

CATALOGUE No.
41-209
ANNUAL



THE HEATING AND COOKING APPARATUS INDUSTRY, 1957



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

6523-516-127

Price 50 cents

Vol. 2—Part X11—F.1

The Queen's Printer and Controller of Stationery, Ottawa, 1959

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
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada
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The present report belongs in Part XII, Iron and Steel Products. 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
- B — The Agricultural Implements Industry
- C — The Boilers and Plate Work Industry
- D — The Bridge Building and Structural Steel Industry
- E — The Hardware, Tools and Cutlery Industry
- F — The Heating and Cooking Apparatus Industry
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- I — The Iron Castings Industry
- J — The Primary Iron and Steel Industry
- K — The Sheet Metal Products Industry
- L — The Wire and Wire Goods Industry
- M — The Miscellaneous Iron and Steel Products Industry

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

THE HEATING AND COOKING APPARATUS INDUSTRY, 1957

The Heating and Cooking Apparatus Industry is a division of the iron and steel group and the statistics for the industry, as presented in this report, cover only the factories which made stoves, furnaces, oil burners, etc., as their chief products. Establishments in this category made, as minor products, some iron castings, machinery and other items which do not normally belong to this industry and, on the other hand, some heating equipment was made as secondary products of concerns which were classified to other industries. Tables 1 to 4 and 15 to 19, and table 21 of this bulletin are for the Heating and Cooking Apparatus Industry only, while tables 5 to 14 give totals for Canada for certain

items regardless of the industries in which they were produced.

One hundred and eighteen establishments were included in the Heating and Cooking Apparatus Industry in 1957, there being 61 in Ontario, 21 in Quebec, 14 in British Columbia, 12 in Alberta, 4 in Manitoba, 3 in New Brunswick, 2 in Nova Scotia and 1 in Newfoundland. These firms made goods valued at \$119,332,421, employed a total of 8,879 workers, paid \$32,162,461 in salaries and wages and spent \$1,632,625 on fuel and electricity and \$59,962,597 for the materials used in manufacturing processes.

TABLE 1. Principal Statistics of the Heating and Cooking Apparatus Industry,¹ Significant Years 1935 - 1957, and by Provinces, 1956 and 1957

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture ²	Value of factory shipments
number							
1935	60	3,870	3,876,528	297,437	3,354,963	6,408,580	10,060,980
1937	68	5,239	5,860,623	353,941	6,040,819	9,581,258	15,976,018
1939	72	5,029	5,753,888	349,729	5,659,694	9,342,240	15,351,663
1942	77	6,150	8,970,326	493,002	11,015,944	16,596,309	28,105,255
1946	95	7,825	13,027,604	611,497	13,098,796	22,259,456	35,979,749
1949	103	8,745	19,810,926	865,156	23,519,492	38,035,621	62,420,269
1953	118	9,218	28,115,693	1,315,306	43,613,972	52,427,259	97,356,537
1954	120	8,905	28,444,481	1,390,413	48,143,503	52,907,300	102,113,389
1955	123	9,148	29,798,730	1,354,738	56,762,067	55,428,354	112,987,132
1956							
Newfoundland	1	107	275,218	31,976	535,025	499,746	1,007,710
Nova Scotia	2						
New Brunswick	3	700	2,032,192	141,994	2,750,618	3,750,193	6,558,879
Quebec	22	1,946	6,500,966	250,118	11,290,096	11,637,401	22,944,862
Ontario	60	5,976	22,271,554	1,043,214	47,007,139	39,807,767	84,917,640
Manitoba	4	187	579,608	35,413	1,393,636	1,889,806	3,042,173
Alberta	11	155	486,142	20,210	560,996	817,769	1,326,454
British Columbia	14	367	1,225,447	50,057	2,125,684	1,715,625	3,828,322
Canada	117	9,438	33,371,127	1,572,982	65,663,194	60,118,307	123,626,040
1957							
Newfoundland	1	93	216,201	20,474	446,981	466,333	874,097
Nova Scotia	2						
New Brunswick	3	694	1,893,636	136,463	2,630,604	3,652,101	6,193,578
Quebec	21	1,872	6,228,358	281,091	10,497,877	12,017,196	22,290,622
Ontario	61	5,523	21,387,289	1,090,697	41,608,315	37,798,913	81,544,201
Manitoba	4	194	647,788	29,731	2,073,048	1,186,850	3,320,420
Alberta	12	168	531,628	24,241	754,936	745,491	1,551,356
British Columbia	14	335	1,257,561	49,928	1,950,836	1,695,618	3,558,147
Canada	118	8,879	32,162,461	1,632,625	59,962,597	57,562,502	119,332,421

¹ First set up as an industry in 1935. Data for earlier years were included with the Iron Castings Industry.

² Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

Note: Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Inventories,¹ 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
New Brunswick	1,091,709	179,038	491,408	1,762,155
Quebec	2,633,974	721,311	1,774,173	5,129,458
Ontario	8,209,284	3,709,501	8,234,083	20,152,868
Manitoba	359,936	99,798	394,408	854,142
Alberta	164,359	40,662	167,804	372,825
British Columbia	794,879	42,200	112,272	949,351
Other provinces	187,468	41,110	69,150	297,728
Canada	13,441,609	4,833,620	11,243,298	29,518,527
Closing:				
New Brunswick	992,682	165,740	730,296	1,888,718
Quebec	2,066,519	713,397	2,287,629	5,067,545
Ontario	7,400,097	3,275,148	7,622,160	18,297,406
Manitoba	351,892	110,071	353,344	815,307
Alberta	183,605	24,862	156,916	365,383
British Columbia	613,084	64,811	227,896	905,791
Other provinces	187,281	22,856	147,095	357,231
Canada	11,795,160	4,376,885	11,525,336	27,697,381

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

Note: (a) 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. These data were formerly collected by a separate survey. The summarized results for the Heating and Cooking Apparatus Industry for the year under review are shown in the above table.

(b) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the industry such as: the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 3. Production (Factory Shipments) by the Heating and Cooking Apparatus Industry,
1956 and 1957

Product	1956		1957	
	Factory shipments		Factory shipments	
	Number shipped	Selling value at works	Number shipped	Selling value at works
		\$		\$
Cooking, heating and air-conditioning apparatus:				
Air-conditioning equipment	—	2,064,392	—	2,376,038
Furnaces, warm air:				
Gravity or forced air circulation designed for coal or wood burning	13,275	1,800,711	10,844	1,761,339
Gravity or forced air circulation designed exclusively for oil burning	79,093	15,120,116	72,355	15,431,006
Gravity or forced air circulation designed exclusively for gas burning	26,139	4,393,146	38,938	6,679,742
Furnace parts	—	1,182,664	—	1,180,790
Coal, wood and sawdust burning cooking stoves and ranges, including ranges with gas or electric extension	24,897	2,506,411	18,194	1,936,364
Coal, wood and sawdust burning heating stoves and space heaters, including all heaters, circulators, Quebec, box, Franklin, glo- bular and laundry	17,737	600,292	16,031	516,396

**TABLE 3. Production (Factory Shipments) by the Heating and Cooking Apparatus Industry,
1956 and 1957 — Concluded**

Product	1956		1957	
	Factory shipments		Factory shipments	
	Number shipped	Selling value at works	Number shipped	Selling value at works
Solid fuel and gas combination or oil and gas combination (not including stoves or ranges with gas extension).....	9,859	\$ 1,912,569	7,746	1,655,862
Solid fuel and electric combination or oil and electric combination (not including stoves or ranges with electric extension)	9,639	2,122,177	8,604	2,066,892
Gas cooking stoves and ranges (not combinations), including all styles with ovens	34,854	4,081,466	33,962	4,434,369
Gas heating stoves and space heaters	4,247	263,444	10,499	386,157
Gas cooking plates—no oven	3,856	41,522	15,103	101,094
Electric cooking stoves or ranges over 35 amperes, domestic type, all styles with ovens, including shelves, closets, etc., as one unit.....	113,575	17,636,254	98,754	16,367,412
Electric rangettes, including cord attachment and oven as one unit	6,034	285,198	4,298	218,123
Electric cooking plates or grills	6,968	49,301	18,954	73,333
Oil (kerosene) and gasoline cooking stoves and ranges.....	—	1	—	1
Oil (kerosene) and gasoline heating stoves and space heaters.....	—	1	—	1
Fuel oil (distillate) cooking stoves and ranges.....	12,477	1,790,140	9,972	1,358,152
Fuel oil (distillate) heating stoves and space heaters).....	71,973	3,469,232	68,434	3,466,175
Stove parts.....	—	1,263,049	—	1,533,942
Water-tank heaters, domestic:				
Cast iron for coal, wood or oil	363	24,604	510	47,497
Gas	40,133	2,736,588	39,046	2,330,639
Electric	19,825	665,320	30,016	663,488
Unit heaters, all types.....	22,263	3,002,432	17,883	2,890,598
Registers and grills for hot air heating systems	—	1,877,822	—	2,273,501
Blowers for domestic furnaces	75,344	1,115,447	62,502	935,107
Stokers, mechanical:				
Domestic and residential	610	145,116	694	211,559
Commercial and industrial	356	310,643	292	285,945
Stoker parts	—	426,575	—	445,997
Heating boilers:				
Cast iron sectional heating boilers	1,259	227,274	452	90,821
Steel heating boilers	4,514	3,073,836	3,902	3,013,518
Oil burners—Range type	10,481	463,025	7,624	307,660
Power type—Residential	66,274	5,894,955	51,400	4,158,422
Commercial and industrial	863	461,207	378	249,492
Other heating equipment	—	15,050,868	—	18,730,797
All other products (commercial castings, machinery, ventilating systems, etc.)	—	26,855,950	—	20,640,943
Amount received for repair work and custom work	—	712,294	—	382,152
Total.....	—	123,626,040	—	119,332,421

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

Note: Data given in the above table are for the Heating and Cooking Apparatus Industry, which includes only the firms making stoves, 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 Tables 5 to 14, inclusive.

TABLE 4. Materials Used in the Heating and Cooking Apparatus Industry, 1956 and 1957

Material	1956		1957		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Iron:					
Pig iron, all grades	ton	7,540	505,395	6,154	412,838
Castings: iron steel	"	11,734 997	3,265,781 335,528	10,665 421	3,294,075 113,545
Steel, hot or cold-rolled:					
Bars	"	888	191,008	1,202	262,941
Plates	"	3,378	513,487	2,296	380,707
Sheets:					
Plain	"	72,495	10,954,417	60,800	9,282,920
Galvanized	"	5,101	1,011,110	4,150	891,963
Tin plate	"	416	81,318	356	105,793
Strip	"	1,924	345,995	1,745	314,158
Structural shapes (channels, angles, etc.)	"	1,071	179,460	829	152,387
Wire	"	325	56,353	221	41,204
Pipe and fittings, iron and steel	"	—	520,078	—	569,082
Alloy steel:					
Stainless:					
Billets, bars and rods	"	—	123,251	—	62,663
Other	"	—	197,399	—	316,087
Other alloy steel	"	—	42,529	—	13,851
Ferro-alloys	"	—	40,858	—	1,367
Scrap iron and steel	ton	9,570	350,302	6,460	272,712
Other iron and steel (except finished parts)	"	—	1,052,955	—	908,731
Non-ferrous metals (including scrap):					
Aluminum:					
Castings	pound	266,377	188,680	367,549	283,155
Sheet	"	1,671,376	798,445	1,789,458	812,688
Other forms	"	530,373	255,461	1,063,242	519,717
Brass and bronze	"	1,897,761	1,147,567	2,152,323	1,225,124
Copper:					
Sheet	"	140,159	108,687	266,002	168,961
Wire	"	138,565	66,726	145,199	79,431
Other forms	"	1,360,743	896,780	1,072,338	639,754
Lead	"	25,789	6,418	3,887	1,355
Nickel	"	4,263	4,413	3,502	4,550
Zinc	"	775,548	112,868	549,115	60,427
Babbitt metals and solders	"	50,764	33,192	67,859	40,752
Other non-ferrous metals	"	—	231,018	—	77,899
Other materials and supplies:					
Frit	ton	2,635	803,199	1,615	491,742
Paints and varnishes	"	—	649,775	—	559,090
Foundry coke (used in cupola, not for heat or power)	ton	4,055	124,220	3,201	103,365
Foundry sands	"	6,906	75,495	4,848	55,154
Firebrick and cupola blocks	"	—	105,297	—	88,182
Plumbago and graphite	pound	7,229	784	7,738	685
Lumber	M ft. b.m.	3,886	371,514	3,355	294,467
Fireclay	ton	893	26,422	559	20,489
Core oil	Imp. gal.	11,206	13,643	4,306	6,102
Muriatic acid	pound	65,552	3,495	55,167	2,949
Sulphuric acid, 100%	"	310,703	9,235	129,524	7,450
Shipping containers	"	—	1,622,620	—	1,719,144
All other materials and supplies	"	—	38,240,016	—	35,302,910
Total	"	—	65,663,194	—	59,962,597

TABLE 5. Factory Shipments of Stoves Made in Canada, 1955-1957 (Data Assembled from all Industries)

		1955	1956	1957
Coal, wood and sawdust burning cooking stoves and ranges, including ranges with gas or electric extension	No.	28,490	26,960	18,562
	\$	2,817,362	2,519,517	1,783,729
Coal, wood and sawdust burning heating stoves and space heaters, including all heaters, circulators, Quebec, box, oak, Franklin, globular and laundry	No.	48,852	45,427	40,483
	\$	760,857	730,228	740,979
Solid fuel and gas combination or oil and gas combination (not including stoves or ranges with gas extension).....	No.	10,952	9,859	7,746
	\$	2,036,186	1,912,569	1,655,862
Solid fuel and electric combination or oil and electric combination (not including stoves or ranges with electric extension) ..	No.	8,226	9,639	8,604
	\$	1,870,198	2,122,177	2,066,892
Gas cooking stoves and ranges (not combinations), (including all styles with ovens)	No.	31,535	35,991	35,077
	\$	3,389,672	4,137,097	4,489,456
Gas heating stoves and space heaters	No.	8,850	4,284	14,295
	\$	268,898	264,198	496,606
Gas cooking plates — no oven	No.	2,683	4,228	16,817
	\$	28,742	46,479	116,157
Electric cooking stoves or ranges (over 35 amperes), all styles with ovens	No.	199,132	217,159	194,178
	\$	30,933,531	33,225,480	30,336,566
Electric rangettes, including cord attachment and oven as one unit	No.	41,679	36,756	21,129
	\$	1,435,307	1,358,324	891,876
Electric cooking plates and grills, including stoves for glass coffee-makers	No.	191,811	203,285	146,962
	\$	999,602	892,045	755,744
Oil (kerosene) and gasoline cooking stoves and ranges	No.	73,540	1	1
	\$	628,913	1	1
Oil (kerosene) and gasoline heating stoves and space heaters ...	No.	2,848	1	1
	\$	58,605	1	1
Fuel oil (distillate) cooking stoves and ranges	No.	10,659	12,477	9,972
	\$	1,557,462	1,790,140	1,358,152
Fuel oil (distillate) heating stoves and space heaters	No.	59,385	71,973	72,050
	\$	2,864,089	3,469,232	3,573,470
Total	"	49,649,424	—	—

¹ Not available — less than 3 firms reporting.

TABLE 6. Factory Shipments of Domestic Water-Tank Heaters, 1956 and 1957 (From all Industries)

	1956		1957	
	Number	Selling value at works	Number	Selling value at works
Cast iron, for coal, wood or oil (120 gallons or less) ...	370	\$ 25,104	520	\$ 47,697
Gas, automatic	40,691	3,010,778	43,013	2,851,537
Gas, not automatic	8,637	268,483	9,979	447,956
Electric, circulating type	31,443	247,308	21,139	158,727
Electric, immersion type	224,522	778,161	228,978	594,513
Clamp-on type	15,498	68,921	11,867	55,560
Electric, automatic storage tank type, including tank and controls	58,243	3,741,428	60,701	4,024,437
Total	379,404	8,140,183	376,197	8,180,427

TABLE 7. Total Production¹ of Power-Type Oil Burners,² 1948 - 1957 (From all Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1948	13,152	1,607,778	1953	100,288	10,609,632
1949	54,269	5,920,863	1954	114,380	11,244,958
1950	86,097	9,860,584	1955	125,639	11,282,838
1951	74,277	9,160,568	1956	122,675	10,626,148
1952	85,215	9,337,512	1957	93,794	7,656,070

¹ Factory shipments since 1952.² Not including industrial oil burners.TABLE 8. Total Production¹ of Furnace Blowers, 1948 - 1957 (From all Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1948	9,661	381,097	1953	32,878	814,416
1949	14,237	532,702	1954	60,127	1,192,187
1950	29,670	861,896	1955	104,705	1,760,782
1951	28,812	873,364	1956	120,846	1,907,104
1952	28,594	761,365	1957	152,723	2,028,695

¹ Factory shipments since 1952.TABLE 9. Total Production¹ of Mechanical Stokers, 1948 - 1957 (From all Industries)

Year	Domestic or residential		Commercial or industrial		Total		Selling value of stoker parts
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works	
	\$		\$		\$		\$
1948	5,458	1,298,184	1,532	1,394,924	6,988	2,692,508	1,238,556
1949	2,112	593,335	1,122	1,322,822	3,234	1,916,157	1,047,296
1950	1,569	425,490	949	1,121,417	2,518	1,546,907	845,750
1951	1,036	295,413	864	1,071,586	1,900	1,366,999	339,417
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	992,633

¹ Factory shipments since 1952.

TABLE 10. Total Production¹ of Unit Heaters, 1948-1957 (From all Industries)

Year	Quantity given		Quantity not given	
	Number	Selling value at works	Selling value at works	Total
			dollars	
1948	22,882	2,271,737	102,750	2,374,487
1949	16,553	2,037,432	50,232	2,087,664
1950	33,908	3,130,102	-	3,130,102
1951	27,028	3,858,253	-	3,858,253
1952	27,055	4,266,268	-	4,266,268
1953	26,428	4,464,582	-	4,464,582
1954	22,590	4,244,901	-	4,244,901
1955	23,624	4,427,004	-	4,427,004
1956	31,387	5,451,826	-	5,451,826
1957	25,717	6,561,433	-	6,561,433

¹ Factory shipments since 1952.TABLE 11. Total Production¹ of Air Registers and Grills, 1948-1957 (From all Industries)

Year	Selling value at works	Year	Selling value at works
	\$		\$
1948	833,629	1953	1,514,078
1949	1,430,559	1954	1,818,198
1950	1,106,775	1955	1,842,814
1951	1,873,151	1956	2,461,151
1952	1,059,827	1957	2,837,621

¹ Factory shipments since 1952.TABLE 12. Total Production¹ of Heating Radiators, 1948-1957 (From all Industries)

Year	Steel and cast iron type (standing and concealed)		Convector (steel and non-ferrous types)		Total	
	Sq. ft.	Value	Sq. ft.	Value	Sq. ft.	Value
	\$		\$		\$	
1948	8,644,853	4,115,098	4,868,121	2,244,819	13,512,974	6,359,917
1949	7,163,072	3,617,605	5,444,115	2,543,305	12,607,187	6,160,910
1950	7,250,054	3,761,761	6,922,053	3,180,440	14,172,107	6,942,201
1951	7,489,125	4,474,647	9,503,702	5,117,269	16,992,827	9,591,916
1952	5,263,434	3,622,315	7,990,079	4,393,017	13,253,513	8,015,332
1953	6,346,714	4,195,740	8,659,792	4,883,288	15,006,506	9,079,028
1954	5,811,940	3,888,017	8,932,191	5,321,258	14,744,131	9,209,275
1955	6,194,680	3,999,980	10,091,279	6,303,627	16,285,959	10,303,607

¹ Factory shipments since 1952.

Note: See Table 12(a) for 1956 and 1957 data.

TABLE 12 (a). Total Production of Heating Radiators, 1956 and 1957 (From all industries)

Kind	1956		1957	
	Sq. ft. E.D.R. ¹	Value of factory shipments	Sq. ft. E.D.R. ¹	Value of factory shipments
Standing type, cast iron and pressed steel (excluding tube and fin types)		\$		\$
Baseboard type, cast iron, pressed steel and other fabricated metal	3,524,888	2,315,899	3,692,980	2,791,111
Concealed type, cast iron, pressed steel and other fabricated metal	4,315,424	3,124,326	4,340,047	3,317,150
Total	8,654,006	5,600,330	7,115,868	4,779,040
Total	16,494,318	11,040,555	15,148,895	10,887,301

¹ Equivalent of Direct Radiation.TABLE 13. Total Production¹ of Warm Air Furnaces, 1948-1957 (From all Industries)

Year	Designed for coal or wood burning		Designed exclusively for oil burning		Designed exclusively for gas burning		Total all types	
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works
		\$		\$		\$		\$
1948							64,272	7,280,716
1949							80,669	10,467,283
1950							100,760	13,830,234
1951	60,941	9,520,152	22,299	4,037,194	5,164	737,784	88,804	14,295,130
1952	45,464	6,385,175	32,512	6,264,363	5,889	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

¹ Factory shipments since 1952.

TABLE 14. Factory Shipments of Heating and Power Boilers, 1956 and 1957 (From all Industries)

Type	1956		1957	
	Number of boilers	Total selling value at plant	Number of boilers	Total selling value at plant
		\$		\$
Heating boilers:				
Cast iron sectional heating boilers:				
(a) Under 775 sq. ft.	8,265	1,107,730	6,727	1,066,634
(b) 776-1,499 sq. ft.	2,482	952,264	2,285	956,154
(c) 1,500 sq. ft. and over	1,571	1,196,511	1,261	1,154,502
Steel heating boilers:				
(a) Under 112 sq. ft.	7,085	1,569,342	6,672	1,404,500
(b) 112-522 sq. ft.	1,360	2,935,659	1,003	1,867,853
(c) 573-1,245 sq. ft.	363	1,541,254	718	2,099,967
(d) 1,362 sq. ft. and over	40	414,894	99	929,204
Power boilers:				
Marine type	42	663,842	51	313,465
Water-tube, package boiler units	—	2,423,953	129	3,805,586
Firetube, package boiler units	—	1,086,012	201	964,876
Firetube boilers	—	302,222	31	207,082
Boilers, type not specified	—	13,360,255	—	9,103,086
Total	—	27,553,938	—	23,872,909

TABLE 15. Principal Statistics Classified According to Type of Ownership, 1956 and 1957

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
1956					
Individual ownership	10	65	144,514	79,744	277,247
Partnerships	7	110	412,826	900,529	1,782,653
Incorporated companies	100	9,263	32,813,787	64,682,921	121,566,140
Total	117	9,438	33,371,127	65,663,194	123,626,040
1957					
Individual ownership	9	49	121,114	115,243	297,338
Partnerships	7	119	488,138	858,410	1,770,734
Incorporated companies	102	8,711	31,553,209	58,988,944	117,264,349
Total	118	8,879	32,162,461	59,962,597	119,332,421

TABLE 16. Principal Statistics of the Heating and Cooking Apparatus Industry
in Canada, Grouped According to Size of Establishment, 1956 and 1957

Establishments reporting a value of factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
1956					
Under \$10,000	5	8	10,160	9,420	25,517
\$10,000 to \$24,999	12	63	133,173	68,970	210,515
\$25,000 " \$49,999	7	53	115,980	57,180	217,088
\$50,000 " \$99,999	9	78	255,243	278,299	608,967
\$100,000 " \$199,999	17	221	702,730	1,149,892	2,420,550
\$200,000 " \$499,999	21	571	1,774,726	3,153,111	6,928,735
\$500,000 " \$999,999	15	790	2,572,140	6,267,587	10,750,820
\$1,000,000 " \$4,999,999	27	4,789	16,840,319	32,301,697	61,833,524
\$5,000,000 and over	4	2,813	10,812,582	22,377,038	40,580,324
Head office	—	52	154,074	—	—
Total	117	9,438	33,371,127	65,663,194	123,626,040
1957					
Under \$10,000	5	7	11,400	7,600	22,701
\$10,000 to \$24,999	8	36	76,331	37,550	139,307
\$25,000 " \$49,999	9	68	183,330	78,363	323,701
\$50,000 " \$99,999	14	103	346,118	448,466	979,124
\$100,000 " \$199,999	20	367	1,085,816	1,441,343	2,800,237
\$200,000 " \$499,999	17	419	1,412,527	2,861,927	5,183,205
\$500,000 " \$999,999	14	707	2,477,145	5,722,343	9,815,132
\$1,000,000 " \$4,999,999	27	4,639	16,456,036	30,630,259	61,688,430
\$5,000,000 and over	4	2,486	9,962,491	18,734,746	38,380,584
Head office	—	47	151,267	—	—
Total	118	8,879	32,162,461	59,962,597	119,332,421

IRON AND STEEL PRODUCTS

TABLE 17. Employees and Earnings in the Heating and Cooking Apparatus Industry, by Provinces, 1956 and 1957

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
dollars								
1956								
New Brunswick	102	41	529	28	700	632,376	1,399,816	2,032,192
Quebec	342	126	1,472	6	1,946	1,926,068	4,574,898	6,500,966
Ontario	1,178	529	4,063	206	5,976	7,539,632	14,731,922	22,271,554
Manitoba	23	5	159	—	187	135,995	443,613	579,608
Alberta	29	8	118	—	155	120,423	365,719	486,142
British Columbia	59	11	279	18	367	324,177	901,270	1,225,447
Other provinces	6	2	99	—	107	22,242	252,976	275,218
Canada	1,739	722	6,719	258	9,438	10,700,913	22,670,214	33,371,127
1957								
New Brunswick	87	64	538	3	694	574,038	1,319,598	1,893,636
Quebec	353	130	1,381	8	1,872	1,958,263	4,270,095	6,228,358
Ontario	1,149	501	3,669	204	5,523	7,622,635	13,764,654	21,387,289
Manitoba	26	5	162	1	194	153,775	494,013	647,788
Alberta	30	9	129	—	168	159,446	372,182	531,628
British Columbia	40	8	278	9	335	261,826	995,735	1,257,561
Other Provinces	5	2	86	—	93	17,806	198,395	216,201
Canada	1,692	719	6,243	225	8,879	10,747,789	21,414,672	32,162,461

TABLE 18. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
number						
January	6,308	239	6,547	6,333	218	6,551
February	6,492	264	6,756	6,170	199	6,369
March	6,545	263	6,808	6,205	228	6,433
April	6,519	255	6,774	6,164	246	6,410
May	6,694	253	6,947	6,082	255	6,337
June	6,753	257	7,010	6,230	245	6,475
July	6,722	282	7,004	6,331	259	6,590
August	7,063	301	7,364	6,471	252	6,723
September	7,307	273	7,580	6,562	238	6,800
October	7,022	276	7,298	6,459	219	6,678
November	7,080	248	7,328	6,192	211	6,403
December	6,168	214	6,382	5,444	209	5,653
Average	6,719	258	6,977	6,243	225	6,468

TABLE 19. Capital and Repair Expenditures in the Heating and Cooking Apparatus Industry, 1953-1957

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
thousands of dollars							
1953	2,110	2,546	4,656	583	1,108	1,691	6,347
1954	1,113	2,138	3,251	478	1,132	1,610	4,861
1955	1,821	1,948	3,769	499	1,070	1,569	5,338
1956	1,985	1,458	3,443	373	1,177	1,550	4,993
1957	860	2,375	3,235	496	880	1,376	4,611

Note: Figures for the current year are preliminary.

TABLE 20. Imports and Exports of Specified Heating and Cooking Apparatus, 1956 and 1957

Item	1956		1957		
	Quantity	Value	Quantity	Value	
Imports					
Cooking stoves, coal and wood	No.	1,454	68,206	674	35,856
Cooking stoves, electric, valued at more than \$25 each ...	"	16,064	1,928,951	8,178	964,783
Cooking stoves, gas (including combinations), valued at more than \$10 each	"	28,894	2,452,655	26,357	2,239,070
Cooking stoves, gasoline and oil, valued at more than \$10 each	"	2,261	70,449	1,137	62,964
Boilers, domestic (hot water furnaces).....	-	-	1,009,272	-	715,925
Industrial furnaces and parts	-	-	3,233,170	-	3,703,879
Furnaces, domestic, warm air	No.	37,597	5,020,299	32,239	3,913,761
Oil burners, n.o.p.	"	5,349	541,963	2,144	258,978
Radiators, cast iron.....	sq. ft.	29,720	8,823	13,813	5,987
Space heating and cooking apparatus, electric, n.o.p.	-	-	3,199,142	-	3,056,464
Heating and cooking apparatus, n.o.p.	-	-	4,555,915	-	5,679,064
Heating and cooking apparatus, parts of	-	-	14,614,153	-	12,164,442
Ovens, of a class or kind not made in Canada, for use in commercial bakeries, and complete parts	-	-	432,731	-	601,808
Oven thermostats, automatic oven lighters and dual valves for gas stoves; and gas pressure regulators	-	-	87,992	-	78,319
Space heaters, oil, valued at \$20 or over.....	No.	28,919	1,363,099	35,349	1,685,438
Range oil burners	"	9,386	166,212	2,709	85,612
Water heaters:					
Gas	"	25,426	1,339,135	29,421	1,504,171
Electric	"	19,408	864,263	18,125	736,766
Other	"	3,403	202,686	3,260	228,764
Water heater parts, including automatic pilots, thermostatic and other controlling devices	-	-	558,045	-	542,749
Exports					
Cooking stoves, electric	No.	949	164,254	871	175,491
Cooking stoves, gas	"	284	36,100	199	22,714
Cooking stoves, gasoline and oil	"	33,221	209,138	40,828	253,869
Cooking stoves, coal and wood	"	63	6,940	34	5,710
Electric heating and cooking devices, domestic, n.o.p.	-	-	75,405	-	98,295
Stoves and heating apparatus (other than electric), n.o.p.	-	-	761,995	-	786,584
Parts of stoves and heating apparatus	-	-	292,181	-	219,471

TABLE 21. Fuel and Electricity Used in the Heating and Cooking Apparatus Industry, 1956 and 1957

Kind	1956		1957		
	Quantity	Cost at works	Quantity	Cost at works	
					
Bituminous coal (a) From Canadian mines	ton	5,615	76,942	4,156	58,608
(b) Imported	"	5,477	67,698	3,011	38,878
Anthracite coal	"	2,765	45,852	2,438	40,562
Coke.....	"	588	15,659	593	18,152
Gasoline (including gasoline used in cars and trucks) ...	Imp. gal.	270,002	111,931	322,493	132,095
Kerosene	"	2,329	539	2,251	601
Fuel oil	"	2,994,670	502,737	3,189,852	473,227
Wood	cord	108	973	131	605
Gas:					
(a) Liquefied petroleum gases	Imp. gal.	70,202	16,109	75,780	19,324
(b) Other manufactured gas	M cu. ft.	5,323	8,843	4,711	7,663
(c) Natural gas	"	90,350	120,989	188,237	192,245
Other fuel	-	-	4,363	-	46,591
Electricity purchased	kwh.	52,409,378	600,349	48,009,129	604,074
Total	-	-	1,572,982	-	1,632,625

List of Firms in the Heating and Cooking Apparatus Industry, 1957

Name of firm	Location of plant
Newfoundland:	
Trask Foundry	St. John's
Nova Scotia:	
Angel Manufacturing & Supply Company Ltd.	King St., North Sydney
Enamel & Heating Products Ltd.	Station St., Amherst
New Brunswick:	
Enamel and Heating Products, Limited	Main St., Sackville
Enterprise Foundry Co., Limited	Lorne St., Sackville
Record Stove and Furnace Company Limited	Lutz St., Moncton
Quebec:	
Atlas-Webster Industries Ltd.	10900 Montée St-Laurent, St-Laurent
Bélanger, A., Limitée	85, rue St-Jean-Baptiste, Montmagny
Brock Engineering Mfg. Co. Ltd.	4305 Iberville St., Montreal
Croname (Canada) Ltd.	50 Taylor St., Waterloo
Decarie Boiler & Incinerator Ltd.	7592 St. Hubert St., Montreal
G.P. Gas Appliances Co.	8651 Casgrain St., Montreal
Gurney Products Limited	380, Blvd., Ste-Croix, St-Laurent de Montreal
Hunt & Moscrop (Canada) Ltd.	480 St. Cécile St., Granby
Kresno Stannin Mfg. Co. (Canada) Ltd.	8255 Durocher St., Montreal
La Fonderie de l'Islet Limitée	L'Isletville, Que.
Lemelin Products Inc.	Montmagny
Mark Hot Inc.	7735, boulevard St-Michel, Montreal
Modern Kitchen Equipment Co.	85 rue Lahaie, Pont Vieux
National Heating Products Ltd.	262 Scott St., St. Jerome
Quebec Metal Pressing Inc.	340 — 5ieme rue, Quebec
Serv-All Company Inc.	390 Laurendeau Ave., Montreal
Stoker Ltée	7065 Papineau, Montreal
Vapor Heating (Canada) Ltd.	3955 Courtrai Ave., Montreal
Velan Engineering Ltd.	2125 Ward Ave., Ville St. Laurent
Volcano Limitée	2020 Ste-Anne Ave., St-Hyacinthe
Watts, A.E. Ltd.	1260 Laurentian Blvd., St. Laurent
Ontario:	
Abco Steel Products Ltd.	2775 Dundas St. W., Toronto
Aero Tool Works Limited	37 Hanna Ave., Toronto
American-Standard Products (Canada) Ltd.	4 Junction Rd., Toronto
Auto-Flo Corporation of Canada Inc.	385 Salter Ave., Windsor
Barlin Scott Mfg. Co. Ltd.	32 Lincoln St., Hamilton
Beach Foundry, Limited	75 Spencer St., Ottawa
Bestway Auto Heating Co.	1665 Eagle St., Preston
Brantford Engineering & Mfg. Co.	1240 Queen Elizabeth Hwy., Burlington
Brantford Washing Machine Ltd.	35 Fieldway Rd., Toronto
Bryant Mfg. Co. Ltd.	450 Dufferin St., Toronto
Canada Stoker Co. Ltd.	259 Sumach St., Toronto
Canadian Ema Co.	Bay St., Thornbury
Canadian General Filters Limited	39 Crockford Blvd., Scarborough
Carswell Furnaces Ltd.	29 Chamberlain Ave., Ottawa
Clare Bros. Ltd.	223 King St., Preston
Coleman Lamp & Stove Co. Ltd.	9 Davies Ave., Toronto
Commercial Kitchen Equipment Mfg. Co.	781 Queen St. E., Toronto
Conroy Manufacturing Co. Ltd.	55 Catharine St., St. Catharines
Cox Air Conditioning Co.	65 Western Ave., Orillia
Delhi Industries	197 James St., Delhi
Douglas Metal Industries Ltd.	170 Willowdale St., Willowdale
Dunham Bush (Canada) Limited	140 Wendell Ave., Toronto
Eaton T. Co. Ltd.	490 York Rd., Guelph
Eclipse Fuel Eng., of Canada Ltd.	Don Mills
Engineering Industries Ltd.	650 Dupont St., Toronto
Field Manufacturing Co. of Canada, Ltd.	286 Main St., Toronto
Findlays, Limited	High St., Carleton Place
Foreman & Pratt Limited	1109 Bay St., Toronto
Garland Commercial Ranges Ltd.	41 Medulla Ave., Toronto
Gauth Electric	443 Birchmount Rd., Toronto
General Steel Wares, Ltd.	Nelson and Adelaide Sts., London
Grimsby Stove and Furnace Limited	27 John St., Grimsby
Hall Foundry Co., Limited	Sheffield St., Hespeler
Harriston Stove Co., Limited	Harriston
Hart and Cooley Mfg. Co. of Canada, Limited	Wood St., Fort Erie N.

List of Firms in the Heating and Cooking Apparatus Industry, 1957 — Concluded

Name of firm	Location of plant
Ontario — Concluded:	
Howard Furnace & Foundries, Limited	1151 Victoria Park Ave., Toronto
Ideal Stoker Company Ltd.	500 Wellington St., W., Toronto
Iron Fireman Mfg. Co. of Canada, Ltd.	80 Ward St., Toronto
Kemp Manufacturing Co. Ltd.	19 Petrolia St., Guelph
Lee Engineering Ltd.	14 Gordon St., Guelph.
Lennox Industries (Canada) Ltd.	400 Brown's Line, Toronto
Livingston Stoker Company Limited	33 Sanford Ave. S., Hamilton
Lloyd Register & Grille Co. Ltd.	30 Six Points Rd., Toronto
London Foundry	683 Bathurst St., London
Moffats, Limited	23 Denison Road E., Weston
Morch Manufacturing	Water St., Belleville
Niagara Heating Manufacturers Ltd.	Dunkirk Rd., St. Catharines
Norfolk Equipment Mfg. Ltd.	Delhi
Pease Foundry Company Limited	Brampton
Peerless Furnaces & Mfg. Ltd.	225 Pearl St., Port Arthur
Pepper's Automatic Stokers Limited	240 Adelaide St. W., Toronto
Roberts Gordon Appliance Corp. Ltd.	Grimsby
Ruud Mfg. Co.	Portland & Windsor Sts.. Mimico
Sarco Canada Ltd.	Claremont
Stewart, James, Mfg. Company, Limited	Tecumseh St., Woodstock
Tobac Curing System Limited	First Ave., Simcoe
Toronto Blower Co.	156 Duke St., Toronto
Trane Company of Canada, Limited	401 Horner Ave., Toronto
Wait-Skuttle Company	51 Davies Rd., Oakville
Wayne Forge & Machine Company Ltd.	5 Brooklyn Ave., Toronto
Western Foundry Company Limited	Wingham
Manitoba:	
Bulloch's Limited	Berry St. and Sargent Ave., Winnipeg
Greensteel Industries Limited	975 Logan Ave., Winnipeg
Porteous Manufacturing Co.	8th St. N. & Assiniboine Ave., Brandon
Silver Line Manufacturing Co. Ltd.	1510 Wall St., Winnipeg
Alberta:	
Cone Water Heaters Limited	3616 Manchester Rd., Calgary.
Dominion Heater & Gas Appliances Co.	1312 — 1st St. W., Calgary.
Darlsun Furnace Works	9523 Jasper Ave., Edmonton
Flame Master Ltd.	6130 — 97 St. South Edmonton
Furnace-Aire Limited	8516 — 106A Ave., Edmonton
Isco Manufacturing of Canada Ltd.	10357 — 109 St., Edmonton
Kirk's Heating Limited	Three Hills
Lehman, Charles L., Ltd.	9331 — 11th Ave., Edmonton
Marvel Stoker Products	9812 — 101st Ave., Edmonton
Progress Manufacturing Co. Ltd.	12302 Stoney Plain Rd., Edmonton
Shannon Bros.	1 Dunmore Road, Medicine Hat
Upright Bros., Ltd.	12311 — 126 Ave., Edmonton
British Columbia:	
Accurate Metal Manufacturing Co. Ltd.	666 Powell St., Vancouver
Mitchell Mfg. Ltd.	225 W. 5th St., Vancouver
Archer Industries Ltd.	1820 Fir St., Vancouver
Coast Foundry Co. Ltd.	1000 Boundary Road, Vancouver
Cyclos Mfg. Co. Ltd.	4099 Tuxedo Dr., Victoria
Dickinson's Ltd.	1276 Howe St., Vancouver
Drake Manufacturing Ltd.	1684W — 1st Ave., Vancouver.
Hale-Co. Metal Products Ltd.	1614 West 1st Ave., Vancouver
Heat Pump Ltd.	462 East 5th Ave., Vancouver
Kumfort Furnace Co. Ltd.	5669 Tyne St., Vancouver
McDonell Metal Manufacturing Company Limited	1250 Boundary Rd., Vancouver
Rees Burners Ltd.	1331W — 6th Ave., Vancouver
Supreme Agencies Ltd.	536 Richard St., Vancouver
Taggart Manufacturing Co. Ltd.	456 East 5th Ave., Vancouver

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