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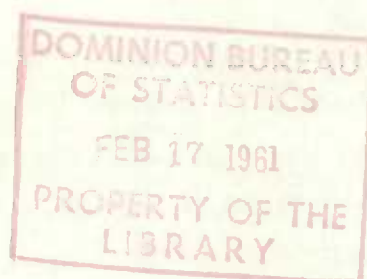
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ANNUAL



# IRON AND STEEL PRODUCTS 1958

GENERAL REVIEW



*Published by Authority of*  
The Honourable George Hees, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Industry and Merchandising Division

February, 1961  
6523-508

Price 50 cents

## PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Iron and Steel Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

**A — Annual**

**M — Monthly**

**S.C. — Special Compilation**

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## EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1958, are as follows:

### Period Covered

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

### Establishment

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

### Employees

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

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

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

### Salaries and Wages

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

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

### Cost of Fuel and Electricity

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

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies



for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

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

### Inventories

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

### Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished

goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

### Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

<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*.

### 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.

# IRON AND STEEL PRODUCTS

1958

## GENERAL REVIEW

The gross value of production for the Iron and Steel Products group of industries totalled \$2,706 millions in 1958 compared with \$2,912 millions in 1957, a decrease of 7.1 per cent. The net value of production, or the value added by manufacturing at \$1,364 million showed a decrease of 7.6 per cent from the \$1,476 million reported in 1957.

The gross values by industries for 1958 were as follows, in millions of dollars: agricultural implements, \$133; boilers and plate work, \$109; bridge and structural steel work, \$211; hardware, tools and cutlery, \$158; heating and cooking apparatus, \$129; iron castings, \$253; machine shops, \$60; household, office and store machinery, \$136; machine tools, \$11; machinery, not elsewhere classified, \$311; primary iron and steel, \$590; sheet metal products, \$333; wire and wire goods, \$149; and miscellaneous iron and steel, \$121.

The distribution of this production by provinces was as follows, in millions of dollars: Ontario, \$1,803; Quebec, \$547; British Columbia (including Yukon), \$113; Nova Scotia, \$78; Manitoba, \$68; Alberta, \$64; Saskatchewan, \$17; New Brunswick, \$14; Newfoundland, \$3; and Prince Edward Island, \$0.2.

In 1958 a total of 3,254 factories operated in this group. These works employed 179,440 people who were paid \$757 millions in salaries and wages.

Materials used in manufacturing processes cost \$1,271 millions and fuel and electricity cost \$57 millions.

The Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics since 1949 provides for a separate Transportation Equipment group. This new major division includes such industries as aircraft, shipbuilding, motor vehicles, etc., which were formerly classified to the Iron and Steel and their Products group. The statistics for Iron and Steel products therefore, are not strictly comparable with those published previous to 1949.

**Note:** 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.



TABLE 1. Principal Statistics for the Iron and Steel Products Group, by Industries, 1957 and 1958

Industry	Estab- lish- ments	Em- ployees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Value added by manufacture <sup>1</sup>
	number		dollars				
1957							
Agricultural implements .....	70	10,271	39,278,116	1,813,015	59,855,771	122,528,538	58,174,333
Boilers and plate work .....	102	9,226	38,247,873	1,531,273	62,647,293	121,959,107	57,326,097
Bridge and structural steelwork .....	58	15,974	70,956,268	2,068,714	117,061,824	231,450,499	112,319,961
Hardware, tools and cutlery .....	419	13,852	52,414,842	2,353,627	59,818,358	159,653,914	98,811,701
Heating and cooking apparatus .....	118	8,879	32,162,461	1,632,625	59,962,597	119,332,421	57,562,502
Iron castings .....	201	16,777	67,255,724	4,482,447	142,250,365	276,048,007	133,477,902
Machine shops .....	656	7,651	26,552,740	1,132,102	22,685,290	62,690,917	39,117,634
Machinery, household, office and store .....	70	9,665	35,884,788	1,056,743	68,636,393	142,743,904	75,277,132
Machine tools .....	12	1,559	6,285,526	166,165	6,000,246	14,969,027	8,616,552
Machinery, not elsewhere classified .....	360	27,691	109,192,218	3,395,812	153,043,170	363,000,234	210,725,054
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	51	35,944	170,779,346	36,755,262	329,582,384	704,565,791	344,565,954
Sheet metal products .....	432	19,733	77,109,470	3,396,095	167,831,957	309,498,908	136,675,531
Wire and wire goods .....	141	9,832	39,359,509	2,160,965	81,652,795	151,238,354	68,653,446
Miscellaneous iron and steel .....	383	11,501	41,614,019	3,312,272	55,892,181	132,448,457	75,042,329
Totals .....	3,073	198,555	807,092,900	65,277,137	1,386,920,624	2,912,148,078	1,476,346,128
1958							
Agricultural implements .....	71	11,011	47,344,429	1,959,417	77,274,314	133,145,309	60,536,739
Boilers and plate work .....	103	7,949	34,535,930	1,451,727	53,265,040	108,888,919	52,966,057
Bridge and structural steel work .....	65	14,531	66,027,964	1,859,516	100,702,283	210,882,702	108,320,903
Hardware, tools and cutlery .....	430	13,448	51,129,187	2,257,863	55,935,832	158,197,433	100,663,656
Heating and cooking apparatus .....	126	8,670	32,686,116	1,607,974	65,029,147	129,265,079	62,454,754
Iron castings .....	169	15,081	61,777,434	4,471,283	132,575,064	253,444,707	114,962,422
Machine shops .....	700	7,009	26,519,406	1,101,637	20,663,688	59,785,696	37,836,144
Machinery, household, office and store .....	71	8,557	33,950,426	1,046,201	64,616,509	135,976,609	68,096,143
Machine tools .....	14	1,041	4,544,639	157,175	5,820,566	11,355,414	4,478,466
Machinery, not elsewhere classified .....	379	23,347	95,602,417	3,291,154	133,424,224	311,094,856	167,442,946
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	50	30,261	148,023,062	28,905,568	250,669,538	590,317,696	304,923,587
Sheet metal products .....	473	19,107	78,135,571	3,447,728	175,251,811	333,264,998	154,400,230
Wire and wire goods .....	150	9,219	38,213,572	2,061,192	82,635,926	148,798,469	62,666,734
Miscellaneous iron and steel .....	433	10,209	39,101,081	2,936,729	52,846,492	121,264,912	64,324,696
Totals .....	3,254	179,440	757,173,234	56,555,164	1,270,710,220	2,705,682,799	1,364,093,479

<sup>1</sup> See note to text.

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

TABLE 2. Principal Statistics for the Iron and Steel Products Group, by Provinces, 1957 and 1958

Province	Estab- lish- ments	Em- ployees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Value added by manufacture <sup>1</sup>
	number		dollars				
1957							
Newfoundland .....	10	264	823,845	57,964	907,057	2,303,392	1,325,640
Prince Edward Island .....	4	29	71,800	4,173	62,062	151,710	77,704
Nova Scotia .....	54	6,842	26,011,070	4,091,582	45,591,724	81,543,665	33,266,720
New Brunswick .....	32	1,278	3,617,329	251,107	5,815,392	12,666,504	6,835,245
Quebec .....	721	45,997	175,113,736	10,836,953	275,261,617	593,096,208	314,719,883
Ontario .....	1,555	123,601	516,597,587	45,890,562	909,064,544	1,933,767,733	982,213,763
Manitoba .....	133	5,404	19,796,035	1,196,995	35,125,767	66,553,231	30,043,379
Saskatchewan .....	55	722	2,551,445	107,555	4,942,125	8,624,328	3,988,575
Alberta .....	172	4,587	17,654,333	950,556	37,088,940	68,253,769	31,369,783
British Columbia .....	336	9,831	42,855,720	1,889,690	73,061,396	145,187,538	72,505,436
Yukon .....	1						
Canada .....	3,073	198,555	807,092,900	65,277,137	1,386,920,624	2,912,148,078	1,476,346,128
1958							
Newfoundland .....	11	294	933,088	54,936	1,003,421	2,511,057	1,426,502
Prince Edward Island .....	4	30	76,890	3,817	107,129	214,805	97,118
Nova Scotia .....	57	5,927	23,786,432	3,329,439	36,947,311	77,669,814	35,161,157
New Brunswick .....	35	1,288	3,993,391	263,235	6,783,766	14,029,276	7,218,777
Quebec .....	780	40,822	159,392,198	9,166,192	251,521,956	546,687,838	277,153,325
Ontario .....	1,644	112,979	494,459,039	40,003,149	842,998,138	1,802,728,575	916,810,635
Manitoba .....	146	5,316	20,917,408	1,102,873	33,464,785	68,371,099	34,538,641
Saskatchewan .....	53	793	2,803,201	161,870	9,732,482	16,766,059	6,925,676
Alberta .....	173	4,272	16,865,222	896,625	33,987,205	63,942,533	28,918,968
British Columbia .....	351	7,719	33,946,365	1,573,028	54,164,027	112,761,743	55,842,660
Canada .....	3,254	179,440	757,173,234	56,555,164	1,270,710,220	2,705,682,799	1,364,093,479

<sup>1</sup> See note to text.

TABLE 3. Inventories<sup>1</sup> in the Iron and Steel Products Group, 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
(a) By Industries				
Opening:				
Agricultural implements .....	10,862,821	14,793,328	9,697,037	35,353,186
Boilers and plate work .....	16,589,019	11,638,751	3,961,716	32,189,486
Bridge and structural steel work .....	56,884,204	10,372,320	2,713,093	69,969,617
Hardware, tools and cutlery .....	16,814,004	8,779,174	13,446,710	39,039,888
Heating and cooking apparatus .....	11,930,849	4,471,137	11,633,220	28,035,206
Iron castings .....	34,913,821	11,466,185	22,758,821	69,138,827
Machine shops .....	4,683,892	1,201,114	851,509	6,736,515
Machinery, household, office and store .....	15,268,013	11,469,954	15,884,365	42,622,332
Machine tools .....	1,079,646	1,771,668	980,493	3,831,807
Machinery, not elsewhere classified .....	39,738,893	29,358,609	33,589,825	102,687,327
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	79,004,136	30,394,358	34,493,504	143,891,998
Sheet metal products .....	26,010,476	12,383,711	15,631,539	54,025,726
Wire and wire goods .....	18,448,372	2,118,425	17,044,107	37,610,904
Miscellaneous iron and steel .....	16,744,588	9,535,855	4,125,857	30,406,300
<b>Totals .....</b>	<b>348,972,734</b>	<b>159,754,589</b>	<b>186,811,796</b>	<b>695,539,119</b>
Closing:				
Agricultural implements .....	10,049,738	21,394,324	9,721,202	41,165,264
Boilers and plate work .....	14,283,246	10,581,151	3,833,221	28,697,618
Bridge and structural steel work .....	40,878,688	13,330,049	2,684,378	56,893,115
Hardware, tools and cutlery .....	15,800,241	9,100,651	13,785,151	38,686,043
Heating and cooking apparatus .....	11,897,008	4,894,720	11,036,433	27,828,161
Iron castings .....	25,556,214	8,561,327	24,227,741	58,345,282
Machine shops .....	4,862,520	1,062,639	805,757	6,730,916
Machinery, household, office and store .....	14,040,460	10,424,797	14,711,552	39,176,809
Machine tools .....	1,103,200	836,211	1,016,743	2,956,154
Machinery, not elsewhere classified .....	34,583,143	25,719,355	30,292,547	90,595,045
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	74,214,619	30,487,375	28,581,484	133,283,478
Sheet metal products .....	26,493,628	11,876,320	15,973,701	54,343,649
Wire and wire goods .....	17,363,725	2,371,725	15,355,958	35,091,640
Miscellaneous iron and steel .....	15,154,985	8,469,907	4,034,812	27,659,704
<b>Totals .....</b>	<b>306,281,415</b>	<b>159,110,783</b>	<b>176,060,680</b>	<b>641,452,878</b>
(b) By Provinces				
Opening:				
Newfoundland .....	329,276	178,139	129,013	636,428
Prince Edward Island .....	8,183	4,769	5,620	18,572
Nova Scotia .....	17,711,126	4,836,241	2,347,150	24,894,517
New Brunswick .....	1,716,626	316,885	1,318,671	3,352,182
Quebec .....	69,139,032	30,937,007	44,544,416	144,620,455
Ontario .....	213,155,981	109,819,947	123,493,997	446,469,925
Manitoba .....	12,813,431	4,589,868	2,681,421	20,084,720
Saskatchewan .....	1,551,063	499,802	1,540,503	3,591,368
Alberta .....	12,118,275	2,445,894	3,597,428	18,161,597
British Columbia .....	20,429,741	6,126,037	7,153,577	33,709,355
<b>Canada .....</b>	<b>348,972,734</b>	<b>159,754,589</b>	<b>186,811,796</b>	<b>695,539,119</b>
Closing:				
Newfoundland .....	341,947	183,785	97,169	622,901
Prince Edward Island .....	25,915	—	3,648	29,563
Nova Scotia .....	13,380,837	3,033,368	2,062,350	18,476,555
New Brunswick .....	1,666,235	465,315	1,500,943	3,632,493
Quebec .....	59,726,979	25,738,964	41,742,745	127,208,688
Ontario .....	192,984,441	113,815,153	115,443,746	422,243,340
Manitoba .....	10,989,115	7,018,922	2,678,796	20,686,833
Saskatchewan .....	1,771,322	380,524	1,713,750	3,865,596
Alberta .....	10,486,387	2,237,667	3,828,861	16,552,915
British Columbia .....	14,908,237	6,237,085	6,988,672	28,133,994
<b>Canada .....</b>	<b>306,281,415</b>	<b>159,110,783</b>	<b>176,060,680</b>	<b>641,452,878</b>

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

(b) 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 Iron and Steel Products Group of Industries for the year under review are shown in the above table.

(c) 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 4. Employees and Earnings in the Iron and Steel Products Group, by Industries, 1957 and 1958

Industry	Employees					Earnings		
	Supervisory and office		Production and related workers		Total employees	Supervisory and office	Production and related workers	Total earnings
	Male	Female	Male	Female				
	number					thousands of dollars		
1957								
Agricultural implements.....	1,992	532	7,624	123	10,271	11,234	28,044	39,278
Boilers and plate work.....	1,964	625	6,609	28	9,226	11,628	26,620	38,248
Bridge and structural steel work.....	3,020	663	12,279	12	15,974	19,080	51,876	70,956
Hardware, tools and cutlery.....	2,095	1,037	9,327	1,393	13,852	14,961	37,454	52,415
Heating and cooking apparatus.....	1,692	719	6,243	225	8,879	10,748	21,414	32,162
Iron castings.....	2,159	731	13,633	254	16,777	13,877	53,379	67,256
Machine shops.....	1,488	304	5,773	86	7,651	7,219	19,334	26,553
Machinery, household, office and store.....	1,667	764	6,248	986	9,665	10,544	25,341	35,885
Machine tools.....	289	93	1,177	-	1,559	1,931	4,355	6,286
Machinery, not elsewhere classified.....	6,572	2,334	18,158	627	27,691	38,726	70,466	109,192
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products).....	4,303	1,176	30,274	191	35,944	31,356	139,423	170,779
Sheet metal products.....	3,487	1,279	13,468	1,499	19,733	22,996	54,113	77,109
Wire and wire goods.....	1,546	625	6,920	741	9,832	10,786	28,574	39,360
Miscellaneous iron and steel.....	1,982	507	8,307	705	11,501	11,665	29,949	41,614
Totals.....	34,256	11,389	146,040	6,870	198,555	216,751	590,342	807,093
1958								
Agricultural implements.....	2,083	572	8,260	96	11,011	13,205	34,139	47,344
Boilers and plate work.....	1,826	526	5,562	35	7,949	11,832	22,704	34,536
Bridge and structural steel work.....	3,002	675	10,836	18	14,531	20,052	45,976	66,028
Hardware, tools and cutlery.....	2,201	1,103	8,684	1,460	13,448	15,953	35,176	51,129
Heating and cooking apparatus.....	1,693	697	6,045	235	8,670	11,130	21,738	32,868
Iron castings.....	2,071	704	12,062	244	15,081	13,830	47,347	61,777
Machine shops.....	1,474	355	5,096	84	7,009	7,709	18,810	26,519
Machinery, household, office and store.....	1,524	725	5,551	757	8,557	11,038	22,912	33,950
Machine tools.....	222	78	741	-	1,041	1,609	2,936	4,545
Machinery, not elsewhere classified.....	6,322	2,111	14,390	524	23,347	38,879	56,724	95,603
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products).....	4,266	1,095	24,728	172	30,261	32,620	115,403	148,023
Sheet metal products.....	3,324	1,356	12,927	1,500	19,107	23,267	54,868	78,134
Wire and wire goods.....	1,477	619	6,501	622	9,219	10,953	27,261	38,214
Miscellaneous iron and steel.....	2,012	507	7,043	647	10,209	12,124	26,977	39,101
Totals.....	33,497	11,123	128,426	6,394	179,440	224,200	532,973	757,173

TABLE 5. Employees and Earnings in the Iron and Steel Products Group, by Provinces, 1957 and 1958

Province	Employees					Earnings		
	Supervisory and office		Production and related workers		Total	Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	number					thousands of dollars		
1957								
Newfoundland .....	35	10	218	1	264	172	652	824
Prince Edward Island .....	8	1	20	—	29	24	48	72
Nova Scotia.....	743	162	5,930	7	6,842	4,023	21,988	26,011
New Brunswick.....	172	87	1,004	15	1,278	1,065	2,552	3,617
Quebec.....	8,494	2,471	33,576	1,456	45,997	49,526	125,588	175,114
Ontario.....	20,963	7,700	89,939	4,998	123,601	139,061	379,537	518,598
Manitoba .....	991	248	4,113	52	5,404	5,743	14,053	19,796
Saskatchewan .....	149	38	534	1	722	769	1,782	2,551
Alberta.....	923	203	3,405	56	4,587	5,076	12,578	17,654
British Columbia and Yukon.....	1,778	469	7,301	283	9,831	11,292	31,564	42,856
Canada .....	34,256	11,389	146,040	6,870	198,555	216,751	590,342	807,093
1958								
Newfoundland .....	37	13	244	—	294	202	731	933
Prince Edward Island .....	9	1	20	—	30	26	51	77
Nova Scotia.....	700	150	5,074	3	5,927	4,231	19,555	23,786
New Brunswick.....	203	84	979	22	1,288	1,186	2,807	3,993
Quebec.....	8,083	2,285	29,114	1,340	40,822	49,410	109,982	159,392
Ontario.....	20,752	7,619	79,925	4,683	112,979	146,609	347,850	494,459
Manitoba .....	1,028	271	3,972	45	5,316	6,139	14,778	20,917
Saskatchewan .....	146	45	594	8	793	873	1,930	2,803
Alberta.....	933	218	3,054	67	4,272	5,312	11,553	16,865
British Columbia .....	1,606	437	5,450	226	7,719	10,212	23,734	33,946
Canada .....	33,497	11,123	128,426	6,394	179,440	224,200	532,973	757,173



TABLE 6. Wage-earners Employed in the Iron and Steel Products Group, by Months and by Industries,<sup>1</sup> 1958

Month	Agricultural implements	Boilers and plate work	Bridge and structural steel work	Hardware, tools and cutlery	Heating and cooking apparatus	Iron castings	Machine shops
number							
January .....	8,705	5,734	11,093	9,412	5,482	12,198	3,316
February .....	9,131	5,476	11,079	9,177	5,800	11,874	3,298
March .....	9,457	5,309	10,814	9,125	5,547	12,029	3,313
April .....	9,454	5,621	10,731	9,184	5,940	12,064	3,312
May .....	8,919	5,745	11,021	9,198	6,036	11,959	3,364
June .....	8,064	5,648	11,424	9,311	6,289	12,262	3,373
July .....	7,238	5,560	11,180	9,361	6,550	11,739	3,311
August .....	5,137	5,580	11,298	9,460	6,782	11,554	3,317
September .....	7,592	5,612	11,380	9,520	6,932	11,665	3,286
October .....	7,829	5,585	10,982	9,501	6,795	12,097	3,259
November .....	8,201	5,382	9,927	9,576	6,517	12,533	3,259
December .....	8,633	5,178	9,278	9,517	6,791	12,261	3,214
number							
	Machinery, household, office and store	Machine tools	Machinery n.e.c.	Primary iron and steel	Sheet metal products	Wire and wire goods	Miscellaneous iron and steel
January .....	6,530	863	15,308	26,171	12,822	6,587	6,999
February .....	6,385	749	14,756	26,278	12,676	6,527	6,721
March .....	6,410	750	14,657	26,327	12,905	6,605	6,568
April .....	6,294	743	14,612	26,476	13,387	6,735	6,495
May .....	6,185	720	14,604	26,293	14,019	7,023	6,726
June .....	6,169	759	14,451	26,735	14,649	7,037	6,854
July .....	5,955	765	14,408	26,978	14,923	6,908	6,708
August .....	6,253	746	14,050	20,417	15,046	7,099	6,904
September .....	6,201	728	14,257	19,927	15,114	7,063	7,087
October .....	6,113	668	14,301	19,963	14,672	6,939	6,951
November .....	6,092	686	14,321	26,856	14,308	7,157	6,569
December .....	6,028	718	14,158	26,408	13,518	7,246	6,336

<sup>1</sup> See footnote to Table 7.TABLE 7. Wage-earners Employed in the Iron and Steel Products Group, by Months and by Provinces,<sup>1</sup> 1958

Month	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia
number										
January .....	206	16	5,339	692	30,008	83,370	3,358	401	2,625	5,205
February .....	207	16	5,193	676	29,565	82,377	3,471	420	2,589	5,213
March .....	205	17	5,897	852	29,114	82,830	3,511	449	2,588	5,354
April .....	210	17	4,790	902	28,997	84,090	3,628	495	2,645	5,273
May .....	229	17	4,746	966	28,957	84,587	3,711	515	2,812	5,272
June .....	222	17	4,845	988	29,460	84,772	3,937	515	2,913	5,356
July .....	221	18	5,007	1,034	29,105	83,442	3,976	501	3,034	5,246
August .....	236	17	5,134	1,024	28,837	75,384	4,109	500	3,202	5,178
September .....	238	17	5,372	1,051	29,011	77,907	4,127	511	3,167	4,983
October .....	243	17	5,177	1,019	28,679	77,915	4,152	482	3,098	4,873
November .....	231	17	4,833	969	27,976	85,435	3,744	477	2,962	4,740
December .....	209	17	4,377	791	27,265	64,015	3,687	495	2,887	4,541

<sup>1</sup> Data for 1958 are not strictly comparable with those for previous years since they relate only to establishments regularly reporting value of factory shipments of \$100,000 and over. For total average number of production workers in 1958 (including estimate for small firms) see Table 5.

TABLE 8. Alphabetical List of Materials Used in the Industries in the Iron and Steel Products Group, 1957 and 1958

Material		1957		1958	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Acid:					
Muriatic	lb.	3,696,147	104,860	4,086,199	129,550
Sulphuric	"	66,071,545	925,102	74,600,114	1,034,108
Aluminum all forms	"	54,561,769	27,114,447	60,188,728	29,150,113
Axles, old, for re-rolling	ton	10,257	536,812	6,222	314,419
Babbitt metal and solders	lb.	2,824,525	972,201	2,612,774	764,115
Bars and rods, iron and steel (except alloy)	ton	375,659	55,839,209	377,713	51,207,146
Bentonite	"	6,593	233,686	4,201	158,463
Billets and slabs, steel:					
Companies' own make	"	110,314	—	88,203	—
Purchased	"	217,317	20,646,525	185,999	18,676,375
Brass and bronze, all forms	lb.	24,378,688	12,162,888	23,116,038	11,193,631
Calcium molybdate and molybdenum trioxide briquettes	ton	360	549,575	246	442,391
Calcium manganese silicon	"	164	88,116	105	57,563
Calcium silicon	"	254	142,312	214	112,860
Castings:					
Iron (gray and malleable)	"	65,897	18,637,348	71,403	19,276,432
Steel	"	22,039	10,627,456	22,528	10,130,926
Charcoal for steel and ferro-alloy furnaces	"	39	3,287	19	1,612
Coal:					
Anthracite, for steel and ferro-alloy furnaces	"	24,628	339,977	8,597	121,115
Bituminous, for steel and ferro-alloy furnaces	"	48,489	702,099	22,836	352,054
Coke (charged to blast furnaces, cupolas, etc.)	"	3,359,835	53,280,984	2,614,492	41,888,164
Coke, petroleum	"	68,704	1,729,997	49,486	1,023,852
Copper, all forms	lb.	7,671,864	4,003,173	6,546,120	3,271,496
Core oil	Imp. gal.	225,547	271,590	198,967	243,849
Cork discs (for bottle caps)	"	..	1,504,497	..	1,240,125
Cotton, duck and other textiles for farm implements	"	..	724,039	..	470,795
Dolomite	ton	498,558	3,357,064	377,152	2,765,480
Diamonds (Industrial)	"	..	1,630,086	..	944,870
Electrodes, for steel and ferro-alloy furnaces	"	..	3,801,794	..	2,479,109
Ferro-alloys used in steel furnaces, etc.:					
Ferrochrome, including chrom-x	ton	7,000	3,272,754	4,714	2,153,258
Ferromanganese	"	37,906	10,137,696	31,242	7,874,648
Ferrosilicon	"	13,088	1,879,541	9,420	1,449,780
Ferrophosphorus	"	117	12,463	204	20,296
Ferrotitanium	"	252	82,258	210	76,689
Ferrotungsten	"	34	100,357	38	81,061
Silicomanganese	"	8,268	2,155,878	6,300	1,622,383
Spiegeleisen	"	46	3,868	157	12,110
Ferromolybdenum	"	155	350,109	88	210,109
Ferrovandium	"	98	364,424	71	252,741
Other ferro-alloys	"	..	2,085,900	..	1,971,636
Firebrick (also see next item)	"	..	681,414	..	686,399
Firebrick, fireclay and cupola blocks, (not shown separately)	"	..	11,918,718	..	10,059,165
Fireclay (also see previous item)	ton	10,778	230,735	11,990	234,773
Fluorspar used in steel and ferro-alloy furnaces	"	16,935	534,540	14,539	425,058
Ganister	"	4,580	25,187	4,226	23,252
Handles for tools	"	..	752,714	..	846,694
Ingot and blooms, steel:					
Companies' own make (value not given)	ton	4,842,255	—	4,226,714	—
Purchased	"	835	317,000	748	260,000
Iron pig:					
Companies' own make (value not given)	"	2,865,366	—	2,602,751	—
Purchased	"	256,222	15,686,987	198,673	12,342,716
Iron and steel, n.e.s.	"	..	26,383,799	..	23,616,565
Lead, all forms	lb.	2,064,306	382,420	1,914,290	283,999
Lime	ton	150,820	2,150,100	155,539	2,188,420
Limestone used in iron, steel and ferro-alloy furnaces	"	1,308,144	2,844,802	888,416	1,974,983
Linseed oil	Imp. gal.	53,211	67,728	44,580	60,718
Lumber	M ft. b.m.	43,803	4,722,312	36,920	4,013,235
Magnesite used in steel furnaces	ton	9,062	607,987	6,186	414,789
Metals, non-ferrous, n.e.s.	"	..	2,974,459	..	2,776,039
Mill cinder, scale, slag, etc.	ton	200,552	792,763	160,746	940,396
Nail plate:					
Companies' own make	lb.	1,389,155	101,801	1,199,398	101,600
Purchased	"	..	..	..	..
Nickel, all forms (except nickel-copper shot)	lb.	6,599,061	4,644,774	3,256,263	2,997,149
Ore:					
Iron, beneficiated	ton	2,209,097	23,867,168	2,182,364	25,215,130
Iron, crude	"	4,942,193	49,925,557	3,646,267	38,160,816
Tungsten	"	49	97,686	110	81,783
Paints, oils and varnishes	"	..	7,394,355	..	8,188,209
Pipe, tubes and fittings, iron and steel (except boiler tubes)	"	..	18,665,109	..	16,118,290
Plates, steel (3/16" and thicker, except alloy)	ton	301,517	48,513,722	256,858	42,272,787
Plumbago and graphite	lb.	5,100,778	304,424	2,936,391	188,107
Quartzite for ferro-alloys	ton	135,634	391,301	61,337	176,077
Rails, old, for re-rolling	"	68,075	4,070,362	58,277	2,899,499
Rods, steel wire, for drawing:					
Companies' own make	ton	201,808	26,139,751	174,320	22,918,170
Purchased	"	109,478	11,301,205	150,741	17,697,577
Salammoniac (ammonium chloride)	lb.	291,978	24,421	352,030	33,264
Sands, foundry (including silica sand for sand blasting)	ton	329,334	2,667,992	258,162	2,128,264

**TABLE 8. Alphabetical List of Materials Used in the Industries in the Iron and Steel Products Group, 1957 and 1958 - Concluded**

Material	1957		1958	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Scrap iron and steel:				
Companies' own make used in steel furnaces (value not given)..... ton	1,307,068	—	1,112,744	—
Companies' own make used in iron foundries .....	36,898	1,416,316	30,620	1,134,060
Purchased .....	1,876,497	76,205,405	1,519,358	48,218,931
Sheets, steel (except alloy):				
Galvanized .....	140,167	27,219,127	149,998	28,536,599
Plain (black).....	324,803	49,353,798	325,646	50,083,198
Tin plate .....	263,516	51,648,645	297,617	56,921,119
Sodium nitrate .....	647	36,898	545	27,114
Strip, steel (except alloy).....	40,609	7,209,209	44,165	7,956,209
Structural shapes, steel .....	541,584	80,651,694	444,984	66,972,359
Steel, alloy all kinds .....	—	30,494,409	..	26,794,452
Steel, sheet and strip, hot or cold rolled for pipes and tubes..... ton	561,064	69,535,834	491,129	63,555,911
Sulphur.....	83	15,097	58	11,771
Tackplate:				
Companies' own make .....	819,695	58,413	637,310	52,387
Purchased .....	1,659,388	140,757	1,770,399	157,136
Tin .....	6,574,206	6,217,167	3,918,060	3,657,549
Tubes, boiler, lap-welded and seamless .....	—	3,439,471	—	—
Tungsten carbide powder .....	..	973,299	..	565,439
Wire, iron and steel, plain, galvanized and coated, other .....	124,394	26,236,122	112,678	25,183,059
Zinc, all forms .....	56,797,072	7,537,828	62,229,579	7,038,654
Containers and packing materials .....	...	15,717,404	...	17,057,891
All other materials .....	...	423,256,070	...	413,268,138
<b>Totals .....</b>	<b>...</b>	<b>1,386,920,624</b>	<b>...</b>	<b>1,270,710,220</b>

**TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1957 and 1958**

**Note:** The figures given below represent the total factory shipments in Canada of the commodities which are listed, although in some instances part of the output was by concerns which were classified to industries in other major groups.

Product	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
		\$		\$
Axes and hatchets .....	No. 406,000	881,000	324,000	722,000
Bale ties, wire:				
Quantity made .....	ton 3,468	—	3,430	—
Quantity sold .....	" 3,466	920,476	3,557	989,382
Barrels and drums, steel: <sup>1</sup>				
Repeat shippers .....	No. 87,633	844,250	51,504	523,708
One-time shippers .....	" 1,104,869	3,984,077	1,112,810	4,409,680
Bars, steel, hot-rolled, all kinds:				
Quantity made .....	ton 865,533	—	705,073	—
Quantity sold .....	" 718,864	107,391,265	585,016	86,215,757
Binders, grain .....	No. 65	12,644	—	—
Blooms, billets and slabs, steel:				
(a) Except for forging:				
Quantity made .....	..	—	..	—
Quantity sold .....	ton 141,062	11,153,452	101,343	8,245,163
(b) For forging:				
Quantity made .....	" 156,065	—	171,217	—
Quantity sold .....	" 146,407	17,108,405	166,079	20,274,609
Boilers:				
Heating boilers:				
Cast iron sectional:				
(a) Under 775 sq. ft. ....	No. 6,727	1,066,634	6,437	1,329,900
(b) 776-1,499 sq. ft. ....	" 2,285	956,154	2,309	887,968
(c) 1,500 sq. ft. and over ..	" 1,261	1,154,502	1,237	1,212,918
Steel:				
(a) 522 sq. ft. and under (heating surface).....	" 7,675	3,272,353	8,665	4,961,020
(b) Over 522 sq. ft. (heating surface) .....	" 817	3,029,171	449	2,286,669
Power boilers:				
Water tube package boiler units .....	" 129	3,805,586	102	4,519,790
Fire tube package boiler units .....	" 201	964,876	60	531,229
Firetube boilers .....	" 31	207,082	42	290,694
Marine type .....	" 51	313,465	283	1,149,205
Boilers, type not specified .....	—	9,103,086	—	10,350,217

See footnotes at end of table.



TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1957 and 1958 - Continued

Product		1957		1958	
		Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
			\$		\$
Bottle caps, metal .....		—	13,990,000	..	14,491,456
Cans, metal .....		—	97,521,000	..	107,125,000
Castings, iron (except pipe and fittings):					
Grey and white .....	ton	561,000	—	468,000	—
Malleable .....	"	45,000	—	36,000	—
Castings:					
Steel:					
Quantity made .....	ton	136,739	—	97,344	—
Quantity sold .....	"	132,167	59,328,100	95,759	41,482,731
Cultivators .....	No.	11,222	3,627,464	12,606	3,323,643
Cutlery, steel (paring knives, bread knives, scissors, etc.) .....		..	2,757,000	..	2,621,744
Drills, seeding .....	No.	994	497,724	606	93,763
Eavestrough .....		..	2,694,000	..	2,957,000
Fencing, steel wire:					
Farm .....	ton	11,477	2,439,553	13,390	2,933,424
Lawn .....	"	1,384	381,089	1,546	404,761
Chain link fabric .....	"	6,084	1,704,089	7,135	1,863,531
Ferro-alloys .....	"	204,483	—	112,589	—
Forks, farm or garden, hand .....	No.	264,000	468,000	216,428	481,000
Furnaces, warm air .....	"	143,838	27,638,126	171,886	31,478,775
Hardware:					
Builders' and shelf .....		—	18,080,000	..	19,787,301
Harness and saddlery .....		—	170,000	..	129,240
Pole line (except insulators) .....		—	11,988,000	..	12,305,422
Automobile .....		—	7,884,000	..	7,224,991
Furniture and cabinet .....		—	5,825,000	..	6,525,942
Trunk and suitcase .....		—	473,000	..	441,418
Other .....		—	4,707,000	..	5,023,523
Harrows, all kinds except harrow-plows .....	No.	49,602	3,115,134	35,549	3,969,211
Harrow-plows, one-way discs and tiller-combines .....	"	4,403	3,140,278	4,158	2,756,107
Hay loaders .....	"	212	54,052	149	30,525
Hay rakes, including combination side rakes and tedders .....	"	7,204	2,079,695	8,784	4,872,487
Heaters, domestic water-tank:					
Cast iron for coal, wood or oil (120 gallons or less) .....	"	520	47,697	988	151,318
Gas, automatic .....	"	43,013	2,851,537	81,725	5,911,895
Gas, not automatic .....	"	9,979	447,956	8,339	354,433
Electric, circulating type .....	"	21,139	158,727	23,518	140,164
Electric, immersion type .....	"	228,978	594,513	289,285	704,824
Clamp-on type .....	"	11,867	55,560	12,966	61,653
Electric, automatic storage tank type, including tank and controls .....	"	60,701	4,024,437	85,281	5,508,107
Heaters, unit, all types .....	"	25,717	6,561,433	17,478	4,120,942
Hoes, hand .....	"	153,000	216,000	120,238	183,000
Ingots, steel:					
Quantity made .....	ton	4,931,410	—	4,262,122	—
Quantity sold .....	"	55,639	6,225,773	9,492	1,098,363
Iron, pig:					
Quantity made .....	"	3,718,350	—	3,059,579	—
Quantity sold .....	"	734,353	40,953,372	429,708	24,878,802
Kitchenware:					
Aluminum .....		..	6,802,000	..	7,293,000
Enamelled .....		..	1,265,000	..	758,339
Stainless steel .....		..	1,964,000	..	2,882,411
Lath and corner bead, metal .....		..	4,136,000	..	4,691,000
Compressors and pumps:					
Air compressors:					
Stationary type .....		..	7,527,000	..	4,985,000
Portable type .....		..	1,183,000	..	1,823,000
Pumps:					
Centrifugal .....		..	9,249,000	..	7,817,000
Cistern and pitcher .....		..	68,000	..	61,000
Deep well .....	10,464	735	242,000	8,345	252,000
Rotary .....		..	1,099,000	..	439,000
Sump .....	26,782	..	1,121,000	29,130	968,000
Vacuum .....	..	..	387,000	..	171,000
Pump jacks .....	2,320	..	86,000	..	127,000
Hand pumps .....	26,099	..	266,000	..	354,000
Self-contained household water pumping systems:					
Deep well and shallow jets .....	23,410	..	2,147,000	30,257	2,746,000
Shallow well - Non-jet .....	31,707	..	2,671,000	31,501	2,927,000
Other power pumps; including direct-acting steam piston and electric .....	..	..	4,860,000	..	5,577,000
Pumps parts and accessories .....	..	..	4,448,000	..	4,091,000

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1957 and 1958 — Continued

Product	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
		\$		\$
Conveying, elevating and materials handling equipment:				
Conveyors and conveying systems:				
Gravity conveyors, (including straight and spiral chutes) .....	—	2,387,000	..	1,366,000
Portable conveyor units .....	—	836,000	..	581,000
Power conveyors:				
Belt type .....	—	11,992,000	..	8,764,000
Bucket type .....	—	2,031,000	..	1,262,000
Other conveyors, including pneumatic tube systems and parts .....	—	4,777,000	...	4,152,000
Elevators, including passenger, freight, sidewalk, dumb-waiters, escalators and parts .....	—	14,599,000	...	14,377,000
Hoisting machinery (except mine hoists):				
Cranes with swinging booms .....	33	1,994,000		
Chain blocks and trolleys .....	—	1,568,000		
Electric overhead travelling cranes .....	—	9,851,000		
Monorail electric hoists .....	—	453,000		
Monorail systems .....	—	1,204,000		
Hand cranes .....	—	296,000		
Winches .....	—	2,091,000		
Other hoisting machinery, including derricks and parts .....	—	3,010,000		
Powered overhead travelling cranes .....			..	8,336,000
Other cranes .....			..	723,000
Chain blocks and trolleys .....	See above for 1957 breakdown		..	1,130,000
Monorail electric hoists .....			..	370,000
Monorail systems .....			..	371,000
Industrial hoists and lifts, stationary .....			..	247,000
Winches .....			..	758,000
Other hoisting machinery .....			..	1,815,000
Attachments and parts for hoisting machinery .....			..	203,000
Industrial trucks, tractors, trailers and stackers:				
Hand trucks (including dollies) .....	—	804,000	..	1,541,000
Lift trucks and cranes .....	—	1,386,000	..	1,371,000
Other industrial tractors, stackers, including powered types .....	—	2,594,000	..	1,648,000
Miscellaneous materials handling equipment .....	—	6,197,000	..	4,127,000
Drilling, excavating, mining and related machinery:				
Rock drilling, earth boring and related machinery:				
Rock drills, including diamond drills .....	—	2,948,000	..	2,265,000
Diamond drill bits .....	—	3,914,000	..	2,558,000
Tungsten carbide drill bits .....	—	8,466,000	..	6,789,000
Other drill bits .....	—	960,000	..	533,000
Other rock drilling, earth boring and related machinery and parts .....	—	6,618,000	..	7,664,000
Mining and ore processing machinery:				
Ball and rod mills .....	—	2,362,000	..	1,356,000
Classifiers .....	—	764,000	..	255,000
Crushers, jaw and gyratory .....	—	2,253,000	..	1,950,000
Hoists (mine hoists only) .....	—	6,727,000	..	1,377,000
Mine cars .....	1,797	1,502,000	860	1,207,000
Skips and cages .....	—	718,000	..	540,000
All other mining and ore processing machinery including agitators, coal cutting machines, filters flotation machines, screens, thickeners, etc. and parts .....	—	18,894,000	...	12,113,000
Construction, excavating, dredging and loading equipment:				
Power excavators (power shovels) .....	111	3,327,000	183	6,550,000
Bulldozing, angle-doing and similar equipment .....	—	214,000	..	488,000
Scrapers and pull or push type graders .....	—	135,000	..	110,000
Graders, self propelled type .....	182	2,882,000	190	3,080,000
Snow ploughs .....	—	897,000	..	1,172,000
Concrete mixer-agitators, truck type .....	158	707,000	132	721,000
Concrete, plaster and mortar mixers, other .....	3,113	709,000	3,685	530,000
Other mixing and paving equipment (concrete and bituminous) .....	—	432,000	...	650,000
Other construction machinery, including pneumatic hammers, demountable scaffolding etc. and parts .....	—	2,718,000	...	3,296,000
Other excavating machinery and parts .....	—	8,100,000	...	5,603,000
Other road and airport construction and maintenance machinery, including snow blowers, flushers, etc. and parts .....	—	3,226,000	...	2,923,000
Engines (excluding aircraft and automobile types):				
Turbines, hydraulic and steam .....	—	14,643,000	..	19,138,000
Diesel .....	162	5,239,000	525	9,718,000
Gasoline, including outboard, industrial, etc. .....	104,918	15,638,000	101,986	17,172,000
Steam .....	—	—	..	1,061,000
Engine parts:				
For diesel engines .....	—	1,272,000	...	1,184,000
For gasoline engines .....	—	1,357,000	...	710,000
For marine engines .....	—	1,643,000	...	2,237,000
Fire fighting equipment:				
Pumpers .....	72	1,292,000	97	1,579,000
Other fire-fighting equipment, including hose trucks, ladder trucks, etc. ....	—	2,371,000	...	2,348,000
Food products machinery (including beverages and tobacco) machinery:				
Bakers' machinery:				
Mixing machines .....	691	692,000	658	767,000
Ovens .....	183	583,000	638	825,000
Other bakers' machinery and parts .....	—	547,000	...	747,000
Dairy and milk products plant machinery, excluding milking machines .....	—	1,992,000	...	2,310,000
Flour and grist mill machinery .....	—	221,000	...	405,000
Other food products machinery and parts, including milking machines .....	—	2,773,000	...	2,926,000
Foundry equipment .....	—	719,000	...	312,000



TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1957 and 1958 - Continued

Product	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
Household machinery (except refrigeration and air conditioning equipment):				
Washing machines:				
Electric:				
Automatic type .....	52,569	10,313,000	60,326	11,984,000
Apartment type .....	86	10,000	..	..
Conventional type .....	220,546	20,273,000	234,200	21,801,000
Gasoline type .....	3,546	415,000	3,686	432,000
Ironers, electric .....	2,740	310,000	1,754	230,000
Floor polishers, electric .....	205,525	6,560,000	218,747	6,744,000
Dryers, clothes, automatic electric .....	65,950	9,191,000	81,868	10,693,000
Vacuum cleaners:				
Electric:				
Floor models .....	22,516	1,681,000	25,310	1,741,000
Cylinder models .....	126,252	7,052,000	132,201	8,049,000
Other household machinery (including sewing machines, dishwashers, etc.) and parts .....	..	22,105,000	..	22,265,000
Metal-working machinery:				
Machine tools, metal-working:				
Boring machines .....	4	4	4	4
Broaching machines .....	4	4	4	4
Drilling machines .....	4	4	4	4
Grinding machines and grinders .....	174	122,000	569	316,000
Hammers (forging) .....	4	4	4	4
Lathes, engine and turret .....	93	588,000	92	869,000
Milling machines .....	4	4	4	4
Presses .....	-	1,635,000	..	2,698,000
Punching machines .....	4	4	4	4
Rolls, bending and straightening .....	434	228,000	399	161,000
Shapers .....	4	4	4	4
Shearing machines .....	217	292,000	221	184,000
Thread-cutting machines .....	4	4	4	4
Other machine tools .....	-	3,181,000	..	2,071,000
Machine tool parts and accessories .....	-	3,277,000	..	1,455,000
Metal-working machinery (except machine tools), including rolling mill machinery .....	-	4,085,000	..	4,918,000
Office, store and business machinery:				
Accounting machines .....	5	5	5	5
Adding machines .....	5	5	5	5
Addressing and mailing machines .....	18,641	3,075,000	14,610	2,273,000
Cash registers .....	5	5	5	5
Calculating machines .....	5	5	5	5
Card-sorting and tabulating machines .....	5	5	5	5
Duplicating machines .....	5	5	5	5
Bread-slicing machines .....	6	6	6	6
Meat-slicing machines .....	6	6	6	6
Scales:				
For stores, homes and offices .....	95,955	1,115,000	98,947	1,371,000
Industrial:				
Bench or portable type .....	3,256	1,286,000	3,887	1,000,000
Built-in or pit type .....	436	1,033,000	577	1,009,000
Typewriters:				
Standard, including long carriage .....	38,885	6,648,000	28,131	4,658,000
Portable .....	60,830	3,488,000	44,668	2,834,000
Electric .....	12,254	5,061,000	9,663	4,187,000
Time recording, job recording and time stamping machines .....	5	5	5	5
Other office and business machinery .....	-	27,335,000	..	29,293,000
Other store machinery .....	-	907,000	..	982,000
Parts for office, store and business machinery .....	-	7,987,000	..	6,843,000
Printing and bookbinding machinery and parts .....	-	1,401,000	..	1,247,000
Pulp and paper industries machinery and parts .....	-	33,358,000	..	14,659,000
Refrigeration and air conditioning equipment:				
Refrigeration equipment:				
Household refrigerators:				
Household mechanical refrigerators, complete units (electric and gas), all sizes .....	235,539	42,430,000	226,523	39,759,000
Self-contained units:				
Milk coolers, all sizes .....	375	88,000	529	94,000
Ice-cream cabinets, all sizes .....	2,322	867,000	1,086	371,000
Beverage coolers, all sizes .....	5,852	1,511,000	3,720	1,175,000
Water-coolers, all sizes .....	68	34,000	40	20,000
Freezers - Frosted food cabinets .....	8	8,000	1,870	384,000
Home freezers, all sizes .....	20,908	4,619,000	31,685	6,714,000
Fixtures:				
Display cases, normal temperature .....	2,637	1,750,000	2,202	1,750,000
Low-temperature refrigerators .....	687	643,000	829	763,000
Reach-in refrigerators (remote only) .....	251	172,000	433	271,000
Sectional walk-in coolers, all types .....	763	963,000	852	1,024,000
Self-contained commercial refrigerator products:				
Display cases, all sizes .....	1,686	1,167,000	698	754,000
Reach-ins, all sizes .....	584	335,000	546	314,000
Evaporators:				
Unit cooler type, all sizes .....	-	350,000	..	526,000
Fin coils, all sizes .....	-	431,000	2,863	482,000
Ice-makers .....	-	34,000	627	11,000

See footnotes at end of table.



TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1957 and 1958 - Continued

Product	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
Refrigeration and air conditioning equipment - Concluded:				
Refrigeration equipment - Concluded:				
Compressors and condensing units:				
Domestic, for assembly in individual household cabinets.....	35,123	1,589,000	48,212	1,473,000
Commercial - Low pressure and ammonia.....	3,013	607,000	3,139	1,142,000
Evaporative condensers:				
Low pressure.....	-	917,000	..	191,000
Ammonia.....	-	-	..	25,000
All other refrigeration equipment.....	-	7,556,000	...	5,505,000
Air conditioning equipment:				
Room air-conditioners, window type.....	4,091	837,000	1,644	396,000
Self-contained air conditioners, except window type - 2-5 hp.....	230	304,000	133	241,000
Over 5 hp. ....	-	-	-	-
Air conditioners - Central plant - Domestic.....	-	6,469,000	...	7,072,000
Other air conditioning equipment, including parts, components and accessories	-	-	-	-
Service industry equipment (including vending machines):				
Commercial laundry and dry cleaning equipment.....	-	1,698,000	..	1,727,000
Vending machines.....	-	123,000	..	187,000
Service station and garage equipment:				
Auto lifts.....	2,456	1,547,000	2,204	1,422,000
Gasoline-dispensing pumps.....	8,342	4,354,000	8,002	4,908,000
Other garage equipment.....	-	1,014,000	..	715,000
Other service industry machinery.....	-	3,120,000	..	1,094,000
Ships' machinery and fittings (except winches).....	-	7,935,000	...	4,609,000
Textile industries machinery and parts.....	-	350,000	..	266,000
Transmission equipment and bearings:				
Bearings, ball and roller, and parts.....	-	10,386,000	..	10,334,000
Cut tooth and cast tooth gears.....	-	2,700,000	..	2,174,000
Flexible couplings.....	-	775,000	..	521,000
Pulleys.....	-	512,000	..	598,000
Sprocket chain and drive chain.....	-	1,848,000	..	1,723,000
Speed reducer units.....	-	3,656,000	..	2,374,000
Other transmission machinery and parts.....	-	4,400,000	...	3,984,000
Water and sewage treatment equipment:				
Domestic water softeners.....	8,610	916,000	9,050	810,000
Other water and sewage treatment equipment and parts.....	-	2,916,000	...	2,728,000
Woodworking machinery (excluding power driven hand tools and home workshop tools):				
Band sawing machines.....	66	210,000	40	199,000
Lathes.....	6	6,000	-	-
Moulders.....	-	-	-	-
Planers.....	100	186,000	135	172,000
Rip and cross cut saws.....	26	31,000	53	25,000
Tenoners.....	27	34,000	16	18,000
Other wood-working machinery and parts.....	-	1,659,000	...	806,000
General purpose industrial machinery:				
Wrapping and packaging machinery and parts.....	-	934,000	..	535,000
Crushing, pulverizing, scouring and mixing machinery and parts.....	-	1,713,000	..	1,088,000
Other general purpose industrial machinery and parts.....	-	6,017,000	..	10,514,000
Ventilating, exhaust and dust-collecting equipment.....	-	10,404,000	..	10,154,000
Special industry machinery:				
Rubber-working machinery.....	-	1,865,000	..	1,343,000
Cement mill machinery.....	-	1,492,000	..	277,000
Saw-mill machinery, including lumber handling equipment.....	-	3,324,000	..	3,618,000
Logging, machinery.....	-	1,412,000	..	969,000
Grain elevator machinery.....	-	1,859,000	..	1,731,000
Other special industry machinery and parts.....	-	12,872,000	...	9,337,000
Electrical machinery:				
Converter equipment (excluding rectifiers):				
Motor-generator sets - A.C. to D.C. ....	334	4,595,000	212	2,210,000
Frequency changer sets - A.C. to D.C. ....	-	85,000	14	94,000
Parts and supplies for converter equipment.....	-	556,000	...	330,000
Generators and parts (excluding automobile generators, engine-driven generator sets and motor-generator sets):				
A.C.:				
200 kva. and under, any speed.....	9	15,000	4	16,000
201 kva. to 1000 kva., any speed.....	20	163,000	21	282,000
A.C., 1001 kva. and above, all speeds.....	47	16,877,000	73	27,128,000
D.C. and including exciters:				
Under 1/2 kw. ....	9	9	9	9
1 kw. to 1000 kw. ....	9	9	9	9
1001 kw. and over.....	-	-	-	-
Accessories and parts for generators.....	-	935,000	...	235,000

See footnotes at end of table.

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1957 and 1958 - Continued

Product	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
	No.	\$	No.	\$
A.C. Motors (except for railway and vehicle use):				
Single phase induction:				
1/2 hp. and under (except shaded pole or universal motors)	976,516	13,619,000	991,328	13,285,000
1/2 hp. and 3/4 hp.	77,026	2,517,000	73,789	2,220,000
1 hp. to 5 hp. inclusive-open type	14,100	1,633,000	10,825	1,131,000
1 hp. to 5 hp. inclusive-enclosed type	951	129,000	1,193	144,000
Polyphase induction:				
1/2 hp. and under	3,703	112,000	3,745	124,000
1/2 hp. and 3/4 hp.	12,058	524,000	8,552	384,000
1 hp. to 5 hp. inclusive-open type	22,678	2,030,000	16,142	1,332,000
1 hp. to 5 hp. inclusive-enclosed type	9,870	1,119,000	7,255	759,000
6 hp. to 25 hp. inclusive-open type	6,154	1,708,000	4,179	912,000
6 hp. to 25 hp. inclusive-enclosed type	5,918	1,858,000	4,429	1,213,000
26 hp. to 100 hp. inclusive-open type	2,398	2,229,000	1,536	1,206,000
26 hp. to 100 hp. inclusive-enclosed type	1,324	1,470,000	1,256	1,181,000
101 hp. to 200 hp. inclusive-open type	515	1,417,000	324	941,000
101 hp. to 200 hp. inclusive-enclosed type	271	1,384,000	139	520,000
201 hp. to 1,000 hp. inclusive	457	4,824,000	360	3,085,000
1,001 hp. and over				
Synchronous motors and condensers:				
up to and including 200 hp. or kva.	38	179,000	14	52,000
201 hp. or kva. to 1,000 hp. or kva.	124	1,051,000	44	610,000
1,001 hp. or kva. and over	39	1,787,000	14	378,000
Accessories and parts for A.C. motors	—	796,000	—	581,000
Railway and vehicle motors, A.C. and D.C.	—	—	—	—
Shaded pole type motors, all ratings	306,993	1,371,000	187,283	1,029,000
Universal type motors, all ratings	—	—	—	—
D.C. models and generators, including exciters, (except for railway and vehicle use):				
D.C. motors — 1/2 kw. and under	415,294	1,256,000	377,290	1,266,000
1/2 kw. and 3/4 kw.	525	79,000	222	43,000
D.C. motors or generators:				
1 hp. or kw. to 5 hp. or kw.	450	114,000	363	126,000
6 hp. or kw. to 25 hp. or kw.	181	206,000	344	560,000
26 hp. or kw. to 100 hp. or kw.	252	1,092,000	426	1,384,000
101 hp. or kw. to 200 hp. or kw.	184	1,188,000	45	464,000
201 hp. or kw. to 1,000 hp. or kw.	218	3,660,000	80	1,874,000
1,001 hp. or kw. and over	—	—	—	—
All other motors or generators	—	7,881,000 <sup>11</sup>	—	7,492,000 <sup>11</sup>
Accessories and parts for D.C. motors and generators	—	2,310,000	—	503,000
Electrical appliances, motor driven, not elsewhere specified, including shavers, fans, hair clippers, food mixers, electric clocks, etc.	—	11,825,000	—	11,661,000
Welding machinery, electric	—	4,165,000	—	3,545,000
Miscellaneous machinery:				
Blowers for domestic furnaces	152,723	2,029,000	180,026	2,306,000
Cream separators	351	45,000	62	6,000
Gas conversion burners	9,364	809,000	10,357	802,000
Lawn mowers:				
Hand	10,429	118,000	6,457	62,000
Power	134,534	6,168,000	154,208	6,561,000
Oil burners, power:				
Domestic	93,794	7,656,000	99,745	7,726,000
Commercial and industrial	468	629,000	2,445	1,346,000
Power tools, hobby and home workshop	—	1,704,000	—	4,025,000
Saws, power chain, and parts	—	9,746,000	—	7,170,000
Stokers:				
Domestic	754	226,000	691	191,000
Commercial and industrial	485	878,000	408	886,000
All other machinery and parts, not separately specified	—	21,674,000	—	29,608,000
Manure spreaders	No. 3,643	1,347,669	4,165	1,646,068
Mowers, hay	" 12,225	3,003,322	17,028	4,215,132
Nails and spikes:				
Wire:				
Quantity made (kegs of 100 pounds)	1,382,635	—	1,659,325	—
Quantity sold (kegs of 100 pounds)	1,397,001	13,941,686	1,658,129	16,364,801
Peavies, canthooks and pike poles	—	302,000	—	232,000
Pipe and tubing:				
Cast iron soil pipe	ton 66,000	12,540,000	71,000	13,632,000
Cast iron water pipe and fittings	" 96,000	14,228,000	130,000	19,113,000
Cast iron pipe fittings, all other, including flanges and flange fittings	" 9,900	4,320,000	10,400	4,149,000
Malleable iron pipe fittings of all kinds, including railing fittings	" 8,500	6,439,000	7,800	5,851,000
Steel pipe and tubing	" 612,400	132,178,000	537,900	117,805,000
Steel pipe fittings, all kinds	" 13,600	10,216,000	13,300	8,924,000
Steel pipe, rivetted or welded (from plate):				
Stainless steel	" 1,000	2,503,000	700	1,232,000
Other steel	" 6,900	2,367,000	12,200	3,577,000
Culvert pipe formed from steel sheets	" 56,100	18,786,000	59,600	19,634,000
Pipe, stove and furnace	—	3,812,000	—	3,970,000

See footnotes at end of table.

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1957 and 1958 - Continued

Product		1957		1958	
		Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
		No.	\$	No.	\$
Planters, corn .....	No.	2,079	454,278	810	252,513
Plates, steel:					
Quantity made .....	ton	349,626	—	230,309	—
Quantity sold .....	"	344,616	45,017,409	226,750	30,818,858
Plows, all kinds .....	No.	13,848	2,269,105	38,248	2,993,323
Radiators, heating:					
Standing type, cast iron and pressed steel (excluding tube and fin types) ..	sq. ft.	3,692,980	2,791,111	3,209,793	2,319,521
Baseboard type, cast iron, pressed steel and other fabricated metal .....	"	4,340,047	3,317,150	6,480,608	4,572,077
Concealed type, cast iron, pressed steel and other fabricated metal .....	"	7,115,868	4,779,040	6,497,917	5,331,750
Rails, steel:					
Quantity made .....	ton	393,926	—	365,429	—
Quantity sold .....	"	383,174	39,978,592	377,604	41,586,604
Railway fish plates and splice bars:					
Quantity made .....	"	17,022	—	14,078	—
Quantity sold .....	"	16,793	2,502,295	14,088	2,066,753
Railway tie plates:					
Quantity made .....	"	78,555	—	56,118	—
Quantity sold .....	"	80,575	10,148,065	56,189	7,338,111
Rakes, hand .....	No.	314,000	504,000	131,802	213,000
Range boilers, domestic:					
Galvanized .....	"	136,223	2,191,682	164,946	2,495,190
Copper, everdur and monel .....	"	8,502	487,018	19,776	699,639
Razor blades, safety .....	000's	178,238	3,813,000	184,262	4,180,000
Registers and grills, warm air .....		—	2,837,621	—	3,192,205
Rods, welding .....	ton	20,199	7,675,000	18,474	7,436,000
Rods, wire:					
Quantity made .....	"	291,300 <sup>1</sup>	—	268,848 <sup>1</sup>	—
Quantity sold .....	"	292,563	34,408,714	270,210	30,592,181
Sheets, galvanized:					
Quantity sold .....	"	170,000 <sup>1</sup>	28,893,000	192,000 <sup>1</sup>	32,636,000
Spades and shovels .....	No.	815,000	1,733,000	1,158,423	2,438,142
Staples, wire:					
Quantity made (kegs of 100 pounds) .....	keg	18,988	—	27,219	—
Quantity sold (kegs of 100 pounds) .....	"	21,719	251,554	25,861	300,423
Stoves:					
Coal, wood and sawdust-burning cooking stoves and ranges, including ranges with gas or electric extension .....	No.	18,562	1,783,729	15,934	1,711,519
Coal, wood and sawdust-burning heating stoves and space-heaters, including all heaters, circulators, Quebec, box, oak, Franklin, globular and laundry ..	"	40,483	740,979	32,789	542,753
Solid fuel and gas combination or oil and gas combination (not including stoves or ranges with gas extension) .....	"	7,746	1,655,862	6,701	1,498,945
Solid fuel and electric combination or oil and electric combination (not including stoves or ranges with electric extension) .....	"	8,604	2,066,892	7,714	1,871,042
Gas cooking stoves and ranges (not combinations), including all styles with ovens .....	"	35,077	4,489,456	37,729	5,086,643
Gas heating stoves and space heaters .....	"	14,295	496,606	15,604	640,393
Gas cooking plates - No oven .....	"	16,817	116,157	12,179	97,069
Electric cooking stoves or ranges (over 35 amperes), all styles with ovens ..	"	194,178	30,336,566	226,079	33,727,324
Electric rangettes, including cord attachment and oven as one unit .....	"	21,129	891,876	25,610	1,028,761
Electric cooking plate and grills, including stoves for glass coffee-makers ..	"	146,962	755,744	125,119	693,478
Oil (kerosene) and gasoline cooking stoves and ranges .....	"	—	—	—	—
Oil (kerosene) and gasoline heating stoves and space-heaters .....	"	—	—	—	—
Fuel oil (distillate) cooking stoves and ranges .....	No.	9,972	1,358,152	7,609	1,127,231
Fuel oil (distillate) heating stoves and space-heaters .....	"	72,050	3,573,470	53,366	2,847,850
Structural shapes, steel:					
Quantity made .....	ton	347,693	—	217,137	—
Quantity sold .....	"	341,975	42,833,449	225,295	29,140,673
Tacks, all kinds:					
Quantity made .....	lb.	2,475,193	—	2,219,474	—
Quantity sold .....	"	2,431,531	883,912	2,356,440	880,264
Threshers and reaper-threshers .....	No.	9,669	34,186,270	14,645	41,482,845

See footnotes at end of table.



TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1957 and 1958 - Concluded

Product	1957		1958	
	Quantity shipped	Value of factory shipments	Quantity shipped	Value of factory shipments
		\$		\$
Weeders ..... No.	1,995	430,661	1,585	333,255
Windows, metal:				
Factory and commercial, including screws and accessories:				
Steel .....	..	4,931,000	..	4,245,000
Aluminum .....	..	14,723,000	..	14,173,000
Residential, including screws and accessories:				
Steel .....	14	14	14	14
Aluminum .....	..	4,718,000	..	6,243,000
Combination storm and screen:				
Steel .....	14	14	14	14
Aluminum .....	..	7,399,000	..	8,877,000
Wire, steel:				
Barbed:				
Quantity made ..... ton	4,211	—	4,649	—
Quantity sold .....	4,443	806,212	4,588	854,878
Galvanized:				
Quantity made .....	53,986	—	56,328	—
Quantity sold .....	28,935	7,381,381	28,210	6,898,132
Other coated:				
Quantity made .....	1,730	—	2,397	—
Quantity sold .....	1,958	614,170	2,148	642,017
Plain:				
Quantity made .....	290,881	—	305,733	—
Quantity sold .....	127,029	23,541,071	114,843	21,741,095
Wire rope and cable, steel:				
Quantity sold .....	27,172	18,439,274	22,029	15,789,580
Wire, twisted strand:				
Quantity sold .....	7,745	2,758,725	7,536	2,828,853

<sup>1</sup> Not including drums made by some companies for their own use.

<sup>2</sup> For 1957, steel barrels and drums were defined as being over 10 imperial gallons capacity. Repeat shippers were defined as being made of 18 gauge material or heavier while one-time shippers were defined as being made of 18-24 gauge material, but including 28 gauge asphalt drums. Data prior to 1957 were not so defined and, as a result, are not strictly comparable with 1957.

<sup>3</sup> Not collected separately.

<sup>4</sup> Included with "Other machine tools" to avoid disclosure of individual firms.

<sup>5</sup> Included with "Other office and business machinery" to avoid disclosure of individual firms.

<sup>6</sup> Included with "Other store machinery" to avoid disclosure of individual firms.

<sup>7</sup> Included with "Other air conditioning equipment" to avoid disclosure of individual firms.

<sup>8</sup> Included with "Other woodworking machinery" to avoid disclosure of individual firms.

<sup>9</sup> See under "Electric motors and parts".

<sup>10</sup> Included with "All other motors or generators".

<sup>11</sup> Includes rotors and stators.

<sup>12</sup> Includes shipments transferred to own fabricating mills of producing firms.

<sup>13</sup> Does not include approximately 3,900 tons of galvanized sheet further processed into "Roofing" in 1957 and approximately 5,000 tons in 1958.

<sup>14</sup> Included with "Factory".

TABLE 10. Power Equipment in Use or Available for Use in the Iron and Steel Industry at the end of 1958

Type of equipment	Driving generators	Not driving generators
	horsepower	
Prime movers:		
Steam engines .....	1,636	4,340
Steam turbines .....	14,840	117,923
Diesel engines .....	3,454	8,623
Gasoline, gas and oil engines, other than diesel engines .....	12,537	31,897
Hydraulic turbines or water wheels .....	—	62
Totals .....	32,467	162,845
Electric motors (one quarter horsepower and over) .....	—	1,498,043

TABLE 11. Capital and Repair Expenditures in the Iron and Steel Products Group, by Industries 1958

	Capital expenditures		Sub-total	Repair expenditures		Sub-total	Total capital and repair expenditures
	Con-struction	Machinery		Con-struction	Machinery		
	thousands of dollars						
Agricultural implements .....	1,204	4,086	5,290	794	3,031	3,825	9,115
Boilers and plate work .....	1,011	2,768	3,779	294	1,781	2,075	5,854
Bridge and structural steel .....	3,345	4,911	8,256	652	2,231	2,883	11,139
Hardware, tools and cutlery .....	1,615	4,080	5,695	436	2,501	2,937	8,632
Heating and cooking apparatus .....	322	1,307	1,629	347	1,072	1,419	3,048
Iron castings .....	3,310	9,828	13,138	753	7,195	7,948	21,086
Machine shops .....	212	794	1,006	210	764	974	1,980
Machinery, household, office and store .....	785	2,856	3,641	795	1,381	2,176	5,817
Machine tools .....	20	201	221	38	127	165	386
Machinery, not elsewhere classified .....	3,702	7,217	10,919	1,058	3,836	4,894	15,813
Primary iron and steel .....	15,420	40,433	55,853	6,474	47,192	53,666	109,519
Sheet metal products .....	2,808	6,219	9,027	1,031	4,700	5,731	14,758
Wire and wire products .....	878	3,947	4,825	707	4,744	5,451	10,276
Miscellaneous iron and steel .....	1,025	2,048	3,073	784	2,741	3,525	6,598
Totals .....	35,657	90,695	126,352	14,373	83,296	97,669	224,021

Note: The above are final figures and may differ slightly from the preliminary figures shown in the individual industry reports.

TABLE 12. Principal Statistics of the Iron and Steel Products Group classified according to Size of Establishment, 1958

Size group	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Gross value of factory shipments:						
Under \$10,000 .....	224	411	760,613	73,114	452,406	1,432,502
\$ 10,000 to \$ 24,999 .....	444	1,351	3,479,021	226,362	2,562,093	7,608,876
25,000 " 49,999 .....	452	2,511	7,676,909	372,771	5,379,989	16,474,009
50,000 " 99,999 .....	469	4,356	14,597,001	701,191	12,039,312	33,260,194
100,000 " 199,999 .....	466	7,113	25,749,034	1,222,950	25,199,311	65,482,309
200,000 " 499,999 .....	487	13,840	53,858,762	2,602,871	64,202,760	152,911,541
500,000 " 999,999 .....	262	14,460	56,106,337	2,442,736	84,945,580	184,770,379
1,000,000 " 4,999,999 .....	359	56,623	226,415,928	12,804,737	365,726,872	795,149,280
5,000,000 and over .....	91	78,482	366,815,973	36,108,432	710,201,897	1,448,593,707
Head offices .....	—	293	1,713,656	—	—	—
<b>Totals .....</b>	<b>3,254</b>	<b>179,440</b>	<b>757,173,234</b>	<b>56,555,164</b>	<b>1,270,710,220</b>	<b>2,705,682,799</b>

TABLE 13. Principal Statistics of the Iron and Steel Products Group classified according to Type of Ownership, 1958

Type of ownership	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Individual ownership .....	731	3,307	9,650,810	538,571	9,071,893	24,641,283
Partnership .....	315	2,610	8,809,867	420,275	13,520,990	27,398,913
Incorporated companies .....	2,207	173,523	738,712,537	55,596,318	1,248,117,337	2,653,642,603
Co-operatives .....	1					
<b>Totals .....</b>	<b>3,254</b>	<b>179,440</b>	<b>757,173,234</b>	<b>56,555,164</b>	<b>1,270,710,220</b>	<b>2,705,682,799</b>

TABLE 14. Fuel and Electricity Used<sup>1</sup> in the Manufacture of Iron and Steel Products in Canada,  
by Industries and by Provinces, 1958

No.		Bituminous coal		Sub-bituminous coal from Alberta mines only	Anthracite coal	Lignite coal	Coke (for fuel only)	Gasoline (including gasoline used in cars and trucks)
		From Canadian mines	Imported					
		tons						Imp. gal.
(a) By Industries								
Agricultural implements:								
1	Quantity .....	12,083	40,541	94	174	317	353	359,725
2	Cost .....	\$ 123,156	443,391	875	3,005	2,955	11,168	126,710
Boilers, tanks and plate work:								
3	Quantity .....	4,380	6,000	—	8,637	—	211	693,988
4	Cost .....	\$ 54,018	71,071	—	94,235	—	4,949	261,023
Bridge and structural steel work:								
5	Quantity .....	9,369	2,872	—	92	1,998	108	1,311,535
6	Cost .....	\$ 113,766	37,872	—	2,388	12,480	2,084	475,209
Hardware, tools and cutlery:								
7	Quantity .....	2,188	8,469	—	483	—	419	379,057
8	Cost .....	\$ 26,750	119,340	—	7,326	—	7,463	161,187
Heating and cooking apparatus:								
9	Quantity .....	3,919	4,880	12	3,470	—	371	281,138
10	Cost .....	\$ 53,728	64,580	140	39,186	—	10,681	119,831
Iron castings:								
11	Quantity .....	8,951	28,419	30	2,085	5	3,690	529,196
12	Cost .....	\$ 124,548	416,876	600	27,272	156	97,247	1,000,363
Machinery (Household, office and store):								
13	Quantity .....	1,934	8,829	—	396	—	—	122,464
14	Cost .....	\$ 24,304	117,584	—	6,565	—	180	79,658
Machinery (Industrial):								
15	Quantity .....	8,105	19,967	151	1,839	635	1,085	727,153
16	Cost .....	\$ 116,479	257,828	2,270	25,766	5,462	36,158	286,586
Machine shops:								
17	Quantity .....	1,553	477	83	91	—	209	489,550
18	Cost .....	\$ 25,040	8,465	1,566	1,983	—	5,768	209,535
Machine tools:								
19	Quantity .....	213	2,832	—	389	—	—	12,001
20	Cost .....	\$ 2,683	31,061	—	5,766	—	—	5,209
Primary iron and steel:								
21	Quantity .....	49,223	34,692	—	—	—	30,651	421,997
22	Cost .....	\$ 519,923	377,730	—	—	—	209,117	126,167
Sheet metal products:								
23	Quantity .....	2,062	14,097	101	844	14	784	1,315,756
24	Cost .....	\$ 27,149	181,752	1,636	11,709	195	19,007	500,814
Wire and wire products:								
25	Quantity .....	5,613	8,739	—	2,755	—	77	201,057
26	Cost .....	\$ 75,557	113,535	—	32,407	—	1,937	78,075
Misc. iron and steel products:								
27	Quantity .....	6,376	20,265	25	525	—	120	661,939
28	Cost .....	\$ 84,308	228,481	223	10,216	—	2,518	214,878

See footnotes at end of table.



TABLE 14. Fuel and Electricity Used in the Manufacture of Iron and Steel Products in Canada,  
by Industries and by Provinces, 1958

Fuel oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Steam purchased	No.
		Liquefied pe- troleum gases (propane, etc.)	Other manufactured gas <sup>1</sup>	Natural gas		Purchased	Generated for own use		
Imp. gal.	cords	Imp. gal.	M cu. ft.			kwh.			
2,332,973	79	5,829	131,207	73,655	—	83,105,282	—	—	1
281,423	1,595	1,674	81,618	64,349	3,904	776,538	—	—	2
1,995,452	26	119,485	121	82,390	—	38,752,506	172,360	..	3
280,837	292	30,062	205	49,737	7,814	591,946	—	6,102	4
3,067,875	—	8,872	6,740	168,270	—	55,042,334	—	—	5
389,760	—	2,577	9,954	104,111	8,134	701,181	—	—	6
3,673,243	3,754	277,947	8,773	855,457	—	69,354,601	10,295	—	7
540,174	810	59,256	12,117	215,942	5,897	960,764	—	10,777	8
2,709,860	149	89,120	791	278,808	—	47,735,387	—	—	9
384,696	730	19,702	1,110	239,287	32,691	623,579	—	—	10
11,509,956	914	114,034	617,508	382,819	—	152,772,043	—	—	11
1,363,820	8,555	20,934	176,304	246,331	2,835	1,698,811	—	1,350	12
3,334,981	—	47,641	1,137	28,701	—	30,883,250	250,000	—	13
338,670	—	13,343	1,653	37,628	5,117	399,018	—	—	14
6,796,650	183	66,231	39,471	115,649	—	111,681,985	—	..	15
859,295	1,658	13,325	46,939	109,316	18,808	1,363,730	—	62,469	16
649,575	63	17,294	6,133	91,618	—	13,593,077	—	—	17
103,529	714	5,973	6,199	35,363	9,198	291,773	—	—	18
261,542	—	—	317	7,769	—	6,118,348	—	—	19
32,235	—	—	398	9,248	—	70,575	—	—	20
95,901,390	76	9,986	23,573,689	1,932,825	—	1,716,472,905	101,740,673	—	21
8,833,352	892	2,161	7,095,091	1,157,565	257,466	10,326,104	—	—	22
5,230,011	852	176,179	38,679	633,680	—	87,573,146	—	—	23
669,614	195	38,852	26,926	652,706	15,056	1,182,566	—	46,455	24
2,645,768	358	100,896	616,170	205,059	—	100,643,061	—	—	25
318,171	4,080	25,454	246,652	177,448	2,552	876,725	—	65,530	26
6,893,162	143	154,297	4,685	453,229	—	69,838,969	—	—	27
866,348	1,842	39,269	4,604	311,806	11,533	953,647	—	45,820	28

TABLE 14. Fuel and Electricity Used<sup>1</sup> in the Manufacture of Iron and Steel Products in Canada,  
by Industries and by Provinces, 1958 - Concluded

No.		Bituminous coal		Sub-bituminous coal from Alberta mines only	Anthracite coal	Lignite coal	Coke (for fuel only)	Gasoline (including gasoline used in cars and trucks)
		From Canadian mines	Imported					
		tons						Imp. gal.
(b) By Provinces								
Newfoundland:								
1	Quantity .....	5	—	—	—	—	76	19,738
2	Cost .....	\$ 115	—	—	—	—	1,912	8,867
Prince Edward Island:								
3	Quantity .....	23	—	—	—	—	29	—
4	Cost .....	\$ 487	—	—	—	—	894	—
Nova Scotia:								
5	Quantity .....	56,516	1	—	20	—	5,238	80,715
6	Cost .....	\$ 616,260	33	—	394	—	42,066	33,977
New Brunswick:								
7	Quantity .....	3,140	—	—	—	—	110	46,812
8	Cost .....	\$ 48,700	—	—	—	—	2,655	21,077
Quebec:								
9	Quantity .....	23,529	1,452	142	660	—	4,430	1,817,754
10	Cost .....	\$ 324,000	21,887	2,123	11,742	—	120,772	701,885
Ontario:								
11	Quantity .....	29,444	199,242	1	20,389	20	27,962	4,472,636
12	Cost .....	\$ 346,138	2,441,678	23	247,638	470	234,429	1,627,125
Manitoba:								
13	Quantity .....	2,761	255	119	611	2,799	150	231,589
14	Cost .....	\$ 26,277	4,629	1,098	6,108	18,077	3,010	89,842
Saskatchewan:								
15	Quantity .....	—	—	—	3	—	—	96,345
16	Cost .....	\$ —	—	—	105	—	—	36,548
Alberta:								
17	Quantity .....	130	2	13	—	—	54	442,950
18	Cost .....	\$ 1,404	80	155	—	—	1,092	171,323
British Columbia:								
19	Quantity .....	421	67	221	97	150	38	368,030
20	Cost .....	\$ 8,026	1,259	3,913	1,837	2,701	1,447	147,800


<sup>1</sup> Data in this table relate only to establishments generally reporting value of factory shipments of \$100,000 and over. For total value of fuel and electricity used (include estimates for small firms) see Tables 1 and 2.

TABLE 14. Fuel and Electricity Used in the Manufacture of Iron and Steel Products in Canada,  
by Industries and by Provinces, 1958 — Concluded

Fuel oil (not including lubricating oil)	Wood (cords of 128 cubic ft. of piled wood)	Gas			Other fuel	Electricity		Steam purchased	No.
		Liquefied pe- troleum gases (propane, etc.)	Other manufactured gas <sup>2</sup>	Natural gas		Purchased	Generated for own use		
Imp. gal.	cords	Imp. gal.	M cu. ft.			kwh.			
93,095	—	—	—	—	—	997,291	—	—	1
16,036	—	—	—	—	3,000	23,556	—	—	2
—	—	—	—	—	—	22,400	—	—	3
—	—	—	—	—	—	1,180	—	—	4
14,476,958	115	2,684	3,149,933	—	—	16,761,164	69,622,609	—	5
1,244,747	854	1,342	1,073,498	—	4,102	289,585	—	—	6
714,700	906	1,481	—	—	—	2,691,683	—	—	7
99,937	543	1,507	—	—	231	69,769	—	—	8
26,518,439	631	174,914	38,343	172,098	—	608,237,205	10,295	—	9
3,068,135	5,789	47,315	32,843	209,594	81,991	4,161,986	—	48,594	10
30,516,393	4,321	938,656	21,846,817	4,234,204	—	1,773,619,129	32,540,424	—	11
13,266,642	6,464	194,294	6,590,078	2,884,696	269,103	14,255,772	—	181,861	12
4,068,724	158	2,420	2,718	7,903	—	60,627,499	—	—	13
322,193	2,240	603	3,212	5,322	4,903	556,091	—	4,548	14
149,596	—	—	—	20,919	—	3,330,712	—	—	15
22,447	—	—	—	8,529	—	68,218	—	—	16
93,803	20	14,080	3,000	725,757	—	30,068,287	—	—	17
16,145	340	1,529	3,130	170,763	6,356	468,038	—	—	18
1,370,730	446	53,376	4,610	149,048	—	87,211,024	—	—	19
183,682	4,937	12,022	8,009	132,751	11,318	927,762	—	—	20

<sup>2</sup> Does not include blast furnace gas made for own use.



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