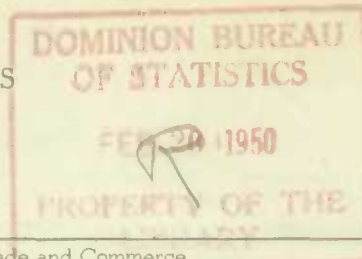




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PRIMARY IRON AND STEEL IN CANADA

NOVEMBER - 1949

Pig Iron - Production of pig iron in Canada amounted to 157,327 net tons in November compared with 166,771 tons in the corresponding month of last year. The total for the current month included 130,851 tons of basic iron, 20,950 tons of foundry iron and 5,526 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in November amounted to 14,758 net tons compared with 15,456 tons in the previous month and with 17,594 tons in November 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 November totalled 259,722 net tons compared with 277,978 tons in November of last year. Output in the month under review included 253,213 tons of ingots and 6,509 tons of castings.

Primary Steel Shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 239,797 net tons in November, 1949 compared with 206,291 tons in October. The November shipments included 7,955 tons of semi-finished shapes, 11,327 tons of structurals, 12,540 tons of plates, 31,777 tons of rails, 8,573 tons of tie plates and track material, 47,277 tons of hot rolled bars, 16,549 tons of pipes and tubes, 23,138 tons of wire rods, 26,326 tons of black sheets, 8,118 tons of galvanized sheets, 6,189 tons of castings, and 13,370 tons of other rolled products. The amount of producers' interchange was 72,690 tons in November as against 63,995 tons in October.

Of the amounts shipped for sale during November, 42,198 tons went direct to railways and railway car shops; 15,512 tons went to pressing, forming and stamping plants; 27,156 tons to merchant trade products; 33,041 tons to building construction; 16,583 tons to the containers industry; 13,958 tons to agricultural equipment; 13,547 tons to the automotive industry; 9,698 tons to machinery plants; 1,377 tons to shipbuilding; 8,053 tons to mining, lumbering, etc., and 1,174 tons to miscellaneous industries; wholesalers and warehousing accounted for 30,246 tons, and exports for 25,404 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 72,690 tons in November, 1949.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During October, 1949 and November, 1949

	October			November		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	140,281	1,055	141,336	128,884	1,967	130,851
Foundry	2,500	16,939	19,439	1,400	19,550	20,950
Malleable .....	...	5,245	5,245	...	5,526	5,526
Total Pig Iron ...	142,781	23,239	166,020	130,284	27,043	157,327
<u>Ferro-alloys</u> - .....	...	15,456	15,456	...	14,758	14,758

Table 2 - Cumulative Production for the Eleven Months Ended November, 1948 and 1949

	1948			1949		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron</u> -						
Basic	1,659,711	80,176	1,739,887	1,595,436	60,690	1,656,126
Foundry	23,696	194,247	217,943	7,290	187,038	194,328
Malleable .....	...	163,079	163,079	...	131,896	131,896
Total Pig Iron ...	1,683,407	437,502	2,120,909	1,602,726	379,624	1,982,350
<u>Ferro-alloys</u> - .....	...	250,659	250,659	...	199,750	199,750

This report was prepared in the Mining, Metallurgical and Chemical Section.

Table 3 - Iron Blast Furnace Charges During October and November, 1949 and Eleven Months Ended November, 1949

	October	November	Eleven months ended
	1949	1949	November, 1949
	(Net tons of 2,000 pounds)		
Iron ore	289,129	274,457	3,507,142
Mill cinder, scale, sinter, etc. ..	42,649	40,954	436,319
Limestone	58,880	61,285	767,523
Dolomite	12,533	10,296	108,900
Coke	155,574	152,450	1,861,831
Scrap iron and steel	6,452	7,908	93,895

Table 4 - Iron Blast Furnaces in Canada

Name of company	Location of furnaces	Number of stacks	Total annual capacity (net tons)
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	14	2,745,000

Table 5 - Description of Iron Blast Furnaces at End of November, 1949

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	per cent
In blast	10	2,299,900	83.8
Banked .....	...	...	...
Blown out	4	445,100	16.2
Total	14	2,745,000	100.0

(b) Steel Ingots and Steel Castings

Table 6 - Production During October and November, 1949

	October			November		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Steel Ingots</u>						
Open hearth - Basic	214,205	4,857	219,062	207,432	7,780	215,212
Electric	32,614	1,289	33,903	34,415	3,586	38,001
Total Steel Ingots ...	246,819	6,146	252,965	241,847	11,366	253,213
Alloy steel ingots included in above	12,568	...	12,568	14,530	...	14,530
<u>Steel Castings</u>						
Open hearth - Basic	168	1,482	1,650	183	1,885	2,068
Converter	3	...	3	1	...	1
Electric	977	3,296	4,273	1,087	3,353	4,440
Total Steel Castings .	1,148	4,778	5,926	1,271	5,238	6,509
Alloy steel castings included in above	163	966	1,129	503	705	1,208
TOTAL INGOTS AND CASTINGS..	247,967	10,924	258,891	243,118	16,604	259,722

Table 7 - Cumulative Production for the Eleven Months Ended November, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Ingots</u>						
Open hearth - Basic	2,326,921	65,403	2,392,324	2,366,941	107,092	2,474,033
Electric	424,364	1,211	425,575	348,151	9,301	357,452
Total Steel Ingots ...	2,751,285	66,614	2,817,899	2,715,092	116,393	2,831,485
Alloy steel ingots included in above	140,557	...	140,557	136,387	...	136,387
<u>Steel Castings</u>						
Open hearth - Basic	1,935	29,626	31,561	2,030	25,859	27,889
Converter	42	358	400	23	57	80
Electric	11,855	59,516	71,371	12,661	50,866	63,527
Total Steel Castings..	13,832	89,500	103,332	14,714	76,782	91,496
Alloy steel ingots included in above	5,755	10,311	16,066	5,283	9,682	14,965
TOTAL INGOTS AND CASTINGS	2,765,117	156,114	2,921,231	2,729,806	193,175	2,922,981

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During October and November, 1949 and Eleven Months Ended November, 1949

	October	November	Eleven Months Ended
	1949	1949	November, 1949
(Net tons of 2,000 pounds)			
Pig iron	143,707	136,896	1,604,192
Scrap - Own make	85,130	84,827	877,130
Purchased	57,612	64,760	748,167

Table 9 - Steel Furnace Capacity at End of November, 1949

	Annual Capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,024,000
Electric	676,000
Total Ingots	3,700,000
Steel castings	300,000
Total Ingots and Castings	4,000,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Month	Pig Iron	Ferro-alloys	S t e e l		Total steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 8</u>					
January	160,042	17,125	247,768	8,958	256,726
February	151,123	11,823	230,183	9,463	239,646
March	172,675	14,293	275,349	10,677	286,026
April	170,785	14,474	254,315	9,951	264,266
May	193,305	18,436	279,688	9,879	289,567
June	183,763	13,502	249,710	9,655	259,365
July	187,940	12,939	238,104	6,768	244,872
August	191,383	12,700	254,362	8,692	263,054
September	182,465	12,318	248,622	9,243	257,865
October	186,424	19,489	272,127	9,739	281,866
November	166,771	17,594	267,671	10,307	277,978
December	174,233	23,708	271,128	9,297	280,425
Total	2,120,909	250,659(*)	3,089,027	112,629	3,201,656
<u>1 9 4 9</u>					
January	183,074	21,931	275,987	8,720	284,707
February	172,724	21,713	249,009	10,262	259,271
March	202,130	22,457	287,885	10,576	298,461
April	180,740	24,427	260,319	9,649	269,968
May	202,148	20,652	283,808	9,371	293,179
June	194,255	19,264	261,476	8,979	270,455
July	175,381	14,280	232,499	6,331	238,830
August	180,115	12,562	241,442	7,307	248,749
September	168,436	12,250	232,882	7,866	240,748
October	166,020	15,456	252,965	5,926	258,891
November	157,327	14,758	253,213	6,509	259,722
Total - Eleven Months.	1,982,350	199,750	2,831,485	91,496	2,922,981

(*) Total includes revised figures for January to October not available on monthly basis.

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	5,561	7,108	658
Other semi-finished shapes, not for re-rolling by makers			30,887
Structural shapes and piling	41,884	7,955	...
Plates	13,528	11,327	...
Rails	12,647	12,489	...
Tie plates and track material - Splice bars ..	32,075	31,777	...
	20	45	...
	8,482	8,140	...
	620	388	...
Concrete reinforcing bars	6,724	8,496	...
Hot rolled bars for cold finishing	649	...	667
Other hot rolled bars	49,207	40,342	10,147
Pipes and tubes	17,392	16,549	...
Wire rods	23,883	22,974	337
Hot rolled black sheets	18,682	12,332	5,961
Cold reduced black sheets	15,903	13,994	1,466
Galvanized sheets	8,522	8,118	21
Steel castings	5,049	4,834	...
Miscellaneous hot rolled products	27,911	4,659	22,468
All other products	18,546	18,408	...
Total - Carbon Steel	307,285	229,935	72,612

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, November, 1949
(Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel</u>			
Billets, etc., for forging	530	857	...
Other semi-finished shapes, not for re-rolling by makers .....	...	...	...
Structural shapes and piling .....	...	...	...
Plates	116	51	...
Rails .....	...	...	...
Tie plates and track material - Splice bars ..	...	...	...
Tie plates ...	...	...	...
Spikes .....	...	...	...
Concrete reinforcing bars .....	...	...	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	6,399	6,935	78
Pipes and tubes .....	...	...	...
Wire rods	159	164	...
Hot rolled black sheets .....	...	...	...
Cold reduced black sheets .....	...	...	...
Galvanized sheets .....	...	...	...
Steel castings	1,393	1,355	...
Miscellaneous hot rolled products	151	215	...
All other products	186	285	...
Total - Alloy Steel	8,934	9,862	78

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.

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended
November, 1949

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Carbon Steel</u>			
Billets, etc., for forging	80,028	55,614	25,199
Other semi-finished shapes, not for re-rolling by makers	457,523	42,435	426,161
Structural shapes and piling	164,075	157,849	...
Plates	166,996	167,602	73
Rails	299,128	308,225	...
Tie plates and track material -			
Splice bars	14,486	14,471	...
Tie plates	42,816	42,514	...
Spikes	9,763	9,504	...
Concrete reinforcing bars	82,350	81,380	...
Hot rolled bars for cold finishing	10,321	23	10,152
Other hot rolled bars	473,770	408,059	69,624
Pipes and tubes	190,415	185,419	...
Wire rods	269,852	265,324	3,943
Hot rolled black sheets	210,102	149,149	64,600
Cold reduced black sheets	109,514	87,371	17,622
Galvanized sheets	89,927	90,098	87
Steel castings	75,011	72,834	...
Miscellaneous hot rolled products	308,052	40,948	268,553
All other products	205,464	200,485	1
Total - Carbon Steel	3,259,593	2,379,304	886,015

Table 12 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Eleven Months Ended November, 1949 (Concluded)

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
(Tons of 2,000 pounds)			
<u>Alloy Steel</u>			
Billets, etc., for forging	8,085	7,925	...
Other semi-finished shapes, not for re-rolling by makers	5,374	...	5,374
Structural shapes and piling .....	...	...	...
Plates	906	875	...
Hot rolled bars for cold finishing .....	...	...	...
Other hot rolled bars	65,032	64,751	242
Pipes and tubes .....	...	...	...
Wire rods	829	811	...
Steel castings	15,729	15,102	...
Miscellaneous hot rolled products	2,336	2,416	...
All other products	2,722	2,723	3
Total - Alloy Steel	101,013	94,603	5,619

Table 13 - Producers' Shipments of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, November and Year to Date, 1949

	November		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
(Tons of 2,000 pounds)				
Automotive industries	7,824	5,723	79,738	56,826
Agricultural, including farm machinery	13,627	331	106,524	651
Building construction	32,974	67	335,624	726
Containers industry	16,583	...	190,560	29
Machinery and tools	9,226	472	102,164	5,048
Merchant trade products	26,914	242	318,891	1,856
Mining, lumbering, etc.	7,516	537	71,316	6,278
National defence	194	2	1,536	21
Pressing, forming and stamping	15,441	71	129,522	688
Public works and utilities	1,619	35	17,757	511
Railway operating	38,187	193	346,672	2,003
Railway cars and locomotives	3,752	66	151,192	1,828
Shipbuilding	1,329	48	18,025	464
Miscellaneous and unclassified	1,018	156	11,891	1,346
Wholesalers and warehouses	30,149	97	318,038	3,138
Direct export (a) to British Empire ..	8,074	98	76,699	3,930
(b) to other countries .	15,508	1,724	103,155	9,260
Total Shipped for Sale	229,935	9,862	2,379,304	94,603
Producers' interchange	72,612	78	886,015	5,619

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1949 and Year to Date

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain-less	Carbon	Alloy	Stain-less
(Tons of 2,000 pounds)							
Pig Iron -							
Basic	United States	...	...	...	8,026	...	...
	Belgium	...	...	...	568	...	...
Foundry	United States	...	...	...	4,068	...	...
	United Kingdom	112	...	...	112	...	...
Malleable	United States	...	...	...	4,646	...	...
Silvery	United States	...	...	...	1,579	...	...
Charcoal	United States	...	...	...	117	...	...
Special	Germany	56	...	...	56	...	...
Ingots	United States	...	...	...	31,306	124	...
Billets, blooms, slabs and sheet bars	United States	...	...	...	2,019	39	...
	United Kingdom	...	...	...	...	26	...
Tube rounds and tube billets	United States	...	...	...	4,054	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1949 and Year to Date (Continued)

Commodity	Country of origin	November			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Bars and Sections -							
Hot rolled, n.o.p.	United States	846	42	1.3	46,727	3,387	57.2
	United Kingdom	117	...	7.5	856	1	58.7
	Belgium	105	...	...	6,843	...	...
	Sweden	6	...	...	9	...	...
Hot rolled -							
For agricultural implements	United States	623	...	...	15,514	2,916	...
Rounds over 4 $\frac{1}{2}$ " , squares over 4".	United States	3	...	...	1,186	186	.8
	United Kingdom	57	...	.6	89	...	.6
	Belgium	...	...	...	4	...	...
Angles, channels, etc.	United States	47	...	.8	7,497	4	25.3
	Germany	1	...	1.1	1	...	1.1
	Belgium	...	...	...	2,429	...	...
	United Kingdom	...	...	...	621	...	...
Structurals (bar sizes) for agri- cultural implements	United States	82	...	...	8,411	1,168	...
Sash or casement sections	United States	56	...	...	1,816	...	...
	United Kingdom	...	...	...	133	...	...
Cold rolled, n.o.p.	United States	128	4	.7	6,628	231	67.2
	United Kingdom	40	...	...	48	6	6.7
	Germany	...	...	...	...	4	...
Cold rolled, for agricultural implements	United States	503	7	...	7,096	61	...
Tool steel	United States	...	18	...	100	425	...
	United Kingdom	9	26	...	637	364	...
	Belgium	...	...	...	2	...	...
Structurals	United States	5,404	...	3.3	155,446	42	9.6
	United Kingdom	...	...	...	710	...	...
	Belgium	368	...	...	11,089	...	...
	France	...	...	...	83	...	...
Plates -							
78" and under in width	United States	701	3	11.1	36,841	307	241.1
	United Kingdom	645	...	6.5	20,615	...	27.0
	Belgium	...	...	...	112	...	...
	Holland	...	...	...	107	...	...
Over 78" and under 100" in width ..	United States	518	...	...	15,503	36	73.7
	United Kingdom	127	...	...	12,708	1	1.8
100" in width and over	United States	...	...	...	6,079	1	17.4
	United Kingdom	...	...	...	280	...	19.3
Flanged, dished or curved	United States	7	...	...	1,057	...	4.4
Boiler, pulp-mill digesters	United States	3	...	...	6,490	...	29.7
	United Kingdom	...	...	...	288	...	...
Chequered or surface pattern	United States	72	...	...	6,766	...	...
Painted	United States	...	...	...	24	...	...
For saws	United States	...	...	...	...	1	...
For tubes	United States	...	...	...	1,058	...	...
Sheets -							
Silicon .075 or more	United States	...	983	...	...	17,375	...
	United Kingdom	...	...	...	...	415	...
Galvanized	United States	379	...	...	12,393	...	...
	United Kingdom	57	...	...	933	...	...
Hot rolled -							
18 gauge and heavier	United States	1,654	1	16.0	81,927	65	206.9
	Germany	1	...	...	1	...	...
	Belgium	...	...	...	876	...	...
	United Kingdom	14	...	34.6	167	...	160.2
Lighter than 18 gauge	United States	183	...	...	10,948	5	67.3
	Belgium	...	...	...	284	...	...
	United Kingdom	...	...	5.0	157	...	11.4

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1949 and Year to Date (Continued)

Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Sheets - (concluded)							
Hot rolled -							
For hollow ware (vitreous enamel)	United States	...	...	...	2,044	...	...
	United Kingdom	...	...	...	45	...	...
Corrugated	United States	76	...	2.2	3,785	...	2.2
	United Kingdom	...	...	...	10	...	...
Coated with paint, tar, asphaltum, etc.	United States	57	...	...	1,241	...	...
For saws	United States	10	18	...	109	508	...
	United Kingdom	...	...	...	...	12	...
For cold rolled strip	United States	...	...	...	1,419	...	...
Shaped for agricultural implements	United States	134	...	...	2,601	57	...
For tubes	United States	420	...	...	1,763	...	...
For galvanizing	United States	...	...	...	610	...	...
Cold rolled -							
18 gauge and heavier	United States	241	...	64.4	12,660	...	761.8
	United Kingdom	...	...	...	562	...	3.8
Lighter than 18 gauge	United States	2,073	...	58.5	35,515	18	1,079.7
	United Kingdom	...	...	...	1,628	...	.1
For hollow ware (vitreous enamel)	United States	683	...	...	13,741	...	...
	United Kingdom	...	...	...	1,663	...	...
Black plate - Tin mill	United States	...	...	...	6,659	...	...
Coated with paint, tar, asphaltum, etc.	United States	14	...	...	613	...	...
For heating apparatus	United States	...	...	...	285	...	...
For saws	Sweden	...	...	...	...	11	...
	United States	...	...	...	...	4	...
For shoe and corset laces	United States	...	...	...	1	...	...
For tubes	United States	547	...	...	8,474	...	...
For tubular products	United States	...	...	...	25	...	...
For butt hinges	United States	...	...	...	86	...	...
Black plate - For tinning	United States	...	...	...	13,639	...	...
Sheets, hot rolled for conversion							
to tin plate	United States	...	...	...	4,308	...	...
Slabs for conversion to tin plate .							
	United States	...	...	...	20,093	...	...
Tin plate - Primes							
	United States	...	...	...	11,352	...	...
	United Kingdom	49	...	...	217	...	...
Electrolytic (25#)	United States	20	...	...	12,944	...	...
(50#)	United States	...	...	...	297	...	...
Waste waste	United States	...	...	...	9	...	...
Terne plate - Long							
	United States	431	...	...	4,774	...	...
Short	United States	...	...	...	3,655	...	...
Strip -							
Hot rolled -							
18 gauge and heavier	United States	212	...	3.1	12,998	212	21.7
	Belgium	66	...	...	1,072	...	...
	United Kingdom	3	...	...	400	...	...
Lighter than 18 gauge	United States	32	...	5.3	1,495	...	11.7
For cold rolling	United States	106	...	...	5,192	...	...
Painted	United States	45	...	...	3,007	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	2	...	...	766	...	...
For saws	United States	1	25	...	234	241	...
For motor vehicles	United States	856	...	...	12,694	80	...
For hoops	United States	94	...	...	1,814	...	...
	United Kingdom	4	...	...	4	...	...
For tubes	United States	...	...	...	403	...	...
For tubular products	United States	3	...	...	132	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1949 and Year to Date (Continued)

Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Strip - (concluded)							
Hot rolled -							
Silicon .075 or more	United States	...	111	...	...	3,602	...
Cold rolled -							
18 gauge and heavier	United States	169	...	14.9	4,531	49	231.9
	United Kingdom	...	...	...	63	4	...
Lighter than 18 gauge	United States	173	...	18.1	5,802	28	965.7
	Sweden	17	...	...	165	...	.1
	United Kingdom	...	...	...	82	...	...
Painted	United States	132	...	...	917	...	...
For shoe and corset laces, buckles, ball bearings, etc. ...	United States	11	...	...	472	...	...
For saws	United States	3	4	...	8	78	...
	Sweden	...	...	...	...	62	...
For tubes	United States	134	...	...	1,587	...	...
For tubular products	United States	89	...	...	1,369	...	1.0
For butt hinges	United States	129	...	...	1,153	17	...
	Sweden	...	...	...	1	...	...
Silicon .075 or more	United States	...	...	...	...	1,017	...
Galvanized strip	United States	202	...	...	6,589	...	...
Skelp -							
15 $\frac{3}{8}$ " and under in width	United States	1,475	...	...	90,655	...	...
	Belgium	...	...	...	27,403	...	...
Over 15 $\frac{3}{8}$ " in width	United States	142	...	...	6,471	...	...
Pipes and Tubes -							
Cast							
	United States	23	...	...	138	...	...
	United Kingdom	196	...	...	3,720	...	...
Bedstead	United States	17	...	...	73	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	247	1	...	12,178	346	...
	United Kingdom	3	...	...	806	8	...
Cold drawn	United States	18	6	.1	1,369	61	6.3
	United Kingdom	...	...	...	366	...	...
Welded	United States	86	...	...	2,564	...	5.3
Repair of pulp mill digesters -							
Hot finished	United States	...	...	...	75	...	...
Cold drawn	United States	...	...	...	...	...	3.7
Seamless, 12" and under in diameter -							
Cold drawn	United States	270	3	29.4	7,023	321	196.8
	United Kingdom	24	...	2.7	455	4	19.7
	Sweden	...	...	1.4	2	...	1.4
Hot finished	United States	153	...	...	5,014	293	...
Seamless, over 12" in diameter -							
Hot finished	United States	16	...	...	1,433	10	...
	United Kingdom	...	...	...	5,658	...	...
Welded, 4" and under in diameter ..							
	United States	579	...	1.1	20,712	1	19.8
	United Kingdom	701	...	...	3,940	...	2.4
	Occupied Japan	...	...	...	43	...	...
	Belgium	98	...	...	187	...	...
Welded, over 4" in diameter							
	United States	63	...	.1	4,360	...	.2
	United Kingdom	...	...	...	9	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1949 and Year to Date (Continued)

Commodity	Country of origin	November			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	18	...	...	279	...	...
Casings	United States	492	...	...	47,724	...	...
	France	...	...	...	472	...	...
	United Kingdom	42	...	...	63	...	...
Fittings and couplings	United States	155	...	1.0	2,242	...	12.7
	United Kingdom	...	...	...	3	...	...
Wire rope	United States	88	...	.1	430	...	.9
	United Kingdom	12	...	...	170	...	...
Wire -							
For wire rope	United States	1,014	...	...	14,689	...	.5
	United Kingdom	37	...	...	326	...	...
For corset laces, steels, etc.	United States	14	...	...	111	...	...
	United Kingdom	2	...	...	9	...	...
For spring mattress, etc.	United States	42	...	...	2,641	...	...
For fencing, galvanized	United States	...	...	...	1,116	...	...
Wire cloth and netting	United States	29	...	.1	2,144	...	2.4
	United Kingdom	3	...	...	57	...	...
Wire, coated	United States	55	...	...	975	...	...
	United Kingdom	...	...	...	8	...	...
Wire -- All other	United States	123	...	2.0	8,452	7	63.9
	United Kingdom	1	...	...	2	...	...
	Germany	1	...	...	3	...	...
	France	...	...	...	1	...	...
Wire rods, not over $\frac{3}{8}$ " in diameter ..	United States	...	...	...	7,652	...	...
Welding wire and welding rods	United States	6	4	2.9	2,189	200	107.0
Castings -							
For agricultural implements	United States	182	...	...	1,925	...	...
For ingot moulds	United States	...	...	...	22,727	...	...
Malleable	United States	60	...	...	407	...	...
	United Kingdom	...	...	...	2	...	...
Non-malleable	United States	117	...	...	1,515	...	...
Steel	United States	28	...	...	2,228	69	.6
	Norway	6	...	...	6	...	...
For railway vehicles	United States	...	...	...	1,204	...	...
Rolls	United States	67	56	...	1,776	723	...
	United Kingdom	4	11	...	12	49	...
Piston rings (rough)	United States	12	...	...	281	...	...
Forgings	United States	172	92	...	1,218	665	.4
	United Kingdom	199	89	...	603	540	...
Axles - For railway vehicles	United States	27	...	...	288	...	...
Wheels -							
For railway rolling stock	United States	4	...	...	1,313	...	...
	United Kingdom	441	...	...	7,426	...	...
Tires -							
For railway rolling stock	United States	258	...	...	5,044	...	...
	United Kingdom	2,736	...	...	5,143	...	...

Table 14 - Imports of Primary Forms of Iron and Steel, November, 1949 and Year to Date (Concluded)

Commodity	Country of origin	N o v e m b e r			Year to date		
		Carbon	Alloy	Stain- less	Carbon	Alloy	Stain- less
(Tons of 2,000 pounds)							
Rails -							
60 lb. and under	United States	5	...	...	253	...	...
Over 60 lb. and including 100 lb. .	United States	...	...	...	1,210	...	...
Over 100 lb.	United States	...	...	...	307	...	...
Grooved for electric tramways	United States	...	...	...	266	...	...
Track material -							
Angles, bars, tie plates, rail joints	United States	3	...	...	868	...	...
	United Kingdom	...	...	...	48	...	...
Intersections, switches, frogs	United States	13	...	...	127	...	...
<hr/>							
Total Imports	United States	24,381	1,378	236.5	994,853	34,980	4,296.8
	All other	6,360	126	59.4	123,673	1,507	314.3
<hr/>							
TOTAL		30,741	1,504	295.9	1,118,526	36,487	4,611.1

Table 15 - Exports of Primary Iron and Steel, November, 1949 and Year to Date

	November	Year to Date
	(Tons of 2,000 pounds)	
Pig iron	8,729	11,324
Ingots, blooms and billets	9,863	60,281
Bars	4,220	20,636
Rods .....	...	307
Plates, sheets and strips	14,500	28,568
Rails	2,790	67,512
Structural shapes	310	9,700
Pipe and tubing - Wrought iron	1	388
Cast iron	148	935
Galvanized	59	15,094
Other	433
Castings, iron and steel	261	7,782
Forgings	31	612

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