

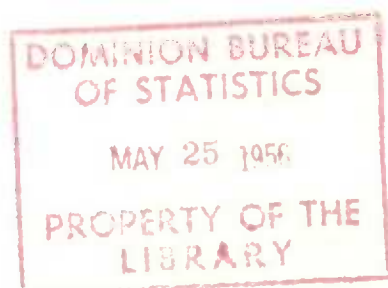
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CANADA

THE MISCELLANEOUS INDUSTRIES

1954



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries, \$1.50
- II—The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textile Mills
- VIII—Knitting Mills
- IX—Clothing
- X—Wood and Paper Products
- XI—Printing Trades
- XII—Iron and Steel Products
- XIII—Transportation Equipment
- XIV—Non-ferrous Metal Products
- XV—Electrical Apparatus and Supplies
- XVI—Non-metallic Mineral Products
- XVII—Products of Petroleum and Coal
- XVIII—Chemicals and Allied Products
- XIX—Miscellaneous Manufactures

The present report belongs in Part VII, Textile Mills. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A—General Review, 25¢
- B—The Cotton Textile Industries, 25¢
- C—The Wool Textile Industries, 25¢
- D—The Synthetic Textiles and Silk Industry, 25¢
- E—The Narrow Fabrics Industry, 25¢
- F—The Dyeing and Finishing of Textile Goods Industry, 25¢
- G—The Awning, Tent and Sail Industry, 25¢
- H—The Cordage, Rope and Twine Industry, 25¢
- I—The Cotton and Jute Bag Industry, 25¢
- J—The Miscellaneous Textiles Industries, 25¢

THE MISCELLANEOUS INDUSTRIES

1954

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.

After a 5-year period of continuous expansion during which output more than doubled in value, this industrial group in 1954 reported a slight contraction in manufacturing operations. Despite the decline, however, the level of activity was the second highest on record, having been surpassed only by the previous year.

Factory shipments were valued at \$252,306,085 compared with the peak year 1953 when shipments reached the figure of \$261,282,891, a decrease of \$8,976,806 or 3.4 per cent. Employment was given to 31,071 persons in 1954. This decrease of 1,152 persons or 3.6 per cent from 32,223 persons in the previous year was accompanied by a small fall in payroll figures of \$205,677 from \$85,954,495 to \$85,748,818. Materials and supplies used in manufacturing operations in 1954 cost \$102,179,368 while in 1953 their cost was \$103,467,901, showing a drop of \$1,288,533 or 1.2 per cent. Fuel and electricity consumed in the same two years revealed an increase of 9.9 per cent from \$3,051,957 in the earlier year to \$3,354,557 in the later. The industrial group was comprised of 1,360 establishments in 1954 compared with 1,350 establishments in 1953.

Ontario was the leading province in the group in 1954 and contributed 63.2 per cent of the value of factory shipments while Quebec followed with 29.5 per cent. Of the 31,071 employees, 19,151 or 61.6 per cent were in Ontario establishments and 9,509 or 30.6 per cent were in those of Quebec. These two provinces have consistently dominated the activity of the group.

Beginning with 1954, information on the value of year end inventory holdings at plant and plant warehouses is being collected as part of the Annual

Census of Industry. This data was formerly collected by a separate survey. The summarized results for the miscellaneous industries for the year under review will be found in Table 3.

Up until 1950, it was the practice of the Bureau to issue separate annual reports on four only of the industries comprising the group, namely; Brooms, brushes and mops; Buttons, buckles and fasteners; Musical instruments; and Sporting goods. The remaining industries were not made the subject of separate reports mainly on account of their size and, consequently, the small amount of publishable statistical information concerning them.

In recent years, however, these industries have experienced an expansion which is expected to continue. In consideration of their growth and the interest now manifest in many of them, this publication concerning them was initiated with a report covering their 1950 operations. It deals with eighteen 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 specifically mentioned in the preceding paragraph.

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

	Page
Artificial flowers and feathers	5
Candles	7
Clocks, watches and watch cases	8
Fountain pens and pencils	9
Hair goods, animal and human	11
Ice, artificial	11
Lamps, electric and lamp shades	12
Models and patterns (except paper)	13
Pipes, lighters and other smokers' supplies	14
Plastics products	14
Scientific and professional equipment	16
Signs, electric, neon and other	19
Stamps and stencils, rubber and metal	21
Statuary, art goods and novelties	21
Toys and games	22
Typewriter supplies	24
Umbrellas	25
Miscellaneous	25

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, 1926-1954

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
	No.	No.	\$	\$	\$	\$	\$
1926	393	10,032	11,309,121	581,014	18,061,371	22,939,666	41,582,051
1929	421	10,786	12,457,989	524,317	22,495,351	28,188,068	51,207,736
1933	459	8,351	7,810,976	466,678	9,497,751	14,174,498	24,138,927
1937	545	11,699	11,936,704	651,462	17,792,121	22,807,498	41,251,081
1939	566	12,280	13,045,929	576,340	18,308,810	24,508,056	43,393,206
1942	657	22,474	27,202,456	1,226,613	49,292,782	46,918,549	97,437,944
1945	692	24,024	37,187,275	1,403,334	83,549,139	59,571,126	144,523,599
1948	814	22,315	40,906,054	1,598,001	48,007,617	75,510,756	125,116,374
1949	893	26,401	51,147,475	1,985,068	59,778,187	94,600,066	156,363,321
1950	1,007	27,219	56,409,875	2,214,533	67,469,334	99,628,735	169,312,602
1951	1,173	28,756	66,908,755	2,612,594	87,292,415	120,899,546	210,804,555
1952	1,313	29,833	74,133,582	2,867,401	87,550,232	135,203,233 ²	225,620,866
1953							
Canada	1,350	32,223	85,954,495	3,051,957	103,467,901	154,763,033 ²	261,282,891
Newfoundland and Nova Scotia	20	96	225,047	57,651	169,268	416,419 ²	643,338
New Brunswick	14	386	912,920	70,807	1,494,825	1,890,923 ²	3,456,555
Quebec	443	9,890	24,758,460	819,066	31,735,083	41,972,821 ²	74,526,970
Ontario	670	19,828	54,611,389	1,773,177	65,295,850	99,255,483 ²	166,324,510
Manitoba	54	641	1,519,659	89,506	1,836,537	2,860,413 ²	4,786,456
Saskatchewan	10	53	141,186	15,329	141,131	336,427 ²	492,887
Alberta	36	279	873,329	55,843	637,660	2,014,363 ²	2,707,866
British Columbia, Yukon and North- west Territories	103	1,050	2,912,505	170,578	2,157,547	6,016,184 ²	8,344,309
1954							
Canada	1,360	31,071	85,748,818	3,354,557	102,179,368	149,157,222	252,306,055
Newfoundland	3	45	73,576	9,043	89,467	84,939	188,230
Nova Scotia	16	62	161,697	55,903	75,295	313,940	443,701
New Brunswick	14	353	911,691	77,641	1,285,266	1,772,333	3,138,376
Quebec	436	9,509	24,707,500	882,813	31,290,394	42,532,776	74,427,507
Ontario	687	19,151	54,348,342	2,009,153	64,547,899	95,067,578	159,567,287
Manitoba	52	638	1,451,284	83,658	2,182,251	2,813,380	5,051,279
Saskatchewan	12	54	143,304	14,242	122,619	287,756	419,882
Alberta	35	278	850,472	66,600	391,076	1,778,029	2,234,429
British Columbia	105	981	3,100,952	155,504	2,195,101	4,506,491	6,835,485

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, 1954

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
	No.	No.	\$	\$	\$	\$	\$
Artificial flowers and feathers	43	503	931,675	27,228	952,970	1,596,385	2,558,585
Brooms, brushes and mops	92	2,112	4,939,514	157,819	7,920,853	8,713,647	16,554,807
Buttons, buckles and fasteners	44	1,592	4,138,450	115,798	4,420,926	6,249,338	10,759,859
Candles	15	244	592,266	34,812	1,102,580	1,575,552	2,700,401
Clocks, watches and watch cases	35	1,106	3,372,014	50,446	6,110,485	6,133,062	12,238,697
Fountain pens and pencils	17	1,066	3,039,155	75,913	4,219,594	6,584,899	10,702,089
Hair goods animal and human	15	101	273,157	7,326	881,915	438,008	1,307,095
Ice, artificial	69	673	1,897,668	576,461	129,443	3,801,310	4,513,431
Lamps, electric and lamp shades	66	1,279	2,630,614	95,894	4,486,425	4,822,256	9,375,993
Models and patterns (except paper)	66	353	1,220,814	33,365	339,585	1,564,447	1,937,044
Musical instruments	26	1,379	3,588,469	144,376	3,373,189	6,704,739	10,240,585
Pipes, lighters and other smokers' supplies	12	234	617,085	22,059	885,937	1,309,246	2,058,944
Plastics products	154	3,920	9,989,841	504,209	18,526,126	18,601,356	37,480,878

TABLE 2. Principal Statistics of the Industries Comprising the Miscellaneous Industries Group, 1954 - 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
	No.	No.	\$	\$	\$	\$	\$
Scientific and professional equipment	139	6,755	22,519,467	523,231	22,824,964	38,070,305	59,743,340
Signs, electric, neon and other.....	206	2,731	8,493,332	430,412	6,444,124	13,391,309	20,273,968
Sporting goods.....	82	1,664	4,131,191	147,838	5,083,136	6,998,099	12,084,703
Stamps and stencils, rubber and metal	61	898	2,564,387	60,046	1,336,837	3,475,776	4,875,848
Statuary, art goods and novelties.....	111	946	2,055,885	67,918	1,509,980	3,175,292	4,712,658
Toys and games.....	52	1,337	3,134,766	119,784	5,608,244	5,145,063	10,937,953
Typewriter supplies.....	10	409	1,211,327	36,595	2,256,261	2,525,928	4,837,619
Umbrellas.....	8	192	358,829	8,331	688,091	702,359	1,383,343
Miscellaneous.....	37	1,577	4,048,912	114,696	3,077,703	7,578,846	11,028,245
Total.....	1,360	31,071	85,748,818	3,354,557	102,179,368	149,157,222	252,306,085

TABLE 3. Inventories¹ of the Miscellaneous Industries Group, 1954

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
Opening:				
Newfoundland.....	33,660	922	12,281	46,863
Nova Scotia.....	12,642	2,589	988	16,219
New Brunswick.....	507,112	308,472	452,701	1,268,285
Quebec.....	9,152,418	3,788,159	4,135,958	17,076,535
Ontario.....	16,738,587	7,463,817	12,995,016	37,197,420
Manitoba.....	441,358	63,965	167,902	673,225
Saskatchewan.....	39,430	5,877	7,567	52,874
Alberta.....	113,793	7,855	6,315	127,963
British Columbia.....	595,432	63,742	202,627	861,801
Canada.....	27,634,432	11,705,398	17,981,355	57,321,185
Closing:				
Newfoundland.....	60,176	972	7,491	68,639
Nova Scotia.....	27,736	3,571	2,425	33,732
New Brunswick.....	480,651	254,043	449,665	1,184,359
Quebec.....	8,748,806	3,000,072	4,414,434	16,163,312
Ontario.....	17,896,768	7,945,372	15,052,359	40,894,499
Manitoba.....	482,476	77,052	195,912	755,440
Saskatchewan.....	38,901	3,166	12,302	54,369
Alberta.....	112,039	11,380	7,591	131,010
British Columbia.....	586,673	73,152	224,238	884,063
Canada.....	28,434,226	11,368,780	20,366,417	60,169,423

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

The Artificial Flowers and Feathers Industry

This industry has declined in 1954 to one of 43 establishments having a factory shipments value of \$2,558,585 from one of 45 establishments with factory shipments valued at \$2,760,552 in 1953. The percentage decrease in value of goods shipped in 1954 was 7.3 from that of the previous year. Employment was given to 503 persons, 13 less than the year before, while the payroll increased by \$5,075 to \$931,675. Materials used cost \$952,970, which was \$123,447 or 11.5 per cent less than in 1953.

The industry is practically confined to the provinces of Ontario and Quebec. Quebec, with 27

establishments, accounted for 70.2 per cent of the persons engaged in the industry and 72.0 per cent of its shipments. Ontario accounted for the balance of employment and shipments except for the contribution of one firm in each of Manitoba, Saskatchewan and Alberta.

Artificial flowers, the principal item of production, were shipped in the amount of \$1,685,560 in 1954. Second in importance were feathers and feather trimmings which were shipped to the extent of \$358,244. For further details of products, see Table 2.

TABLE 1. Principal Statistics, Representative Years, 1927-1954

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
	No.	No.	\$	\$	\$	\$	\$
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 ³	2,675,340
1953							
Canada	45	516	926,600	18,292	1,076,417	1,665,843 ³	2,760,552
Quebec	27	363	649,438	10,551	890,380	1,149,951 ³	2,050,882
Ontario, Manitoba and Alberta	18	153	277,162	7,741	186,037	515,892 ³	709,670
1954							
Canada	43	503	931,675	27,228	952,970	1,596,385	2,558,585
Quebec	27	353	649,153	19,060	735,586	1,086,438	1,843,257
Ontario and other provinces ²	16	150	282,522	8,168	217,384	509,947	715,328

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

2. Other provinces include — Manitoba 1, Saskatchewan 1 and Alberta 1.

3. 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. Factory Shipments 1953 and 1954

Products	1953	1954
	Selling value at factory	Selling value at factory
	\$	\$
Artificial flowers:		
Silk, velvet and cotton	817,431	907,837
Crepe paper	487,792	262,601
Other	484,461	515,122
Feathers, all kinds	300,971	252,972
Feather trimmings	65,149	105,272
Wreaths, decorative and memorial	251,508	257,979
All other products	353,240	256,802
Total value of products	2,760,552	2,558,585

The Candle Industry

In 1954 reports were received from 15 establishments engaged primarily in the manufacture of candles. Twelve of these establishments were located in Quebec and one in each of Ontario, Saskatchewan and British Columbia. As indicated by the number of establishments, Quebec occupied the leading position in the industry with a high percentage of the number of persons given employment and of the value of goods shipped.

The factory shipments made by the industry in 1954 were valued at \$2,700,401, which compares with \$2,464,656 in the previous year. Employment was afforded to 244 persons, 13 more than in 1953, while the payroll at \$592,266 was higher by \$83,902 or 16.5 per cent. The cost of materials used was \$1,102,580, an increase of 17.1 per cent over the earlier year's figure.

Religious candles is the principal commodity manufactured by the industry. In 1954 the shipments

of these were as follows: 7-day lights, 124,272 dozen valued at \$862,810; votive lights all kinds, 2,345,309 dozen at \$660,057; candles, 850,044 pounds at \$636,844. Other main items in order of importance were coloured and fancy candles including wax novelties, 566,574 dozen at \$367,026 and household candles, 782,449 pounds at \$98,845.

The chief material was paraffin of which 1,348,075 pounds refined and 4,629,704 pounds crude were used, costing \$120,639 and \$346,060, respectively. Beeswax was consumed in the amount of 292,384 pounds worth \$168,147 and other wax to the extent of 48,745 pounds worth \$14,732. The consumption of stearic acid was 190,842 pounds costing \$28,313.

Imports of paraffin wax candles amounted to 293,436 pounds valued at \$98,999; other candles to 201,529 pounds valued at \$72,931. Exports of candles were 41,576 pounds with a value of \$13,137.

TABLE 1. Principal Statistics, Representative Years, 1928-1954

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
	No.	No.	\$	\$	\$	\$	\$
1928.....	11	75	67,255	5,598	217,742	237,512	460,852
1933.....	12	109	115,035	7,428	154,553	202,856	364,837
1939.....	12	141	165,961	8,734	249,638	406,694	665,066
1942.....	12	187	225,407	13,790	498,569	520,123	1,032,482
1945.....	12	252	326,739	21,535	666,462	829,190	1,517,187
1947.....	12	267	419,672	25,502	1,094,938	1,110,564	2,231,004
1948.....	13	259	411,928	26,331	1,014,641	1,160,529	2,201,501
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	2,464,656
1954.....	15	244	592,266	34,812	1,102,580	1,575,552	2,700,401

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 2. Factory Shipments 1953 and 1954

Products	Unit of measure	1953		1954	
		Quantity	Selling value at factory	Quantity	Selling value at factory
			\$		\$
Candles and cierges:					
1. Household, coloured, fancy, etc.:					
(a) Household candles, paraffin wax.....	lb.	638,816	91,470	782,449	98,845
(b) Coloured and fancy, including wax novelties..	doz.	477,120	340,054	566,574	367,026
2. Church, chapel, synagogue, etc.:					
(a) Beeswax candles and cierges.....	lb.	447,282	456,766	457,297	480,024
(b) Composition candles and cierges.....	lb.	369,292	141,729	392,747	156,820
(c) 7-day lights, bees wax and vegetable oils.....	doz.	18,176	242,857	14,655	234,028
(d) 7-day lights, composition, other.....	"	81,224	474,447	109,617	628,782
(e) Votive lights, all kinds.....	"	2,239,572	623,305	2,345,309	660,057
3. Incense.....	lb.	6,802	10,341	6,545	7,401
4. Incensed charcoal.....	"	7,364	8,312	6,073	7,820
5. Floor wax.....	"	151,653	27,863	1	1
6. All other products.....	—	—	47,512	—	59,598
Total value of products.....	—	—	2,464,656	—	2,700,401

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 same. It includes establishments whose principal activity is assembling clocks and watches from purchased movements and watchcases of either own or other manufacture. The purchase of complete watches and the attachment of straps or bands thereto is not considered a manufacturing activity.

Clock and watch manufacturers were classified with the jewellery industry until 1947 at which time they were transferred to the scientific and professional equipment industry. In 1951 they were removed from this latter industry and classified separately.

In 1954 reports were received from 35 establishments, 1 more than in 1953. Nineteen of the establishments were located in Quebec, 14 in Ontario and 2 in Manitoba. Shipments of goods in the later year were valued at \$12,238,697 compared with shipments worth \$12,669,629 in the earlier. Employment which stood at 1,190 in 1953 fell to 1,106 in 1954. Salary and wage payments were \$3,372,014 which was a decrease of \$126,803 from those of 1953. The materials consumed in manufacture cost \$6,110,485 in 1954 compared with \$7,103,175 in 1953.

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

TABLE 1. Principal Statistics, 1951-1954

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
	No.	No.	\$	\$	\$	\$	\$
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							
Canada.....	34	1,190	3,498,817	38,180	7,103,175	5,528,274 ²	12,362,429
Quebec.....	19	171	483,498	5,500	1,523,644	922,751 ²	2,451,895
Ontario and Manitoba.....	15	1,019	3,015,319	32,680	5,579,531	4,605,523 ²	10,217,734
1954							
Canada.....	35	1,106	3,372,014	50,446	6,110,485	6,133,062	12,238,697
Quebec.....	19	191	560,509	10,744	1,484,025	1,037,267	2,475,686
Ontario and Manitoba.....	16	915	2,811,505	39,702	4,626,460	5,095,795	9,763,011

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 2. Factory Shipments 1953 and 1954

Products	1952		1953	
	Quantity	Selling value at factory	Quantity	Selling value at factory
		\$		\$
Clocks, electric.....	243,442	1,075,998	258,964	1,106,370
Clocks, not electric, mantel and wall types.....	20,515	142,396	18,106	94,383
Clocks, not electric, other types.....	792,313	2,111,951	709,327	1,910,916
Watches, wrist.....	345,749	7,147,449	434,052	6,540,979
Watches, other.....	443,809	874,398	448,526	997,028
Watch cases.....	288,350	592,372	206,564	501,383
Bracelets.....	268,392	310,456	165,659	247,679
All other products.....	—	414,609	—	839,958
Total	—	12,669,629	—	12,238,697

TABLE 3. Imports of Clocks and Watches, and Parts

Articles imported	1953		1954	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Clocks and watches:				
Clocks.....	569,537	2,083,748	533,632	1,663,536
Clock movements, clock cases and clockwork mechanisms	—	133,480	—	114,379
Parts of clock movements or of clockwork mechanisms, finished or unfinished, not including plates.....	—	552,372	—	394,140
Springs of iron and steel, for use exclusively in the manufacture of clocks	—	18,486	—	5,861
Time recorders	—	276,863	—	261,385
Watches	—	2,392,531	—	1,818,782
Watch cases and parts thereof, finished or unfinished.....	—	1,688,488	—	1,318,316
Watch actions and movements, finished or unfinished.....	—	5,711,925	—	4,421,805
Parts of watch movements, finished or unfinished	—	697,408	—	662,884

TABLE 4. Exports of Clocks and Watches, and Parts

Articles exported	1953		1954	
	Quantity	Value	Quantity	Value
	No.	\$	No.	\$
Clocks and parts	79,672	368,320	64,663	303,478
Watches and parts	129,166	367,420	199,740	529,127

The Fountain Pens and Pencils Industry

This industry has grown from one comprised of three establishments with a million dollar output in 1926 to one of 17 establishments producing over ten million dollars worth of goods in 1954. The greater part of this increase occurred during the war and immediate post-war years. A substantial portion of it was effected through increased exports, the peak year for exports being 1947 during which fountain pens, pencils and parts approximating four million dollars in value were exported.

In 1954 reports were received from 17 establishments located as follows: British Columbia 1, Ontario 9 and Quebec 7. These establishments shipped goods with a selling value at factory of

\$10,702,089, gave employment to 1,066 persons who were paid \$3,039,155 in salaries and wages, and consumed materials costing \$4,219,594.

Shipments of fountain pens, the industry's leading commodity, amounted to 149,397 dozen valued at \$3,294,804. Ordinary lead and other non-mechanical pencils which were shipped to the extent of 565,888 gross worth \$2,478,838 ranked next in importance followed by ball point pens amounting to 672,338 dozen valued at \$1,934,350.

Detailed information concerning production, imports and exports appears in Tables 2, 3, and 4 which follow.

TABLE 1. Principal Statistics, Representative Years, 1926-1954

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
	No.	No.	\$	\$	\$	\$	\$
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
1940	9	603	660,398	17,420	872,115	1,244,273	2,133,808
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							
Canada	17	1,169	2,903,588	66,904	4,115,356	6,514,328 ²	10,696,588
Quebec and British Columbia	7	384	829,413	18,967	1,540,485	2,480,033 ²	4,039,485
Ontario	10	785	2,074,175	47,937	2,574,871	4,034,295 ²	6,657,103
1954							
Canada	17	1,066	3,039,155	75,913	4,219,594	6,584,899	10,702,089
Quebec and British Columbia	8	397	855,649	20,524	1,901,394	2,332,143	4,223,651
Ontario	9	669	2,183,506	55,389	2,318,200	4,252,756	6,478,438

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 2. Factory Shipments 1953 and 1954

Products	Unit of measure	1953		1954	
		Quantity	Selling value at factory	Quantity	Selling value at factory
			\$		\$
Fountain pens	doz.	175,966	3,550,356	149,397	3,294,804
Fountain pen nibs, holders and other parts	—	—	125,138	—	193,860
Ball point pens	doz.	455,732	1,654,294	672,338	1,934,350
Replacement cartridges for ball point pens	"	197,645	428,417	391,375	568,980
Non-mechanical pencils, black lead	gross	569,312	2,473,904	445,129	1,764,097
Non-mechanical pencils, other	"			120,759	714,741
Pencils, mechanical	doz.	79,129	562,778	93,694	602,877
Leads for pencils	—	—	140,406	—	128,365
Desk sets	—	—	130,948	—	104,588
Other stationery supplies	—	—	900,174	—	841,368
All other products	—	—	704,701	—	499,201
Amount received for repairs	—	—	25,472	—	54,858
Total value of products	—	—	10,696,588	—	10,702,089

TABLE 3. Imports of Pens, Pencils and Parts, 1953 and 1954

Articles Imported	Unit of measure	1953		1954	
		Quantity	Value	Quantity	Value
			\$		\$
Fountain pens	—	—	891,673	—	936,868
Pencils, lead, non-propelling, with stationary lead....	gross	49,102	103,232	47,770	129,763
Pencils, lead, n.o.p.	—	—	229,414	—	238,985
Pens, n.o.p., penholders and rules of all kinds	—	—	492,159	—	471,748

TABLE 4. Exports of Pens, Pencils and Parts, 1953 and 1954

Articles Exported	1953		1954	
	Quantity	Value	Quantity	Value
		\$		\$
Fountain pens including pen and pencil sets	—	1,894,302	—	1,082,295
Mechanical and propelling pencils	—	49,574	—	25,785
Pens and pencils and parts, n.o.p.	—	176,447	—	273,189

The Hair Goods Industry

This industry consists of firms engaged in the processing of hair. In 1954 it was comprised of 15 establishments located as follows: Quebec 6, Ontario 6, Manitoba 1 and British Columbia 2. These establishments reported shipments having a value of \$1,307,095, gave employment to 101 persons who received \$273,157 in salaries and wages, and consumed materials costing \$881,915. Comparable data for 1953 was 16 establishments, shipments valued at \$1,721,981, 118 employees,

\$317,947 in salaries and wages, and \$1,154,380 for materials.

The processing of animal hair in 1954 amounted to 449,240 pounds valued at \$832,180. Included in the shipments of goods in 1954 was \$76,479 worth of wigs, toupees and switches compared with \$70,490 worth in 1953. The balance of the value of shipments was accounted for by the amounts received for all other products and for repairs.

Manufactured Ice

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

Brunswick 2, Quebec 11, Ontario 39, Manitoba 1, Saskatchewan 1, Alberta 2, and British Columbia 11. The value of factory shipments for the year amounted to \$4,513,431. Employment was given to 673 persons who were paid \$1,897,668 in salaries and wages. Materials costing \$129,443 were consumed in production.

In 1954 the industry was comprised of 69 establishments located as follows: Nova Scotia 2, New

The industry shipped 750,816 tons of artificial ice in 1954 which compares with 856,064 tons shipped in the previous year. Trade in this commodity was on a limited scale only, exports amounting to \$41,774 and imports to \$10,324.

TABLE 1. Principal Statistics, Representative Years, 1927 to 1954

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 ¹ production
	No.	No.	\$	\$	\$	\$	\$
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
1948	61	827	1,695,441	399,227	180,095	4,485,779	5,015,101
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

TABLE 1. Principal Statistics, Representative Years, 1927 to 1954 - Concluded

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
	No.	No.	\$	\$	\$	\$	\$
1953							
Canada	77	931	2,614,595	657,087	160,407	4,986,284 ²	5,803,778
Nova Scotia and New Brunswick.....	4	50	131,956	72,236	5,538	411,368 ²	489,142
Quebec	11	100	305,491	110,839	35,390	759,907 ²	906,136
Ontario	45	571	1,620,858	331,720	84,778	2,801,882 ²	3,218,380
Prairie Provinces	4	80	197,505	55,427	12,575	417,682 ²	485,684
British Columbia	13	130	358,785	86,865	22,126	595,445 ²	704,436
1954							
Canada	69	673	1,897,668	576,461	129,443	3,801,310	4,513,431
Nova Scotia and New Brunswick.....	4	42	117,624	77,398	6,089	329,005	412,402
Quebec	11	74	224,899	95,806	26,218	619,183	741,162
Ontario	39	411	1,138,753	283,044	67,389	2,003,032	2,363,444
Prairie Provinces	4	36	103,155	44,969	10,371	334,686	387,521
British Columbia	11	110	313,237	75,244	19,376	515,404	608,902

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."

Electric Lamps and Lamp Shades

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

The industry has experienced substantial growth since 1939 as evidenced by the fact that gross value of production in that year was \$1,018,254 as compared with factory shipments of \$9,375,993 in 1954. In the earlier year the industry manufactured 167,159 electric lamps of all kinds as against 987,865 in the latter year. Lamp shade production for the same two years amounted to 411,216 and 1,688,132.

In 1954 reports were received from 66 establishments of which 32 were in Quebec, 28 in Ontario, 2 in Manitoba and 4 in British Columbia. Factory shipments made by these establishments were valued at \$9,375,993 compared with \$9,346,754 in 1953. Employment fell to 1,279 persons from the previous year's figure of 1,288, and salaries and wages decreased from \$2,662,792 to \$2,630,614 over the two years. Cost of materials consumed was \$4,486,425 which compares with \$4,651,902 in 1953, a loss of about 3.5 per cent.

Table 2 which follows contains detailed information of the industry's products for 1953 and 1954.

TABLE 1. Principal Statistics, Representative Years, 1939 to 1954

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
	No.	No.	\$	\$	\$	\$	\$
1939	25	368	328,365	8,926	486,434	522,894	1,018,254
1941	25	540	535,490	12,666	755,948	772,070	1,540,684
1942	28	578	649,062	16,018	837,579	1,053,341	1,906,938
1943	24	478	553,044	13,971	611,338	762,697	1,388,006
1945	28	651	768,117	20,729	1,115,817	1,355,273	2,491,819
1946	35	914	1,137,804	26,467	2,129,128	2,137,497	4,293,092
1947	42	845	1,148,954	34,789	1,770,414	1,828,889	3,634,092
1948	44	905	1,358,103	35,934	2,048,504	2,530,630	4,615,068
1949	45	1,078	1,828,258	43,976	2,761,502	3,187,711	5,993,189
1950	49	1,159	2,131,637	63,292	3,443,998	3,551,928	7,059,218
1951	55	1,164	2,167,450	80,415	3,624,308	3,690,651	7,395,374
1952	59	1,245	2,426,725	83,434	4,516,335	4,514,199 ²	9,113,968

TABLE 1. Principal Statistics, Representative Years, 1939 to 1954 - Concluded

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
	No.	No.	\$	\$	\$	\$	\$
1953							
Canada	57	1,288	2,662,792	88,568	4,651,902	4,606,284 ²	9,346,754
Quebec	28	529	1,070,008	25,517	2,117,719	1,939,651 ²	4,082,887
Ontario	24	646	1,347,751	49,042	2,272,695	2,353,123 ²	4,674,860
Manitoba and British Columbia	5	113	245,033	14,009	261,488	313,510 ²	589,007
1954							
Canada	66	1,279	2,630,614	95,894	4,486,425	4,822,256	9,375,993
Quebec	32	570	1,078,536	28,333	2,123,756	2,141,597	4,254,491
Ontario	28	650	1,395,739	63,527	2,179,508	2,493,882	4,752,684
Manitoba and British Columbia	6	59	156,339	4,034	183,161	186,777	368,818

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 2. Factory Shipments, 1953 and 1954

Products	1953		1954	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	No.	\$	No.	\$
Lamps, electric:				
Floor	184,147	2,239,585	209,247	2,241,454
Table	614,318	3,249,759	651,210	3,045,360
Other	136,695	320,179	127,408	455,171
Lamp shades:				
Silk	276,609	674,895	194,058	447,669
Parchment	322,578	599,116	368,498	432,443
Plastic and fibreglass	546,094	912,352	1,120,784	1,161,707
Other	43,101	70,873	4,792	15,027
Lamp and shade parts	—	5,828	—	42,240
Smoking sets	122,794	653,063	103,954	558,191
Novelties, all kinds	—	73,093	—	134,633
All other products	—	510,478	—	809,630
Amount received for custom work and repairs	—	37,533	—	32,468
Total	—	9,346,754	—	9,375,993

Models and Patterns (Except Paper)

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

The industry in 1954 consisted of 66 establishments distributed provincially as follows: Nova Scotia 1, Quebec 15, Ontario 41, Manitoba 2, Alberta

1 and British Columbia 6. These establishments reported factory shipments worth \$1,937,044. The payroll consisted of 353 employees who received \$1,220,814. Materials and supplies costing \$339,585 were consumed in manufacture. Comparable data for 1953 were 67 establishments, 375 employees, \$1,342,308 for salaries and wages, \$2,102,494 for value of factory shipments, and material cost \$328,367.

Patterns and models which account for most of the industry's output were reported to the extent of \$2,030,337 and \$1,831,312 in 1953 and 1954, respectively. Sundry items account for the small balances.

Pipes, Lighters and Other Smokers' Supplies

Prior to 1947 this industry was comprised of establishments manufacturing tobacco pipes as principal product. It was quite a small industry then with never more than 6 establishments and an annual value of production ranging from \$17,000 to \$162,000. In 1947 the industry was expanded to embrace flints, lighters and other smokers' supplies with a consequent increase in establishments to 13 and of output to approximately \$3,000,000.

In 1954 factory shipments by the industry were valued at \$2,058,944, a decrease from the \$2,411,334 reported in 1953. Employment fell from 283 to 234 over the two years while there was a drop in salary and wage payments from \$688,062 to

\$617,085. The cost of materials and supplies amounted to \$885,937 in 1954 compared to \$997,048 in 1953. There were 12 establishments in 1954, 2 fewer than in the previous year.

Details of the products shipped by the industry must be suppressed in order to avoid disclosure of figures of individual establishments. However, it is possible to publish figures as assembled from all industries for most of the main commodities produced in the pipes, lighters and other smokers' supplies industry. These, for 1954, are as follows: 6,029 dozen pipes valued at \$62,741; cigarette lighters, 648,056 at \$1,146,648; flints for lighters, \$318,746; fluid for lighters, \$595,499.

The Plastics Products Industry

Until 1946 establishments manufacturing primary plastics or plastics products were included with the miscellaneous chemical products industry. In 1946 these establishments were removed from this industry and formed into an industry entitled the plastics industry. The following year, 1947, the plastics industry was split into two industries, the first known as the primary plastics industry to which were classified establishments primarily engaged in manufacturing plastic materials in the form of sheets, rods, tubes, granules or liquid for use in further manufacture and the second called the plastics products industry, comprising establishments primarily engaged in moulding plastics for the trade and in manufacturing finished plastics products, not elsewhere classified.

It is important to note that the plastics products industry includes only those fabricators which manufacture from plastics the kinds of products not found elsewhere in the classification scheme. For example; women's aprons (including those of plastics materials) are classified to the women's factory clothing industry and establishments producing

women's plastic aprons as a principal product would be included with this industry. Similarly, manufacturers of plastic toys would be classified to the toy industry, of plastic handbags to the miscellaneous leather industry where the commodity handbags is to be found, etc. Some production of these commodities will, of course, be found in the plastics products industry where they are produced as secondary or minor products by the establishments assigned to the industry on the basis of their more important items of manufacture.

In 1954 the industry was comprised of 154 establishments distributed provincially as follows: Nova Scotia 1, New Brunswick 2, Quebec 41, Ontario 87, Manitoba 6, Alberta 5 and British Columbia 12. These establishments shipped goods with a value f.o.b. plant of \$37,480,878. The payroll listed 3,920 persons who received \$9,989,841 in salaries and wages. Materials having a cost of \$18,526,126 were used in manufacture.

The commodities shipped by the industry in 1954 are detailed in Table 2 which follows.

TABLE 1. Principal Statistics, 1947 to 1954

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
	No.	No.	\$	\$	\$	\$	\$
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

TABLE 1. Principal Statistics, 1947 to 1954 - Concluded

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
	No.	No.	\$	\$	\$	\$	\$
1953							
Canada.....	152	4,067	10,138,910	425,819	18,725,903	19,858,821 ²	39,010,545
Quebec	48	1,139	2,819,415	158,335	7,142,364	5,378,302 ²	12,679,001
Ontario	84	2,779	7,008,798	257,186	10,542,859	13,939,902 ²	24,739,947
British Columbia.....	9	57	110,517	3,411	130,657	178,154 ²	312,222
Other Provinces	11	92	200,180	6,887	910,025	362,463 ²	1,279,375
1954							
Canada.....	154	3,920	9,989,841	504,209	18,526,126	18,601,356	37,480,878
Quebec	41	1,022	2,762,706	160,878	6,031,063	5,836,207	12,017,547
Ontario	87	2,665	6,827,195	328,275	10,990,793	11,951,175	23,156,620
British Columbia.....	12	60	129,803	5,370	253,597	228,161	476,016
Other Provinces	14	173	270,137	9,686	1,250,673	585,813	1,830,695

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".

TABLE 2. Factory Shipments, 1953 and 1954

Products	1953	1954
	Selling value at factory	Selling value at factory
	\$	\$
Household equipment and accessories:		
Dresserware	72,551	56,475
Kitchenware	1,799,668	1,678,836
Tableware.....	1,622,034	1,219,310
Trays.....	137,539	185,920
Bags, garment, laundry, etc.	775,371	324,403
Covers, food and other	192,478	452,618
Curtains and drapes	797,311	327,242
Handles and knobs, for kitchenware and other household equipment....	1	329,818
Hangers, garment.....	158,749	93,825
Table cloths and covers	359,031	47,217
Other	391,882	389,735
Clothing:		
Aprons.....	53,431	6,854
Baby pants	463,805	502,596
Bibs.....	38,180	44,640
Headwear	9,434	78,459
Other clothing, not specified.....	490,877	462,647
Other personal equipment:		
Bags, knitting, hand, etc.	66,081	136,722
Bags, diaper, cosmetics, etc.	50,811	49,271
Brushes and brush parts	68,077	39,547
Buttons	27,567	19,788
Combs	1,277,038	1,022,795
Other personal equipment, not specified	242,245	701,903

TABLE 2. Factory Shipments, 1953 and 1954 - Concluded

Products	1953	1954
	Selling value at factory	Selling value at factory
	\$	\$
Miscellaneous plastics products:		
Automobile parts and accessories	1,358,685	1,149,672
Aircraft parts and accessories	369,726	72,311
Radio parts and accessories	577,412	609,699
Refrigerator parts and accessories	461,806	622,892
Electrical parts and accessories, other	2,624,043	2,596,944
Other mechanical parts and accessories	171,740	—
Bags for packaging food, etc.	1,486,039	2,445,729
Bottle caps, closures etc.	744,392	621,686
Boxes and cases for clocks, hosiery, jewellery, etc.	86,172	48,206
Boxes other	251,577	572,640
Beauty parlor equipment and accessories	2	2
Garden hose	322,102	369,743
Handles, not elsewhere specified	549,120	423,643
Laminated plastics	4,707,542	4,864,656
Novelties	402,231	452,609
Nursery supplies	129,364	203,171
Signs and displays	303,594	278,747
Stationery goods	154,312	227,168
Toys	3,478,442	2,604,271
Tile, floor and wall	808,176	1,037,527
Pipe extruded	963,298	1,462,397
Tubing, lacing, belting, etc., extruded	242,647	324,521
Other miscellaneous plastics products not specified	7,281,941	7,291,092
Miscellaneous products other than plastics	1,643,628	658,172
Custom work and repairs	798,396	372,761
Total value of products	39,010,545	37,480,878

1. Included with other household equipment and accessories.

2. Included with other miscellaneous plastics products, not classified.

Scientific and Professional Equipment

This industry is comprised of establishments primarily engaged in manufacturing mechanical measuring and controlling instruments; dental, medical and surgical instruments and equipment; surgical and orthopedic appliances; optical instruments and lenses; ophthalmic goods; photographic equipment and supplies. Clock and watch manufacturers were transferred from the jewellery industry to this industry in 1947 but were removed in 1951 and formed into a separate industry¹. Establishments primarily engaged in manufacturing instruments for indicating, measuring and recording electrical quantities and characteristics are classified in the miscellaneous electrical products industry.

Table 1, which follows, shows that the value of the products shipped by the industry in 1954 was about nine times the 1939 output. The increase resulted from expanded production of established lines and from the production of commodities heretofore imported. It will be noted that output during the war years was much in excess of that of the postwar years, a peak production of \$78,534,483 having been attained in 1944. This was due to tremendous increases in production of instruments of various kinds for war purposes.

In 1954 reports were received from 139 establishments, 78 of these being in Ontario, 32 in Quebec, 9 in Manitoba, 10 in British Columbia, 5 in Alberta, 4 in New Brunswick and 1 in Nova Scotia. These establishments reported factory shipments valued at \$59,743,340. Employment was given to 6,755 persons who received \$22,519,467 in salaries and wages. Materials costing \$22,824,964 were used in manufacture. The 1953 principal statistics were: establishments, 128; gross value of shipments, \$61,028,652; employees, 6,642; salaries and wages, \$22,107,369; cost of materials, \$22,010,622.

While the commodities in this industry are collected in detail, the data must often be suppressed because too few establishments are involved to permit publication without divulging the figures of individual establishments. Such is the case for photographic supplies. However, it is usually possible to meet the confidence requirement and still publish useful figures by effecting appropriate combinations of the commodity data. Table 2 gives the commodities manufactured by the industry in as much detail and as meaningfully as possible.

1. See page 8 for information on this newly formed industry.

TABLE 1. Principal Statistics, Representative Years, 1927 to 1954

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
	No.	No.	\$	\$	\$	\$	\$
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							
Canada	128	6,642	22,107,369	429,594	22,010,622	38,588,436 ²	61,028,652
Nova Scotia and New Brunswick	5	45	92,348	2,082	58,329	100,289 ²	160,700
Quebec	29	1,949	6,467,255	84,485	5,960,901	8,770,072 ²	14,815,458
Ontario	70	4,533	15,271,591	335,108	15,833,008	29,336,480 ²	45,504,596
Manitoba	9	60	154,707	3,688	100,615	200,446 ²	304,749
Alberta	5	18	47,031	1,487	37,917	64,231 ²	103,635
British Columbia	10	37	74,437	2,744	19,852	116,918 ²	139,514
1954							
Canada	139	6,755	22,519,467	523,231	22,824,964	38,070,305	59,743,34 ¹
Nova Scotia and New Brunswick	5	26	57,701	1,939	47,907	64,763	113,869
Quebec	32	1,827	6,443,205	102,159	6,595,763	8,949,984	15,632,994
Ontario	78	4,806	15,806,139	409,867	16,030,581	28,708,568	43,486,866
Manitoba	9	51	108,162	4,747	87,861	178,264	271,234
Alberta	5	22	46,992	1,853	41,869	80,719	124,441
British Columbia	10	23	57,268	2,666	20,983	88,007	113,936

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 2. Factory Shipments, 1953 and 1954

Products	1953 Factory shipments		1954 Factory shipments	
	Quantity	Value	Quantity	Value
		\$		\$
Scientific and professional equipment:				
Thermometers, industrial and laboratory	No. 29,458	289,296	36,889	320,425
Thermometers, other	" 591,267	263,060	551,790	260,160
Pyrometers and temperature regulators	" —	130,473	" —	344,280
Measuring gauges	" —	257,155	" —	381,483
Other indicating, recording and controlling instruments	" —	23,049,167	" —	20,011,315
Dental and surgical instruments	" —	64,837	" —	50,392
Optical instruments	" —	131,048	" —	88,733
Lenses for optical instruments	" —	143,074	" —	110,483
All other scientific and professional equipment	" —	2,971,724	" —	4,353,930
Ophthalmic goods:				
Lenses for spectacles	No. —	3,096,871	2,444,841	2,754,977
Spectacles complete	" 64,683	363,639	36,501	276,146
Sunglasses	" 2	2	2	2
All other ophthalmic goods	" —	1,490,057	" —	1,419,122
Photographic equipment and supplies	" —	1	" —	1

1. Confidential. Included with "all other products".

2. Confidential. Included with "all other ophthalmic goods".

TABLE 2. Factory Shipments, 1953 and 1954 — Concluded

Products	1953 Factory shipments		1954 Factory shipments	
	Quantity	Value \$	Quantity	Value \$
Orthopaedic and surgical appliances:				
Artificial limbs..... No.	1,005	248,561	1,097	263,994
Trusses..... "	38,850	203,165	37,385	183,300
Surgical belts..... "	74,901	253,696	67,676	274,964
Arch supports..... pr.	76,620	131,438	39,975	125,822
Orthopaedic corsets..... "	14,060	79,638	15,532	85,806
Surgical supports, other..... No.	172,405	295,717	175,977	265,094
Elastic stockings..... "	93,314	139,404	77,280	129,314
Braces, spinal..... "	1,892	77,905	1,205	45,100
Braces, other..... "	2,625	45,821	3,235	79,538
All other surgical and orthopaedic appliances..... —	—	361,263	—	402,433
Parking meters..... No.	7,188	485,835	6,589	638,868
All other products..... —	—	18,877,996	—	18,861,594
Amount received for custom work and repairs..... —	—	7,577,812	—	8,016,067
Total..... —	—	61,028,652	—	59,743,340

TABLE 3. Imports of Scientific and Professional Equipment

Articles imported	1953		1954	
	Quantity	Value \$	Quantity	Value \$
Photographic equipment and supplies:				
Cinematograph and motion picture cameras, equipped for motion picture production, and parts..... —	—	46,253	—	62,976
Cameras and camera parts, n.o.p. —	—	3,540,642	—	3,910,556
Camera parts, in the rough, for the manufacture of cameras..... —	—	119,486	—	99,092
Camera lenses and shutters for the manufacture of cameras..... —	—	264,585	—	185,198
Films, X-ray..... —	—	2,337,219	—	2,327,646
Films, chemically prepared for photographers use..... —	—	1,477,926	—	1,682,122
Films, hypersensitive or super-sensitive panchromatic, and infra-red films, unexposed, for aerial photography..... —	—	39,082	—	57,262
Sensitized negative film, one and one eighth inch in width or over, for exposure in motion picture cameras..... —	—	118,392	—	140,198
Photographic dry plates..... —	—	149,103	—	146,312
Photoflash lamps..... 3,474,209	280,102	5,191,019	322,688	
Photographic accessories, except cameras and parts, equipment used in developing, printing and finishing photographs; parts of all the foregoing..... —	—	2,276,661	—	2,461,724
Orthopaedic and surgical appliances:				
Artificial limbs and parts, and materials for..... —	—	115,813	—	112,966
Appliances or boots for crippled or deformed foot or ankle..... —	—	3,434	—	5,927
Spinal and other orthopaedic braces and parts thereof; materials, not mentioned elsewhere, for the manufacture of the foregoing..... —	—	36,860	—	66,796
Surgical trusses and suspensory bandages of all kinds, and abdominal supports..... —	—	21,085	—	22,384
Instruments and apparatus:				
Chronometers and compasses, and parts, including cards, not made in Canada, for ships and aircraft..... —	—	1,264,837	—	661,908
Cyclometers, pedometers, speedometers, and parts..... —	—	135,535	—	152,051
Dental instruments; surgical needles; microscopes valued at not less than \$50 each, retail; parts..... —	—	1,073,124	—	1,129,432
Engineers', surveyors', draftsmen's, machinists or metal-workers' precision tools and measuring instruments, geophysical surveying instruments and parts. Photogrammetric instruments for use in the interpretation of photographs and in the preparation of maps from photographs..... —	—	6,390,567	—	5,329,518
Globes, geographical, topographical and astronomical..... —	—	61,201	—	81,647
Optical, philosophical, photographic and mathematical instruments, n.o.p., and parts..... —	—	4,237,651	—	4,325,890
Oven thermostats, automatic oven lighters and dual valves for gas stoves, and gas pressure regulators..... —	—	365,967	—	98,152

TABLE 3. Imports of Scientific and Professional Equipment - Concluded

Articles imported	1953		1954	
	Quantity	Value	Quantity	Value
Instrument and apparatus - Concluded:				
Philosophical and scientific apparatus, for use by institutions, hospitals and schools	—	4,405,710	—	5,153,589
Thermometers, including clinical thermometers	—	1,115,831	—	1,184,211
Surgical instruments and parts	—	4,567,457	—	4,580,252
Artificial eyes for human use, and contact eye glasses or lenses	—	18,989	—	10,059
Artificial teeth, not mounted, and materials for the manufacture thereof	—	1,196,930	—	1,141,604
Spectacles and eye-glass frames, and parts, n.o.p.	—	2,531,351	—	2,263,709
Parts, unfinished, for the manufacture of spectacles and eye-glass frames	—	326,113	—	394,286
Lenses, glass, n.o.p.	—	283,025	—	295,344
Spectacles, eye-glasses and ground or finished spectacle or eye-glass lenses, n.o.p.	—	611,656	—	591,375

TABLE 4. Exports of Scientific and Professional Equipment

Articles exported	1953		1954	
	Quantity	Value	Quantity	Value
		\$		\$
Cameras	1,483	238,772	973	126,347
Camera parts	—	5,521	—	11,152
Dental and surgical apparatus and instruments, and hospital equipment	—	444,893	—	396,474
Films, X-ray	—	401	—	82
Films, n.o.p.	—	2,917,356	—	2,019,360
Goggles and spectacles and parts	—	105,508	—	86,280
Lenses of glass, rough or finished	—	276,484	—	237,890
Motion picture apparatus	—	32,260	—	11,228
Philosophical and scientific apparatus and instruments, n.o.p.	—	431,942	—	794,371

Signs, Electric, Neon and Other

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

Electric signs include those of neon and other luminous tube, many of which are leased or rented. Signs which were not sold outright were reported at the value they would have had had they been so sold.

In 1954 reports were received from 206 establishments. Receipts from factory shipments, custom work and repairs amounted to \$20,273,968 compared with the 1953 figures of \$21,789,501. Employment which stood at 2,632 in the earlier year rose to 2,731 in the later and salaries and wages increased from \$7,703,654 to \$8,493,332 over the two years. Materials used cost \$6,444,124 in 1954 compared with \$6,247,579 in 1953.

Details of the commodities shipped by the industry in 1954 are to be found in Table 2.

TABLE 1. Principal Statistics, Representative Years, 1935 to 1954

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
	No.	No.	\$	\$	\$	\$	\$
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
1940	42	560	851,721	66,701	459,408	1,681,627	2,207,736
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
1948	44	1,121	2,581,844	111,320	1,724,668	4,774,716	6,610,704
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	171,921	2,801,486	7,531,833	10,504,340
1951	103	2,001	5,336,652	271,396	4,765,596	10,021,946 ²	15,058,938
1952	176	2,356	6,609,424	330,225	5,344,140	12,711,681 ²	18,386,046
1953							
Canada	193	2,632	7,703,654	336,970	6,247,579	15,204,952 ²	21,789,501
Newfoundland and New Brunswick	6	35	95,046	4,434	62,004	130,940 ²	197,378
Nova Scotia	6	16	55,908	4,728	55,052	85,007 ²	144,787
Quebec	49	617	1,707,832	68,994	1,231,558	2,902,229 ²	4,202,781
Ontario	89	1,214	3,325,830	143,715	3,175,875	5,375,478 ²	8,695,068
Manitoba	8	160	476,255	43,635	172,855	1,149,746 ²	1,366,236
Saskatchewan	3	17	51,314	1,385	52,693	171,472 ²	225,550
Alberta	16	187	648,208	30,211	531,415	1,651,284 ²	2,212,910
British Columbia	16	386	1,343,261	39,868	966,127	3,738,796 ²	4,744,791
1954							
Canada	206	2,731	8,493,332	430,412	6,444,124	13,391,309	20,273,968
Newfoundland and New Brunswick	7	41	105,426	7,873	69,986	165,722	241,306
Nova Scotia	6	21	57,266	7,166	38,924	103,913	150,003
Quebec	49	634	1,872,982	90,299	1,305,033	3,003,581	4,397,857
Ontario	100	1,231	3,545,177	199,861	3,523,197	5,139,443	8,873,943
Manitoba	7	155	491,031	38,383	211,491	1,037,671	1,287,545
Saskatchewan	3	19	59,070	2,017	25,091	140,686	167,811
Alberta	16	204	681,933	43,264	294,923	1,464,802	1,802,989
British Columbia	18	426	1,680,447	41,549	975,479	2,335,491	3,352,514

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 2. Factory Shipments, 1953 and 1954

Products	1953 Selling value at factory	1954 Selling value at factory
	\$	\$
Signs, Electric:		
Neon and other luminous tube	5,200,665	6,605,627
Other electric	431,829	989,805
Signs, Non electric:		
Metal signs	1,812,297	2,560,238
Screen processed signs, other than metal	529,603	598,723
All other non electric signs	1,708,684	1,514,389
Fluorescent lighting fixtures	489,806	600,170
Advertising displays	2,870,595	3,287,421
All other products	1,222,369	2,414,626
Amount received for rental of signs	5,663,752	1
Amount received for custom work and repairs	1,859,901	1,702,969
Total	21,789,501	20,273,968

1. Receipts from rental of leased signs were not collected in 1954.

Stamps and Stencils, Rubber and Metal

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

In 1954 reports were received from 61 establishments distributed provincially as follows: Nova Scotia 2, Quebec 12, Ontario 30, Manitoba 6, Saskatchewan 2, Alberta 2, and British Columbia 7. They reported factory shipments with a value of \$4,875,848, thus indicating an industry comprised of relatively small plants. Employees numbered 898 persons who received \$2,564,387 in salaries and wages. Materials consumed in production cost

\$1,336,837. Comparable figures for 1953 are 60 establishments, 920 employees, salaries and wages \$2,509,121, material cost \$1,277,442 and value of factory shipments \$4,934,533.

The industry in 1954 reported shipments with a value of \$1,252,696 for the item "stamps, daters and other marking devices". Of this total, \$1,111,838 worth were of rubber. Factory shipments of rubber dies amounted to \$354,977 and other dies to \$241,411. Seals, all kinds, were shipped to the value of \$234,534 and stencils, all kinds, to the value of \$50,073. Shipments of metal, licence, name and other types of plates amounted to \$1,279,663. Other products included signs, badges, metal stampings and buttons.

Statuary, Art Goods, Regalia and Novelties

The expansion which has been noted in this industry since its modest level of operations in 1939 was interrupted in 1954. Factory shipments by the industry totalled \$4,712,658, a drop of \$498,514 or 9.5 per cent from the preceding year's \$5,211,172. The number of employees fell to 946 from 989 in 1953 and their earnings from \$2,090,786 to \$2,055,885. The reduction in the value of factory shipments was accompanied by an 18 per cent decrease in the cost of materials consumed in manufacture from \$1,842,169 in 1953 to \$1,509,980 in 1954.

The industry in the year under review was comprised of 111 establishments, 11 less than a year before. It was concentrated in Quebec and Ontario as will be seen by the following provincial

distribution of establishments: Nova Scotia 1, Quebec 46, Ontario 48, Manitoba 7, Alberta 1 and British Columbia 8.

In the same year the industry shipped statues valued at \$713,364. Other statuary and art goods shipped had a value of \$876,027. Shipments of novelties were valued at \$867,156 and crests, emblems, badges and regalia at \$300,502. Complete information on commodity shipments will be found in Table 2.

Imports of the principal commodities manufactured by this industry were as follows: statues and statuettes of porcelain or earthenware, \$836,106; statues and statuettes of material other than porcelain or earthenware, \$265,387; regalia and badges, \$145,580.

TABLE 1. Principal Statistics, 1939-1954

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
	No.	No.	\$	\$	\$	\$	\$
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							
Canada	122	989	2,090,786	59,632	1,842,169	3,309,371 ²	5,211,172
Quebec	49	400	819,608	22,918	767,002	1,278,555 ²	2,068,475
Ontario	50	422	972,585	28,336	904,196	1,568,585 ²	2,501,117
Manitoba	9	129	229,668	6,416	137,076	363,352 ²	506,844
British Columbia	11	28	47,343	1,516	17,415	67,690 ²	86,621
Other Provinces	3	10	21,582	446	16,480	31,189 ²	48,115
1954							
Canada	111	946	2,055,885	67,918	1,509,980	3,175,292	4,712,658
Quebec	46	372	758,281	24,140	517,109	1,130,279	1,660,424
Ontario	48	449	1,077,695	34,199	866,985	1,682,323	2,554,347
Manitoba	7	104	186,880	4,758	112,641	320,426	437,847
British Columbia and other provinces ..	10	21	33,029	4,821	13,245	42,264	60,040

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".

TABLE 2. Factory Shipments, 1953 and 1954

Products	1953	1954
	Selling value at factory	Selling value at factory
	\$	\$
Statuary and art goods:		
Statues, all kinds.....	768,242	713,364
Religious articles (rosaries, medals, etc.)	179,018	185,241
Ornaments, plaster.....	715,635	464,037
" other	155,351	166,761
Art goods, other	50,013	59,988
Novelties, advertising and other:		
Felt	55,202	1
Leather	1	1
Paper	91,419	137,314
Plastic.....	201,111	223,533
Plaster.....	93,550	198,821
Wooden.....	49,081	37,379
Other	462,938	270,109
Christmas tree decorations.....	364,785	160,550
Crests, emblems, badges, regalia, all kinds	455,706	300,052
Pennants.....	2	2
Gold and silver stampings	158,281	109,378
Display stands and fixtures, all kinds	299,533	164,360
Display forms, all kinds	284,356	415,833
All other products	551,491	909,626
Amount received for custom work and repairs	275,460	196,312
Total	5,211,172	4,712,638

1. Included with other "Novelties, advertising and other."

2. Included with "All other products."

The Toy and Game Industry

This industry is comprised of establishments which manufacture toys and games as their principal product. In 1954 reports were received from 52 of these which were distributed provincially as follows: Nova Scotia 1, Quebec 11, Ontario 36, Manitoba 1, Alberta 1 and British Columbia 2. The industry was concentrated in Ontario and Quebec, Ontario holding the dominant position with 73 per cent of employees and 74 per cent of shipments. Quebec accounted for 26 per cent of employees and 25 per cent of shipments.

Factory shipments made by the industry in 1954 had a value f.o.b. factory of \$10,937,953 which compares with \$11,369,413 worth of products shipped in 1953. Employment decreased from 1,551 in the earlier year to 1,337 in the later while salaries and wages fell from \$3,475,270 to \$3,134,766. The cost of materials used amounted to \$5,608,244 in 1954 as against \$5,948,744 in 1953.

Increase in imports has been substantial during post war years in the products made by this industry. Increasing amounts of toys are being obtained annually from Japan, Italy and Germany. During 1953 a peak was reached when importations from all countries totalled \$10,049,698. Corresponding figures for 1954 were \$9,293,133. Exports, on the other hand, are relatively unimportant. In 1953 the total figure was \$236,104 while in 1954 it was \$186,211.

The toys and games produced by the establishments classified to this industry do not represent total Canadian production. There are concerns which manufacture toys and games only as secondary or minor products and which are assigned to other industries on the basis of their more important items of manufacture. In 1954, these concerns accounted for approximately 43 per cent of the value of total Canadian shipments. Table 3 summarizes in as much detail as possible total shipments of toys and games as assembled from all industries.

TABLE 1. Principal Statistics, Representative years, 1926-1954

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
	No.	No.	\$	\$	\$	\$	\$
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							
Canada	55	1,551	3,475,270	128,840	5,948,744	5,291,829²	11,369,413
Quebec	10	395	1,018,895	49,724	1,490,902	1,255,858 ²	2,796,484
Ontario	39	1,143	2,441,423	78,223	4,433,370	4,002,989 ²	8,514,582
Other provinces	6	13	14,952	893	24,472	32,982 ²	58,347
1954							
Canada	52	1,337	3,134,766	119,784	5,608,244	5,145,063	10,937,953
Quebec	11	343	905,289	53,042	1,258,187	1,385,451	2,742,677
Ontario	36	980	2,212,248	65,218	4,320,057	3,724,428	8,128,836
Other provinces	5	14	17,229	1,524	30,000	35,184	66,440

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 2. Factory Shipments, 1953 and 1954

Products	1953		1954	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	doz.	\$	doz.	\$
Dolls	169,355	3,201,329	132,693	3,182,646
Dolls' furnishings	—	394,332	137,284	102,341
Metal toys	—	2,107,916	—	1,453,047
Plastic toys	—	503,240	—	481,415
Wooden toys	—	310,722	32,063	167,148
Stuffed animals, etc.	87,338	1,342,232	—	1,200,532
Toy vehicles	—	386,119	28,407	391,626
Other toys, including tricycles	—	1,069,159	—	2,413,101
Games and puzzles	—	679,923	—	646,226
Miscellaneous products, not specified	—	1,369,450	—	837,745
Amount received for repairs	—	4,991	—	62,126
Total	—	11,369,413	—	10,937,953

Note. The above table includes only the statistics of those manufacturing establishments whose principal products are toys and games. The figures do not necessarily represent Canadian totals as toys and games are also made as secondary products by firms in other industries. The total figures for all industries are shown in Table 3.

TABLE 3. Toys and Games from all Industries, 1953 and 1954

Products	1953		1954 ¹	
	Quantity	Selling value at factory	Quantity	Selling value at factory
	doz.	\$	doz.	\$
Doll carriages.....	—	748,250	—	1,125,660
Dolls	189,190	3,410,457	144,951	3,400,756
Dolls' furnishings	—	478,873	—	285,661
Metal toys	—	2,347,334	—	1,719,465
Plastic toys	—	4,346,095	—	3,390,543
Wooden toys	—	862,788	—	684,376
Stuffed animals.....	87,338	1,342,232	73,207	1,200,532
Rubber toys and novelties	—	569,836	95,460	417,488
Balloons	—	334,011	—	346,281
Tricycles, all types.....	—	1,502,241	—	1,185,556
Other children's vehicles	—	768,288	—	779,871
Miscellaneous toys (including toy vehicles).....	—	986,660	—	1,314,459
Games and puzzles	—	1,840,027	—	1,815,399
Total	—	19,537,092	—	17,666,047

- 1. Figures for 1954 are preliminary and subject to revision.

TABLE 4. Imports of Toys and Games, 1953 and 1954

Articles imported	1953	1954
	\$	\$
Dolls of all kinds	819,633	659,191
Mechanical toys of metal.....	1,858,529	1,992,955
Metal or rubber juvenile construction sets, consisting of various stampings, punched or moulded, and connections, and parts	238,442	246,578
Toys of all kinds, n.o.p.....	7,133,094	6,394,409

TABLE 5. Exports of Toys, 1953 and 1954

Articles exported	1953	1954
	\$	\$
Dolls.....	61,748	74,024
Toys	174,356	112,187

Typewriter Supplies

This industry is comprised of manufacturing establishments whose principal products are carbon paper and typewriter ribbons. In 1954 there were ten of these with all but three of them in Ontario. Two were located in Quebec and one in British Columbia.

The industry's factory shipments were \$5,021,894 and \$4,837,619 respectively in the years 1953 and 1954. Employment fell from 445 to 409 and salaries and wages from \$1,227,504 to \$1,211,327 over the two years. Materials cost \$2,401,040 in the earlier year compared with \$2,256,261 in the later.

Carbon paper shipments amounted to \$2,976,073 worth in 1953 and \$2,518,087 worth in 1954. Factory

shipments of machine ribbons, principally typewriter, amounted in value to \$1,692,823 in 1953 compared with \$1,779,766 in 1954. Other products included stamp pads, duplicator fluid and ink but since less than three manufacturers were involved in the manufacture of each of them the figures cannot be published without divulging the particulars of individual firms.

Factory shipments of carbon paper and typewriter ribbons in Canada by all industries in 1954 amounted to \$2,816,546 and \$1,891,731, respectively. In the same year 407,684 pounds of carbon paper valued at \$314,014 and 6,624 pounds of typewriter ribbons valued at \$31,560 were imported.

TABLE 1. Principal Statistics, 1927-1954

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
	No.	No.	\$	\$	\$	\$	\$
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	30,180	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

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."

Umbrellas

This industry is a small one with a gross value of production which has hovered around the \$1 million mark for the past few years. Establishments have usually numbered six in this period with two of these in Quebec, three in Ontario and one in British Columbia. The addition of two new plants in British Columbia in 1951, however, raised the number to 8 where it has remained since.

The industry reported factory shipments to the value of \$1,203,938 and \$1,383,343 in 1953 and 1954 respectively. Employment which stood at 180

in 1953 rose to 192 in 1954 accompanied by a rise in salary and wage payments from \$324,963 to \$358,829. Materials used cost \$622,410 in the earlier year compared with \$688,091 in the later.

Umbrellas along with a small amount of repair work performed account for all the industry's production. In 1954 there were 44,183 dozen umbrellas shipped with a value of \$1,360,186. The production of this commodity in 1953 amounted to 40,671 dozen worth \$1,193,940.

The Miscellaneous Industries, N.E.S.

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

Because of the nature of its composition, this industry is subject to substantial fluctuation and because of its heterogeneous nature comparisons between years does not have any great significance. It was comprised of 35 establishments in 1953 and 37 establishments in 1954. These were confined chiefly to Ontario and Quebec with 11 plants in Quebec, 25 in Ontario and 1 in British Columbia.

In 1954 the industry shipped goods valued at \$11,028,245. The payroll listed 1,577 persons who received \$4,048,912 in salaries and wages. Materials costing \$3,077,703 were consumed in manufacture. Comparable 1953 figures are as follows: shipments, \$10,776,457; employees, 1,620; salaries and wages, \$3,859,529; materials used, \$3,138,570.

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

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