys and games	69	2,634	6,645,893	254,575	12,568,580	12,830,582	25,148,933
Typewriter supplies	9	418	1,454,254	55,791	3,290,258	3,265,130	6,563,245
Umbrellas	8	126	294,810	8,499	559,305	537,906	1,092,807
Miscellaneous	40	1,730	5,343,315	199,320	5,693,166	11,187,119	16,921,203
Totals	1,563	37,886	131,381,678	4,910,231	185,235,197	246,238,538	432,428,521

TABLE 3. Inventories¹ of the Miscellaneous Industries Group, 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening ²				
Newfoundland	19,437	1,850	15,887	37,174
Nova Scotia	55,888	13,323	9,050	78,261
New Brunswick	348,461	324,468	400,669	1,073,598
Quebec	12,311,260	4,075,701	6,128,184	22,515,145
Ontario	21,008,567	13,430,332	16,890,407	51,329,306
Manitoba	847,704	90,602	399,259	1,337,565
Saskatchewan	74,037	9,330	3,630	86,997
Alberta	276,783	38,823	177,272	492,878
British Columbia	795,241	92,003	260,310	1,147,554
Canada	35,737,378	18,076,432	24,284,668	78,098,478
Closing:				
Newfoundland	29,324	—	7,421	36,745
Nova Scotia	65,851	15,800	7,830	89,481
New Brunswick	331,410	305,664	400,223	1,037,297
Quebec	13,095,915	4,463,837	6,759,957	24,319,709
Ontario	23,948,366	15,128,348	18,057,998	57,134,712
Manitoba	835,118	111,462	407,175	1,353,755
Saskatchewan	83,873	9,382	6,681	99,936
Alberta	275,164	42,563	160,127	477,854
British Columbia	899,543	126,368	305,709	1,331,620
Canada	39,564,564	20,203,424	26,113,121	85,881,109

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

² The opening inventory for 1959 differs from the closing inventory published for 1958 because of the receipt of revised data, the inclusion of new firms and the removal of figures for firms which did not operate during 1959.

ARTIFICIAL FLOWERS AND FEATHERS

The level of operations in this industry rose from 1958 to 1959 in spite of the fact that the number of establishments fell from 42 to 38. The value of factory shipments in the year under review, \$3,364,737, was 3.0 per cent above the preceding year's reported total of \$3,268,094. Employment was afforded 488 persons, six less than in 1958, whilst the payroll increased by 5.2 per cent from \$1,090,798 to \$1,148,039 in 1959. Materials and supplies used in manufacture by the industry in

1959 cost \$966,390, a very substantial 28.2 per cent decrease from the previous year's figure of \$1,345,310. The change in materials used in making artificial flowers, the industry's largest product, would seem to account partially for this decline.

The industry is practically confined to Ontario and Quebec. With 22 establishments reporting, the latter province was responsible for 61.3 per cent of

the number of persons on the payroll, and for 53.5 per cent of the total value of shipments. Ontario accounted for the balance of employment and factory sales, except for the contribution of one firm in Manitoba.

The total value of artificial flowers shipped was \$1,948,473 in 1959 compared to a similar figure of \$1,718,175 in 1958. Second in importance were feathers and feather trimmings valued at \$483,121. For further details of products shipped see Table 5.

TABLE 4. Principal Statistics, Artificial Flowers and Feathers Industry, Representative Years, 1927-59

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	42	491	1,036,607	27,487	1,123,129	1,727,223	2,865,924
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 ³	185	419,038	11,038	389,619	801,338	1,194,641
1959							
Canada	38	488	1,148,039	20,622	966,390	2,383,636	3,364,737
Quebec	22	299	711,053	11,978	636,206	1,152,121	1,800,271
Ontario	15	189	436,986	8,644	330,184	1,231,515	1,564,466
Manitoba	1						

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 and Saskatchewan 1.

TABLE 5. Factory Shipments, Artificial Flowers and Feathers Industry, 1958 and 1959

Products	1958	1959
	Selling value at factory	Selling value at factory
	dollars	
Artificial flowers:		
Silk, velvet and cotton	974,042	820,616
Crepe paper	137,906	1,127,857
Other	606,227	
Feathers, all kinds	272,219	157,683
Feather trimmings	341,786	325,438
Wreaths, decorative and memorial	356,908	319,211
All other products	579,006	613,932
Total value of shipments	3,268,094	3,364,737

CANDLES

In 1959 there were 23 establishments in the Candles Industry, and of this number 16 were located in Quebec; 2 in Ontario; 1 each in Manitoba, Saskatchewan and Alberta; and the remaining 2 in British Columbia.

Factory shipments made by the industry in 1959 were valued at \$3,027,059, less than one per cent below the 1958 total of \$3,042,627. There were 251 workers on the payroll: salaries and wages paid at \$839,725, were 10.0 per cent higher than the total of \$763,136 disbursed in 1958. The cost of materials and supplies used in manufacture, \$1,238,045 in 1959, was 2.5 per cent lower than the comparable 1958 figure of \$1,269,446.

The principal product of the industry is religious candles. In 1959 shipments of these were: 7-day lights, 141,125 dozen valued at \$997,427;

candles, 736,928 pounds at \$734,605; and votive lights, all kinds, 2,011,662 dozen at \$647,309. Other main items in order of importance were: household candles, 1,362,316 pounds worth \$340,277; and coloured and fancy candles, including wax novelties, 230,430 dozen worth \$277,244.

The chief material was paraffin, of which 1,078,504 pounds refined and 3,714,694 pounds crude were used at a cost of \$107,570 and \$289,991, respectively. Beeswax was consumed in the amount of 316,609 pounds valued at \$212,272. Stearic acid used in manufacture, 131,118 pounds in 1959, cost the firms \$19,270.

Imports of paraffin wax candles in the year under review amounted to 438,829 pounds with a value of \$136,772, and those of other candles to 124,185 pounds valued at \$52,731. Exports of candles were 54,317 pounds worth \$30,425.

TABLE 6. Principal Statistics, Candles Industry, Representative Years, 1928 - 59

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	1,110,364	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
1959	23	251	839,725	54,425	1,238,045	1,726,317	3,027,059

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, Candles Industry, 1958 and 1959

Products	1958		1959	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Candles and cierges:				
Household, coloured, fancy, etc.:				
Household candles, paraffin wax	lb. 446,553	118,447	1,362,316	340,277
Coloured and fancy, including wax novelties	doz. 523,660	491,276	230,430	277,244
Church, chapel, synagogue, etc.:				
Beeswax candles and cierges	lb. 445,836	513,485	421,980	539,828
Composition candles and cierges	" 368,691	183,774	314,948	194,777
7-day lights, beeswax and vegetable oils	doz. 19,256	288,438	27,185	358,669
7-day lights, composition, other	" 131,359	732,010	113,940	638,758
Votive lights, all kinds	" 2,267,208	650,540	2,011,662	647,309
Incense	lb. 1	1	1	1
Incensed charcoal	" 1	1	1	1
All other products .....	...	64,657	...	30,197
Total value of shipments .....	...	3,042,627	...	3,027,059

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 plants whose principal activity is the assembling of clocks and watches from purchased movements and from watch cases of both their own and other manufacture. The purchase of complete watches and the attachment of straps or bands thereto is not considered to be a manufacturing activity. In addition to clocks and watches, interval timers, both spring-wound and electric, unassembled movements and bracelets are among the products made by these firms.

In 1959 reports were received from 37 establishments, the same number as in 1958. Eighteen were located in Quebec, 16 in Ontario and 3 in

Manitoba. Goods to the total value of \$15,739,349 f.o.b. plant were shipped in 1959, a decline of less than one per cent from the comparable 1958 figure \$15,784,093. In the year under review, the industry paid its 999 employees \$3,725,475, whereas the year before 1,069 employees received \$3,860,418. There was, therefore, a drop of 6.6 per cent in employment and of 3.5 per cent in salaries and wages. Materials and supplies used cost \$8,018,809 in 1959 compared to \$8,214,018 the year before.

Table 9 shows shipments of clocks, watches and watch cases by all industries. Details of the industry's shipments are not shown as this would preclude the publication of the more important all-industry totals.

TABLE 8. Principal Statistics, Clocks, Watches and Watch Case Industry, 1951 - 59

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	35	1,073	3,743,577	56,937	8,813,098	8,588,285	17,086,790
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 ³	863	3,131,981	46,433	6,163,521	5,844,660	12,201,459
1959							
Canada	37	999	3,725,475	56,803	8,018,809	7,537,708	15,739,349
Quebec	18	200	771,631	12,432	2,265,485	1,519,633	3,804,332
Ontario and Manitoba	19 ³	799	2,953,844	44,371	5,753,324	6,018,075	11,935,017

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 3.

TABLE 9. Shipments of Clocks, Watches and Watch Cases by All Industries, 1958 and 1959

Products	1958		1959	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Clocks, electric, kitchen	325,364	1,204,654	226,693	887,630
Clocks, electric, alarm	170,895	666,645	115,604	503,212
Clocks, electric, other	68,827	521,964	90,050	625,964
Clocks, not electric, mantel and wall types	3,062	10,217	7,453	39,641
Clocks, not electric, other types	690,631	1,727,831	675,807	1,761,112
Watches, wrist	670,447	9,594,090	759,729	9,599,501
Watches, other	411,643	1,101,649	457,894	866,477
Watch cases .....	..	597,957	331,720	715,603
Total value of shipments .....	...	15,425,007	...	14,999,140

TABLE 10. Imports of Clocks and Watches and Parts

Articles imported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Clocks and parts:				
Alarm clocks	539,827	947,508	577,385	901,670
Other clocks	239,035	1,095,205	282,578	1,179,110
Clock movements, clock cases and clockwork mechanisms ..	..	201,886	..	197,714
Parts of clock movements or of clockwork mechanisms, finished or unfinished, not including plates ..	..	414,747	..	373,991
Springs of iron and steel, for use exclusively in the manufacture of clocks ..	..	7,092	..	
Watches and parts:				
Watches, over one jewel .....	..	1,475,592	..	1,354,341
Watches, one or no jewel .....	..	490,774	..	609,053
Watch cases and parts thereof, finished or unfinished .....	..	1,331,677	..	1,312,342
Watch actions, over one jewel .....	..	4,526,900	..	4,383,584
Watch actions, one or no jewel .....	..	502,241	..	541,268
Parts of watch movements, finished or unfinished .....	..	459,743	..	412,830
Time recorders .....	..	201,137	..	183,050

TABLE 11. Exports of Clocks and Watches and Parts

Articles exported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Clocks and parts	84,213	423,839	75,400	382,768
Watches and parts	193,861	562,363	231,088	651,780

FOUNTAIN PENS AND PENCILS

The rapid post-war expansion of this industry continued during 1959, after a slight recession in 1958. Comparison of statistics for the two aforementioned years shows that there was an increase of 4.6 per cent in the value of factory shipments, from \$12,654,239 in 1958 to \$13,232,667 in 1959. At the same time the number of reporting establishments had dropped from 17 to 16, and the number of employees from 1,138 to 1,082. Contrariwise, salaries and wages paid by the industry rose by 5.3 per cent, from \$3,382,285 in 1958 to \$3,561,982 in 1959. The total cost of materials used in the latter year, \$5,542,835, was less than one per cent higher than the \$5,504,538 paid out for the same purpose the year before.

In 1959 ball-point pens (including liquid lead pencils) continued to be the leading commodity, with shipments of 1,885,632 dozen valued at \$3,598,198 f.o.b. plant being 6.9 and 2.7 per cent higher, respectively, than the 1958 sales of 1,764,053 dozen worth \$3,504,356. The quantity of fountain pens shipped during the year under review fell sharply, from 274,878 dozen to 165,674 dozen, but the aggregate value rose just as abruptly from \$2,122,659 to \$2,508,959. Shipments of black lead non-mechanical pencils in 1959 totalled 484,113 gross worth \$2,085,793 in 1959 as against 468,899 gross valued at \$2,065,247 in the preceding year.

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

TABLE 12. Principal Statistics, Fountain Pens and Pencils Industry, Representative Years, 1926 - 59

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.....	18	1,145	3,410,853	87,765	5,651,632	7,838,336	13,218,019
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
1959							
Canada	16	1,082	3,561,982	87,633	5,542,835	7,733,578	13,232,667
Quebec and British Columbia	8 ³	499	1,474,177	29,422	2,706,829	3,475,630	6,040,593
Ontario	8	583	2,087,805	58,211	2,836,006	4,257,948	7,192,074

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 I.**TABLE 13. Factory Shipments, Fountain Pens and Pencils Industry, 1958 and 1959**

Products		1958		1959	
		Quantity	Selling value at factory	Quantity	Selling value at factory
			\$		\$
Fountain pens.....	doz.	274,878	2,122,659	165,674	2,508,959
Fountain pen nibs, holders and other parts .....	...	...	415,397	...	305,692
Ball point pens (including liquid lead pencils).....	doz.	1,764,053	3,504,356	1,885,632	3,598,198
Refills for ball point pens and liquid lead pencils.....	"	626,554	962,268	600,567	893,747
Non-mechanical pencils, black lead	gross	468,899	2,065,247	484,113	2,085,793
Non-mechanical pencils, other.....	"	166,663	1,078,334	191,318	1,262,336
Pencils, mechanical	doz.	111,215	473,065	115,229	511,002
Leads for pencils.....	..	..	184,903	..	113,346
Desk sets .....	..	..	285,232	..	294,082
Other stationery supplies .....	...	...	1,253,599	...	1,294,417
All other products .....	...	...	280,402	...	335,239
Amount received for repairs .....	...	...	78,777	...	29,856
Total value of shipments .....	...	...	12,654,239	...	13,232,667

TABLE 14. Imports of Pens, Pencils and Parts, 1958 and 1959

Articles Imported	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Fountain pens except ball points .....	..	210, 142	..	206, 658
Ball point pens and parts .....	...	2, 648, 561	...	2, 559, 918
Pencils, lead, non-propelling, with stationary lead gross	64, 663	144, 000	84, 179	143, 393
Pencils, mechanical .....	..	140, 841	..	147, 047
Pens, n.e.s., ¹ penholders and rulers of all kinds .....	...	347, 252	...	346, 776

¹ Not elsewhere specified.

TABLE 15. Exports of Pens, Pencils and Parts, 1958 and 1959

Articles Exported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Fountain pens including pen and pencil sets .....	...	199, 968	...	235, 411
Mechanical and propelling pencils .....	..	1, 498	..	1, 474
Pens and pencils and parts, n.e.s. ....	...	218, 421	...	239, 879

HAIR GOODS

This industry consists of firms engaged in the processing of both animal and human hair. In 1959 there were 10 such establishments: 3 in Quebec; 4 in Ontario; 1 in Manitoba; and 2 in British Columbia. These enterprises reported shipments with a total value of \$881,747, an amount 31.8 per cent lower than the comparable 1958 return of \$1,293,710. The number of workers dropped from 138 to 94, and their earnings from \$392,789 to \$329,381 in 1959. The

cost of materials used likewise declined, from \$661,197 to \$387,865.

The major part of the decrease in shipments may be attributed to the enormous drop in sales of cleaned and dressed animal hair, from 225,868 pounds valued at \$519,521 in 1958, to 136,651 pounds worth \$195,489 in 1959. Included in the shipments of goods in the year under review was \$120,573 worth of wigs, toupees and switches compared to \$102,184 worth in 1958.

ARTIFICIAL ICE

Firms, whose principal activity is the making of ice for their own refrigeration systems, are excluded from this industry. The harvesting and storing of natural ice is not considered to be a manufacturing operation. Establishments so engaged are, therefore, also excluded. Only those firms engaged mainly in the making of ice for sale are classified to this industry.

In 1959 there were 46 firms in the industry, two less than in 1958, and they were located as follows: Nova Scotia 4; New Brunswick 2; Quebec 5; Ontario 22; Manitoba 1; Saskatchewan 1; Alberta 2;

and British Columbia 9. The value of shipments of ice for the year amounted to \$3,169,839 compared to sales valued at \$3,244,229 in 1958. Employment was provided 387 persons, who were paid a total of \$1,371,968 in salaries and wages. Materials costing \$241,470 were consumed in the manufacturing process.

The industry shipped 447,940 tons of ice in 1959, 17.5 per cent more than the 381,285 tons reported the year before. The value of manufactured ice exported was \$24,747. None was imported.

TABLE 16. Principal Statistics, Artificial Ice Industry, Representative Years, 1927-59

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of fuel and electricity	Cost at plant of fuel and used	Value added by manufacture	Gross value of production ¹
	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 ²	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	50	435	1,391,418	501,853	282,405	2,738,815	3,539,897
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
Prairie 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
1959							
Canada	46	387	1,371,968	408,510	241,470	2,510,016	3,169,839
Nova Scotia and New Brunswick	6 ³	35	125,315	68,818	19,822	242,589	332,782
Quebec	5	71	257,624	83,362	40,511	474,268	597,812
Ontario	22	193	648,302	163,439	115,759	1,230,711	1,507,284
Prairie Provinces	4 ⁴	33	159,511	48,316	42,913	303,193	402,252
British Columbia	9	55	181,216	44,575	22,465	259,255	329,709

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

The Instruments and Related Products Industry is made up of those 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; and photographic equipment and supplies. In 1959 there were 79 such firms located provincially as follows: Quebec 20; Ontario 53; Manitoba 2; Alberta 3; and British Columbia 1.

Factory shipments with a total value of \$95,968,650 were reported by the industry in the year under review. This represents a gain of \$4,352,432, or 4.8 per cent, over the comparable 1958 figure of \$91,616,218. The industry's employees numbered 7,075, an increase of 115, or 1.6 per cent, over the 6,096 persons on the payroll in 1958. Their aggregate salaries and wages, at

\$31,364,955 in 1959, were 3.7 per cent higher than the \$30,243,321 earned the year before. The cost of materials used in manufacture, \$42,406,522, was 2.3 per cent above the like 1958 amount of \$41,435,857.

Information on the commodities in this industry is collected in detail, but the data in a number of cases must be suppressed, because the establishments involved are too few in number to permit publication without divulging the figures of individual establishments. However, it is usually possible to meet the confidentiality requirements and still publish useful figures by affecting appropriate combinations of the commodity data. Table 18 gives factory shipments of the products manufactured by this industry in as much detail and with as much meaning as possible.

TABLE 17. Principal Statistics, Instruments and Related Products Industry, Representative Years, 1927-59

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
1956	77	5,565	21,867,834	507,292	25,361,290	43,851,464	67,875,442
1957	78	6,301	25,507,969	644,341	28,685,763	51,366,881	79,076,692
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, Alberta and British Columbia	6 ³	19	63,874	1,970	134,363	234,226	381,728
1959							
Canada	79	7,075	31,364,955	725,497	42,406,522	54,550,893	95,968,650
Quebec	20	1,546	6,661,053	98,681	10,525,846	8,523,134	18,804,219
Ontario	53	5,511	24,646,227	625,312	31,787,935	45,898,571	76,940,040
Manitoba, Alberta and British Columbia	6 ³	18	57,675	1,504	92,741	129,188	224,391

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, Alberta 3, and British Columbia 1.

TABLE 18. Factory Shipments, Instruments and Related Products Industry, 1958 and 1959

Product	1958		1959	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Temperature and Hygrometric Instruments and accessories:				
Thermometers, industrial & laboratory	52,149	543,795	52,630	485,188
Thermometers, other and accessories	464,384	235,441 ^r	402,570	844,482
Pyrometers, thermocouples and accessories	1,331,712 ^r	...	1,449,504
Heating and ventilating controls and accessories	10,737,570 ^r	...	11,628,797
Temperature and hygrometric instruments and accessories, n.e.s. }
Electric quantity instruments and accessories	844,230	...	564,632
Pressure measuring instruments, gauges and accessories	598,905	...	1,586,037
Flow and liquid level instruments and accessories	3,752,945	...	1,988,360
Mechanical motion, rotation, timing and cycle instruments and accessories	2,413,605 ^r	...	1,848,249
Aircraft engine and flight instruments; aircraft and nautical navigational instruments and apparatus	15,557,307	..	14,660,698
Control valves and regulators, except voltage	4,549,635 ^r	..	3,813,698
Geophysical instruments, except electric quantity	725,165	..	208,424
Combination instruments, and indicating, recording and controlling instruments and accessories (except clocks and watches), n.e.s. }	...	4,662,881	...	6,032,015
Dental engineering, medical, surgical and optical instruments	790,186 ^r	..	1,183,117
Photographic equipment and supplies
All other scientific and professional equipment	32,256,730 ^r	...	35,750,113
All other products	301,768 ^r	...	1,285,944
Amount received for custom work and repairs	12,314,343	...	12,639,392
Total value of shipments	91,616,218	...	95,968,650

¹ Included with "All other scientific and professional equipment".

TABLE 19. Imports of Instruments and Related Products

Articles imported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Photographic equipment and supplies:				
Cinematograph and motion picture cameras, for professional use;				
parts of the foregoing	...	188,126	...	183,634
Cameras and camera parts, n.e.s.	...	7,488,138	...	7,659,979
Cameras, parts, unfinished	...	193,271	...	186,729
Camera lenses and shutters for the manufacture of cameras	...	581,048	...	705,208
Films, X-ray	...	2,844,487	...	3,732,158
Films, for photographers' use	...	6,593,214	...	6,333,784
Films, hypersensitive or super-sensitive, panchromatic, and infra-				
red films, unexposed, for aerial photography	...	73,279	...	105,283
Sensitized negative film, one and one-eighth inch in width, or over,				
for exposure in motion picture cameras	...	149,085	...	302,242
Photographic dry plates	...	173,977	...	231,710
Photoflash lamps	3,109,466	201,786	5,406,466	232,400
Photographic accessories, except cameras and parts, equipment				
used in developing, printing and finishing photographs; parts				
of all the foregoing	...	6,216,740	...	6,488,970
Photographers' papers, albumenized and other chemically prepared, n.e.s.	...	3,603,633	...	4,272,485
Projectors, still picture; and slides, and film strips therefor, n.e.s.	...	1,293,157	...	1,470,516
Instruments and apparatus:				
Chronometers and compasses, and parts, including cards, not made				
in Canada, for ships or aircraft	...	338,911	...	233,239
Cyclometers, pedometers, speedometers, and parts	...	307,768	...	352,873
Dental instruments of any material; dental chairs; dental units;				
dental cuspedors and parts	...	2,996,080	22,577	2,615,088
Microscopes valued at not less than \$50 each, retail and parts	...			1,438,925
Engineers', surveyors', draftsmen's machinists' or metal workers'				
precision tools and measuring instruments, geophysical sur-				
veying instruments and parts, photogrammetric instruments for				
use in the interpretation of photographs and in the preparation				
of maps from photographs	...	6,626,857	...	6,624,273
Globes, geographical, topographical and astronomical	...	248,745	...	267,654
Optical, philosophical, and mathematical instruments, n.e.s., and				
parts	...	4,912,255	...	5,313,671
Oven thermostats, automatic oven lighters and dual valves for gas				
stoves	...	77,657	...	112,744
Philosophical and scientific apparatus, for use by institutions, hospitals				
and schools; materials, n.e.s., for use in manufacture of such apparatus	...	8,730,945	...	9,154,630
Thermometers, including clinical thermometers	...	1,429,412	...	1,496,807
Surgical instruments and parts	...	6,496,129	...	7,642,093
Hearing aids and similar appliances for deaf persons, and parts,				
electronic equipment and parts thereof, when used for ear-				
training the deaf	...	2,838,380	...	2,749,965
Batteries for hearing aids, and parts	...	417,845	...	456,322
Fixed or stationary meters of a size or capacity not made in				
Canada, for hydraulic engineering; gauges, indicators and re-				
cordors for water or other liquid levels, volume or flow, of a				
class or kind not made in Canada; parts of all the foregoing	...	698,973	...	901,660
Water meters, n.e.s., and parts	...	89,389	...	118,275
Lenses, glass, n.e.s.	...	315,826	...	503,009
Total imports	...	66,125,113	...	71,886,326

TABLE 20. Exports of Instruments and Related Products

Articles exported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Cameras	1,136	155,287	1,115	157,048
Camera parts	...	21,374	...	6,594
Dental and surgical apparatus and instruments, and hospital				
equipment	...	1,379,796	...	2,082,991
Film, motion-picture, not exposed	ft. 76,388,147	1,060,053	56,292,970	781,878
Films, X-ray	...	3,251	...	3,372
Films, n.e.s.	...	2,314,128	...	2,459,027
Motion picture apparatus	...	15,526	...	18,021
Philosophical and scientific apparatus and instruments, n.e.s.	...	3,459,228	...	3,677,928
Total exports	...	8,408,643	...	9,186,859

ELECTRIC LAMPS AND LAMP SHADES

In 1959 the Electric Lamps and Lamp Shades Industry reported factory shipments with a total value of \$13,371,570. This represents an increase of 7.3 per cent over the comparable 1958 total of \$12,460,943. The cost of materials and supplies used in the process of manufacture, \$6,829,630 in 1959, was 8.7 per cent higher than the \$6,281,026 expended similarly the year before.

In the year under review reports were received from 59 establishments, seven less than in the preceding year. Thirty-two of these plants were in Quebec; 21 in Ontario; 2 in Manitoba; and 4 in British Columbia. Employment was fractionally

lower, 1,189 as against 1,193 in 1958, but total salary and wage payments of \$3,284,710 in 1959 were 9.3 per cent above the \$3,006,376 paid out the previous year.

The industry in 1959 manufactured 1,777,403 lamps valued at \$9,733,024 as against an output in 1958 of 1,571,890 lamps with a value of \$8,985,125. Lamp shade production for the same two years amounted to 1,248,699 lamps worth \$1,812,110 f.o.b. plant, and 1,251,034 lamps worth \$1,965,922. More detailed information on factory shipments is shown in Table 22.

TABLE 21. Principal Statistics, Electric Lamps and Lamp Shades Industry, Representative Years, 1939-59

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	1,386,006
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	70	1,240	2,982,792	104,562	6,035,408	5,587,794	11,701,618
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 ³	83	229,495	7,680	363,131	413,628	782,494
1959							
Canada	59	1,189	3,284,710	88,309	6,829,630	6,406,806	13,371,570
Quebec	32	562	1,508,261	41,153	3,598,540	2,585,667	6,262,296
Ontario	21	550	1,541,423	38,113	2,811,114	3,394,783	6,251,651
Manitoba and British Columbia	6 ³	77	235,026	9,043	419,976	426,356	857,623

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; British Columbia, 4.

TABLE 22. Factory Shipments, Electric Lamps and Lamp Shades Industry, 1958 and 1959

Products	1958		1959	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Lamps, electric (Complete with shades): ¹				
Floor	265,407	2,897,849	372,853	3,090,089
Table	787,150	4,936,775	870,620	5,390,665
Other	519,333	1,150,501	522,130	1,148,637
Lamps, electric (without shades)	1	1	11,800	103,633
Lamp shades:				
Silk	159,118	369,884	145,006	325,450
Parchment	178,933	326,625	262,130	373,196
Plastic	220,184	233,547	297,830	339,168
Fibreglass	666,288	1,023,338	487,182	734,633
Other	26,511	12,528	56,551	39,663
Lamp and shade parts .....	...	151,102	...	276,294
Smoking sets	64,594	392,968	72,196	409,172
Novelties, all kinds .....	...	35,516	...	28,694
All other products .....	...	908,744	...	1,068,268
Amount received for custom work and repairs .....	...	21,566	...	44,008
Total value of shipments .....	...	12,460,943	...	13,371,570

¹ For 1958, the data gathered did not specify whether these lamps included shades: in 1959, this group was separated as shown above.

MODELS AND PATTERNS (EXCEPT PAPER)

The level of activity within this industry was much higher in 1959 than in 1958. Factory shipments during the current year reached a total value of \$6,023,461, an increase of 28.9 per cent over the preceding year's reported \$4,672,217. The total cost of materials and supplies used, \$1,152,658, was 17.6 per cent above the comparable 1958 figure of \$979,852.

There were 75 firms in the industry in 1959, located as follows: Quebec 17; Ontario 49; Manitoba 2; and British Columbia 7. The payroll consisted of

637 employees, who were paid \$3,080,362; in 1958 the 558 persons then employed by the industry earned \$2,515,262.

Moulds were the leading product in 1959, factory shipments of them attaining a total value of \$2,656,171, as against a revised aggregate value of \$2,251,611 in 1958. Models and patterns followed closely behind with reported sales f.o.b. plant of \$2,507,923 compared to like shipments worth \$2,123,219 (revised) during the previous year.

OPHTHALMIC GOODS

This industry is composed of those establishments that are engaged in grinding ophthalmic lenses and in manufacturing other ophthalmic goods.

In 1959 there were 38 such firms, grouped provincially as follows: Nova Scotia 1; New Brunswick 3; Quebec 11; Ontario 19; Manitoba 1; Saskatchewan 1; and Alberta 3.

The value of factory shipments in 1959 amounted to \$7,464,348 f.o.b. plant, 6.2 per cent higher than

the previous year's total of \$7,025,458. The number of employees, at 1,039, was 3.8 per cent lower than the 1,080 reported in 1958, and their salaries and wages, \$3,163,205, were down by 2.7 per cent from \$3,251,950. In the year under review the industry paid \$3,380,748 for materials and supplies, 6.5 per cent more than the \$3,172,989 laid out in 1958.

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

TABLE 23. Factory Shipments, Ophthalmic Goods, Industry 1958 and 1959

Products	1958		1959	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Lenses for spectacles No.	4,031,679	3,601,348	4,127,648	3,500,143
Spectacles complete pr.	132,611	1,209,466	142,165	1,356,394
Sunglasses	¹	¹	¹	¹
All other ophthalmic goods .....	...	1,942,425	...	2,154,772
All other products .....	...	272,219	...	453,039
Total value of shipments .....	...	7,025,458	...	7,464,348

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

TABLE 24. Imports of Ophthalmic Goods

Articles imported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Spectacles, eye-glasses and ground or finished spectacle or eye-glass lenses, n.e.s.	949,904	...	1,100,440
Spectacles and eye-glass frames, and parts, n.e.s.	2,961,704	...	3,382,106
Parts, unfinished, for the manufacture of spectacles and eye-glass frames	521,833	...	671,246
Artificial eyes for human use, and contact eye glasses or lenses	12,953	...	56,542

TABLE 25. Exports of Ophthalmic Goods

Articles exported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Goggles and spectacles and parts .....	...	38,833	...	25,061
Lenses of glass, rough or finished .....	..	463,893	..	862,643

ORTHOPAEDIC AND SURGICAL APPLIANCES

In 1959 the 36 manufacturers of orthopaedic and surgical appliances in Canada were located as follows: Nova Scotia 1; New Brunswick 1; Quebec 5; Ontario 16; Manitoba 5; Alberta 2; and British Columbia 6.

Factory shipments by the industry in 1959 were valued at \$2,541,067 f.o.b. plant. The payroll consisted of 343 persons, who received salary and

wage payments amounting to \$1,009,996. Materials and supplies used in the process of manufacture cost the firms \$863,030.

Only the shipments for the year 1959 have been shown in Table 26 since a considerable revision of the product breakdown was carried out from 1958 to 1959. The shipment data for 1958, which will be found in the previous year's report, are, therefore, not comparable.

TABLE 26. Factory Shipments, Orthopaedic and Surgical Appliances Industry, 1959

		1959	
		Quantity	Selling value at factory
			\$
Artificial limbs	No.	1,294	384,485
Braces, orthopaedic:			
Spinal	"	2,815	140,689
Cervical	"	530	49,116
Leg	"	1,076	84,562
Knee, shoulder	"	—	—
Ankle, arm, finger, foot, knee, shoulder, wrist and other braces, n.e.s.	"	3,112	49,664
Supports:			
Arch	pr.	1	1
Cervical collars	No.	1,079	5,895
Orthopaedic (corsets)	pr.	17,816	145,700
Surgical, post natal and posture (belts)	No.	70,632	361,462
Orthopaedic and surgical supports ¹ , n.e.s. (including brassieres, corset elastic, girdle blanks)	"	...	71,271
Traction Kits (Sets):			
Cervical (head-halter type)	No.	2,030	12,913
Ankle and pelvic			
Trusses	"	29,293	153,711
Crutches	pr.	219	1,548
Elastic ankle arm and knee supports	No.	150,135	43,520
Elastic hose (stockings)	"	83,573	152,010
Foot appliances:			
Shoes	pr.	300	11,212
Insoles, medicated foot plasters, and other foot appliances, n.e.s.		1	1
Orthopaedic and surgical appliances, n.e.s. (ankle and pelvic traction kits, foot appliances, wheel chairs, splints, stump socks, etc.) .....		...	668,675
All other products (including knitted dish cloths, industrial tape, etc.) .....		...	204,634
Total value of shipments .....		...	2,541,067

¹ Included in "Orthopaedic and surgical appliances, n.e.s."

TABLE 27. Imports of Orthopaedic and Surgical Appliances

Articles Imported	1958		1959	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Artificial limbs and parts, and materials for	118,885	...	135,366
Crutches, or specially constructed staffs for cripples	30,759 ^r	..	39,102
Orthopaedic appliances, corrective clothing, and similar equipment, n.o.p.	146,224	...	185,084
Surgical trusses and suspensory bandages of all kinds, and abdominal supports	9,188	...	13,132

PIPES, LIGHTERS AND OTHER SMOKERS' SUPPLIES

In 1959 factory shipments by this industry were valued at \$2,435,919, an increase of 13.6 per cent over the comparable 1958 figure of \$2,143,514. Employment in the current year was slightly higher, 153 as against 151, and salaries and wages also rose, by 5.1 per cent, from \$473,069 to \$497,184 in the year being reviewed.

The cost of materials and supplies used in the process of manufacture amounted to \$1,028,483, an increase of 4.5 per cent over the comparable expenditure of \$983,820 made in 1958. There were 13

establishments in 1959, one less than in the preceding year.

Details of the products shipped by the industry must be suppressed in order to preserve information of a confidential nature. However, it is possible to publish figures assembled from all industries for most of the main commodities produced in the pipes, lighters and smokers' supplies industry. These, for 1959, are as follows: pipes, 13,926 dozen valued at \$83,285 (in 1958, 13,417 dozen valued at \$73,484); cigarette lighters, 642,182 at \$1,012,493 (in 1958, 541,266 at \$940,554); and fluid for lighters, \$825,650 (in 1958, \$802,877).

PLASTICS PRODUCTS

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

The Plastics Products Industry, it is important to note, includes only those fabricators that 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 and those of plastic handbags to the miscellaneous leather industry where the commodity "handbags" is to be found. Some production of these commodities will, of course, be found in 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. Shipments by all domestic industries of commodities normally made of plastic may be found in Appendix II of the Bureau's report entitled "General Review of the Manufacturing Industries of Canada," Catalogue Number 31-201.

In 1959, the Plastics Products Industry was composed of 204 establishments distributed as follows: Nova Scotia 1; New Brunswick 2; Quebec 62; Ontario 108; Manitoba 8; Alberta 9; and British Columbia 14.

The industry has expanded spectacularly in the post-war years. This rapid growth resulted in yet another new record value of factory shipments of \$85,808,972 in 1959, an increase of 16.2 per cent over the comparable 1958 figure of \$73,857,408. There were 6,002 persons on the payroll, 816 or 15.7 per cent, more than the 5,186 employed the previous year. Salaries and wages also were appreciably higher at \$19,476,723 compared to \$16,307,962 in 1958, an increase of 19.4 per cent. The cost of materials used in the process of manufacture rose by 20.6 per cent, from \$36,855,300 in 1958 to \$44,430,619 in the year under review.

The total value of factory sales of tableware (cutlery and dishes) soared by 56.6 per cent from \$2,946,840 in 1958 to \$4,614,718 in 1959. Over the same two-year period shipments of covers, food and other, increased by 78.2 per cent in value, from \$480,192 to \$855,658.

TABLE 28. Principal Statistics, Plastics Products Industry, 1947-59

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	195	4,728	13,896,292	785,699	30,597,158	29,134,357	59,840,459
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 ³	287	846,730	40,621	3,621,103	2,458,568	6,006,298
1959							
Canada	204	6,002	19,476,723	1,009,497	44,430,619	41,601,355	85,808,972
Quebec	62	2,011	6,294,815	346,600	16,346,567	14,847,437	30,971,931
Ontario	108	3,531	11,705,358	573,339	23,228,426	23,328,179	46,488,275
British Columbia	14	126	372,282	27,062	1,156,014	768,263	1,887,067
Other provinces	20 ⁴	334	1,104,268	62,496	3,699,612	2,657,476	6,461,699

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 6 and Alberta 6.

⁴ Nova Scotia 1, New Brunswick 2, Manitoba 8 and Alberta 9.

TABLE 29. Factory Shipments, Plastics Products Industry, 1958 and 1959

Products	1958	1959
	Selling value at factory	Selling value at factory
	dollars	
Household equipment and accessories:		
Kitchenware	2,136,994	2,256,581
Tableware	2,946,840	4,614,718
Trays	398,009	449,750
Bags, garment, laundry, etc.	856,258	260,075
Covers, food and other	480,192	855,658
Curtains and drapes	871,900	1,044,409
Handles and knobs, for kitchenware and other household equipment	1,404,380	930,055
Hangers, garment	¹	¹
Table cloths and covers	444,962	369,390
Food containers other than bags	1,666,828	2,195,598
Other household equipment and accessories, not elsewhere specified	2,344,647	2,261,744
Clothing and personal equipment:		
Aprons	²	21,800
Baby pants	²	²
Bibs	²	²
Headwear	²	²
Bags, knitting, hand, etc.	²	²
Bags, diaper, cosmetics, etc.	19,352	²
Brushes and brush parts	532,865	564,944
Buttons	—	²
Combs	1,087,429	1,083,043
Other clothing and personal equipment, not elsewhere specified	2,569,318	2,405,302
Miscellaneous plastics products:		
Automobile parts and accessories	1,331,347	1,343,602
Aircraft parts and accessories	453,013	³
Radio parts and accessories	352,869	593,365
Refrigerator parts and accessories	1,855,862	2,111,147
Electrical parts and accessories, other	3,380,932	4,378,561
Bags for packaging food, etc.	8,006,480	7,532,347
Bottle caps, closures, etc.	1,137,984	1,419,034
Boxes and cases for clocks, hosiery, jewellery, etc.	425,556	498,842
Boxes, other	604,407	582,861
Beauty parlor equipment and accessories	82,688	³
Garden hose	686,361	958,726
Handles, not elsewhere specified	450,795	55,432
Novelties	1,398,434	1,116,584
Nursery supplies	314,038	344,014
Signs and displays	452,000	314,024
Stationery goods	396,494	413,880
Toys	1,741,005	1,521,620
Tile, floor and wall	1,587,976	1,427,994
Pipe, extruded	2,986,911	2,872,327
Tubing, lacing, belting, etc., extruded	1,857,984	1,833,704
Other miscellaneous plastics products, not elsewhere specified	24,083,629	34,819,931
Non-plastic miscellaneous products	2,109,211	1,941,916
Custom work and repairs	401,458	415,994
Total value of shipments	73,857,408	85,808,972

¹ Included with "Other household equipment and accessories".² Included with "Other clothing and personal equipment, not elsewhere specified".³ Confidential. Included with "Other miscellaneous plastic products, not elsewhere specified".

TABLE 30. Materials Used, Plastics Products Industry, 1958 and 1959

Materials	1958			1959		
	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	4,764,868	7,753,933	2,505,802	4,267,964	2,152,180	1,907,891
Amino-aldehyde types:						
(a) Urea-formaldehyde, and other	2,554,890	—	484,675	1,748,120	40,000	532,841
(b) Melamine-formaldehyde	3,954,951	—	1,716,651	5,800,816	180,000	2,663,279
Alkyd types:						
Polyesters, and other	98,060	932,807	430,740	188,945	998,412	597,219
Polyamide types:						
Nylon, and other	293,756	11,794	367,092	373,934	4,500	390,934
Styrene types:						
(a) Polystyrene	14,612,251	365,448	4,393,232	14,535,835	115,989	4,198,566
(b) Other	1,297,684	105,002	763,997	1,253,839	242,791	587,065
Vinyl types:						
(a) Vinyl acetate	1,096,211	562,685	1,173,963	378,316	544,080	545,080
(b) Vinyl chloride	2,133,088	2,543,745	2,083,808	5,341,805	2,907,926	2,643,314
(c) n.e.s.	1,802,881	300,130	935,095	916,008	963,478	709,834
Polyethylene types	17,351,692	4,327,038	9,647,512	27,514,756	4,509,095	11,304,031
Acrylic types	556,305	186,407	462,436	860,975	268,873	706,347
Silicone types	¹	—	¹	¹	—	¹
Other synthetic resin types	114,200	538,864	288,972	379,339	79,705	224,667
Cellulose plastics:						
Cellulose nitrate:						
Celluloid and other	48,071	5,451,709	73,566	1,600	71,800	63,646
Cellulose acetate	464,713	173,057	416,344	499,719	321,066	480,758
Cellulose acetate butyrate	480,996	47,976	375,123	508,121	3,000	328,724
Ethyl cellulose	²	²	²	²	²	²
Cellulose film ("cellophane", etc.)....	58,028	705,888	520,695	184,285	829,652	732,898
Other cellulose plastics	—	—	108,493	24,130	7,355	24,747
Other plastics .....	...	...	1,446,624	...	...	2,308,250
Other materials:						
Cotton fabrics .....	...	...	381,361	...	...	470,545
Other fabrics .....	...	...	98,226	...	...	426,873
Fibre glass .....	...	...	332,372	...	...	370,941
Paper .....	...	...	1,616,532	...	...	2,570,780
Rubber .....	...	...	243,607	...	...	127,215
Metals .....	...	...	439,981	...	...	346,779
Paints, lacquers, etc. ....	...	...	162,043	...	...	169,938
Shipping containers and packing materials .....	...	...	1,575,016	...	...	2,159,069
All other materials .....	...	...	3,811,342	...	...	6,838,388
Total cost of materials used .....	...	...	36,855,300	...	...	44,430,619

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, both 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, 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 1959 reports were received from 346 establishments compared to 356 in 1958. Receipts from factory shipments, rentals, custom work and repairs amounted to \$38,332,099, a healthy increase of 12.7 per cent over the comparable previous year's figure of \$34,007,650. Employment rose by 221, or 6.1 per cent, from 3,638 in 1958 to 3,859 in 1959. Over the same two years salaries and wages climbed by 12.3 per cent from \$13,467,853 to \$15,126,076. Materials used cost \$12,443,753 in the current year, 11.1 per cent more than the \$11,202,953 laid out for the same purpose in 1958.

Details of the commodities shipped by the industry in 1959 are to be found in Table 32.

TABLE 31. Principal Statistics, Signs and Displays Industry, Representative Years, 1935 - 59

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	6,609,424	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	342	3,417	12,228,196	675,347	10,490,282	19,151,221	30,204,209
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	41	135,948	8,282	90,565	187,010	282,436
Nova Scotia	6	22	73,968	4,485	58,156	111,233	174,239
Quebec	69	802	2,861,836	138,056	2,024,542	4,703,778	6,891,483
Ontario	171	1,590	5,469,152	298,052	5,790,408	8,516,538	14,498,135
Manitoba	13	214	766,750	47,855	526,722	1,371,941	1,925,997
Saskatchewan	9	76	234,648	19,005	119,870	490,166	627,110
Alberta	33	325	1,347,109	60,139	798,460	2,583,205	3,450,974
British Columbia	48	568	2,578,442	80,874	1,794,230	4,276,491	6,157,276
1959							
Canada	346	3,859	15,126,076	743,784	12,443,753	25,292,976	38,332,099
Newfoundland and New Brunswick	7 ³	38	139,196	6,868	79,844	199,011	288,083
Nova Scotia	6	23	86,954	5,142	79,231	124,312	205,985
Quebec	68	956	3,579,750	225,572	2,454,238	6,744,165	9,407,645
Ontario	163	1,593	5,946,449	265,643	5,857,161	8,859,349	14,909,409
Manitoba	12	252	954,870	48,037	622,426	1,576,788	2,237,242
Saskatchewan	9	81	275,229	17,302	125,015	558,929	701,231
Alberta	33	342	1,469,261	67,811	932,172	2,889,855	3,876,717
British Columbia	48	574	2,674,367	107,409	2,293,666	4,340,567	6,705,787

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 Industry, 1958 and 1959

Products	1958	1959
	Selling value at factory	Selling value at factory
	dollars	
Signs, electric:		
Neon and other luminous tube	4,943,450 ¹	5,515,618 ¹
Other electric	2,156,265 ¹	2,608,580 ¹
Signs, non-electric:		
Permanent — Metal	2,094,123 ¹	2,059,807 ¹
Other (masonite, plywood, etc.)		2,023,587 ¹
Non-permanent — Showcards, streamers, etc. (card, paper, cloth etc.)	3,678,345 ¹	1,535,017 ¹
Fluorescent lighting fixtures	202,081	373,165
Advertising displays (complete)	5,110,689	4,985,242
All other products	3,089,527	2,644,606
Amount received for rental of signs	10,554,666	13,875,710
Amount received for custom work and repairs	2,178,504	2,710,767
Totals	34,007,650	38,332,099

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.

	1958 Estimated value \$	1959 Estimated value \$
Signs, electric: (a) Neon and other luminous tube	3,869,948	5,669,783
(b) Other electric	211,836	257,148
Signs, non-electric	1,450,247	434,159
Totals	5,532,031	6,361,090

STAMPS AND STENCILS RUBBER AND METAL

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

In 1959 reports were received from 67 plants located as follows: Nova Scotia 1; Quebec 13; Ontario 34; Manitoba 5; Saskatchewan 2; Alberta 3; and British Columbia 9. These firms made factory shipments during the year amounting to \$7,367,331 f.o.b. plant, 7.3 per cent above the \$6,866,633 worth of goods shipped in 1958. Employees numbered 968 compared to 927 the year before; their wages and

salaries, \$3,575,234, were 9.1 per cent higher than the \$3,277,528 paid by the industry the preceding year. Materials and supplies used in production cost \$2,282,475 in 1959 as against \$1,963,875 in 1958, a fairly substantial increase of 16.2 per cent.

The industry, in 1959, reported shipments worth \$2,175,472 for the item "stamps, daters and other marking devices"; of this total \$1,880,498 worth were of rubber. Factory sales of rubber dies amounted to \$562,041 and of other dies to \$234,670. Seals, all kinds, were shipped to the value of \$263,197, and stencils, all kinds, to the value of \$115,736. Other products included licence and name plates, signs, badges, metal stampings, buttons and ink.

STATUARY, ART GOODS, REGALIA AND NOVELTIES

Activity within this industry was at a higher level in 1959, the value of shipments, \$5,588,008, being 16.0 per cent above the comparable 1958 amount of \$4,816,392. The number of employees fell from 807 to 776 in 1959, but their aggregate salaries and wages rose in the same period from \$1,962,681 to \$2,080,397.

The industry in 1959 was comprised of 91 establishments, four less than the year before. The provincial distribution was: Quebec 40; Ontario 35; Manitoba 8; Alberta 1; and British Columbia 7.

In the year under review the industry shipped statues valued at \$520,879, an increase of 2.3 per cent over the \$509,306 worth sold in 1958. Other

statuary and art goods shipped had a value of \$1,007,704 compared to the previous year's total of \$877,650. Shipments of crests, emblems, etc., attained a value of \$503,753, 33.7 per cent above the \$376,813 reported in 1958. More detailed information on commodity shipments may be found in Table 34.

Imports of the principal commodities manufactured by the industry were as follows: statues and statuettes of porcelain or earthenware, \$897,213; statues and statuettes of materials other than porcelain or earthenware, \$331,730; and regalia and badges, \$207,373.

TABLE 33. Principal Statistics, Statuary, Art Goods, Regalia and Novelties Industry, 1939 - 59

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.....	99	828	2,018,736	75,522	1,802,350	3,156,129	4,980,978
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
1959							
Canada	91	776	2,080,397	67,510	1,976,624	3,600,180	5,588,008
Quebec	40	308	775,595	30,546	679,208	1,054,672	1,762,357
Ontario	35	379	1,112,981	29,855	1,093,207	2,294,876	3,378,369
Manitoba	8	75	164,002	5,778	181,986	218,023	391,242
Alberta and British Columbia	8 ⁴	14	27,820	1,331	22,223	32,609	56,040

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.

⁴ Alberta 1.

TABLE 34. Factory Shipments, Statuary, Art Goods, Regalia and Novelties Industry, 1958 and 1959

Products	1958	1959
	Selling value at factory	Selling value at factory
	dollars	
Statuary and art goods:		
Statues, all kinds	509,306	520,879
Religious articles (rosaries, medals, etc.)	264,237	197,878
Ornaments, plaster	421,687	..
" other	121,439	..
Art goods, other	70,287	809,826
Novelties, advertising and other:		
Felt	¹	¹
Leather	147,982	81,011
Paper	¹	173,343
Plastic	242,874	261,646
Plaster	95,617	197,093
Wooden	82,957	113,045
Other	44,042	89,920
Christmas decorations	612,591	²
Crests, emblems, badges, regalia, all kinds	376,813	503,753
Gold and silver stampings	87,992	106,067
Display stands and fixtures, all kinds	112,076	93,401
Display forms, all kinds	415,077	518,054
All other products	1,195,670	1,887,271
Amount received for custom work and repair	15,745	34,821
Total value of shipments	4,816,392	5,588,008

¹ Included with "Other" novelties.

² Confidential. Included with "All other products".

TOYS AND GAMES

This industry consists only of those establishments that manufacture toys and games as their principal product. Firms making toys and games as secondary or minor products are not included. These latter are assigned to other industries on the basis of their more important items of production.

The Toys and Games Industry in 1959 comprised 69 establishments located as follows: Nova Scotia 2; Quebec 15; Ontario 48; and two each in Manitoba and British Columbia.

In 1959 factory shipments made by the industry had a total value of \$25,148,933, f.o.b. plant, \$2,305,558 or 10.1 per cent higher than the \$22,843,375 worth of goods sold in 1958. Employment increased by 17.3 per cent, from 2,246 to 2,634 in the current year. Salaries and wages paid in 1959, at \$6,645,893, were 15.6 per cent higher than the \$5,746,701 disbursed by the industry the year before. The cost of materials used also rose, by 12.5 per cent, from \$11,170,449 to \$12,568,580 in 1959.

Ontario firms again dominated the industry with 74.1 per cent of the employment and 74.3 per cent of the factory shipments. Quebec establishments accounted for 25.4 per cent of both employment and shipments.

Imports of toys and games set yet another new record in 1959, when \$12,568,582 worth were brought in compared with a total of \$12,309,513 worth the previous year, the actual increase being \$259,069 or 2.1 per cent. Exports, although still relatively unimportant, climbed from \$426,125 in 1958 to \$1,031,159 in 1959.

Factory shipments of toys and games by all industries in 1958 and 1959 are shown in Table 37 in as much detail as is possible without contravening the secrecy clauses of the Statistics Act. It is worth while noting that the toys and games establishments proper accounted for approximately 80 per cent of the total value of all factory sales in 1959.

TABLE 35. Principal Statistics, Toys and Games Industry, Representative Years, 1926 - 59

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	10,414,646
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	68	2,185	5,118,908	241,822	9,932,102	9,949,330	19,811,595
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 ³	14	22,114	1,705	47,032	49,217	96,199
1959							
Canada	69	2,634	6,645,893	254,575	12,568,580	12,830,582	25,148,933
Quebec	15	666	1,712,156	69,792	3,037,171	3,472,962	6,382,354
Ontario	48	1,953	4,901,437	183,388	9,506,509	9,309,236	18,691,368
Other provinces	6 ⁴	15	32,300	1,395	24,900	48,384	75,211

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 2, Alberta 1, and British Columbia 2.⁴ Nova Scotia 2, Manitoba 2, and British Columbia 2.

TABLE 36. Factory Shipments, Toys and Games Industry, 1958 and 1959

Products	1958		1959	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	doz.	\$	doz.	\$
Dolls	163,693	3,898,189	180,728	4,695,184
Dolls' furnishings	1	...	1
Metal toys	1,048,366	...	1,694,627
Plastic toys	6,610,286	...	6,224,711
Wooden toys	527,405	...	308,489
Stuffed animals, etc.	143,994	2,441,045	150,891	2,583,401
Toy vehicles	1	...	1
Other toys	4,925,802	...	6,129,198
Games and puzzles	918,698	...	1,759,570
Miscellaneous products, not specified	2,437,969	...	1,740,087
Amount received for repairs	35,615	...	13,666
Total value of shipments	22,843,375	...	25,148,933

¹ Confidential. Included with "Other toys".

Note: The above table includes only the statistics of these 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. Shipments of Toys and Games by All Industries, 1958 and 1959

Products		1958		1959	
		Quantity	Selling value at factory	Quantity	Selling value at factory
			\$		\$
Doll carriages (including prams and strollers).....	No.	229,764	1,001,337	242,888	941,349
Dolls	doz.	170,820	4,041,095	188,427	4,766,739
Dolls' clothes, shoes etc. ....	...	...	503,115	...	510,295
Metal toys .....	...	...	1,088,141	...	1,749,247
Plastic toys .....	...	...	8,803,835	...	9,148,492
Wooden toys .....	...	...	1,016,961	...	632,274
Stuffed animals	doz.	144,979	2,451,080	155,891	2,633,401
Rubber toys and novelties .....	...	...	402,691	...	124,845
Balloons	gross	297,946	627,644	243,793	584,423
Sleighs, children's	No.	144,781	446,517	151,102	517,680
Tricycles, all types	"	171,828	1,708,477	209,367	1,758,132
Other children's vehicles .....	...	...	884,980	...	818,759
Miscellaneous toys (including toy vehicles) .....	...	...	3,888,438	...	3,833,558
Games and puzzles .....	...	...	2,163,920	...	3,248,289
Total value of shipments .....		...	29,028,231	...	31,267,483

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

Articles imported	1957	1958
	dollars	
Dolls of all kinds	873,361	773,471
Mechanical toys of metal	2,385,139	2,661,549
Metal or rubber juvenile construction sets, consisting of various stampings, punched or moulded, and connections, and parts	173,320	178,508
Toys of all kinds, n.e.s.	8,877,693	8,955,054

TABLE 39. Exports of Toys, 1957 and 1958

Articles exported	1957	1958
	dollars	
Dolls	92,836	167,300
Toys	333,289	863,859

TYPEWRITER SUPPLIES

The Typewriter Supplies Industry is composed of manufacturing establishments whose principal products are carbon paper and typewriter ribbons. Since 1956 the same nine firms have been submitting reports. Two of them are in Quebec, six in Ontario, and one in British Columbia.

In 1959 shipments were valued at \$6,563,245 f.o.b. plant, 8.6 per cent above the \$6,043,444 worth of factory sales made the year before. The stable nature of the industry may be adjudged from the fact that the number of employees, 418, was exactly the same in both years. Salaries and wages, however, were 3.5 per cent higher, rising to \$1,454,254 in 1959 from \$1,405,117.

Carbon paper shipments reached a total value of \$3,374,653 in 1959, compared to \$3,230,945 in 1958. The value of shipments of office machine ribbons in 1959, at \$1,814,498, was appreciably higher than the \$1,688,102 reported the year before. Other products included stamp pads, duplicator fluid and ink, but, since less than three firms were engaged 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 by all industries in 1959 amounted to \$3,692,847 and \$2,042,272, respectively. In the same year 779,755 pounds of carbon paper valued at \$513,940, and 16,106 pounds of typewriter ribbons valued at \$54,355 were imported.

TABLE 40. Principal Statistics, Typewriter Supplies Industry, Representative Years, 1927-59

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
1959	9	418	1,454,254	55,791	3,290,258	3,265,130	6,563,245

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

The Umbrella Manufacturing Industry is a small one with a gross value of production that has hovered around the \$1,000,000 mark for the past few years. Just as in 1958, there were eight reporting firms in 1959; 4 in Quebec; 1 in Ontario; and 3 in British Columbia.

In 1959 the industry shipped \$1,092,807 worth of goods, compared to total shipments in 1958 valued at \$995,550. Employment, which stood at 126 in the year under review, and salary and wage payments, which totalled \$294,810, were 10.5 and

8.0 per cent higher, respectively, than the 1958 figures of 114 and \$273,079. Materials and supplies used in manufacture cost \$559,305, as against a similar figure of \$528,728 for 1958.

Shipments in 1959 of 30,200 dozen umbrellas were valued at \$901,009, 14.4 and 8.4 per cent, respectively, below the 35,260 dozen worth \$983,146 shipped the previous year. In addition to a small amount received for repair work done, shipments of sundry items of men's furnishings were reported

THE MISCELLANEOUS INDUSTRIES, N.E.S.

Establishments that cannot be assigned to other industries of the Standard Industrial Classification are placed in "The Miscellaneous Industries, N.E.S." These firms manufacture either a product, or products, not covered by a distinct classification, or a product, or products, that would be assignable to existing classifications were it not for their mixed nature.

This industry, because of its heterogeneous composition, is subject to considerable fluctuation, so that comparisons between years do not have any great significance. It was composed of 40 establishments in 1959, the same number as in 1958. Of this number, 12 were in Quebec; 26 in Ontario; and one each in Manitoba and Alberta.

In 1959 the industry shipped goods worth \$16,921,203 f.o.b. plant, as against shipments valued at \$15,423,169 the year before. The payroll listed 1,730 persons, who received \$5,343,315 in salaries and wages, compared to the 1,651, who were paid \$4,733,585 in 1958. Materials used in manufacture in the year under review cost \$5,693,166, compared to a similar outlay of \$5,333,414 in the preceding year.

The products are, of course, quite varied and include such diverse objects as hair nets and musical powder boxes, jewellery findings and trays, needles and cases for musical instruments. Unfortunately, too few firms are engaged in the manufacture of the individual items to permit publication of data on products.

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