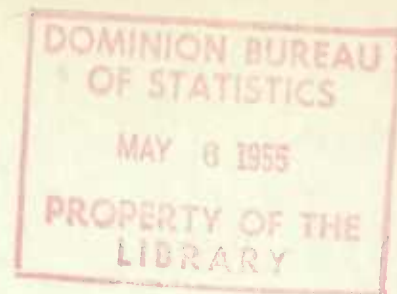


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PRIMARY IRON AND STEEL

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PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 199,464 tons in January, 1955, compared with 214,999 tons in the corresponding month of last year. The total for the current month included 173,278 tons of basic iron, 11,610 tons of malleable iron and 14,576 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during January, 1955, totalled 316,814 tons compared with 298,900 tons in January of last year. Output in the month under review included 310,853 tons of ingots and 5,961 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January, 1954 and 1955

	1 9 5 4		1 9 5 5	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron -</u>				
Basic	183,636	2,418	173,278	1,144
Foundry	18,879	8,551	14,576	6,980
Malleable	12,484	6,619	11,610	9,455
Total pig iron	214,999	17,588	199,464	17,579

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

Table 2 - Iron Blast Furnace Charges During January, 1954 and 1955

	J a n u a r y	
	1 9 5 4	1 9 5 5
	(Net tons of 2,000 pounds)	
Iron ore - Canadian	101,756	75,614
Imported	275,710	265,847
Mill cinder, scale, sinter, etc.	50,854	46,073
Limestone	82,040	64,904
Dolomite	23,556	23,766
Coke	194,862	180,288
Scrap iron and steel	4,359	8,093

Table 3 - Description of Iron Blast Furnaces at End of January, 1955

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	10	2,747,150	71.9
Banked	-	-	-
Blown out	6	1,070,850	28.1
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 4 - Production and Sales During January, 1954 and 1955

	1 9 5 4		1 9 5 5	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	262,244	-	273,930	233
Electric	28,243	-	36,923	3,065
Total steel ingots	290,487	-	310,853	3,298
Alloy steel ingots included in above	11,471	-	17,210	-
<u>Steel castings</u>				
Open hearth - basic	2,350	2,039	2,033	1,918
Converter	-	-	-	-
Electric	6,063	4,587	3,928	2,841
Total steel castings	8,413	6,626	5,961	4,759
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	325	287	173	136
(b) High alloy, manganese and abrasion resistant	676	588	1,093	1,007
(c) All other alloys	859	147	336	281

(*) - 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 5 - Pig Iron and Scrap Charged to Steel Furnaces, January, 1954 and 1955

	J a n u a r y	
	1 9 5 4	1 9 5 5
(Net tons of 2,000 pounds)		
Pig iron	176,554	184,747
Scrap - Own make	94,916	86,619
Purchased	47,966	67,114

Table 6 - Steel Furnace Capacity at First of January, 1954

	Annual capacity
(Net tons of 2,000 pounds)	
Ingots - Basic open hearth	3,919,200
Electric	738,300
Total ingots	4,657,500
Steel castings	335,575
Total ingots and castings ...	4,993,075

Table 7 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1954 and 1955

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
1 9 5 4					
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911
March	200,763	26,000 (*)	240,515	8,775	249,290
April	194,307		247,872	7,924	255,796
May	178,742		252,988	7,363	260,351
June	167,211	27,804 (★)	264,470	7,523	271,993
July	174,403		255,328	5,126	260,454
August	166,580		235,984	5,520	241,504
September	156,373	27,005 (x)	241,553	5,805	247,358
October	181,895		274,421	4,899	279,320
November	210,476		282,110	5,063	287,173
December	185,634	29,024 (o)	269,329	5,743	275,072
Total	2,213,433	109,833	3,113,822	80,300	3,194,122
1 9 5 5					
January	199,464		310,853	5,961	316,814

- (*) First quarter.
 (★) Second quarter.
 (x) Third quarter.
 (o) Fourth quarter.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 212,402 net tons in January, 1955, compared with 231,661 tons in January, 1954. The January, 1955, shipments included 18,255 tons of semi-finished shapes, 9,098 tons of structural, 16,776 tons of plates, 9,107 tons of rails, 2,286 tons of tie plates and track material, 29,942 tons of hot rolled bars, 14,887 tons of pipes and tubes, 21,592 tons of wire rods, 31,597 tons of black sheets, 9,078 tons of galvanized sheets, 5,137 tons of castings, and 44,647 tons of other rolled products. The amount of producers' interchange was 118,927 tons in January, 1955, as against 106,012 tons in January, 1954.

Of the amounts shipped for sale during January, 8,702 tons went direct to railways and railway car shops; 15,244 tons went to pressing, forming and stamping plants; 25,426 tons to merchant trade products; 27,127 tons to building construction; 23,015 tons to the containers industry; 7,031 tons to agricultural equipment; 18,362 tons to the automotive industry; 14,967 tons to machinery plants; 1,496 tons to shipbuilding; 10,123 tons to mining, lumbering, etc., and 4,479 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 29,279 tons, and exports for 27,151 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 118,927 tons in January, 1955.

Table 8 - Production and Producers' Shipments of Primary Iron and Steel Shapes, January, 1955

	Production	Shipments	
	(Including producers' interchange)	For sale	Producers' interchange
	(Tons of 2,000 pounds)		
<u>Carbon steel</u>			
Billets, etc., for forging	12,135	8,588	4,800
Other semi-finished shapes, not for re-rolling by makers	11,422	8,820	5,748
Structural shapes and piling	9,016	9,098	-
Plates	18,762	16,760	200
Rails	4,609	9,107	-
Tie plates and track material: Splice bars	205	35	431
Tie plates	3,298	1,677	-
Spikes	851	574	-
Concrete reinforcing bars	11,442	11,576	-
Hot rolled bars for cold finishing	1,668	-	1,642
Other hot rolled bars	30,188	24,631	889
Pipes and tubes	19,220	14,887	-
Wire rods	23,138	21,527	140
Hot rolled black sheets	75,621	15,101	58,619
Cold reduced black sheets	24,545	16,496	8,327
Cold reduced strip	2,518	2,046	235
Galvanized sheets	9,015	9,078	7
Steel castings	4,201	3,657	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, axles, etc.)	69,862	29,879	37,122
Total carbon steel	331,716	203,537	118,160
<u>Alloy steel</u>			
Billets, etc., for forging	982	847	-
Other semi-finished shapes, not for re-rolling by makers	767	-	767
Plates	44	16	-
Hot rolled bars for cold finishing	-	-	-
Other hot rolled bars	5,393	5,311	-
Wire rods	135	65	-
Steel castings	1,584	1,480	-
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, axles, etc.)	1,159	1,146	-
Total alloy steel	10,064	8,865	767

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.

	January, 1955	
	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)	
Automotive industries	13,336	5,026
Agricultural, including farm machinery ..	6,948	83
Building construction	27,110	17
Containers industry	23,005	10
Machinery and tools	14,249	718
Merchant trade products	25,171	255
Mining, lumbering, etc.	9,211	912
National defence	1,484	308
Pressing, forming and stamping	15,163	81
Public works and utilities	1,018	57
Railway operating	3,361	115
Railway cars and locomotives	4,866	360
Shipbuilding	1,467	29
Miscellaneous and unclassified	1,454	158
Wholesalers and warehouses	29,071	208
Direct export (a) to British Empire	10,152	72
(b) to other countries	16,471	456
Total shipped for sale	321,697	9,632
Producers' interchange	118,160	767

Commodity	Country of origin	January, 1955		
		Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Pig iron -				
Silvery	United States	110	-	-
Ingots	United States	19	149	-
Billets, blooms, slabs and sheet bars	United States	131	61	30.0
	United Kingdom	2	13	-
Bars and sections -				
Hot rolled, n.o.p.	United States	2,691	384	12.4
	United Kingdom	159	58	4.8
	Belgium	216	-	-
	France	6	-	-
	Japan	348	-	-
Hot rolled -				
For agricultural implements	United States	355	30	-
Rounds over 4 $\frac{1}{8}$ ", squares over 4"	United States	63	5	-
	United Kingdom	79	-	-
Angles, channels, etc.	United States	510	-	2.4
	United Kingdom	45	-	-
	Belgium	78	-	-
Sash or casement sections	United States	103	-	-
Cold finished, n.o.p.	United States	410	19	12.9
	United Kingdom	57	-	12.1
	Belgium	9	-	-
Cold finished, for agricultural implements	United States	302	-	-
Tool steel	United States	7	52	-
	United Kingdom	3	122	-
	Germany	-	1	-
	Austria	-	21	-

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1955 (Continued)

Commodity	Country of origin	January, 1955		
		Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Structurals -				
Wide flange beams, 8" and over	United States	16,190	-	-
	United Kingdom	757	-	-
	Belgium	289	-	-
Wide flange beams, under 8"	United States	245	-	-
Sheet piling	United States	1,137	-	-
Other structurals	United States	3,461	-	-
	United Kingdom	70	-	-
	Belgium	87	-	-
Plates -				
78" and under in width	United States	1,696	15	50.8
	United Kingdom	329	-	17.9
	Japan	1,560	-	-
Over 78" and under 100" in width	United States	960	-	-
	United Kingdom	38	-	-
	Japan	19	-	-
100" in width and over	United States	583	-	-
Flanged, dished or curved	United States	89	-	-
Boiler, pulp-mill digesters	United States	158	-	-
Chequered or surface pattern	United States	1,132	-	-
Sheets -				
Silicon .075 or more	United States	-	1,099	-
Galvanized	United States	1,720	-	-
	United Kingdom	4	-	-
	Japan	5	-	-
Corrugated	United States	424	-	-
Hot rolled -				
18 gauge and heavier	United States	2,126	11	.1
	United Kingdom	46	-	2.1
	Sweden	-	-	5.9
Lighter than 18 gauge	United States	8	1	.1
	Sweden	-	-	.2
Cold rolled -				
18 gauge and heavier	United States	356	11	90.2
	United Kingdom	-	-	44.7
Lighter than 18 gauge	United States	520	15	72.8
	United Kingdom	-	-	9.9
For motor vehicles	United States	1,216	-	-
For hollow ware (vitreous enamel)	United States	667	-	-
Coated with paint, tar, asphaltum, etc.	United States	84	-	-
For saws	United States	-	27	-
	United Kingdom	-	2	-
Tin mill black plate	United States	79	-	-
Tin plate - Primes	United States	42	-	-
	United Kingdom	17	-	-
Terne plate - Long	United States	251	-	-
Short	United States	138	-	-
Strip -				
Hot rolled -				
18 gauge and heavier	United States	206	-	-
Lighter than 18 gauge	United States	23	-	-
Cold rolled -				
18 gauge and heavier	United States	200	24	13.2
Lighter than 18 gauge	United States	182	8	61.6
	United Kingdom	5	-	-
	Sweden	-	2	-
	Germany	11	-	-
For saws	United States	33	34	-
	United Kingdom	-	1	-
	Sweden	-	8	-
For motor vehicles	United States	368	-	-

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1955 (Continued)

Commodity	Country of origin	January, 1955		
		Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)		
Strip (concluded) -				
For hoops	United States	71	-	-
	United Kingdom	1	-	-
Coated with paint, tar, asphaltum, etc.	United States	501	-	-
For butt hinges	United States	37	-	-
Galvanized	United States	300	-	-
	United Kingdom	4	-	-
	Belgium	3	-	-
Silicon .075 or more	United States	-	511	-
Skelp -				
15 $\frac{3}{8}$ " and under in width	United States	2,648	-	-
Over 15 $\frac{3}{8}$ " in width	United States	501	-	-
Pipes and tubes -				
Spiral welded	United States	194	-	-
Cast	United States	104	-	-
	United Kingdom	1,337	-	-
Repair of pressure parts of boilers -				
Hot finished	United States	147	10	-
	United Kingdom	73	-	-
Cold drawn	United States	8	1	-
	Sweden	-	-	6.1
Welded	United States	77	-	-
	United Kingdom	140	-	-
Seamless, 12" and under in diameter -				
Cold drawn	United States	394	85	17.5
	United Kingdom	125	4	4.5
	Sweden	69	-	16.2
Hot finished	United States	270	34	.2
	United Kingdom	61	-	-
Seamless, over 12" in diameter -				
Hot finished	United States	208	4	-
Welded, 4" and under in diameter	United States	937	122	8.1
	United Kingdom	238	-	-
	France	7	-	-
	Belgium	35	-	-
Welded, over 4" in diameter	United States	104	-	.5
Conduit	United States	135	-	-
Casings	United States	3,481	-	-
	United Kingdom	404	-	-
	Germany	189	-	-
	Italy	455	-	-
	Japan	1,211	-	-
	France	739	-	-
Tubing -				
Not over 1/2" in diameter, welded and coated..	United States	25	-	-
Wire rope	United States	10	-	-
	United Kingdom	210	-	-
	Belgium	10	-	-
	Holland	6	-	-
	Germany	15	-	-
	Japan	1	-	-
	Netherlands	54	-	-
Wire - For rope	United States	214	-	1.5
	United Kingdom	805	-	-
	Belgium	7	-	-
	Germany	40	-	-
For springs, cushions, mattresses, etc. ...	United States	20	-	-
For corset clasps, dress stays, etc.	United States	2	-	-
Coated or covered	United States	46	-	-
	United Kingdom	1	-	-

Table 10 - Imports of Primary Forms of Iron and Steel, January, 1955 (Concluded)

Commodity	Country of origin	January, 1955		
		Carbon	Alloy	Stainless
(Tons of 2,000 pounds)				
Wire (concluded) -				
All other	United States	268	60	3.7
	United Kingdom	94	-	-
	Belgium	53	-	-
Wire rods, not over 3/8" in diameter	United States	56	-	-
	United Kingdom	113	-	-
Welding wire and welding rods	United States	1	38	-
	United Kingdom	-	1	-
Tires - For railway rolling stock	United States	68	-	-
	United Kingdom	24	-	-
Wheels - For railway rolling stock	United States	609	-	-
	United Kingdom	180	-	-
Rails - 60 lb. and under	United States	14	-	-
	Belgium	29	-	-
Over 60 lb. and including 100 lb.	United States	203	-	-
Over 100 lb.	United States	4	-	-
Track material -				
Fish plates, angle bars, etc.	United States	5	-	-
	Belgium	1	-	-
Switch points, etc.	United States	3	-	-
Total imports	United States	50,660	2,806	384.1
	All other	10,973	237	113.3
TOTAL		61,633	3,043	502.4

Table 11 - Exports of Primary Iron and Steel, January, 1955

	January, 1955	
	(Tons of 2,000 pounds)	
Pig iron	326	
Ingots, blooms and billets	14,544	
Bars	466	
Rods	645	
Plates, sheets and strips	2,815	
Rails	7,288	
Structural shapes	157	
Pipe and tubing - Wrought iron	-	
Cast iron	18	
Galvanized	14	
Other	16	
Castings, iron and steel	1,160	
Forgings	344	
Total	27,793	

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