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# MANUFACTURERS OF MAJOR APPLIANCES (ELECTRIC AND NON-ELECTRIC)

1960

First issue — This is one of a series of eight new reports formerly included in 43-201—Electrical Apparatus and Supplies Industry. 43-201 will in future contain the general review for the industries which comprise the Electrical Products Industries Group, and will be the last report to be released. For a list of the new reports see inside front cover.

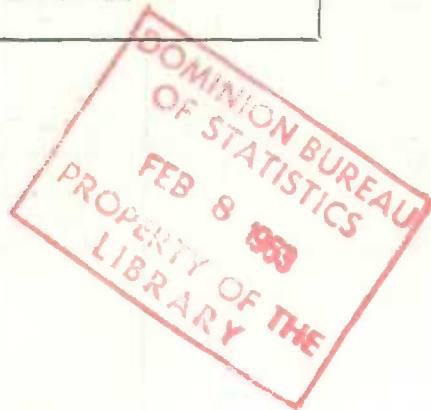
## ANNUAL CENSUS OF MANUFACTURES

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## ELECTRICAL PRODUCTS INDUSTRIES GROUP

### Catalogue number

- 43-201 Electrical Products Industry-General Review
- 43-203 Manufacturers of Small Electrical Appliances
- 43-204 Manufacturers of Major Appliances (electric and non-electric)
- 43-205 Manufacturers of Household Radio and Television Receivers
- 43-206 Communications Equipment Manufacturers
- 43-207 Manufacturers of Electrical Industrial Equipment
- 43-208 Battery Manufacturers
- 43-209 Manufacturers of Electric Wire and Cable
- 43-210 Manufacturers of Miscellaneous Electrical Products

*1960 issues of these reports will be sent on release to all subscribers for 43-201 - Electrical Apparatus and Supplies Industry. For 1961 issues, subscribers will be asked to select the reports they wish to receive.*

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### SYMBOLS

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

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

## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

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

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers



and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value added by Manufacturing**

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

### **Standard Industrial Classification**

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

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

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

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

### **Short Forms**

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

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

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

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

# MANUFACTURERS OF MAJOR APPLIANCES

(ELECTRIC AND NON-ELECTRIC)

1960

Data for 1960 presented in this report reflect implementation of the revised Standard Industrial Classification (S.I.C.) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics—see item "Standard Industrial Classification" in the Explanatory Notes section of this report. The present report constitutes the first in this series for Manufacturers of Major Appliances (Electric and Non-Electric). For statistical purposes the industry titled Manufacturers of Major Appliances (Electric and Non-Electric) in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing household type appliances and machines such as stoves, refrigerators, home and farm freezers, window type air conditioning units, laundry equipment and sewing machines. Establishments primarily engaged in manufacturing small household electric appliances are classified in Industry no. 331 – Manufacturers of Small Electric Appliances.

In many instances adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments as between industry grouping and the establishment of new industries as in the case of Manufacturers of Major Appliances (Electric and Non-Electric). This latter industry in accordance with the new S.I.C. concept now comprises a major component of the old S.I.C. industry group "Refrigerators, vacuum cleaners and appliances" as well as those establishments manufacturing washing machines and sewing machines previously included in the old S.I.C. industry "Household, office and store machinery" and establishments manufacturing stoves, electric and non-electric, previously included in the old S.I.C. industry "Heating and cooking apparatus". In order to provide a statistical comparison an attempt has been made to re-compile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis. Figures on this basis are shown in Table 1.

There were 44 establishments classified as Manufacturers of Major Appliances (Electric and Non-Electric) in 1960, there being 3 in New Brunswick, 11 in Quebec, 29 in Ontario and 1 in British Columbia. Employees in this industry numbered 11,227; salaries and wages totalled \$47,936,208; materials used in the manufacturing processes cost \$108,529,062; and factory shipments were valued at \$204,087,643.

The establishments in this industry make major appliances as their main products. On the other hand, some companies which have been classified to other industrial classes make major appliances as a secondary part of their business. Tables 1 to 4 and 11 to 15 of this report refer only to manufacturers of major appliances (electric and non-electric) which includes the firms reporting these lines as their main products. Small quantities of these commodities were also made by companies which have been classified to other industrial groups. Tables 5 to 10 represent total factory shipments of appliances from all industries.



**TABLE 1. Principal Statistics: Manufacturers of Major Appliances (Electric and Non-Electric),  
by Provinces, 1957 - 60**

Basis: Standard Industrial Classification Revised 1960

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
	number		dollars				
<b>1957</b>							
New Brunswick and British Columbia .....	4	727	2,015,552	146,494	2,669,020	<sup>1</sup>	6,432,540
Quebec .....	12	4,044	14,082,694	872,295	27,012,845	<sup>1</sup>	47,094,979
Ontario .....	25	8,934	34,746,864	1,807,242	74,799,675	<sup>1</sup>	143,048,590
<b>Canada .....</b>	<b>41</b>	<b>13,705</b>	<b>50,845,110</b>	<b>2,826,031</b>	<b>104,481,540</b>	<sup>1</sup>	<b>196,576,109</b>
<b>1958</b>							
New Brunswick and British Columbia .....	4	666	2,000,042	142,321	2,887,239	<sup>1</sup>	6,310,652
Quebec .....	13	3,756	12,925,194	855,177	29,967,688	<sup>1</sup>	50,874,938
Ontario .....	26	8,214	33,099,803	1,819,072	75,670,822	<sup>1</sup>	144,393,546
<b>Canada .....</b>	<b>43</b>	<b>12,636</b>	<b>48,025,039</b>	<b>2,816,570</b>	<b>108,525,749</b>	<sup>1</sup>	<b>201,579,136</b>
<b>1959</b>							
New Brunswick and British Columbia .....	4	654	2,001,438	136,725	3,459,347	<sup>1</sup>	7,013,111
Quebec .....	12	3,076	10,878,183	753,027	26,729,923	<sup>1</sup>	48,000,617
Ontario .....	26	8,770	37,739,388	1,832,818	87,077,895	<sup>1</sup>	159,536,269
<b>Canada .....</b>	<b>42</b>	<b>12,500</b>	<b>50,619,009</b>	<b>2,722,570</b>	<b>117,267,165</b>	<sup>1</sup>	<b>214,549,997</b>
<b>1960</b>							
New Brunswick and British Columbia .....	4	597	1,931,799	137,232	2,213,391	3,849,085	6,261,623
Quebec .....	11	2,726	10,942,015	724,340	25,134,984	17,631,387	44,945,240
Ontario .....	29	7,904	35,062,394	2,137,339	81,180,687	67,484,656	152,880,780
<b>Canada .....</b>	<b>44</b>	<b>11,227</b>	<b>47,936,208</b>	<b>2,998,911</b>	<b>108,529,062</b>	<b>88,965,128</b>	<b>204,087,643</b>

<sup>1</sup> The changeover to the new classification has delayed the recompilation of "value added" figures for these years and same will not be available until the next issue of this report.

**TABLE 2. Inventories:<sup>1</sup> Manufacturers of Major Appliances (Electric and Non-Electric), 1960**

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
<b>Opening:</b>				
New Brunswick and British Columbia .....	1,043,274	136,106	871,887	2,051,267
Quebec .....	3,484,576	4,112,903	6,939,470	14,536,949
Ontario .....	14,698,432	8,860,459	18,650,156	42,209,047
<b>Canada .....</b>	<b>19,226,282</b>	<b>13,109,468</b>	<b>26,461,513</b>	<b>58,797,263</b>
<b>Closing:</b>				
New Brunswick and British Columbia .....	850,829	152,823	783,155	1,796,907
Quebec .....	3,262,511	3,536,244	6,061,600	12,860,355
Ontario .....	13,235,667	6,222,226	19,210,291	38,668,184
<b>Canada .....</b>	<b>17,349,007</b>	<b>9,921,391</b>	<b>26,055,046</b>	<b>53,325,444</b>

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

TABLE 3. Factory Shipments: Manufacturers of Major Appliances (Electric and Non-Electric), 1960

Item	Quantity shipped	Value of factory shipments
		\$
Laundry equipment:		
Dryers, mechanical—Electric .....	No. 100,486	13,243,258
Gas .....	" 10,025	1,754,304
Washing machines, domestic:		
Electric—Automatic .....	" 75,135	14,690,570
Conventional .....	" 209,946	18,809,165
Gasoline .....	" 2,581	283,937
Refrigeration and air-conditioning equipment:		
Freezers, home and farm—Upright .....	" 6,298	1,171,916
Chest .....	" 61,325	10,777,141
Refrigerators, household, electric .....	" 239,436	40,211,631
Stoves and ranges:		
Built-in cooking ovens, domestic, electric .....	" 12,727	1,706,748
Coal, wood, sawdust burning—Cooking .....	" 10,565	1,251,089
Heating .....	" 7,649	302,781
Solid fuel and gas or oil and gas combination .....	" 2,606	628,885
Solid fuel and electric or oil and electric combination .....	" 4,393	1,226,656
Gas, cooking, with ovens, domestic .....	" 31,912	4,359,419
Gas, Heating and space heaters .....	" 10,319	605,000
Electric cooking top mountings .....	" 13,338	915,097
Electric cooking stoves or ranges:		
Less than 28 inches wide .....	" 76,135	8,303,993
28-32 inches wide .....	" 136,131	21,321,740
Over 32 inches wide .....	" 3,376	831,200
Fuel oil (distillate)—Cooking .....	" 8,344	1,406,623
Heating and space heaters .....	" 38,312	2,217,756
Furnaces, warm air:		
Coal or wood burning .....	" 3,551	538,303
Gas burning .....	" 12,512	1,999,405
Oil burning .....	" 23,467	4,934,645
Amount received for repairs .....	...	1,619,518
All other products <sup>1</sup> .....	—	48,832,458
Amount received in payment for work done on materials owned by others .....	—	144,405
<b>Total</b> .....	—	<b>204,087,643</b>

<sup>1</sup> Includes items such as dishwashers, sewing machines, etc. each of which was reported by only one or two companies.

**Note:** Data given in the above table are for the industry Manufacturers of Major Appliances, which includes only the firms making major appliances as chief products. These articles may have been made also as minor products of firms classified to other industries, so the figures in this table do not necessarily represent the total Canadian Production of the items which are listed. For the total figures for selected items, see Tables 5 to 10, inclusive.

TABLE 4. Materials Used: Manufacturers of Major Appliances (Electric and Non-Electric), 1960

Material	Quantity	Cost at plant
		\$
Aluminum—Castings .....	lb. 628,627	331,581
Sheets and strip .....	" 748,892	403,735
Other .....	" ...	139,394
Brass and bronze—Castings .....	lb. 78,111	45,568
Wire rods .....	" 334,267	116,883
Sheets and strip .....	" 180,316	119,211
Other .....	" ...	105,780
Copper—Wire rods .....	lb. 95,509	47,794
Sheets and strip .....	" 22,342	13,694
Tubing and pipe .....	" 1,060,572	565,539
Wire, enamelled .....	" 254,232	164,915
Wire, other insulated .....	" ...	472,233
Other .....	" ...	31,643
Insulating varnishes, japans, enamels and lacquers .....	" ...	56,896

**TABLE 4. Materials Used: Manufacturers of Major Appliances**  
(Electric and Non-Electric), 1960 — Concluded

Material	Quantity	Cost at plant
		\$
Iron and steel (except alloy):		
Castings— Iron (gray and malleable) .....	ton 4,417	1,216,883
Steel .....	" 13	2,094
Pig iron .....	" 4,907	283,836
Steel bars and rods .....	" 2,823	608,625
Steel sheets and strip— Plain .....	" 72,028	12,310,468
Galvanized .....	" 1,596	312,127
Steel wire .....	" 686	137,568
Structural steel .....	" 11	3,172
Scrap iron and steel .....	" 3,448	147,110
Other (except alloy) .....	... ..	1,489,360
Alloy steel— In all forms:		
Stainless .....	... ..	345,896
Silicon sheets and strips .....	ton 61	26,398
Other alloy including tool steel .....	... ..	142,624
Lead .....	lb. 13,489	9,123
Mica (unfabricated forms only) .....	" 64,034	64,735
Motors electric— Under 1 h.p. ....	No. 306,105	3,869,000
1 h.p. and over A.C. or D.C. ....	" 46	3,727
Paints, stains, lacquers for finishing only .....	... ..	1,550,667
Resins, synthetic:		
Vinyl type .....	... ..	50,930
Polyethylene type .....	... ..	1,217,872
Other (bakelite, etc.) .....	... ..	117,776
Resistance wire, ribbon and strip .....	lb. 39,765	90,573
Sulphuric acid, 100% .....	" 276,318	8,552
Tubes electronic .....	No. 106,128	124,263
All other materials .....	... ..	74,884,240
Containers and other packaging materials or supplies .....	... ..	3,514,611
Operating supplies, maintenance supplies and repair supplies .....	... ..	3,381,966
<b>Total</b> .....	—	<b>108,529,062</b>

**TABLE 5. Factory Shipments of Stoves Made in Canada, 1959-60 (from All Industries)**

	1959	1960
Coal, wood and sawdust burning cooking stoves and ranges, including ranges with gas or electric extension .....	No. 15,658	11,840
	\$ 1,516,815	1,322,832
Coal, wood and sawdust burning heating stoves and space heaters, including all heaters, circulators, Quebec, box, oak, Franklin globular and laundry .....	No. 32,399	9,605
	\$ 728,932	366,733
Solid fuel and gas combination or oil and gas combination (not including stoves or ranges with gas extension) .....	No. 7,445	2,678
	\$ 1,755,020	647,707
Solid fuel and electric combination or oil and electric combination (not including stoves or ranges with electric extension) .....	No. 7,050	4,393
	\$ 1,742,317	1,226,656
Gas cooking stoves and ranges (not combinations), (including all styles with ovens) .....	No. 36,527	32,068
	\$ 5,080,235	4,370,158
Gas heating stoves and space heaters .....	No. 20,539	15,447
	\$ 1,044,820	973,747
Gas cooking plates—no oven .....	No. 9,285	6,517
	\$ 80,041	47,267
Cooking ovens, electric, built-in .....	No. 11,972	12,905
	\$ 1,592,202	1,730,562
Electric cooking top mountings .....	No. ..	13,659
	\$ ..	935,103



TABLE 5. Factory Shipments of Stoves Made in Canada, 1959 - 60 (from All Industries) - Concluded

		1959	1960
Electric cooking stoves or ranges (over 35 amperes), all styles with ovens .....	No.	246,532	221,524
	\$	35,910,450	31,088,943
Electric rangettes, including cord attachment and oven as one unit .....	No.	20,312	14,349
	\$	834,535	500,744
Electric cooking plates and grills, including stoves for glass coffee-makers .....	No.	82,747	102,285
	\$	594,372	604,093
Oil (kerosene) and gasoline cooking stoves and ranges .....	No.	..	..
	\$	..	..
Oil (kerosene) and gasoline heating stoves and space heaters .....	No.	..	..
	\$	..	..
Fuel oil (distillate) cooking stoves and ranges .....	No.	8,788	10,314
	\$	1,314,864	1,513,590
Fuel oil (distillate) heating stoves and space heaters .....	No.	53,285	38,474
	\$	2,866,865	2,224,536

TABLE 6. Factory Shipments of Household Mechanical Refrigerators,<sup>1</sup> 1952 - 60 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1952 .....	244,433	46,046,709	1957 .....	235,539	42,429,856
1953 .....	275,415	50,943,211	1958 .....	226,523	39,759,101
1954 .....	229,964	44,037,931	1959 .....	256,778	44,548,660
1955 .....	271,532	49,548,437	1960 .....	239,436	40,211,631
1956 .....	269,213	47,443,340			

<sup>1</sup> Complete units (electric and gas), all sizes.

TABLE 7. Factory Shipments of Home Freezers, 1952 - 60 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1952 .....	5,223	1,539,118	1957 .....	20,908	4,619,438
1953 .....	7,456	2,133,304	1958 .....	31,685	6,713,992
1954 .....	8,159	2,172,818	1959 .....	60,665	12,103,680
1955 .....	13,081	3,296,441	1960 .....	73,606	13,531,665
1956 .....	12,691	3,176,066			

TABLE 8. Factory Shipments of Domestic Washing Machines, 1952 - 60 (from All Industries)

Year	Electric				Gasoline		Total	
	Automatic <sup>1</sup>		Conventional <sup>2</sup>		Number	Selling value at works	Number	Selling value at works
	Number	Selling value at works	Number	Selling value at works				
		\$		\$		\$		\$
1952 .....	26,523	4,985,666	216,235	21,293,150	10,184	1,255,334	253,538	27,547,065
1953 .....	26,427	5,149,210	211,278	21,747,767	10,118	1,164,607	247,824	28,061,606
1954 .....	27,629	5,448,977	192,198	18,780,608	6,411	712,684	226,238	24,942,269
1955 .....	36,782	7,136,332	237,600	22,765,765	5,420	622,432	279,802	30,524,529
1956 .....	49,765	9,292,117	250,879	23,552,620	5,278	636,245	305,922	33,480,982
1957 .....	52,569	10,313,242	220,632	20,283,254	3,546	414,987	276,747	31,011,483
1958 .....	60,326	11,983,936	234,200	21,800,798	3,686	422,006	298,212	34,206,740
1959 .....	76,718	14,668,986	246,191	21,440,807	3,974	454,854	326,883	36,564,647
1960 .....	75,337	14,768,374	211,848	18,873,775	2,581	283,937	289,766	33,926,086

<sup>1</sup> Includes automatic washer-dryers.<sup>2</sup> Includes apartment size which amounted to 2,751 units valued at \$145,261 in 1951; 3,107 units valued at \$169,858 in 1952; 1,896 units valued at \$107,768 in 1953; 638 units valued at \$37,028 in 1954; 802 units valued at \$49,750 in 1955; 473 units valued at \$45,124 in 1956; 86 units valued at \$9,600 in 1957; none in 1958 and 1959 and 1902 units valued at \$64,610 in 1960.

TABLE 9. Factory Shipments of Domestic Electric Ironing Machines, 1952 - 60 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1952 .....	12,316	906,010	1957 .....	2,740	310,000
1953 .....	11,112	886,979	1958 .....	1,754	230,000
1954 .....	6,020	530,035	1959 .....	1,115	177,342
1955 .....	3,900	367,000	1960 .....	1,720	260,433
1956 .....	4,647	380,000			

TABLE 10. Factory Shipments of Clothes Dryers, Automatic, 1952 - 60 (from All Industries)

Year	Electric		Gas		Total	
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works
		\$		\$		\$
1952 .....	..	..	..	..	7,931	1,291,145
1953 .....	..	..	..	..	16,851	2,592,704
1954 .....	..	..	..	..	20,775	3,017,964
1955 .....	..	..	..	..	38,027	5,191,454
1956 .....	..	..	..	..	55,389	7,743,393
1957 .....	..	..	..	..	65,950	9,191,492
1958 .....	81,868	10,693,460	3,237	519,942	85,105	11,213,402
1959 .....	105,813	13,589,450	4,490	776,498	110,313	14,365,948
1960 .....	100,486	13,243,258	10,025	1,754,304	110,511	14,997,562

**TABLE 11. Principal Statistics classified according to Type of Ownership:  
Manufacturers of Major Appliances (Electric and Non-Electric) 1957 and 1960**

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value of factory shipments
	number		dollars			
<b>1957</b>						
Incorporated companies .....	41	13,705	50,845,110	2,826,031	104,481,540	196,576,109
<b>Totals .....</b>	<b>41</b>	<b>13,705</b>	<b>50,845,110</b>	<b>2,826,031</b>	<b>104,481,540</b>	<b>196,576,109</b>
<b>1960</b>						
Incorporated companies .....	44	11,227	47,936,208	2,998,911	108,529,062	204,087,643
<b>Totals .....</b>	<b>44</b>	<b>11,227</b>	<b>47,936,208</b>	<b>2,998,911</b>	<b>108,529,062</b>	<b>204,087,643</b>

**TABLE 12. Principal Statistics grouped according to Selling Value of Factory Shipments:  
Manufacturers of Major Appliances (Electric and Non-Electric) 1957 and 1960**

Establishments reporting factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value of factory shipments
	number		dollars			
<b>1957</b>						
\$ 100,000 to \$ 199,999 .....	2	210	577,625	52,664	1,142,822	2,001,896
200,000 " 499,999 .....	6					
500,000 " 999,999 .....	2					
1,000,000 " 4,999,999 .....	20	4,538	15,269,561	762,840	30,317,424	57,422,697
5,000,000 and over .....	11					
<b>Totals .....</b>	<b>41</b>	<b>13,705</b>	<b>50,845,110</b>	<b>2,826,031</b>	<b>104,481,540</b>	<b>196,576,109</b>
<b>1960</b>						
\$ 25,000 to \$ 49,999 .....	1	28	123,716	6,623	74,737	232,234
50,000 " 99,999 .....	3					
100,000 " 199,999 .....	3					
200,000 " 499,999 .....	2	123	430,838	24,161	532,724	1,173,027
500,000 " 999,999 .....	4					
1,000,000 " 4,999,999 .....	18	3,564	13,288,127	758,143	27,305,643	50,283,392
5,000,000 and over .....	13					
<b>Totals .....</b>	<b>44</b>	<b>11,227</b>	<b>47,936,208</b>	<b>2,998,911</b>	<b>108,529,062</b>	<b>204,087,643</b>

**TABLE 13. Employees and their Earnings: Manufacturers of Major Appliances  
(Electric and Non-Electric) by Provinces, 1959 and 1960**

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1959								
New Brunswick and British Columbia	107	57	487	3	654	539,612	1,461,826	2,001,438
Quebec .....	481	154	2,207	234	3,076	2,978,617	7,899,566	10,878,183
Ontario .....	1,849	647	5,823	451	8,770	12,295,880	25,443,508	37,739,388
Canada .....	2,437	858	8,517	688	12,500	15,814,109	34,804,900	50,619,009
1960								
New Brunswick and British Columbia	102	52	439	4	597	569,080	1,362,719	1,931,799
Quebec .....	479	155	1,889	203	2,726	3,314,426	7,627,589	10,942,015
Ontario .....	1,801	616	5,181	306	7,904	12,473,441	22,588,953	35,062,394
Canada .....	2,382	823	7,509	513	11,227	16,356,947	31,579,261	47,936,208



**TABLE 14. Production Workers by Months: Manufacturers of Major Appliances  
(Electric and Non-Electric), 1960**

Month	Male	Female
January .....	8,270	561
February .....	8,290	558
March .....	8,163	557
April .....	7,862	543
May .....	7,686	542
June .....	7,561	529
July .....	7,603	522
August .....	7,122	490
September .....	7,236	479
October .....	6,979	473
November .....	6,768	437
December .....	6,562	452
Monthly averages .....	7,509	513

**TABLE 15. Fuel and Electricity Used: Manufacturers of Major Appliances  
(Electric and Non-Electric), 1960**

Kind	Quantity	Cost at plant
		\$
Bituminous coal:		
From Canadian mines .....	ton	17,412
Imported .....	"	10,428
Anthracite coal .....	"	8,689
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	288,300
Fuel oil (including kerosene or coal oil) .....	"	6,554,056
Wood .....	cord	50
Gas:		
Liquefied petroleum gases .....	Imp. gal.	57,596
Other manufactured gas .....	M. cu. ft.	152
Natural gas .....	"	348,988
Other fuel .....	...	161,977
Electricity purchased .....	Kwh.	130,824,353
Total cost of fuel and electricity .....	...	2,998,911

TABLE 16. Imports of Specified Appliances (Electric and Non-Electric) 1959 and 1960

	1959		1960	
	Quantity	Value	Quantity	Value
		\$		\$
Sewing machines domestic ..... No.	158,165	5,180,117	147,449	5,125,138
Sewing machine attachments, domestic .....	..	349,961	..	439,328
Sewing machine parts, domestic .....	..	1,165,909	..	1,089,599
Clothes Dryers, domestic, electric ..... No.	24,681	4,356,067	27,545	3,929,447
Washing machines, electric..... "	42,211	6,096,899	40,778	5,773,360
Washing machines, n.o.p. .... "	562	118,827	522	127,376
Washing machine parts .....	..	5,371,446	..	5,238,902
Ironers, Domestic, electric ..... No.	402	19,920	532	21,218
Air-conditioners, room size .....	16,522	1,820,208	40,965	4,587,404
Cooking stoves, coal or wood .....	783	35,855	450	23,009
Cooking stoves, electric, valued over 25 dollars .....	4,404	684,148	1,469	172,492
Cooking stoves, gas, valued over 10 dollars .....	22,274	1,933,400	15,041	1,311,469
Cooking stoves, oil, valued over 10 dollars .....	499	30,723	112	12,622

TABLE 17. Exports of Specified Appliances, (Electric and Non-Electric) 1959 and 1960

	1959		1960	
	Quantity	Value	Quantity	Value
		\$		\$
Washing machines, domestic, electric ..... No.	10,139	868,132	11,071	952,476
Washing machines, domestic, n.o.p. .... "	6	710	16	1,636
Washing machines, domestic, parts of .....	..	253,528	..	247,571
Cooking stoves, electric ..... No.	2,334	352,200	3,701	548,243
Cooking stoves, gas .....	98	12,828	92	13,545
Cooking stoves, gasoline, oil .....	39,704	258,145	31,216	213,966
Cooking stoves, coal and wood .....	48	5,329	27	3,750
Electric heating cooking devices .....	..	48,768	..	84,869
Stoves, n.o.p. heating apparatus .....	..	494,628	..	471,376
Parts of stoves and heating apparatus .....	..	603,581	..	803,211

## Directory of Firms: Manufacturers of Major Appliances (Electric and Non-Electric), 1960

Firm	Location
<b>New Brunswick:</b>	
Enamel and Heating Products Limited .....	100 Main St. Sackville
Enterprise Foundry Co. Ltd. ....	Lorne St. Sackville
Record Stove and Furnace Co. Limited .....	Moncton N.B.
<b>Quebec:</b>	
Arrow Sewing Machine Co. Ltd. ....	754 Wellington St. Montreal
Belanger A., Limitée .....	85 Rue St. Jean-Baptiste, Montmagny
Canadian General Electric Co. Ltd. ....	5781 Notre Dame St. E.
Connor J.H., and Son .....	20 Lois St. Hull
Defrostomatic Co. Ltd. ....	Granby
Gurney Products Limited .....	380 Ste Croix Blvd. St. Laurent
La Fonderie de L'islet Limitée .....	L'islet Station
Les Industries E. Roy Limitée .....	CNR Station Road, L'Assomption
Montreal Sewing Machine and Supply .....	4541 St. Lawrence Blvd. Montreal
New Williams Mfg. Co. Ltd., The .....	2740 Notre Dame St. E., Montreal
Singer Manufacturing Company .....	165 St. Paul St., St. John's
<b>Ontario:</b>	
Addison Industries Limited .....	40 Queen Elizabeth Blvd. Toronto
Beach Foundry Ltd. ....	75 Spencer St., Ottawa
Beatty Bros. Ltd. ....	Hill St., Fergus
Bellwood Appliance Co. Ltd. ....	St. David St., Fergus
Brantford Washing Machines Ltd. ....	35 Fieldway Rd. Toronto
Canadian Westinghouse Co. Ltd. ....	286 Sanford Ave., Hamilton
Coffield Washer Company Ltd., The .....	77-91 Niagara St. Hamilton
Coleman Lamp & Stove Co. Ltd., The .....	9 Davies Ave., Toronto
Easy Washing Machine Co. Ltd. ....	76 Miranda Ave., Toronto
Eaton Co. Ltd., the T. (Guelph Stove) .....	Guelph.
Fairgreve & Son Ltd. ....	44 Dovercourt Rd. Toronto
Findlays Ltd. ....	High St. Carleton Place
Franklin Mfg. Co. (Canada) Ltd. ....	501 Franklin Blvd. Galt
Frigidaire Products of Canada Ltd. ....	1901 Eglinton Ave., Scarborough
General Freezer Ltd. ....	Woodbridge
General Steel Wares Limited .....	London
Gilson Manufacturing Co. Ltd. ....	240 York Rd. Guelph
Hard Metal Fabricators Ltd. ....	731 Runnymede Rd., Toronto
Harriston Stove Co. Ltd., The .....	Harriston
Hobart Mfg. Company Ltd. ....	190 Railsite Rd. Don Mills
John Inglis Company Limited .....	14 Strachan Ave., Toronto
Kelvinator of Canada Ltd. ....	London
Maxwells Limited .....	James St., St. Marys
McCormack Smyth Ltd. ....	242 Mineola Rd. E., Port Credit
Moffats Limited .....	23 Denison Rd. E., Weston
Wood Co. Ltd., the W.C. ....	5 Arthur St. S. Guelph
Simplicity Products Ltd. ....	125 Guelph St., Hespeler
Simpson Industries Ltd., A.H. ....	2006 Yonge St., Toronto
Thor Industries Ltd. ....	75 Brown's Line, Toronto
<b>British Columbia:</b>	
Coast Foundry Co. Ltd. ....	3737 Napier St. Burnaby



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