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**IRON AND STEEL PRODUCTS**  
**1954**  
**GENERAL REVIEW**

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## NOTICE

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

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

- I – General Review of the Manufacturing Industries, \$1.50
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 50¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
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  - Section F. British Columbia, 25¢
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- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
- X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report belongs in Part 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, 25¢
- B – The Agricultural Implements Industry, 25¢
- C – The Boilers and Plate Work Industry, 25¢
- D – The Bridge Building and Structural Steel Industry, 25¢
- E – The Hardware, Tools and Cutlery Industry, 25¢
- F – The Heating and Cooking Apparatus Industry, 25¢
- G – The Machinery Industry, 25¢
- H – The Machine Shops Industry, 25¢
- I – The Iron Castings Industry, 25¢
- J – The Primary Iron and Steel Industry, 25¢
- K – The Sheet Metal Products Industry, 25¢
- L – The Wire and Wire Goods Industry, 25¢
- M – The Miscellaneous Iron and Steel Products Industry, 25¢

# IRON AND STEEL PRODUCTS

1954

## GENERAL REVIEW

The gross value of production for the Iron and Steel Products group of industries totalled \$1,954 millions in 1954 compared with \$2,099 millions in 1953, a decrease of about 7 per cent. The net value of production, or the value added by manufacturing, showed a slight decrease to \$1,085 millions from \$1,141 millions in 1953.

The gross values by industries for 1954 were as follows, in millions of dollars: agricultural implements, \$119; boilers and plate work, \$88; bridge and structural steel work, \$156; hardware, tools and cutlery, \$118; heating and cooking apparatus, \$102; iron castings, \$140; machine shops, \$41; household, office and store machinery, \$96; machine tools, \$13; machinery, not elsewhere classified, \$234; primary iron and steel, \$383; sheet metal products, \$233; wire and wire goods, \$106; and miscellaneous iron and steel, \$126.

The distribution of this production by provinces was as follows, in millions of dollars: Ontario, \$1,280; Quebec, \$422; British Columbia, (Including Yukon), \$89; Nova Scotia, \$50; Manitoba, \$57; Alberta, \$34; New Brunswick, \$10; Saskatchewan, \$7; Newfoundland, \$3; and Prince Edward Island, \$0.1.

In 1954 a total of 2,801 factories operated in this group. These works employed 173,698 people who were paid \$606 millions in salaries and wages. Materials used in manufacturing processes cost \$829 millions and fuel and electricity cost \$46 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.

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Note: Due to lack of inventory data, figures for value added by manufacture, shown for the year 1953 in Table 1 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of shipments. In 1954, information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added figures for 1954 except in the bridge and structural steel works industry where "value added" is arrived at by deducting the cost of materials, including fuel and electricity, from the value of production.

## IRON AND STEEL PRODUCTS

TABLE 1. Principal Statistics for the Iron and Steel Products Group, by Industries, 1953 and 1954

Industry	Number of plants	Number of employees	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>
			\$	\$	\$	\$	\$
1953							
Agricultural implements	80	14,161	50,302,007	1,824,514	90,344,539	171,269,525	79,100,472
Boilers and plate work	82	8,958	32,480,753	1,131,868	37,290,528	97,649,143	59,226,747
Bridge and structural steel work	47	11,243	42,534,324	1,345,930	64,196,383	156,327,770	90,785,457
Hardware, tools and cutlery	351	14,422	45,939,345	1,765,496	40,771,452	127,309,572	84,772,624
Heating and cooking apparatus	118	9,218	28,115,693	1,315,306	43,613,972	97,356,537	52,427,259
Iron castings	201	15,346	52,985,576	3,280,528	69,150,209	157,465,126	85,034,389
Machine shops	625	6,509	19,582,628	769,114	13,617,124	43,040,695	28,654,457
Machinery, household, office and store	76	9,992	31,420,559	958,342	44,580,753	98,989,517	53,430,422
Machine tools	13	1,956	7,242,055	175,772	5,433,835	17,412,017	11,802,410
Machinery, not elsewhere classified	312	22,163	75,295,453	2,338,176	78,394,744	225,962,481	145,229,561
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products)	82	34,956	129,709,556	29,572,323	212,374,287	458,904,255	216,957,645
Sheet metal products	316	18,275	58,831,831	2,410,343	119,186,160	225,423,031	103,826,526
Wire and wire goods	122	8,634	28,656,098	1,512,086	37,046,455	104,858,014	66,299,473
Miscellaneous iron and steel	294	12,403	40,378,249	3,054,493	50,164,798	116,603,396	63,384,105
<b>Total</b>	<b>2,699</b>	<b>188,236</b>	<b>643,474,127</b>	<b>51,454,291</b>	<b>906,165,239</b>	<b>2,098,551,079</b>	<b>1,140,931,549</b>
1954							
Agricultural implements	76	11,805	40,224,971	1,741,790	66,712,190	119,006,228	49,240,666
Boilers and plate work	89	8,127	30,547,703	1,160,741	35,858,003	87,623,775	50,441,898
Bridge and structural steelwork	43	10,881	42,167,982	1,394,349	67,131,407	156,102,978	87,577,222
Hardware, tools and cutlery	379	13,264	42,207,529	1,843,959	40,147,473	118,483,115	77,271,555
Heating and cooking apparatus	120	8,905	28,444,481	1,390,413	48,143,503	102,113,389	52,907,300
Iron castings	202	13,748	47,535,297	2,826,611	61,661,101	139,904,793	76,670,172
Machine shops	653	6,325	19,195,458	826,610	12,935,630	40,943,452	27,271,344
Machinery, household, office and store	73	8,507	28,125,347	977,779	42,375,333	95,986,387	52,720,674
Machine tools	14	1,498	5,624,009	157,147	4,838,542	12,554,066	8,039,688
Machinery, not elsewhere classified	312	22,846	80,489,646	2,598,522	83,932,026	233,670,284	147,169,756
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products)	51	28,861	108,817,430	23,730,461	145,110,350	383,154,196	217,487,195
Sheet metal products	343	18,049	61,444,775	2,316,195	118,832,538	232,686,878	112,234,433
Wire and wire goods	126	8,731	29,771,559	1,646,036	55,200,513	105,900,500	50,235,247
Miscellaneous iron and steel	320	12,151	40,930,342	3,124,427	46,359,070	126,100,923	75,964,477
<b>Total</b>	<b>2,801</b>	<b>173,698</b>	<b>605,526,529</b>	<b>45,735,038</b>	<b>829,237,679</b>	<b>1,954,230,964</b>	<b>1,085,231,674</b>

1. See footnote 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, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 2. Principal Statistics for the Iron and Steel Products Group, by Provinces, 1953 and 1954

Province	Number of plants	Number of employees	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>
			\$	\$	\$	\$	\$
1953							
Newfoundland	10	363	977,906	59,807	737,983	2,406,046	1,608,256
Prince Edward Island	4	30	66,825	4,625	76,107	175,699	94,967
Nova Scotia	54	7,237	21,990,570	4,028,396	33,301,844	62,684,491	25,354,251
New Brunswick	29	1,202	3,145,860	220,205	4,612,547	9,957,657	5,124,905
Quebec	621	42,683	138,069,751	7,574,183	175,703,392	421,769,959	238,492,384
Ontario	1,380	120,198	423,078,663	36,784,757	616,462,682	1,416,611,044	763,383,605
Manitoba	124	5,064	16,319,866	1,092,995	21,034,307	56,965,945	34,838,643
Saskatchewan	51	825	2,373,533	115,808	4,289,456	8,438,081	4,032,817
Alberta	142	3,245	10,546,248	357,618	14,603,498	32,650,000	17,688,884
British Columbia	284	7,389	28,904,905	1,235,897	35,343,423	86,892,157	50,312,837
<b>Canada</b>	<b>2,699</b>	<b>188,236</b>	<b>643,474,127</b>	<b>51,454,291</b>	<b>906,165,239</b>	<b>2,098,551,079</b>	<b>1,140,931,549</b>
1954							
Newfoundland	10	429	1,260,253	58,432	1,018,492	3,174,154	2,102,230
Prince Edward Island	4	26	57,450	4,881	51,589	120,876	63,175
Nova Scotia	52	6,026	18,530,389	3,475,260	24,962,276	50,179,136	22,651,876
New Brunswick	31	1,125	3,120,792	215,618	4,775,812	10,475,837	5,426,324
Quebec	651	40,053	132,356,933	7,534,813	170,291,567	422,192,577	245,470,577
Ontario	1,439	110,050	394,667,127	31,491,146	547,747,167	1,280,476,405	705,520,784
Manitoba	125	4,894	16,383,477	985,557	22,568,852	57,356,444	33,709,879
Saskatchewan	50	739	2,235,436	116,232	3,384,549	7,456,983	4,005,344
Alberta	145	3,143	10,421,397	391,488	15,387,215	34,294,160	21,133,667
British Columbia	293	7,213	26,493,275	1,461,613	39,050,160	88,504,392	45,147,876
Yukon	1						
<b>Canada</b>	<b>2,801</b>	<b>173,698</b>	<b>605,526,529</b>	<b>45,735,040</b>	<b>829,237,679</b>	<b>1,954,230,964</b>	<b>1,085,231,674</b>

1. See footnote to text.

TABLE 3. Inventories<sup>1</sup> in the Iron and Steel Products Group, 1954

(a) By Industries	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	\$	\$	\$	\$
<b>Opening:</b>				
Agricultural implements .....	21,206,054	14,293,627	11,271,310	46,770,991
Boilers and plate work .....	11,426,816	6,799,566	5,609,174	23,835,556
Bridge and structural steel work .....	26,548,444	14,448,448	2,001,493	42,998,385
Hardware, tools and cutlery .....	12,373,010	7,690,963	10,005,692	30,069,665
Heating and cooking apparatus .....	11,687,051	3,816,649	8,249,105	23,752,805
Iron castings .....	15,504,278	7,138,637	11,612,332	34,255,247
Machine Shops .....	3,189,075	1,141,582	511,094	4,841,751
Machinery, household, office and store .....	17,060,782	8,023,806	11,506,498	36,591,086
Machine tools .....	1,182,325	2,266,397	752,678	4,201,400
Machinery, not elsewhere classified .....	22,703,633	23,162,874	18,887,337	64,753,844
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	62,745,466	22,831,488	22,599,923	108,176,877
Sheet metal products .....	28,299,684	11,332,810	13,069,989	52,702,463
Wire and wire goods .....	11,984,951	2,118,487	10,847,787	24,951,225
Miscellaneous iron and steel .....	14,256,044	10,122,560	3,906,359	28,284,963
<b>Total .....</b>	<b>260,167,593</b>	<b>135,187,894</b>	<b>130,830,771</b>	<b>526,186,258</b>
<b>Closing:</b>				
Agricultural implements .....	16,629,478	12,728,234	9,959,728	39,315,440
Boilers and plate work .....	8,653,297	6,398,894	5,446,041	20,498,232
Bridge and structural steel work .....	24,593,261	12,536,731	1,873,049	39,003,041
Hardware, tools and cutlery .....	10,753,992	7,247,387	10,785,564	28,786,943
Heating and cooking apparatus .....	10,129,459	3,972,504	8,576,932	22,678,895
Iron castings .....	13,703,824	6,207,814	12,865,423	32,777,061
Machine shops .....	3,425,732	1,230,970	601,226	5,257,928
Machinery, household, office and store .....	12,907,793	9,177,276	11,593,897	33,678,966
Machine tools .....	1,017,325	1,229,384	1,233,989	3,480,698
Machinery, not elsewhere classified .....	22,135,811	23,467,132	18,917,357	64,520,300
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	46,470,286	19,613,466	25,773,723	91,857,477
Sheet metal products .....	21,431,143	10,763,514	13,766,336	45,960,993
Wire and wire goods .....	11,138,032	2,112,263	12,029,081	25,279,376
Miscellaneous iron and steel .....	12,151,451	6,988,755	3,253,410	22,393,616
<b>Total .....</b>	<b>215,140,884</b>	<b>123,672,326</b>	<b>136,675,756</b>	<b>475,488,966</b>
<b>(b) By Provinces</b>				
<b>Opening:</b>				
Newfoundland .....	75,062	179,301	65,000	319,363
Prince Edward Island .....	22,342	2,800	9,176	34,318
Nova Scotia .....	11,686,970	5,168,316	2,004,752	18,860,038
New Brunswick .....	1,586,668	160,329	782,999	2,529,996
Quebec .....	47,961,158	29,004,192	29,475,940	106,441,290
Ontario .....	172,475,895	86,654,372	89,459,430	348,589,697
Manitoba .....	9,583,183	5,561,573	2,594,482	17,739,238
Saskatchewan .....	988,406	409,032	575,844	1,973,282
Alberta .....	4,713,691	2,209,910	1,476,129	8,399,730
British Columbia and Yukon .....	11,074,218	5,838,069	4,387,019	21,299,306
<b>Canada .....</b>	<b>260,167,593</b>	<b>135,187,894</b>	<b>130,830,771</b>	<b>526,186,258</b>
<b>Closing:</b>				
Newfoundland .....	98,402	116,750	70,000	285,152
Prince Edward Island .....	19,463	2,874	7,945	30,282
Nova Scotia .....	9,974,508	4,801,853	2,915,028	17,691,389
New Brunswick .....	1,087,697	135,923	724,916	1,948,536
Quebec .....	43,025,389	27,177,034	30,510,342	100,712,765
Ontario .....	137,731,346	79,431,342	93,755,937	310,918,625
Manitoba .....	8,030,468	4,102,565	2,477,360	14,610,393
Saskatchewan .....	729,318	259,960	624,976	1,614,254
Alberta .....	4,063,192	2,192,610	1,319,164	7,574,966
British Columbia and Yukon .....	10,381,101	5,451,415	4,270,068	20,102,584
<b>Canada .....</b>	<b>215,140,884</b>	<b>123,672,326</b>	<b>136,675,756</b>	<b>475,488,966</b>

1. (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.

## IRON AND STEEL PRODUCTS

TABLE 4. Employees and Earnings in the Iron and Steel Products Group, by Industries, 1953 and 1954

Industry	Average number of employees				Total employees	Earnings		
	Supervisory and office		Production and related workers			Supervisory and office	Production related and workers	Total earnings
	Male	Female	Male	Female				
	Number					000's of \$		
<b>1953</b>								
Agricultural implements .....	2,576	656	10,859	130	14,161	12,858	37,444	50,302
Boilers and plate work .....	1,792	558	6,414	194	8,958	9,851	22,630	32,481
Bridge and structural steel work .....	2,197	481	8,520	45	11,243	12,362	30,172	42,534
Hardware, tools and cutlery .....	2,022	1,016	9,771	1,613	14,422	11,871	34,068	45,939
Heating and cooking apparatus .....	1,359	632	6,983	244	9,218	7,580	20,536	28,116
Iron castings .....	1,729	609	12,737	271	15,346	9,622	43,364	52,986
Machine shops .....	1,350	248	4,830	81	6,509	5,683	13,900	19,583
Machinery, household, office and store .....	1,431	697	6,900	964	9,992	7,775	23,645	31,420
Machine tools .....	308	117	1,515	16	1,956	1,869	5,373	7,242
Machinery, not elsewhere classified .....	4,815	1,984	14,888	476	22,163	25,687	49,608	75,295
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	3,334	1,112	30,300	210	34,956	20,238	109,472	129,710
Sheet metal products .....	2,904	1,038	12,691	1,642	18,275	15,451	43,381	58,832
Wire and wire goods .....	1,226	531	6,204	673	8,634	7,214	21,442	28,656
Miscellaneous iron and steel .....	2,011	587	8,889	916	12,403	8,701	31,677	40,378
<b>Total .....</b>	<b>28,994</b>	<b>10,266</b>	<b>141,501</b>	<b>7,475</b>	<b>188,236</b>	<b>156,762</b>	<b>486,712</b>	<b>643,474</b>
<b>1954</b>								
Agricultural implements .....	2,289	567	8,856	93	11,805	11,690	28,535	40,225
Boiler and plate work .....	1,818	567	5,602	142	8,127	10,271	20,276	30,547
Bridge and structural steel work .....	2,320	498	8,023	40	10,881	13,264	28,904	42,168
Hardware, tools and cutlery .....	1,996	925	8,879	1,464	13,264	11,711	30,497	42,208
Heating and cooking apparatus .....	1,508	666	6,501	230	8,905	8,611	19,833	28,444
Iron castings .....	1,600	593	11,331	224	13,748	9,214	38,321	47,535
Machine shops .....	1,351	238	4,671	65	6,325	5,715	13,480	19,195
Machinery, household, office and store .....	1,372	626	5,633	876	8,507	7,876	20,249	28,125
Machine tools .....	311	102	1,080	5	1,498	1,863	3,761	5,624
Machinery, not elsewhere classified .....	4,970	1,914	15,517	445	22,646	28,386	52,104	80,490
Primary iron and steel (pig iron, ferro-alloys, steel and rolled products) .....	3,526	940	24,205	190	28,861	21,467	87,350	108,817
Sheet metal products .....	2,826	1,022	12,560	1,641	18,049	16,153	45,292	61,445
Wire and wire goods .....	1,356	586	6,178	611	8,731	7,923	21,849	29,772
Miscellaneous iron and steel .....	2,066	593	8,571	921	12,151	10,710	30,220	40,930
<b>Total .....</b>	<b>29,307</b>	<b>9,837</b>	<b>127,607</b>	<b>6,947</b>	<b>173,698</b>	<b>164,855</b>	<b>440,671</b>	<b>605,526</b>

TABLE 5. Employees and Earnings in the Iron and Steel Products Group, by Provinces, 1953 and 1954

Province	Average number of employees				Total	Earnings		
	Supervisory and office		Production and related workers			Supervisory and office	Production and related workers	Total
	Male	Female	Male	Female				
	Number					000's of \$		
<b>1953</b>								
Newfoundland .....	38	20	304	1	363	229	749	978
Prince Edward Island .....	9	2	19	--	30	25	41	66
Nova Scotia .....	629	133	6,453	22	7,237	2,860	19,130	21,990
New Brunswick .....	156	70	967	9	1,202	806	2,340	3,146
Quebec .....	7,217	2,340	31,338	1,788	42,683	35,399	102,671	138,070
Ontario .....	17,985	6,962	89,883	5,368	120,198	103,009	320,070	423,079
Manitoba .....	877	232	3,928	27	5,064	4,349	11,971	16,320
Saskatchewan .....	122	35	864	4	825	554	1,820	2,374
Alberta .....	644	131	2,436	34	3,245	2,952	7,594	10,546
British Columbia .....	1,317	341	5,509	222	7,389	6,579	20,326	26,905
<b>Canada .....</b>	<b>28,994</b>	<b>10,266</b>	<b>141,501</b>	<b>7,475</b>	<b>188,236</b>	<b>156,762</b>	<b>486,712</b>	<b>643,474</b>
<b>1954</b>								
Newfoundland .....	49	19	357	4	429	272	989	1,261
Prince Edward Island .....	9	2	15	--	26	27	30	57
Nova Scotia .....	617	123	5,255	31	6,026	2,928	15,605	18,533
New Brunswick .....	155	78	884	10	1,125	862	2,259	3,121
Quebec .....	7,259	2,225	28,941	1,628	40,053	38,243	94,113	132,356
Ontario .....	18,256	6,645	80,184	4,965	110,050	107,798	286,869	394,667
Manitoba .....	897	218	3,749	30	4,894	4,599	11,784	16,383
Saskatchewan .....	137	37	558	7	739	617	1,618	2,236
Alberta .....	644	136	2,336	27	3,143	2,778	7,642	10,420
British Columbia and Yukon .....	1,284	356	5,328	245	7,213	6,732	19,761	26,493
<b>Canada .....</b>	<b>29,307</b>	<b>9,837</b>	<b>127,607</b>	<b>6,947</b>	<b>173,698</b>	<b>164,855</b>	<b>440,671</b>	<b>605,526</b>

TABLE 6. Wage-earners Employed in the Iron and Steel Products Group, by Months and by Industries, 1954

Month	Agricultural implements	Boilers and plate work	Bridge and structural steel work	Hardware, tools and cutlery	Heating and cooking apparatus	Iron castings	Machine shops	Machinery, household, office and store
	Number							
January .....	9,547	5,651	8,217	10,815	6,247	11,910	4,652	6,941
February .....	10,334	5,807	8,271	10,746	6,387	11,789	4,754	6,911
March .....	10,884	5,723	7,982	10,687	6,470	11,762	4,756	6,929
April .....	10,633	5,894	7,588	10,497	6,570	11,533	4,764	6,671
May .....	10,614	5,883	7,847	10,312	6,754	11,575	4,795	6,604
June .....	10,788	5,894	8,202	10,113	7,007	11,635	4,871	6,507
July .....	9,608	5,980	8,279	10,163	6,969	11,571	4,771	6,292
August .....	8,043	5,944	8,231	9,996	7,138	11,089	4,745	6,249
September .....	7,405	5,909	8,354	10,103	7,303	11,490	4,733	6,234
October .....	5,500	5,757	8,380	10,176	7,160	11,484	4,725	6,282
November .....	5,300	5,371	7,968	10,179	6,786	11,219	4,707	6,285
December .....	8,643	5,131	7,422	10,076	6,042	11,092	4,655	6,247
<b>Average .....</b>	<b>8,949</b>	<b>5,744</b>	<b>8,063</b>	<b>10,343</b>	<b>6,731</b>	<b>11,555</b>	<b>4,736</b>	<b>6,509</b>
	Machine tools	Machinery n.e.c.	Primary iron and steel	Sheet metal products	Wire and wire goods	Miscellaneous iron and steel	Total iron and steel	
	Number							
January .....	1,327	15,802	26,867	13,681	7,068	10,590	139,303	
February .....	1,251	15,860	25,802	13,658	6,999	10,391	138,948	
March .....	1,238	16,036	25,204	13,763	6,986	10,022	138,430	
April .....	1,118	15,963	24,693	13,811	6,894	9,957	136,573	
May .....	1,056	16,019	24,704	14,200	6,823	9,820	136,990	
June .....	1,024	16,107	24,631	14,859	6,631	9,896	138,151	
July .....	1,181	15,959	24,096	15,025	6,552	9,885	136,316	
August .....	982	16,160	24,061	15,056	6,573	9,243	133,495	
September .....	950	16,073	23,626	14,811	6,807	9,395	133,174	
October .....	927	15,885	23,020	14,358	6,607	8,891	129,135	
November .....	982	15,577	23,074	13,896	6,959	8,030	126,312	
December .....	971	15,438	23,040	13,162	6,770	7,775	126,444	
<b>Average .....</b>	<b>1,085</b>	<b>15,962</b>	<b>24,395</b>	<b>14,201</b>	<b>6,789</b>	<b>9,492</b>	<b>134,554</b>	

TABLE 7. Wage-earners Employed in the Iron and Steel Products Group, by Months and by Provinces, 1954

Month	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
	Number										
January .....	338	13	5,941	694	31,550	89,014	3,764	640	2,344	5,017	139,303
February .....	343	13	5,691	785	31,273	89,030	3,748	637	2,324	5,116	138,948
March .....	348	13	5,163	910	31,138	88,854	3,831	622	2,286	5,267	138,430
April .....	377	15	5,054	936	30,865	87,352	3,884	602	2,163	5,338	136,573
May .....	375	17	5,048	971	30,730	87,430	3,992	593	2,352	5,488	136,990
June .....	376	17	5,170	984	31,219	87,653	3,972	582	2,436	5,756	138,151
July .....	364	17	5,252	989	30,840	86,023	3,964	586	2,467	5,829	136,316
August .....	355	17	5,334	973	30,399	83,439	4,087	588	2,487	5,831	133,495
September .....	368	14	5,296	965	30,382	86,476	3,949	515	2,445	5,780	133,174
October .....	373	15	5,147	940	29,708	80,764	3,572	596	2,389	5,748	129,135
November .....	368	14	4,990	870	29,532	78,723	3,389	483	2,342	5,622	126,312
December .....	357	14	4,834	720	28,975	80,230	3,164	447	2,293	5,430	126,444
<b>Average .....</b>	<b>361</b>	<b>15</b>	<b>5,286</b>	<b>894</b>	<b>30,569</b>	<b>85,149</b>	<b>3,779</b>	<b>565</b>	<b>2,363</b>	<b>5,573</b>	<b>134,554</b>

1. Includes Yukon.

TABLE 8. Alphabetical List of Materials Used in the Industries in the Iron and Steel Products Group, 1953 and 1954

Material	1953		1954		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Acid:					
Muriatic	lb.	3,648,273	93,933	3,950,088	108,699
Sulphuric	"	59,605,895	837,139	51,805,611	761,047
Aluminum all forms	"	32,514,184	13,550,008	34,779,886	15,670,253
Axles, old, for re-rolling	tons	2,249	111,756	5,459	211,441
Babbitt metal and solders	lb.	2,685,274	1,208,541	2,676,639	911,102
Bars and rods, iron and steel (except alloy)	tons	401,557	49,117,572	353,769	43,717,642
Bentonite	"	4,163	144,235	3,434	113,674
Billets and slabs, steel:					
Companies' own make	tons	116,567	—	110,131	—
Purchased	"	128,620	10,947,714	79,333	6,678,222
Brass and bronze, all forms	lb.	25,934,623	10,919,106	24,384,249	10,675,908
Calcium molybdate and molybdenum trioxide briquettes	tons	402	478,931	244	290,020
Calcium manganese silicon	"	399	180,009	163	75,005
Calcium silicon	"	119	52,963	148	62,847
Charcoal for steel and ferro-alloy furnaces	tons	90	5,649	71	5,401
Coal:					
Anthracite, for steel and ferro-alloy furnaces	"	23,563	338,242	8,374	122,602
Bituminous, for steel and ferro-alloy furnaces	"	44,473	583,876	21,538	278,058
Coke (charged to blast furnaces, cupolas, etc.)	"	2,964,124	43,166,790	2,114,317	30,867,209
Coke, petroleum	"	46,318	738,881	48,396	710,272
Copper, all forms	lb.	7,782,569	3,471,743	7,139,063	3,248,138
Core oil	Imp. gal.	374,300	389,801	277,168	280,447
Cork discs (for bottle caps)	"	—	1,301,079	—	1,286,060
Cotton, duck and other textiles for farm implements	"	—	628,297	—	382,301
Cupola blocks	"	—	117,126	—	93,853
Dolomite	tons	476,232	2,402,671	403,762	1,838,684
Diamonds (industrial)	"	—	1,127,408	—	812,326
Electrodes, for steel and ferro-alloy furnaces	"	—	2,349,754	—	1,923,005
Feldspar	lb.	312,380	5,442	230,200	4,627
Ferro-alloys used in steel furnaces, etc.:					
Ferrocrome, including chrom-x	tons	4,986	1,847,103	3,500	1,409,405
Ferromanganese	"	32,856	6,965,852	25,408	5,411,092
Ferrosilicon	"	14,370	1,860,634	13,155	1,550,185
Ferrophosphorus	"	280	25,863	207	19,250
Ferrotitanium	"	213	50,433	171	50,166
Ferrotungsten	"	49	275,761	38	118,280
Silicomanganese	"	7,101	1,642,078	4,940	1,102,863
Spiegeleisen	"	22	1,681	319	29,245
Ferromolybdenum	"	61	108,348	70	119,655
Ferrovandium	"	44	159,002	47	168,905
Other ferro-alloys	"	—	641,868	—	592,405
Firebrick (also see next item)	"	—	528,477	—	515,435
Firebrick, fireclay and cupola blocks, (not shown separately)	"	—	5,764,234	—	5,163,829
Fireclay (also see previous item)	"	—	222,416	9,011	190,567
Fluorspar used in steel and ferro-alloy furnaces	tons	10,724	890,694	16,002	534,703
Frit for enamelling	"	22,730	970,682	—	793,515
Ganister	tons	5,468	27,710	3,817	17,827
Handles for tools	"	—	674,942	—	771,600
Ingot and blooms, steel:					
Companies' own make (value not given)	tons	3,928,675	—	3,134,682	—
Purchased	"	16,269	1,139,201	451	332,107
Iron, pig:					
Companies' own make (value not given)	tons	2,300,646	—	1,759,610	—
Purchased	"	305,011	17,543,217	230,368	13,219,618
Iron and steel, n.e.s.	"	—	41,121,130	—	35,478,898
Lead, all forms	lb.	1,870,437	294,371	1,702,892	271,729
Lime	tons	107,577	1,358,600	81,721	1,024,578
Limestone used in iron, steel and ferro-alloy furnaces	"	1,385,183	3,005,264	967,306	2,135,191
Linseed oil	Imp. gal.	30,622	33,936	28,687	33,758
Lumber	M ft. b.m.	54,777	5,658,952	46,449	4,639,973
Magnesite used in steel furnaces	tons	18,875	1,176,680	9,940	546,026
Metals, non-ferrous, n.e.s.	"	—	1,294,977	—	1,631,904
Mill cinder, scale, slag, etc.	tons	673,879	5,168,260	577,577	4,526,604
Nail plate:					
Companies' own make	lb.	1,036,421	—	1,910,305	93,867
Purchased	"	—	—	—	—
Nickel, all forms (except nickel-copper shot)	lb.	3,624,817	2,071,158	2,932,368	1,894,074
Ore:					
Iron, beneficiated	tons	603,319	5,397,451	302,398	2,676,186
Iron, crude	"	4,903,590	42,359,707	3,650,979	31,371,318
Tungsten	"	47	180,978	12	22,196
Paints, oils and varnishes	"	—	7,117,253	—	6,500,291
Pipe, tubes and fittings, iron and steel (except boiler tubes)	"	—	8,824,450	—	7,652,927
Plates, steel (3/16" and thicker, except alloy)	tons	210,009	26,600,148	203,521	25,608,166
Plumbago and graphite	lb.	3,640,224	233,343	1,925,789	146,845
Quartzite for ferro-alloys	tons	106,005	416,101	53,850	233,438
Rails, old, for re-rolling	"	64,241	3,084,592	55,778	2,468,428
Rods, steel wire, for drawing:					
Companies' own make	tons	116,590	—	165,870	16,510,433
Purchased	"	104,075	9,928,508	105,555	10,552,444
Salammoniac (ammonium chloride)	lb.	1,195,786	118,897	929,142	88,465
Sands:					
Moulding	tons	76,295	613,346	67,970	580,791
Core	"	108,563	494,001	79,791	388,996
Silica	"	107,219	990,091	83,326	735,090
Other foundry	"	26,131	153,144	19,578	152,193

TABLE 8. Alphabetical List of Materials Used in the Industries in the Iron and Steel Products Group, 1933 and 1934 - Concluded

Material	1953		1954	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Scrap iron and steel:				
Companies' own make used in steel furnaces (value not given) .....	tons	1, 161, 267	979, 742	—
Companies' own make used in iron foundries .....	"	35, 283	28, 225	1, 156, 979
Purchased .....	"	1, 473, 146	1, 066, 619	26, 969, 683
Sheets, steel (except alloy):				
Galvanized .....	tons	87, 533	85, 754	15, 118, 300
Plain (black) .....	"	296, 168	279, 101	38, 402, 589
Tin plate .....	"	232, 327	253, 247	45, 592, 603
Skelp, steel .....	tons	263, 542	232, 170	22, 906, 264
Sodium nitrate .....	"	1, 603	717	43, 957
Strip, steel (except alloy) .....	"	49, 829	37, 855	5, 565, 419
Structural shapes, steel .....	"	378, 362	377, 938	45, 726, 860
Steel, alloy, all kinds .....	—	—	—	18, 133, 313
Sulphur .....	tons	101	50	4, 562
Tackplate:				
Companies' own make .....	lb.	1, 142, 925	1	—
Purchased .....	"	1, 177, 878	1, 414, 741	112, 260
Tin .....	"	4, 321, 358	4, 139, 435	3, 425, 667
Tubes, boiler, lap-welded and seamless .....	—	—	—	1, 577, 821
Tungsten carbide powder .....	—	—	—	489, 161
Wire, iron and steel, plain, galvanized and coated, other:				
Companies' own make (value not given) .....	tons	22, 508	—	—
Purchased .....	"	103, 159	90, 694	17, 353, 250
Zinc, all forms .....	lb.	48, 033, 833	42, 695, 544	4, 989, 190
Containers and packing materials .....	—	—	—	9, 937, 020
All other materials .....	—	—	—	258, 730, 455
<b>Total .....</b>	<b>—</b>	<b>906, 165, 239</b>	<b>—</b>	<b>829, 237, 679</b>

1. Not available.

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1953 and 1954

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	1953		1954	
	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$
Air compressors:				
Stationary type .....	—	4, 777, 530	—	4, 971, 411
Portable type .....	—	799, 107	—	1, 190, 112
Axes and hatchets .....	No.	494, 000	456, 294	761, 515
Bale ties, wire:				
Quantity made .....	tons	2, 741	3, 330	—
Quantity sold .....	"	2, 791	3, 352	652, 779
Barrels and drums, steel:				
Repeat shippers .....	No.	55, 099	39, 484	392, 788
One-time shippers .....	"	852, 205	816, 596	2, 570, 998
Bars, steel, hot-rolled, all kinds:				
Quantity made .....	tons	732, 275	528, 521	—
Quantity sold .....	"	592, 078	445, 519	56, 525, 130
Binders, grain .....	No.	1, 763	320	163, 082
Blooms, billets and slabs, steel:				
Quantity made .....	tons	2, 870, 860	2, 273, 725	—
Quantity sold .....	"	279, 986	150, 917	12, 748, 936
Blowers for domestic furnaces .....	No.	32, 878	60, 127	1, 192, 187
Boilers:				
Heating boilers:				
Cast iron sectional:				
(a) 240-775 sq. ft. ....	No.	9, 204	8, 106	1, 105, 772
(b) 776-1,499 sq. ft. ....	"	2, 620	2, 634	900, 832
(c) 1,500 sq. ft. and over .....	"	2, 135	1, 810	1, 168, 838
Steel:				
(a) 240-775 sq. ft. ....	No.	3, 879	4, 962	2, 101, 657
(b) 776-1,499 sq. ft. ....	"	862	732	520, 658
(c) 1,500 sq. ft. and over .....	"	510	885	1, 143, 367

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1953 and 1954 - Continued

Product	1953		1954	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
Boilers - concluded:				
Power boilers:				
Water tube, horizontal type .....	No. 18	456, 224	45	2, 100, 718
Water tube, vertical type .....	" 7	12, 100	17	28, 581
Water tube, bent tube type .....	-	8, 284, 780	-	5, 596, 709
Horizontal return tubular .....	No. 199	826, 159	155	548, 841
Marine type .....	" 53	568, 002	25	293, 549
Steel firebox, locomotive type .....	" 23	204, 093	15	86, 711
Firetube, vertical type .....	" 29	44, 878	26	33, 951
Boilers, type not specified .....	-	608, 056	-	718, 867
Bottle caps, metal .....	-	11, 937, 000	-	11, 134, 000
Cans, metal .....	-	74, 309, 000	-	77, 842, 000
Castings, iron, (except pipe and fittings):				
Grey and white .....	tons 566, 000	-	449, 000	-
Malleable .....	" 36, 000	-	27, 000	-
Castings:				
Steel:				
Quantity made .....	tons 106, 520	-	81, 239	-
Quantity sold .....	" 101, 217	42, 203, 929	80, 490	34, 413, 220
Cream separators:				
300 pounds and under .....	No. -	-	-	-
Over 300 pounds .....	" 3, 426	389, 292	3, 227	373, 580
Cultivators .....	No. 13, 558	3, 466, 288	9, 849	2, 566, 451
Cutlery, steel (paring knives, bread knives, scissors, etc.) .....	-	2, 115, 000	-	2, 308, 000
Drills, seeding .....	No. 7, 669	3, 164, 105	3, 848	1, 617, 000
Eavestrough .....	-	2, 209, 000	-	2, 537, 000
Elevators, freight and passenger, and parts .....	-	10, 141, 895	-	13, 631, 607
Engines:				
Steam, including steam turbines .....	No. 29	851, 059	-	906, 740
Gasoline (except automobile and aircraft):				
Marine type (including outboard) .....	" Included with "Other types"	10, 186, 551	Included with "Other types"	10, 561, 278
Other types (including industrial gas engines) .....	" 56, 929	4, 168, 329	56, 349	5, 093, 699
Diesel .....	" 139	2, 780, 494	114	2, 831, 816
Engine parts .....	-	-	-	-
Fencing, steel wire:				
Farm:				
Quantity sold .....	tons 12, 383	2, 457, 290	12, 431	2, 548, 615
Lawn:				
Quantity sold .....	" 1, 569	458, 949	1, 313	353, 653
Chain link fabric:				
Quantity sold .....	" 4, 437	1, 294, 811	4, 147	1, 181, 418
Ferro-alloys .....	" 153, 660	28, 458, 609	116, 141	16, 822, 899
Forks, farm or garden, hand .....	No. 310, 000	459, 000	302, 000	422, 000
Furnaces, warm air .....	" 93, 669	18, 948, 929	93, 386	17, 626, 388
Hardware:				
Builders' and shelf .....	-	15, 244, 000	-	17, 000, 000
Harness and saddlery .....	-	243, 000	-	208, 000
Pole line (except insulators) .....	-	8, 169, 000	-	8, 065, 000
Automobile .....	-	6, 804, 000	-	7, 220, 000
Furniture and cabinet .....	-	3, 181, 000	-	3, 447, 000
Trunk and suitcase .....	-	485, 000	-	492, 000
Other .....	-	4, 488, 000	-	2, 924, 000
Harrows, all kinds except harrow-plows .....	No. 86, 906	6, 069, 265	65, 365	2, 676, 529
Harrow-plows, one-way discs and tiller-combines .....	" 17, 073	7, 914, 542	8, 006	4, 048, 150
Hay loaders .....	" 4, 755	954, 059	1, 674	398, 505
Hay rakes, including combination side rakes and tedders .....	" 11, 539	2, 280, 599	7, 773	1, 790, 700

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1953 and 1954 - Continued

Product	1953		1954	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
<b>Heaters, domestic water-tank:</b>				
Cast iron for coal, wood or oil (120 gallons or less) .....	No.	1,507	961	48,854
Gas, automatic .....	"	25,341	26,635	1,906,000
Gas, not automatic .....	"	14,496	9,986	130,708
Electric, circulating type .....	"	42,819	34,284	279,229
Electric, immersion type .....	"	133,216	134,456	381,111
Clamp-on type .....	"	36,549	27,735	124,700
Electric, automatic storage tank type, including tank and controls .....	"	35,824	41,768	2,923,792
<b>Heaters, unit, all types .....</b>	No.	26,428	22,590	4,244,901
<b>Hoes, hand .....</b>	No.	243,000	226,000	226,000
<b>Ingots, steel:</b>				
Quantity made .....	tons	4,009,548	3,113,791	-
Quantity sold .....	"	32,172	5,576	1,021,493
<b>Iron, pig:</b>				
Quantity made .....	tons	3,012,268	2,211,029	-
Quantity sold .....	"	626,624	455,552	22,142,040
<b>Ironers (operated by own motor) .....</b>	No.	11,112	6,020	530,035
<b>Kitchenware:</b>				
Aluminum .....	-	-	-	7,976,000
Enamelled .....	-	-	-	1,536,000
<b>Lath and corner bead, metal .....</b>	-	-	-	3,414,000
<b>Lawn mowers:</b>				
Hand .....	No.	28,619	18,516	235,097
Power .....	"	25,505	61,987	3,099,946
<b>Machine tools:</b>				
Drilling machines .....	-	-	745	756,884
Grinding machines .....	-	-	-	186,968
Lathes .....	No.	311	275	1,308,964
Presses .....	-	-	-	1,867,488
Shapers .....	No.	38	-	-
Shearing machines .....	"	196	158	188,841
Other, including boring machines, milling machines, planers, sloters, etc. ....	-	-	-	2,449,742
Parts and accessories .....	-	-	-	2,022,932
<b>Machinery, not elsewhere specified:</b>				
<b>Bakers:</b>				
Mixing machines .....	No.	929	765	632,687
Ovens .....	"	169	110	354,863
Other, and parts .....	-	-	-	299,019
<b>Canning and parts .....</b>	-	-	-	1,339,997
<b>Concrete-making:</b>				
Mixers .....	No.	4,202	3,908	604,366
Concrete block machines .....	"	331	120	26,689
Other, and parts .....	-	-	-	440,904
<b>Conveying and elevating, and parts (except passenger and freight elevators) .....</b>	-	-	-	13,392,074
<b>Dairy and creamery, and parts (except farm type cream separators) .....</b>	-	-	-	3,792,620
<b>Dish-washing (except household) .....</b>	-	-	-	1,013,534
<b>Fire-fighting (except hand type extinguishers) .....</b>	-	-	-	3,042,946
<b>Flour and grist mill, and parts .....</b>	-	-	-	496,398
<b>Grain elevator, and parts .....</b>	-	-	-	1,380,855
<b>Holisting and parts .....</b>	-	-	-	11,597,924
<b>Laundry, cleaning and pressing, and parts .....</b>	-	-	-	2,526,804
<b>Leather working, and parts .....</b>	-	-	-	927,679
<b>Logging, and parts .....</b>	-	-	-	1,372,381
<b>Mining and metallurgical:</b>				
Agitators .....	No.	2	512	685,421
Classifiers .....	No.	17	8	169,797
Crushers .....	-	-	-	818,701
Holsts .....	-	-	-	2,181,836
Mine cars .....	No.	1,610	883	890,852
Other .....	-	-	-	7,281,254
Parts .....	-	-	-	13,229,549
<b>Office, business and store:</b>				
Adding machines .....	No.	17,044	14,311	2,147,379
Other and parts,(except typewriters and scales) .....	-	-	-	23,929,692
<b>Plastics, and parts .....</b>	-	-	-	114,967
<b>Printing, and parts .....</b>	-	-	-	513,764

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1953 and 1954 - Continued

Product	1953		1954	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
<b>Machinery, not elsewhere specified - concluded:</b>				
Pulp and paper-making, and parts	-	19,866,373	-	16,248,022
Refrigerating and ice-making, and parts (except domestic type refrigerators and condensing units)	-	20,529,857	-	21,380,000
<b>Road-making:</b>				
Angle dozers	No. 204	472,510	316	608,579
Graders	" 202	2,265,154	185	2,044,256
Rollers	" 10	60,315	6	53,828
Scrapers	" 17	125,066	18	213,656
Snow plows	No. 416	462,697	650	539,032
Other	-	1,959,103	-	1,686,344
Parts	-	743,813	-	1,428,695
Rolling mill, and parts	-	3,182,112	-	2,226,542
Rubber mill, and parts	-	2,527,819	-	1,133,354
Sawmill, and parts	-	3,149,176	-	2,907,300
Service station and garage, and parts	-	1,233,595	-	1,515,303
Ships, and parts	-	6,691,320	-	7,400,796
Stone-working, and parts	-	128,857	-	180,168
Textile, and parts	-	340,025	-	409,513
Transmission, and parts	-	18,497,907	-	15,765,671
Ventilating, exhaust and dust-collecting, and parts	-	6,908,399	-	7,898,975
Water-wheels and turbines	-	12,137,734	-	15,535,709
<b>Welding:</b>				
Electric arc welding with controls	-	1,584,937	-	1,213,000
Other	-	2,253,992	-	1,637,000
<b>Wood-working:</b>				
Band sawing machines	No. 5,554	431,467	1,091	164,334
Boring machines	" 528	12,605	-	19,077
Lathes	" 2,372	56,574	1,803	63,542
Matchers and planers	" 276	609,421	1,068	493,362
Moulders	" 27	263,255	28	145,576
Rip and cross-cut saws	" 26,296	1,218,028	16,204	805,062
Sanders	" 2,716	50,606	1,817	110,340
Shapers and jointers	" 3,928	272,224	2,986	174,150
Surfacers	" 99	35,084	112	14,795
Tenoners and mortisers	" 57	63,473	134	77,084
Other, and parts	-	804,765	-	1,291,914
Manure spreaders	No. 11,821	3,954,225	6,024	2,148,507
Mowers, hay	" 13,930	2,717,178	7,006	1,389,653
<b>Nails and spikes:</b>				
<b>Wire:</b>				
Quantity made (Kegs of 100 pounds)	Kegs 1,437,831	-	1,598,143	-
Quantity sold (Kegs of 100 pounds)	" 1,421,540	12,112,524	1,505,837	12,124,580
<b>Cut:</b>				
Quantity made (Kegs of 100 pounds)	Kegs 12,781	-	12,770	-
Quantity sold (Kegs of 100 pounds)	" 13,776	168,512	13,634	165,357
<b>Oil burners, power type:</b>				
Domestic	No. 100,288	10,609,632	114,380	11,244,958
Industrial	" 835	505,824	969	432,190
Parts	-	1,384,552	-	1,973,331
Peavies, canthooks and pike poles	-	368,000	-	506,000
<b>Pipe and tubing:</b>				
Cast iron soil pipe	tons 54,100	10,673,000	62,200	11,815,000
Cast iron water pipe and fittings	" 96,400	11,128,000	108,500	12,598,000
Cast iron pipe fittings, all other, including flanges and flange fittings	" 10,300	4,066,000	8,900	3,681,000
Malleable iron pipe fittings of all kinds, including railing fittings	" 7,700	5,924,000	7,000	4,962,000
Steel pipe and tubing	" 220,800	41,943,000	219,500	36,260,000
Steel pipe fittings, all kinds	" 5,700	3,401,000	5,000	3,885,000
Steel pipe, riveted or welded (from plate)	" 8,400	1,652,000	3,800	1,145,000
Culvert pipe formed from steel sheets	tons 30,300	10,048,000	34,700	11,205,000
Pipe, stove and furnace	-	2,231,000	-	2,318,000
Planters, corn	No. 1,850	132,172	1,201	164,804
<b>Plates, steel:</b>				
Quantity made	tons 221,818	-	201,939	-
Quantity sold	" 220,539	23,136,938	201,524	20,568,611
Plows, all kinds	No. 21,577	4,402,949	15,443	2,979,804
<b>Pumps:</b>				
Centrifugal	-	8,365,104	-	7,253,325
Cistern and pitcher	No. 26,195	157,927	23,369	144,800
Deep-well	-	65,193	-	36,817
Rotary	-	1,013,159	-	903,509
Sump	-	895,610	24,784	1,128,475
Vacuum	-	292,311	-	538,710
Direct-acting steam piston and electric	No. 2,008	1,535,610	2,340	1,503,004
Other power pumps	-	2,081,424	-	3,251,736
<b>Self-contained household water systems:</b>				
Deep-well (except jets)	No. 1,737	408,304	Not available in this breakdown	
Shallow-well (except jets)	" 38,504	3,736,876	in 1954	
Jet type	" 3,862	415,882	in 1954	
Deep well - jet type	"	Not available	3,739	438,650
- Non-jet type	"	in this	1,173	298,263
Shallow well - jet type	"	breakdown	3,637	280,817
- Non jet type	"	in 1953	34,984	3,408,720

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel 1953 and 1954 - Continued

Products	1953		1954	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
<b>Pumps - concluded:</b>				
Pump jacks..... No.	4,743	220,784	3,053	88,281
Hand pumps.....	-	342,359	25,868	255,123
Pump parts, including repair parts.....	-	1,821,647	-	2,463,419
Gasoline-dispensing pumps.....	-	3,110,195	-	3,206,198
<b>Radiators, heating:</b>				
Cast iron..... sq. ft.	6,346,714	4,195,740	5,811,940	3,888,017
Convectors (steel and non-ferrous)..... "	8,659,792	4,883,288	8,932,191	5,321,258
<b>Rails, steel:</b>				
Quantity made..... tons	303,318	-	241,922	-
Quantity sold..... "	299,808	26,485,922	232,484	21,421,531
<b>Railway fish plates and splice bars:</b>				
Quantity made..... tons	14,939	-	13,175	-
Quantity sold..... "	14,159	1,754,308	12,786	1,545,914
<b>Railway tie plates:</b>				
Quantity made..... tons	50,181	-	39,386	-
Quantity sold..... "	50,202	5,530,240	38,027	4,152,574
<b>Rakes, hand.....</b>	<b>No.</b>	<b>299,000</b>	<b>310,000</b>	<b>255,000</b>
<b>Range boilers, domestic:</b>				
Galvanized..... No.	164,531	2,511,228	185,670	2,680,068
Copper, everdur and monel..... "	8,962	484,960	10,891	619,791
<b>Razor blades, safety.....</b>	<b>000's</b>	<b>175,651</b>	<b>3,565,000</b>	<b>174,308</b>
<b>Registers and grills, warm air.....</b>	<b>-</b>	<b>1,514,078</b>	<b>-</b>	<b>1,818,198</b>
<b>Rods, welding.....</b>	<b>tons</b>	<b>12,919</b>	<b>3,728,495</b>	<b>11,926</b>
<b>Rods, wire:</b>				
Quantity made..... tons	286,471	-	275,121	-
Quantity sold..... "	113,095	10,687,946	274,870 <sup>1</sup>	26,848,014
<b>Saws and parts:</b>				
<b>Power saws:</b>				
Circular.....	-	1,382,000	-	1,314,000
Band.....	-	561,000	-	609,000
Drag and gang.....	-	48,000	-	63,000
Cross-cut saws.....	-	149,000	-	175,000
Webb saws.....	-	181,000	-	180,000
Hand saws.....	-	682,000	-	617,000
Parts for above (including saw-teeth).....	-	1,055,000	-	1,089,000
Power chain saws and parts.....	-	4,069,000	-	2,450,000
<b>Scales:</b>				
For stores, homes and offices - for retail use..... No.	6,480	1,023,045	5,510	378,001
- for domestic use..... No.	17,637	80,363	16,158	69,626
<b>Industrial:</b>				
Bench or portable type..... No.	3,584	825,695	3,747	645,347
Built-in type..... "	738	733,582	768	961,210
<b>Sheets, galvanized:</b>				
Quantity sold..... tons	105,980	17,470,592	101,000	16,526,000
<b>Spades and shovels.....</b>	<b>No.</b>	<b>1,037,000</b>	<b>1,594,000</b>	<b>871,000</b>
<b>Staples, wire:</b>				
Quantity made (Kegs of 100 pounds)..... kegs	30,943	-	32,459	-
Quantity sold (Kegs of 100 pounds)..... "	29,095	292,028	28,124	279,849
<b>Stokers and parts:</b>				
Domestic or residential..... No.	706	147,090	809	200,528
Commercial or industrial..... "	640	1,197,580	536	885,030
Parts.....	-	785,848	-	364,443
<b>Stoves:</b>				
Coal, wood and sawdust-burning cooking stoves and ranges, including ranges with gas or electric extension..... No.	43,670	4,466,853	30,369	3,052,208
Coal, wood and sawdust-burning heating stoves and space-heaters, including all heaters, circulators, Quebec, box, oak, Franklin, globular and laundry..... "	54,518	894,011	42,242	643,412
Solid fuel and gas combination or oil and gas combination (not including stoves or ranges with gas extension)..... "	13,234	1,854,891	9,514	1,711,801
Solid fuel and electric combination or oil and electric combination (not including stoves or ranges with electric extension)..... "	8,939	1,600,534	8,275	1,833,984
Gas cooking stoves and ranges (not combinations), including all styles with ovens..... "	31,810	3,696,607	27,848	3,109,619

1. Includes shipments transferred to own fabricating mills of producing firms in 1954. These tonnages not included prior to 1954.

TABLE 9. Factory Shipments of Specified Products Made Principally of Iron and Steel, 1953 and 1954 — Concluded

Product	1953		1954	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
<b>Stoves — concluded:</b>				
Gas heating stoves and space-heaters .....	No. 9,253	293,893	5,792	183,197
Gas cooking plates — no oven .....	" 1,592	18,229	2,490	43,895
Electric cooking stoves or ranges (over 35 amperes), all styles with ovens .....	" 171,776	27,819,362	167,716	25,340,646
Electric rangettes, including cord attachment and oven as one unit .....	" 51,828	1,873,194	42,078	1,501,587
Electric cooking plates and grills, including stoves for glass coffee-makers .....	" 249,208	1,058,949	173,954	975,556
Oil (kerosene) and gasoline cooking stoves and ranges .....	" 36,862	359,028	41,644	435,722
Oil (kerosene) and gasoline heating stoves and space-heaters .....	" 2,156	31,375	1,874	28,545
Fuel oil (distillate) cooking stoves and ranges .....	" 11,534	1,083,289	8,273	1,188,577
Fuel oil (distillate) heating stoves and space-heaters .....	" 53,996	2,863,404	49,333	2,421,166
<b>Structural shapes, steel:</b>				
Quantity made .....	tons 272,220	—	183,542	—
Quantity sold .....	" 262,815	27,589,690	180,144	18,954,742
<b>Tacks, all kinds:</b>				
Quantity made .....	lb. 2,307,388	—	1,921,431	—
Quantity sold .....	" 2,506,781	851,609	2,051,754	601,554
<b>Thrashers and reaper-thrashers .....</b>				
	No. 21,870	61,825,147	12,891	37,433,104
<b>Tools:</b>				
Carpenters' and mechanics', including files .....	—	6,249,000	—	5,774,000
Machine knives .....	—	1,446,000	—	1,560,000
Drills, taps, bits, reamers, punches and dies (including screw plates) .....	—	5,231,000	—	3,605,000
Milling cutters .....	—	1,550,000	—	1,021,000
Gauges (plug, ring, snap, thread, etc.) .....	—	689,000	—	803,000
Other tools, jigs and fixtures .....	—	13,897,000	—	11,227,000
<b>Typewriters:</b>				
Portable .....	No. 62,570	2,875,678	46,001	2,377,617
Other .....	" 32,390	4,221,146	34,151	4,890,702
<b>Washing machines, domestic:</b>				
<b>Electric:</b>				
Automatic .....	No. 26,437	5,149,210	27,629	8,448,977
Conventional .....	" 211,278	21,747,767	192,198	18,780,608
Gasoline .....	" 10,118	1,164,607	6,411	712,684
<b>Weeders .....</b>				
	No. 2,206	474,441	2,216	607,541
<b>Windows, metal:</b>				
<b>Factory and commercial, including screws and accessories:</b>				
Steel .....	—	2,896,000	—	3,414,000
Aluminum .....	—	3,075,000	—	5,169,000
<b>Residential, including screws and accessories:</b>				
Steel .....	—	Included with "Factory"	Included with "Factory"	—
Aluminum .....	—	1,516,000	—	2,023,000
<b>Combination storm and screen:</b>				
Steel .....	—	681,000	—	628,000
Aluminum .....	—	2,558,000	—	4,098,000
<b>Wire, steel:</b>				
<b>Barbed:</b>				
Quantity made .....	tons 7,410	—	7,947	—
Quantity sold .....	" 7,278	1,209,228	8,033	1,220,068
<b>Galvanized:</b>				
Quantity made .....	tons 55,518	—	60,560	—
Quantity sold .....	" 24,713	5,100,698	28,585	6,076,003
<b>Other coated:</b>				
Quantity made .....	tons 2,101	—	1,666	—
Quantity sold .....	" 1,637	424,027	1,567	451,936
<b>Plain:</b>				
Quantity made .....	tons 252,026	—	254,922	—
Quantity sold .....	" 91,457	14,630,209	89,636	13,943,424
<b>Wire rope and cable, steel:</b>				
Quantity sold .....	tons 18,694	13,284,965	19,490	12,485,589
<b>Wire, twisted strand:</b>				
Quantity sold .....	tons 8,911	2,959,208	7,938	2,665,951



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