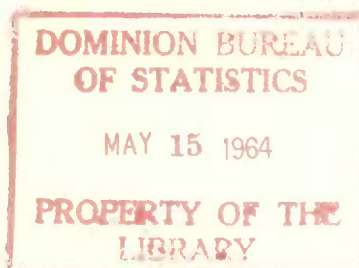


CATALOGUE No. ²³

41-225

ANNUAL



HEATING EQUIPMENT MANUFACTURERS

1961

The list of firms normally included in this report has been omitted from this issue, along with certain tables. See introductory text for details.

ANNUAL CENSUS OF MANUFACTURES

Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
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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 1961 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. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

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 1961, 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

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

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 but will be shown separately in subsequent years.

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, handling, warehousing and delivery staff. 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 the calendar year 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 with salaries, but will be shown separately in subsequent years. 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 establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components 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 generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment 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 which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested

on f.o.b. establishment 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 value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which was 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. 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.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some 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 inter-

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE

1891

The following is a list of the lands which have been surveyed and reported on by the General Land Office during the year 1891. The lands are classified according to the nature of the survey, and the results of the same are given in detail. The lands are divided into two classes, viz: (1) Lands which have been surveyed and reported on by the General Land Office, and (2) Lands which have been surveyed and reported on by the State or other authorities.

The lands which have been surveyed and reported on by the General Land Office during the year 1891 are as follows: (1) Lands which have been surveyed and reported on by the General Land Office, and (2) Lands which have been surveyed and reported on by the State or other authorities.

HEATING EQUIPMENT MANUFACTURERS

1961

Data for 1961 presented in this report reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of 1961 industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Heating Equipment Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing commercial cooking equipment and major heating apparatus such as furnaces, oil burners, gas burners, steam and hot water heating apparatus and heating equipment, not elsewhere classified. Establishments primarily engaged in manufacturing cast iron sectional heating boilers and convection or cast iron radiators are included in this industry. Establishments primarily engaged in manufacturing domestic cooking equipment, electric and non-electric, are classified in Industry number 332—Manufacturers of Major Appliances and details will be found in Catalogue No. 43-204. Domestic water tank heaters have been re-classified to industry number 331—Manufacturers of Small Electrical Appliances and details will be found in Catalogue No. 43-203.

The introduction of the new definition of establishment (reporting unit) in the 1961 Census of Manufactures has resulted in certain changes and necessitated adjustments to the statistics. For the most part the changes involved combinations of reporting units and transfer of some firms to Wholesale Trade.

As a result of increased workloads and staff shortages it has been necessary to suspend publication of certain tables normally contained in this report. It is planned to resume publication of these tables in the 1962 reports. In general the tables affected are the following: Directory of firms—Imports—Exports—Capital and Repair Expenditures.

TABLE 1. Principal Statistics: Heating Equipment Manufacturers, by Province, 1957 - 61

Basis: Revised Standard Industrial Classification and New Establishment Concept.

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Value of factory shipments
	number				dollars		
1957							
Nova Scotia and Quebec	19	1,407	5,092,679	230,594	6,941,736		16,969,537
Ontario	53	2,493	9,307,714	358,424	17,428,770		35,218,473
Manitoba	4	194	647,788	29,731	2,073,048	¹	3,305,346
Alberta	9	146	458,986	20,849	702,728		1,407,198
British Columbia	10	282	1,059,389	37,563	1,835,418		3,125,669
Canada	95	4,522	16,566,556	677,161	28,981,700		60,026,223
1958							
Nova Scotia and Quebec	21	1,462	5,696,940	235,750	7,823,148	10,803,596	19,208,125
Ontario	60	2,688	10,638,951	403,263	19,266,148	23,821,679	42,406,487
Manitoba	4	239	779,960	39,873	2,055,753	1,343,398	3,377,045
Alberta	11	117	391,913	18,031	604,795	380,689	1,106,762
British Columbia	10	270	1,031,028	40,524	1,939,657	1,639,116	3,458,397
Canada	106	4,776	18,538,792	737,441	31,689,501	37,988,478	69,556,816
1959							
Nova Scotia and Quebec	20	1,711	6,943,664	269,102	11,705,539	14,016,495	26,297,514
Ontario	59	3,221	13,128,103	468,093	21,126,014	28,055,683	48,773,878
Manitoba	5	247	853,104	34,783	1,978,962	1,733,073	3,732,990
Alberta	7	72	238,214	10,857	381,980	381,720	791,697
British Columbia	11	272	1,031,701	51,773	1,995,474	1,684,711	3,789,363
Canada	102	5,523	22,194,786	834,608	37,187,969	45,871,682	83,385,442
1960							
Nova Scotia and Quebec	26	1,478	5,818,084	222,921	9,358,849	10,438,002	20,389,060
Ontario	64	3,011	12,962,794	501,808	21,191,748	25,445,055	47,563,651
Manitoba	9	263	1,042,654	38,134	2,528,856	1,852,467	4,531,306
Alberta	6	63	218,030	17,122	488,384	455,015	961,127
British Columbia	8	149	611,263	40,237	1,221,044	1,028,752	2,348,749
Canada	113	4,964	20,652,825	820,222	34,788,881	39,219,291	75,793,893
1961							
Nova Scotia and Quebec	27	1,589	6,338,592	206,835	9,159,395	12,509,891	21,909,932
Ontario	65	2,869	12,790,856	508,118	22,150,820	25,520,862	48,602,776
Manitoba	7	246	984,432	41,184	2,322,346	2,385,402	4,478,045
Alberta	5	80	292,696	15,175	487,000	564,272	1,018,948
British Columbia	8	149	605,352	38,252	1,154,973	1,253,692	2,452,871
Canada	112	4,933	21,011,928	809,564	35,274,534	42,234,119	78,462,572

¹ Because of lack of inventory data "Value added" is not available for 1957.**TABLE 2. Inventories:¹ Heating Equipment Manufacturers, 1961**

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
			dollars	
Opening:				
Quebec and Nova Scotia	2,030,225	401,625	1,663,587	4,095,437
Ontario	4,369,941	2,676,157	4,810,446	11,856,544
Manitoba	398,619	130,015	504,309	1,032,943
Alberta	144,546	15,364	98,848	258,758
British Columbia	231,421	46,445	135,641	413,507
Canada	7,174,752	3,269,606	7,212,831	17,657,189

See footnotes at end of table.

TABLE 2. Inventories:¹ Heating Equipment Manufacturers, 1961 -- Concluded

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
Closing:	dollars			
Quebec and Nova Scotia	2,528,299	748,216	1,283,185	4,559,700
Ontario	4,710,683	2,654,784	4,408,843	11,774,310
Manitoba	495,980	181,827	723,384	1,401,191
Alberta	150,699	25,482	136,229	312,410
British Columbia	229,842	55,970	120,162	405,974
Canada	8,115,503	3,666,279	6,671,803	18,453,585

¹ (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate in 1961, changes in classification and the implementation of the New Establishment Concept.

TABLE 3. Factory Shipments: Heating Equipment Manufacturers, 1961

Product	Quantity	Value of factory shipments
Heating equipment:		\$
Cast iron sectional heating boilers No.	5,360	1,781,430
Steel heating boilers "	2,285	851,457
Furnaces, warm air:		
Designed for coal or wood burning "	1,299	466,851
Designed exclusively for gas burning "	57,287	7,605,447
Designed exclusively for oil burning "	58,216	11,417,917
Floor and wall furnace — Gas "	1,487	219,853
Oil		1
Furnace parts .....	...	195,787
Burners for furnaces and boilers:		
Gas — Residential "	8,711	566,400
Commercial and industrial "	1,525	378,122
Oil (power type) — Residential "	39,365	2,757,909
Commercial and industrial "	3,512	820,266
Oil burners, range type "	6,328	236,288
Oil burner parts .....	...	250,716
Radiators for heating Sq. ft. E.D.R.	12,963,909	10,321,289
Stokers, mechanical — Domestic or residential No.	480	228,793
Commercial and industrial "	190	322,044
Stoker Parts .....	...	155,511
Commercial cooking and food warming equipment — Electric .....	..	831,579
Gas .....	..	693,171
Unit heaters No.	21,245	3,612,673
Stoves and ranges (all types, all fuels) "	615	31,091
Stove parts .....	...	57,808
Industrial furnaces, kilns and ovens No.	126	1,314,566
Water tank heaters — Domestic "	29,554	973,323
Parts and attachments for industrial furnaces and ovens .....	...	259,044
Steam traps for heating systems .....	..	1,701,572
Incinerators .....	..	279,545
Registers and grills for hot air heating systems .....	..	2,491,213
Humidifiers (for warm air systems) .....	..	532,083
Other heating equipment .....	..	9,610,565
Miscellaneous products (air conditioning and refrigeration equipment, agricultural implements and parts, hardware, machinery, etc.) .....	...	16,820,815
Amount received for repairs .....	...	438,989
Amount received in payment for work on materials owned by others ....	...	866,860
Less adjustment for value of sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above		209,010
Total value of shipments and work done		78,462,572

¹ Less than 3 firms reporting — included in other heating equipment.

² Less than 3 firms reporting — included in all other products.

Note: Data given in the above table are for Heating Equipment Manufacturers, which includes only the firms making major heating equipment such as, oil burners, stokers, furnaces, etc., 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, see Table 5 to 12 inclusive.

TABLE 4. Materials used: Heating Equipment Manufacturers, 1961

Material	Quantity	Cost at plant
		\$
Iron:		
Pig iron, all grades	ton 4,524	294,550
Castings:		
Iron	" 2,598	893,086
Steel	" 89	46,597
Steel, hot or cold-rolled:		
Bars	" 1,647	253,786
Plates	" 941	170,779
Sheets:		
Plain	" 25,536	4,267,044
Galvanized	" 4,907	924,243
Tin plate	" 417	86,588
Strip	" 2,591	393,992
Structural shapes (channels, angles, etc.)	" 456	87,053
Wire	" 248	55,988
Pipe and fittings, iron and steel .....	... ..	353,060
Alloy steel:		
Stainless:		
Billets, bars and rods .....	..	261,111
Other .....	..	263,019
Other alloy steel .....	..	3,703
Ferro-alloys .....	..	91,173
Scrap iron and steel	ton 27,936	1,012,632
Other iron and steel (except finished parts) .....	...	641,264
Non-ferrous metals (including scrap):		
Aluminum:		
Castings	pound 431,421	233,925
Sheet	" 1,416,826	665,453
Other forms	" 809,752	372,855
Brass and bronze	" 972,834	480,938
Copper:		
Sheet	" 128,735	64,277
Wire	" 9,140	4,721
Other forms	" 1,293,226	806,758
Lead	" 3,111	933
Babbitt metals and solders	" 9,206	5,938
Other non-ferrous metals .....	...	10,289
Other materials and supplies:		
Paints and varnishes .....	...	434,724
Foundry coke (used in cupola, not for heat or power)	ton 8,169	288,025
Foundry sands	" 16,282	118,488
Firebrick and cupola blocks .....	...	98,854
Plumbago and graphite	pound 12	73
Lumber	M ft. b.m. 1,722	156,761
Fireclay	ton 1,608	34,456
Core oil	Imp. gal. 17,245	21,442
Shipping containers .....	...	536,801
All other materials and supplies ¹ .....	...	20,839,155
Totals .....	...	35,274,534

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$1,276,400 and this amount is included in "All other materials".

TABLE 5. Factory Shipments of Power-type Oil Burners,¹ 1952-61 (from All Industries)

Year	Number	Value of factory shipments	Year	Number	Value of factory shipments
		\$			\$
1952	85,215	9,337,512	1957	93,794	7,656,070
1953	100,288	10,609,632	1958	99,745	7,726,479
1954	114,380	11,244,958	1959	105,097	7,729,825
1955	125,639	11,282,838	1960	95,401	6,696,649
1956	122,675	10,626,148	1961	96,462	6,467,938

¹ Not including industrial oil burners.

TABLE 6. Factory Shipments of Furnace Blowers, 1952-61 (from All Industries)

Year	Number	Value of factory shipments	Year	Number	Value of factory shipments
		\$			\$
1952	28,594	761,365	1957	152,723	2,028,695
1953	32,878	814,416	1958	180,026	2,305,822
1954	60,127	1,192,187	1959	212,813	2,555,755
1955	104,705	1,760,782	1960	151,834	1,922,513
1956	120,846	1,907,104	1961	192,755	2,364,000

TABLE 7. Factory Shipments of Mechanical Stokers, 1952-61 (from All Industries)

Year	Domestic or residential		Commercial or industrial		Total		Value of factory shipments of stoker parts
	Number	Value of factory shipments	Number	Value of factory shipments	Number	Value of factory shipments	
		\$		\$		\$	\$
1952	903	259,787	747	1,162,690	1,650	1,422,477	357,514
1953	706	147,090	640	1,197,580	1,346	1,344,670	785,848
1954	809	200,528	536	885,030	1,345	1,085,558	364,443
1955	791	209,724	445	717,092	1,236	926,816	916,049
1956	660	156,553	670	1,217,762	1,330	1,374,315	708,651
1957	754	226,317	485	877,746	1,239	1,104,063	992,638
1958	691	191,119	408	885,561	1,099	1,076,680	861,179
1959	1,190	263,575	430	870,893	1,620	1,134,468	530,722
1960	626	248,435	330	786,700	956	1,035,135	465,800
1961	509	238,311	252	600,012	761	838,323	266,620

TABLE 8. Factory Shipments of Unit Heaters, 1952-61 (from All Industries)

Year	Number	Value of factory shipments	Year	Number	Value of factory shipments
		\$			\$
1952	27,055	4,266,268	1957	25,717	6,561,433
1953	26,428	4,464,582	1958	17,478	4,120,942
1954	22,590	4,244,901	1959	21,686	4,522,839
1955	23,624	4,427,004	1960	25,843	5,829,268
1956	31,387	5,451,826	1961	22,397	4,341,242

TABLE 9. Factory Shipments of Air Registers and Grills, 1952-61 (from All Industries)

Year	Value of factory shipments	Year	Value of factory shipments
	\$		\$
1952	1,059,827	1957	2,837,621
1953	1,514,078	1958	2,807,205
1954	1,818,198	1959	2,971,920
1955	1,842,814	1960	2,930,617
1956	2,461,151	1961	2,698,800

TABLE 10. Factory Shipments of Heating Radiators, 1961 (from All Industries)

Kind	Sq. Ft. E.D.R. ¹	Value of factory shipments
Standing type, cast iron and pressed steel (excluding tube and fin types)	1,874,457	1,358,163
Baseboard type, cast iron, pressed steel and other fabricated metal	9,425,548	6,019,673
Concealed type, cast iron, pressed steel and other fabricated metal ...	4,071,680	4,370,565
Totals	15,371,685	11,748,401

¹ Equivalent Direct Radiation.

TABLE 11. Factory Shipments of Warm Air Furnaces, 1952 - 61 (from All Industries)

Year	Designed for coal or wood burning		Designed exclusively for oil burning		Designed exclusively for gas burning		Total all types	
	Number	Value of factory shipments	Number	Value of factory shipments	Number	Value of factory shipments	Number	Value of factory shipments
		\$		\$		\$		\$
1952	45,464	6,385,175	32,512	6,264,363	5,689	1,032,786	83,665	13,682,324
1953	32,693	4,755,987	50,654	10,390,575	10,322	1,802,367	93,669	16,948,929
1954	20,817	2,923,673	62,473	12,943,217	10,096	1,761,498	93,386	17,628,388
1955	17,698	2,319,752	90,482	18,725,915	16,156	3,099,046	124,336	24,144,713
1956	15,018	2,072,292	97,644	18,564,003	29,662	5,214,505	142,324	25,850,800
1957	12,034	1,961,274	86,177	18,006,905	45,627	7,669,947	143,838	27,638,126
1958	7,289	1,074,402	88,978	18,019,598	75,619	12,384,775	171,886	31,478,795
1959	6,238	968,077	95,814	19,151,512	80,986	12,207,760	183,038	32,327,349
1960	5,693	1,205,780	91,724	18,413,550	70,423	10,193,443	167,840	29,812,773
1961	3,167	792,190	101,847	20,063,518	82,563	11,396,157	187,577	32,251,855

TABLE 12. Factory Shipments of Heating and Power Boilers, 1961, (from All Industries)

Type	Number of boilers	Value of factory shipments
		\$
Heating boilers:		
Cast iron sectional heating boilers:		
(a) Under 775 sq. ft.	4,679	1,082,572
(b) 776-1,499 sq. ft.	1,700	811,411
(c) 1,500 sq. ft. and over	1,128	1,321,386
Steel heating boilers:		
(a) Under 112 sq. ft.	5,767	1,737,844
(b) 112-522 sq. ft.	991	2,536,668
(c) 523-1,245 sq. ft.	636	1,471,712
(d) 1,246 sq. ft. and over	39	295,239
Power boilers:		
Marine type	102	1,221,302
Water tube package boiler units	144	1,575,164
Fire tube package boiler units	1,117	4,012,621
Fire tube boilers	70	526,762
Boilers, other, type not specified	184	18,128,937
Totals	16,557	34,721,619

**TABLE 13. Principal Statistics classified according to Type of Ownership:
Heating Equipment Manufacturers, 1961**

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value of factory shipments
	number		dollars		
Individual ownership	6	15	43,622	63,100	159,467
Partnerships	7	45	143,068	363,561	666,375
Incorporated companies	99	4,873	20,825,238	34,847,873	77,636,230
Totals.....	112	4,933	21,011,928	35,274,534	78,462,572

**TABLE 14. Principal Statistics grouped according to Size of Establishments:
Heating Equipment Manufacturers, 1961**

Establishments reporting a value of factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value of factory shipments
	number		dollars		
Under \$10,000	4	5	8,086	9,846	22,496
\$ 10,000 to \$ 24,999	8	24	71,948	54,016	121,226
25,000 " 49,999	10	60	191,137	120,031	356,278
50,000 " 99,999	14	125	425,621	392,862	1,006,665
100,000 " 199,999	19	251	849,218	966,425	2,580,658
200,000 " 499,999	22	533	1,994,818	3,123,721	7,500,234
500,000 " 999,999	13	583	2,520,965	5,787,745	10,477,140
1,000,000 " 4,999,999	22	3,352	14,950,135	24,819,888	56,397,875
5,000,000 and over					
Totals.....	112	4,933	21,011,928	35,274,534	78,462,572

TABLE 15. Employees and Earnings: Heating Equipment Manufacturers, by Provinces, 1961

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Nova Scotia and Quebec	259	89	1, 220	21	1, 589	1, 820, 619	4, 517, 973	6, 338, 592
Ontario	713	268	1,852	36	2,869	5, 201, 340	7, 589, 516	12, 790, 856
Manitoba	52	15	177	2	246	340, 418	644, 014	984, 432
Alberta	20	1	59	—	80	115, 113	177, 583	292, 696
British Columbia.....	22	3	115	9	149	128, 474	476, 878	605, 352
Canada	1, 066	376	3, 423	68	4, 933	7, 605, 964	13, 405, 964	21, 011, 928

TABLE 16. Production Workers, by Months: Heating Equipment Manufacturers, 1961

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	2,861	51
February	2,897	46
March	2,867	46
April	2,721	50
May	2,771	50
June	3,051	48
July	3,174	61
August	3,439	66
September	3,637	68
October	3,598	71
November	3,400	69
December	3,150	58
Average for establishments reporting monthly detail	3,134	58
Average estimated for small establishments ²	289	10
Average for all establishments	3,423	68

¹ The number of production workers, by months, was collected only for large establishments.

² The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 17. Fuel and Electricity Used: Heating Equipment Manufacturers, 1961

Kind	Quantity	Cost at plant \$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines	ton	1,424
(b) Imported	"	3,185
Anthracite coal	"	280
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	179,201
Fuel oil including kerosene or coal oil	"	1,086,552
Gas (a) Liquefied petroleum gases	Imp. gal.	181,638
(b) Natural gas	M cu. ft.	112,665
Other fuel .....	...	521
Electricity purchased	kwh.	24,214,411
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity	—	62,850
3. All establishments:		
Total cost of fuel and electricity	25,779,448	809,564

¹ Large establishments.

² Small establishments.

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