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PRIMARY IRON AND STEEL

DECEMBER - 1951

Pig Iron - Production of pig iron in Canada amounted to 220,537 tons in December compared with 198,169 tons in the corresponding month of last year. The total for the current month included 177,276 tons of basic iron, 11,613 tons of foundry iron and 31,648 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in December amounted to 20,675 tons compared with 22,271 tons in the previous month and with 15,341 tons in December of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during December totalled 296,545 tons compared with 291,242 tons in December of last year. Output in the month under review included 286,755 tons of ingots and 9,790 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1950 and 1951

	December - 1950		December - 1951	
	Tonnage made (*)	Tonnage sold	Tonnage made (*)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	149,387	5,037	177,276	19,706
Foundry	20,916	20,566	11,613	12,266
Malleable	27,866	27,866	31,648	30,993
Total Pig Iron	198,169	53,469	220,537	62,965
<u>Ferro-alloys</u> -	15,341	(x)	20,675	(x)

(*) Includes amounts for sale and for own use. (x) Not recorded.

Table 2 - Cumulative Production and Sales for the Twelve Months Ended December, 1950 and 1951

	1950		1951	
	Tonnage made (*)	Tonnage sold	Tonnage made (*)	Tonnage sold
(Net tons of 2,000 pounds)				
<u>Pig iron</u> -				
Basic	1,763,440	89,562	1,988,691	170,166
Foundry	230,874	226,795	285,395	278,191
Malleable	315,418	314,054	278,564	279,177
Total Pig Iron	2,309,732	630,411	2,552,650	727,534
<u>Ferro-alloys</u> -	174,186(+)	(x)	250,930	(x)

(x) Not recorded. (+) Revised. (*) Includes amounts for sale and for own use.

Table 3 - Iron Blast Furnace Charges During December, 1950 and 1951 and Twelve Months Ended December, 1951

	December	December	Twelve months ended
	1950	1951	December, 1951
(Net tons of 2,000 pounds)			
Iron ore	345,877	398,868	4,434,390
Mill cinder, scale, sinter, etc.	41,461	39,009	523,631
Limestone	74,092	87,602	957,034
Dolomite	12,506	17,194	171,996
Coke	185,620	210,555	2,376,298
Scrap iron and steel	6,939	4,408	71,235

Primary Iron and Steel

- 2 -

Table 4 - Iron Blast Furnaces

Name of Company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
Dominion Foundries & Steel Ltd. ..	Hamilton, Ontario	1	280,000
Dominion Steel and Coal Corp. Ltd.	Sydney, Nova Scotia	4	730,000
Canadian Furnace Limited	Port Colborne, Ontario	2	223,000
The Steel Company of Canada, Ltd..	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
	Total	15	3,025,000

Table 5 - Description of Iron Blast Furnaces at End of December, 1951

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	14	2,889,950	95.5
Banked .....	...	...	...
Blown out	1	135,050	4.5
Total	15	3,025,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production and Sales During December, 1950 and 1951

	December, 1950		December, 1951	
	Tonnage made (*)	Tonnage sold	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	241,364	14,284	245,094	14,560
Electric	40,110	3,571	41,661	6,713
Total Steel Ingots	281,474	17,855	286,755	21,273
Alloy steel ingots included in above	15,147	...	18,786	.44
<u>Steel castings</u>				
Open hearth - basic	2,887	2,746	3,014	2,664
Converter	19	19	6	45
Electric	6,862	5,648	6,770	5,753
Total Steel Castings	9,768	8,413	9,790	8,462
Alloy steel castings included in above:-				
(a) High alloy, except manganese and abrasion resistant			127	101
(b) High alloy, manganese and abrasion resistant	1,805	1,148	1,024	975
(c) All other alloys			438	191

(*) Includes amounts for sale and for own use.

Note: High alloy castings include all castings with any alloy content of eight per cent and over.

Table 7 - Cumulative Production and Sales for the Twelve Months Ended December, 1950 and 1951

	1950		1951	
	Tonnage made (*)	Tonnage sold	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	2,771,839	156,418	2,917,874	130,140
Electric	526,229	74,023	528,251	61,756
Total Steel Ingots	3,298,068	230,441	3,446,125	191,896
Alloy steel ingots included in above	192,025	...	204,691	5,464
<u>Steel castings</u>				
Open hearth - basic	22,538	20,535	31,483	28,071
Converter	201	186	276	239
Electric	63,324	49,572	89,477	70,922
Total Steel Castings	86,063	70,293	121,236	99,232
Alloy steel castings included in above (x)	18,795	11,564	23,689	15,291

(*) Includes amounts for sale and for own use.

(x) Breakdown not available for full period.

Primary Iron and Steel

- 3 -

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During December, 1950 and 1951, and Twelve Months Ended December, 1951

	December 1950	December 1951	Twelve months ended December, 1951
(Net tons of 2,000 pounds)			
Pig iron	145,571	159,106	1,838,273
Scrap - Own make	82,942	79,905	987,233
Purchased	87,687	86,580	1,059,193

Table 9 - Steel Furnace Capacity at End of December, 1951

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth	2,948,900
Electric	682,000
Total Ingots	3,630,900
Steel castings	305,200
Total Ingots and Castings.	3,936,100

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1950 and 1951

Month	Pig iron	Ferro-alloys	S t e e l				
			Ingots	Castings	Total steel		
(Net tons of 2,000 pounds)							
<u>1950</u>							
January	190,432	9,961	283,894	6,055	289,949		
February	157,200	9,652	251,890	6,233	258,123		
March	174,944	12,652(*)	287,719	6,584	294,303		
April	185,259	11,743(*)	272,936	6,384	279,320		
May	195,893	12,707	283,810	7,096	290,906		
June	198,462	15,350	269,816	6,607	276,423		
July	194,016	16,118	259,025	5,165	264,190		
August	201,830	19,018	275,099	6,213	281,312		
September	199,415	17,765	266,997	7,950	274,947		
October	205,811	16,959	285,654	8,274	293,928		
November	208,301	16,920	279,754	9,734	289,488		
December	198,169	15,341	281,474	9,768	291,242		
Total	2,309,732	174,186(*)	3,298,068	86,063	3,384,131		
<u>1951</u>							
January	201,086	19,062	299,410	10,243	309,653		
February	193,227	14,914	271,222	10,158	281,380		
March	220,603	19,451	304,281	10,545	314,826		
April	211,112	19,552	301,764	10,241	312,005		
May	218,989	23,542	302,928	10,384	313,312		
June	213,184	19,774	283,664	9,851	293,515		
July	210,263	17,608	266,646	7,956	274,602		
August	203,186	25,327	277,931	8,873	286,804		
September	212,485	22,977	257,880	10,350	268,230		
October	224,511	25,777	298,159	11,255	309,414		
November	223,467	22,271	295,485	11,590	307,075		
December	220,537	20,675	286,755	9,790	296,545		
Total	2,552,650	250,930	3,446,125	121,236	3,567,361		

(*) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 247,559 net tons in December, 1951 compared with 250,255 tons in December, 1950. The December shipments included 2,819 tons of semi-finished shapes, 17,021 tons of structurals, 16,614 tons of plates, 21,452 tons of rails, 6,640 tons of tie plates and track material, 48,382 tons of hot rolled bars, 17,206 tons of pipes and tubes, 27,167 tons of wire rods, 18,758 tons of black sheets, 9,274 tons of galvanized sheets, 10,068 tons of castings, and 46,713 tons of other rolled products. The amount of producers' interchange was 137,652 tons in December, 1951 as against 107,222 tons in December, 1950.

Of the amounts shipped for sale during December, 52,273 tons went direct to railways and railway car shops; 11,718 tons went to pressing, forming and stamping plants; 34,235 tons to merchant trade products; 28,741 tons to building construction; 25,907 tons to the containers industry; 12,395 tons to agricultural equipment; 15,727 tons to the automotive industry; 15,067 tons to machinery plants; 2,678 tons to shipbuilding; 8,418 tons to mining, lumbering, etc., and 11,466 tons to miscellaneous industries, including National Defence and Public Works and Utilities; wholesalers and warehousing accounted for 22,841 tons, and exports for 6,093 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 137,652 tons in December, 1951.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, December, 1951

	Production (Including producers' interchange)	Shipments For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon Steel</u>			
Billets, etc., for forging	7,681	4,955	2,900
Other semi-finished shapes, not for re-rolling			
by makers	46,952	2,819	40,018
Structural shapes and piling	16,542	17,021	...
Plates	17,681	16,558	...
Rails	17,707	21,452	...
Tie plates and track material: Splice bars .....	...	21	...
Tie plates	5,996	5,247	...
Spikes	1,352	1,372	...
Concrete reinforcing bars	11,489	10,715	...
Hot rolled bars for cold finishing	192	...	172
Other hot rolled bars	47,073	39,240	7,662
Pipes and tubes	15,587	17,206	...
Wire rods	25,017	27,109	131
Hot rolled black sheets	60,821	5,288	54,764
Cold reduced black sheets	19,777	13,470	6,953
Galvanized sheets	9,101	9,274	...
Steel castings	8,197	8,489	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	51,465	34,811	24,726
Total - Carbon Steel	362,630	235,047	137,326

Alloy Steel

Billets, etc., for forging	581	490	...
Other semi-finished shapes, not for re-rolling			
by makers	326	...	326
Structural shapes and piling .....	...	...	...
Plates	144	56	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	8,724	9,142	...
Pipes and tubes .....	...	...	...
Wire rods	58	58	...
Steel castings	1,880	1,579	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	1,524	1,187	...
Total - Alloy Steel	13,237	12,512	326

Note: Figures shown under "Producers' interchange" represent the amounts shipped to producers' own plants or to other plants within the primary industry, for further processing, e.g., black sheets to galvanizing department, hot rolled bars to make railway track material, etc.

Primary Iron and Steel

- 5 -

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Twelve Months Ended December, 1951

	Production (Including producers' interchange)	Shipments	
		For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	108,007	61,339	49,715
Other semi-finished shapes, not for re-rolling by makers	516,114	33,127	489,334
Structural shapes and piling	215,356	194,273	8
Plates	195,195	194,386	...
Rails	257,244	255,512	...
Tie plates and track material - Splice bars ...	18,655(*)	17,631(*)	...
Tie plates	67,587(*)	66,636(*)	...
Spikes	16,049	16,353	...
Concrete reinforcing bars	148,226	146,078	...
Hot rolled bars for cold finishing	8,668	...	8,726
Other hot rolled bars	536,267	454,479	98,986
Pipes and tubes	248,716	260,547	14
Wire rods	317,310	317,230	712
Hot rolled black sheets	822,537	188,403	630,633
Cold reduced black sheets	227,409	162,199	63,188
Galvanized sheets	112,587	113,393	239
Steel castings	97,519	94,453	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip and axles and all other)	729,876	394,732	333,726
Total - Carbon Steel	4,643,322	2,971,371	1,675,281
<u>Alloy Steel</u>			
Billets, etc., for forging	15,759	15,405	924
Other semi-finished shapes, not for re-rolling by makers	4,421	...	4,430
Structural shapes and piling .....	...	...	...
Plates	2,240	2,265	...
Hot rolled bars for cold finishing	82	...	65
Other hot rolled bars	95,998	95,645	170
Pipes and tubes .....	...	...	...
Wire rods	936	967	...
Steel castings	24,779	22,817	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip and axles and all other)	13,283	12,537	...
Total - Alloy Steel	157,498	149,636	5,589

(*) Revised.

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal
Consuming Industries, December and Year to Date, 1951

	December		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	9,244	6,483	170,154	79,940
Agricultural, including farm machinery	12,044	351	143,664	4,124
Building construction	28,691	50	383,661	1,076
Containers industry	25,861	46	301,383	155
Machinery and tools	13,954	1,113	153,747	12,710
Merchant trade products	33,768	467	407,328	4,917
Mining, lumbering, etc.	7,294	1,124	118,935	13,440
National defence	7,857	514	46,112	7,158
Pressing, forming and stamping	11,582	136	176,197	2,561
Public works and utilities	2,108	30	27,207	464
Railway operating	34,684	211	415,004	3,229
Railway cars and locomotives	17,276	102	188,567	2,269

Primary Iron and Steel

- 6 -

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, December and Year to Date, 1951 (Concluded)

	December		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Shipbuilding	2,572	106	39,250	1,081
Miscellaneous and unclassified	706	251	16,751	3,034
Wholesalers and warehouses	22,676	165	323,693	2,685
Direct export (a) to British Empire	493	953	5,208	3,408
(b) to other countries ...	4,237	410	54,510	7,385
Total Shipped for Sale	235,047	12,512	2,971,371	149,636
Producers' interchange	137,326	326	1,675,281	5,589

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951

Commodity	Country of origin	December			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Pig iron -							
Basic	United States	166	...	...	1,786	...	...
	Germany	...	...	...	1,471	...	...
Foundry	United States	56	...	...	56	...	...
	Germany	...	...	...	10,079	...	...
Malleable	United States	...	...	...	341	...	...
	United Kingdom	...	...	...	169	...	...
Special	United States	...	...	...	542	...	...
	Holland	...	...	...	110	...	...
Ingots	United States	9,488	...	...	89,615	156	...
	Germany	...	...	...	112	...	...
Billets, blooms, slabs and sheet bars .	United States	...	4	...	550	592	...
	United Kingdom	...	...	...	...	10	...
	Germany	...	...	...	545	...	...
Tube rounds and tube billets	United States	119	1	3.5	4,096	1	3.5
Bars and sections -							
Hot rolled, n.o.p.	United States	5,443	12	16.7	48,666	3,882	271.6
	United Kingdom	171	1	.6	10,636	887	60.5
	Belgium	2,304	...	...	32,126	...	...
	France	1,471	...	...	18,324	...	...
	Japan	660	...	...	1,520	...	...
	Germany	921	...	...	14,899	5	...
	Sweden	...	...	...	43	10	...
	Austria	...	...	...	465	...	...
Hot rolled -							
For agricultural implements	United States	5,589	...	...	21,414	633	...
	United Kingdom	6	...	...	279	...	...
Rounds over 4 ⁷ " ⁸ , squares over 4" ..	United States	28	4	...	646	110	...
	United Kingdom	1	...	...	397	58	.5
Angles, channels, etc.	United States	415	1	.6	6,053	129	47.0
	Belgium	582	...	...	11,363	...	...
	United Kingdom	...	...	...	6,873	...	.8
	France	225	...	...	3,409	...	...
	Germany	...	...	...	889	...	...
Structurals (bar sizes) for agri- cultural implements	United States	890	...	...	6,606	...	2.2
	United Kingdom	27	...	...	857	...	...
	France	...	...	...	152	...	...
Sash or casement sections	United States	292	...	...	3,588	...	...
	Belgium	...	...	...	512	...	...
	United Kingdom	...	...	...	97	...	...
	Germany	...	...	...	27	...	...

Primary Iron and Steel

- 7 -

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	December			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and sections - (concluded)							
Cold rolled, n.c.o.p.	United States	51	10	.1	4,362	259	50.3
	United Kingdom	460	1	.3	3,745	112	17.6
	Belgium	25	...	...	371	...	...
	Sweden	...	...	...	200	33	...
	Germany	...	...	1.9	1,115	...	1.9
	France	77	...	...	782	...	...
Cold rolled, for agricultural implements	United States	283	...	...	5,054	49	4.0
	United Kingdom	5	...	...	273	16	...
	France	385	...	...	385	...	...
Tool steel	United States	31	60	...	387	1,319	...
	United Kingdom	2	40	...	651	979	...
	Sweden	...	...	...	...	6	...
Structurals	United States	17,462	...	...	184,836	6	1.3
	United Kingdom	1,712	7	...	30,039	18	...
	Belgium	4,062	...	...	69,446	...	...
	France	1,124	...	...	11,325	...	...
	Germany	644	...	...	1,446	...	...
 Plates -							
78" and under in width	United States	5,662	10	62.3	55,703	171	640.6
	United Kingdom	1,260	...	...	34,754	13	108.5
	France	342	...	...	13,656	...	106.6
	Germany	1,736	...	...	10,673	...	...
	Japan	1,464	...	...	5,627	...	...
	Belgium	201	...	...	13,295	...	56.1
	Austria	11	...	...	94	...	...
Over 78" and under 100" in width	United States	5,597	...	...	25,908	34	51.1
	United Kingdom	917	...	...	26,892	...	28.7
	Belgium	...	...	...	327	...	...
	France	...	...	...	244	...	...
	Austria	...	...	...	44	...	...
	Germany	...	...	...	576	...	...
100" in width and over	United States	373	...	...	5,254	19	4.5
	United Kingdom	4	...	...	1,068	...	1.2
	Belgium	...	...	...	542	...	...
	Germany	...	...	...	285	...	...
Flanged, dished or curved	United States	214	...	...	2,588	...	26.3
	United Kingdom	...	...	...	813	...	...
Boiler, pulp-mill digesters	United States	326	...	...	4,565	...	36.2
	United Kingdom	68	...	...	2,151	...	...
	Belgium	...	...	...	21	...	...
	France	...	...	...	27	...	...
	Japan	27	...	...	27	...	...
Chequered or surface pattern	United States	461	...	...	5,473	...	...
	United Kingdom	...	...	...	1,060	...	...
Painted	United States	...	...	...	2	...	...
 Sheets -							
Silicon .075 or more	United States	...	2,024	...	...	26,662	...
	United Kingdom	...	81	...	...	1,457	...
Galvanized	United States	1,477	...	...	11,752	...	...
	United Kingdom	190	...	...	4,366	...	...
	France	22	...	...	332	...	...
	Germany	...	...	...	63	...	...
	Belgium	...	...	...	270	...	...
 Hot rolled -							
18 gauge and heavier	United States	6,432	39	92.3	79,614	485	770.4
	Germany	445	...	...	9,792	45	5.9
	Belgium	91	...	...	15,745	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	December			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
(Tons of 2,000 pounds)								
Sheets - (Concluded)								
Hot rolled - (concluded)								
18 gauge and heavier	United Kingdom	513	...	...	9,011	77	206.3
France	298	...	...	7,397	...	...	...
Sweden	66	...	...	221	...	...	...
Japan	220	...	...	1,255	...	...	...
Lighter than 18 gauge	United States	625	5	37.9	6,238	135	252.5	
United Kingdom	31	...	...	1,912	3	22.9	...
Belgium	...	...	...	2,504	...	...	...
France	...	...	...	1,638	...	...	...
Japan	...	...	...	572	...	...	...
Germany	...	...	...	905	...	...	...
For hollow ware (vitreous enamel)	United States	96	...	...	2,850	...	...
United Kingdom	...	...	...	33	...	...	...
Belgium	...	...	...	55	...	...	...
France	...	...	...	1,161	...	...	...
Germany	...	...	...	426	...	...	...
Corrugated	United States	685	...	...	4,432	...	...
United Kingdom	...	...	...	242	...	...	...
Coated with paint, tar, asphaltum, etc.	United States	42	...	...	790	...	...
Germany	...	...	...	46	...	...	...
For saws	United States	...	73	...	228	1,121	...	
United Kingdom	...	4	...	5	123	...	...
For cold rolled strip	United States	...	...	...	153	...	...
For tubes	United States	196	...	...	1,516	...	...
Cold rolled -								
18 gauge and heavier	United States	1,283	...	69.7	19,035	26	1,303.2	
United Kingdom	94	...	...	3,970	26	128.8	...
Belgium	31	...	...	287	4	...	...
Italy	...	...	...	827	...	...	...
Germany	8	...	...	831	...	...	...
France	...	...	...	304	...	...	...
Lighter than 18 gauge	United States	2,540	25	124.1	38,435	86	2,103.1	
United Kingdom	77	...	3.7	3,367	1	95.2	...	
Sweden	...	...	...	1	...	...	...
France	...	...	...	297	...	...	...
Belgium	...	...	...	2,591	...	...	...
Germany	...	...	...	329	...	...	...
For hollow ware (vitreous enamel)	United States	320	...	...	10,158	...	...
United Kingdom	...	...	...	2,421	...	...	...
France	...	...	...	175	...	...	...
Belgium	...	...	...	649	...	...	...
Germany	...	...	...	474	...	...	...
Black plate - Tin mill	United States	7	...	...	741	...	...
United Kingdom	...	...	...	76	...	...	...
Coated with paint, tar, asphaltum, etc.	United States	97	...	...	695	...	...
United Kingdom	...	...	...	83	...	...	...
Sweden	...	...	...	25	...	...	...
Germany	...	...	...	45	...	...	...
For heating apparatus	United States	40	...	...	938	...	...
For saws	United States	1	4	...	88	122	...	
Sweden	...	...	...	1	9	...	...
For tubes	United States	472	...	...	7,530	...	...
Tin plate - Primes	United States	159	...	...	433	...	...
United Kingdom	8	...	...	720	...	...	...
Seconds	United Kingdom	...	...	...	20	...	...
Electrolytic 25#	United States	...	...	...	404	...	...
Terne plate - Long	United States	290	...	...	5,398	...	...
United Kingdom	...	...	...	108	...	...	...
Short	United States	63	...	...	2,729	...	...
United Kingdom	...	...	...	121	...	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	December			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
(Tons of 2,000 pounds)								
Strip -								
Hot rolled -								
18 gauge and heavier	United States	776	2	...	15,967	53	30.0	
	United Kingdom	...	...	.1	826	8	16.5
	Belgium	67	...	...	1,089	...	...
	France	...	...	...	301	...	...
	Germany	...	...	...	147	...	...
Lighter than 18 gauge	United States	192	5	13.3	1,488	10	60.2	
	United Kingdom	...	...	.1	92	...	.1
	Belgium	202	...	...	865	...	...
	France	...	...	...	47	...	...
For cold rolling	United States	115	...	...	2,439	...	...
	United Kingdom	...	...	...	13	...	...
Painted	United States	...	...	...	2,800	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	72	...	...	1,140	30	...
For saws	United States	10	10	...	265	454	...	
	United Kingdom	...	...	...	3	7	...
	Sweden	...	...	...	18	...	...
For motor vehicles	United States	1,410	...	...	18,587	...	...
	Belgium	...	...	...	20	...	...
For hoops	United States	27	...	...	2,233	...	...
	United Kingdom	...	...	...	880	...	...
	Belgium	...	...	...	1,582	...	...
	Sweden	...	...	...	6	...	...
For tubes	United States	91	2	...	1,651	6	...	
	Belgium	...	...	...	619	...	...
For tubular products	United States	34	...	...	165	...	...
Silicon .075 or more	United States	...	...	...	...	1,805	...
Cold rolled -								
18 gauge and heavier	United States	124	2	24.2	4,991	220	445.8	
	United Kingdom	...	...	...	530	1	1.9
	Sweden	...	...	...	21	...	6.6
	Germany	...	...	...	6	...	...
	Belgium	...	...	...	98	...	...
Lighter than 18 gauge	United States	176	22	65.6	5,923	345	1,616.3	
	Sweden	20	...	...	495	72	...
	United Kingdom	14	...	1.1	440	18	11.2	
	France	...	...	...	107	...	...
	Belgium	...	...	...	25	4	...
	Germany	...	...	...	238	...	...
Painted	United States	613	...	...	6,236	...	...
	Germany	...	...	...	69	...	...
	United Kingdom	...	...	...	7	...	...
For shoe and corset laces, buckles, ball bearings, etc.	United States	24	...	...	532	...	...
	United Kingdom	...	...	...	117	...	...
For saws	United States	3	58	...	107	324	...	
	Sweden	...	5	...	4	93	...	
	United Kingdom	...	...	...	2	...	...
For tubes	United States	301	...	...	4,580	...	...
	France	...	...	...	271	...	...
	Germany	...	...	...	48	...	...
	Belgium	...	...	...	329	...	...
For tubular products	United States	104	...	...	2,098	...	.6
For butt hinges	United States	172	...	...	1,695	...	...
	United Kingdom	...	...	...	85	...	...
Silicon .075 or more	United States	...	...	...	...	50	...
For hoops	United States	22	...	...	86	...	...
	United Kingdom	...	...	...	7	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	December			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Galvanized strip	United States	3,602	...	...	8,570	...	...
	United Kingdom	12	...	...	497	...	...
	Germany	...	...	...	110	...	...
Skelp -							
15 ³ / ₈ " in width	United States	3,249	...	...	100,019	...	...
	France	...	...	...	3,343	...	...
	Belgium	...	...	...	11,946	...	...
	United Kingdom	1,357	...	...	20,686	...	...
	Germany	110	...	...	110	...	...
Over 15 ³ / ₈ " in width	United States	209	...	...	1,570	...	...
	Germany	...	...	...	411	...	...
Plate	United States	172	...	...	2,946	...	...
Pipes and tubes -							
Cast	United States	58	...	...	888	...	...
	United Kingdom	1,045	...	...	15,827	...	...
	Germany	...	...	...	2,845	...	...
	Sweden	...	...	...	231	...	...
Bedstead	United States	2	...	...	344	...	.2
	France	...	...	...	22	...	...
	United Kingdom	...	...	...	42	...	...
	Belgium	...	...	...	11	...	...
	Denmark	...	...	...	9	...	...
	Sweden	120	...	...	120	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	353	8	...	4,207	88	.1
	United Kingdom	177	...	...	2,320	...	...
	Sweden	...	...	...	86	...	...
	France	...	...	...	267	...	...
Cold drawn	United States	245	...	...	1,115	94	21.5
	United Kingdom	62	...	...	2,928	2	38.0
	Sweden	...	...	...	20	46	1.7
Welded	United States	70	...	...	792	73	2.9
	United Kingdom	59	...	...	139	...	.6
Seamless, 12" and under in diameter -							
Cold drawn	United States	365	130	9.1	5,757	1,049	163.2
	United Kingdom	177	2	6.9	2,536	97	210.7
	Sweden	10	33	...	598	33	...
	Germany	...	...	...	19	...	...
Hot finished	United States	575	120	.4	6,937	1,446	12.7
	United Kingdom	109	...	...	5,359	2	3.6
	Czechoslovakia	...	...	...	1	...	...
	Germany	146	...	...	189	...	...
	France	...	...	...	325	...	...
	Sweden	...	...	...	...	27	...
Seamless, over 12" in diameter -							
Hot finished	United States	25	...	...	2,987	5	...
	United Kingdom	...	...	...	16,847	...	...
Welded, 4" and under in diameter	United States	233	...	3.0	7,059	103	40.5
	United Kingdom	219	...	...	7,438	...	1.6
	Belgium	...	...	...	755	...	...
	Czechoslovakia	...	...	...	43	...	...
	Holland	...	...	...	1,143	...	...
	Germany	...	...	...	26	...	...
	France	...	...	...	130	...	...
Welded, over 4" in diameter	United States	344	...	...	3,033	...	.6
	United Kingdom	...	...	...	2,010	...	...
	Germany	...	...	...	80	...	...
	Belgium	...	...	...	27	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Continued)

Commodity	Country of origin	December			Year to date			
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less	
(Tons of 2,000 pounds)								
Pipes and tubes - (concluded)								
Tubing -								
Not over $\frac{1}{2}$ " diameter, welded and coated	United States	44	...	...	474	...	...
Spiral welded	United States	102	...	...	2,676	...	...
Casings	United States	3,697	...	...	57,802	...	...
	United Kingdom	30	...	...	7,528	...	...
	Germany	...	...	...	2,316	...	...
	Netherlands	...	...	...	35	...	...
	Belgium	...	...	...	2,071	...	...
	France	...	...	...	514	...	...
	Italy	57	...	...	57	...	...
Fittings and couplings	United States	245	...	2.0	4,437	...	41.8	
	United Kingdom	3	...	...	540	...	...
	Germany	...	...	...	58	...	...
Wire rope								
	United States	36	...	.2	731	...	37.3
	United Kingdom	33	...	...	1,545	...	...
	Belgium	...	...	...	1	...	...
	Germany	...	...	...	219	...	...
	Holland	...	...	...	8	...	...
	France	...	...	...	2	...	...
Wire for rope	United States	326	...	...	8,713	...	3.0
	United Kingdom	289	...	...	8,219	...	...
	Norway	...	...	...	30	...	...
	Belgium	...	...	...	256	...	...
	Germany	...	...	...	61	...	...
Wire - For fencing, galvanized	United States	...	...	...	32	...	...
For corset laces, steels, etc. .	United States	...	...	...	153	...	...
	United Kingdom	...	...	...	31	...	...
For spring mattresses, etc.	United States	171	...	...	4,837	...	...
	United Kingdom	...	...	...	132	...	...
	Czechoslovakia	...	...	...	100	...	...
	Belgium	...	...	...	36	...	...
	Germany	...	...	...	43	...	...
Wire cloth and netting	United States	69	...	...	1,536	...	.9
	United Kingdom	2	...	...	487	...	...
	Germany	...	...	...	39	...	.3
Wire, coated	United States	98	...	...	2,258	...	...
	United Kingdom	57	...	...	404	...	...
	France	...	...	...	106	...	...
	Germany	...	...	...	2	...	...
	Belgium	11	...	...	11	...	...
Wire, all other	United States	359	22	2.7	8,199	204	63.0	
	United Kingdom	2	...	...	373	4	17.6
	Germany	...	...	.7	623	3	.7
	France	...	...	...	92	...	...
	Sweden	...	...	...	48	3	.2
	Belgium	50	...	...	655	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter	United States	17	...	...	1,383	...	...
	France	220	...	...	2,004	...	...
	Belgium	...	...	...	1,620	...	...
	Germany	390	...	...	2,330	...	...
	United Kingdom	...	...	...	429	...	...
	Sweden	...	...	...	223	...	...
Welding wire and welding rods	United States	166	6	.9	1,040	192	138.5	
	United Kingdom	...	...	...	...	1	36.5

Table 14 - Imports of Primary Forms of Iron and Steel, December and Year to Date, 1951 (Concluded)

Commodity	Country of origin	December			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Castings -							
For agricultural implements	United States	253	...	...	3,105	56	...
	United Kingdom	...	...	...	15	...	...
For ingot moulds	United States	1,156	...	...	23,399	...	...
	United Kingdom	...	...	...	1,361	...	...
Malleable	United States	412	...	...	1,102	...	...
Non-malleable	United States	96	...	...	1,256	...	...
	United Kingdom	...	...	...	50	...	...
Steel	United States	37	...	...	712	182	...
	Norway	...	...	...	45	...	...
	United Kingdom	...	...	...	29	...	...
For railway vehicles	United States	...	...	...	398	...	...
	France	...	...	...	696	...	...
Rolls	United States	50	...	...	2,541	624	...
	United Kingdom	...	...	...	203	55	...
Piston rings (rough)	United States	8	...	...	440	...	...
Forgings	United States	110	...	...	1,861	891	12.0
	United Kingdom	86	...	...	1,470	488	...
	Germany	...	...	...	39	...	...
Wheels - For railway rolling stock	United States	22	...	...	1,246	...	...
	United Kingdom	684	...	...	10,866	...	...
Tires - For railway rolling stock	United States	...	...	...	1,229	...	...
	United Kingdom	78	...	...	11,020	19	...
Rails - 60 lb. and under	United States	22	...	...	1,068	...	...
	Belgium	34	...	...	1,473	...	...
	France	...	...	...	67	...	...
	Germany	...	...	...	440	...	...
	United Kingdom	...	...	...	80	...	...
Over 60 lb. and including 100 lb.	United States	67	...	...	3,580	...	...
	United Kingdom	...	...	...	4,719	...	...
	Belgium	...	...	...	23	...	...
Over 100 lb.	United States	...	...	...	105	...	...
	United Kingdom	...	...	...	91	...	...
Axles - For railway vehicles	United States	...	...	...	78	...	...
	United Kingdom	...	...	...	334	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	334	...	...	2,103	...	...
	Belgium	4	...	...	548	...	...
	France	...	...	...	2	...	...
	United Kingdom	...	...	...	1,049	...	...
	Germany	...	...	...	24	...	...
Intersections, switches, frogs	United States	5	...	...	614	...	...
	Germany	...	...	...	1	...	...
Total Imports	United States	89,441	2,659	528.6	1,030,563	44,301	8,258.9
All other		28,924	174	15.4	599,784	4,875	1,189.3
TOTAL		118,365	2,833	544.0	1,630,347	49,176	9,448.2

Table 15 - Exports of Primary Iron and Steel, December and Year to Date, 1951

	December	Year to date
	(Tons of 2,000 pounds)	
Pig iron	35,139	223,635
Ingots, blooms and billets	4,434	39,038
Bars	2,288	13,729
Rods .....	...	336
Plates, sheets and strips	2,401	28,383
Rails .....	...	...
Structural shapes	383	3,291
Pipe and tubing - Wrought iron	11	3,645
Cast iron	135	937
Galvanized	54	1,679
Other	196	1,578
Castings, iron and steel	749	18,274
Forgings	1,067	6,969
 Total	 46,857	 341,494

