

CATLAOGUE No.

41-001

MONTHLY

Historical File Copy



CANADA

PRIMARY IRON AND STEEL

JANUARY, 1959



Published by Authority of

The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

6523-502-19

Price \$3.00 per year
30 cents per copy

Vol. 14—No. 1

THE QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1959

PRIMARY IRON AND STEEL

(a) Pig Iron and Ferro-alloys

Table 1 - Iron Blast Furnace Charges

	January, 1958	January, 1959
	(Net tons of 2,000 pounds)	
Crude iron ore:		
(a) From Canadian mines	69,880	81,749
(b) From foreign mines	242,598	179,341
Pyrite cinder	-	-
Iron ore (sintered, pelletized, etc.):		
(a) From Canadian mines	65,211	114,123
(b) From foreign mines	-	47,370
(c) From own processing	91,052	112,499
Mill cinder, roll scale, slag and flue dust (Not sintered, pelletized, etc.)	8,030	16,978
Scrap iron and steel	9,882	9,423
Limestone	68,961	62,773
Dolomite	21,819	23,235
Coke	214,323	232,119

Table 2 - Production and Shipments of Pig Iron and Ferro-alloys, January

	1 9 5 8		1 9 5 9	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
	(Net tons of 2,000 pounds)			
<u>Pig iron</u>				
Basic	238,974	1,737	299,110	4,334
Foundry (including silvery pig)	5,900	4,906	-	7,517**
Malleable	15,645	9,708	174	13,032
Total pig iron	260,519	16,351	299,284	24,883
Ferro-alloys	(x)	(x)	(x)	(x)
Stocks of pig iron on hand at end of month.	242,026		251,831	

* Includes amounts for sale and for own use.

(x) Available on a quarterly basis only - see Table 9.

** Includes as pig iron for the first time the re-melt iron product produced in connection with the smelting of titanium ores. No production of this product was reported in January, 1959.

Table 3 - Description of Iron Blast Furnaces at End of January, 1959

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	9	3,239,875	76.2
Banked	4	717,200	16.9
Blown out	2	291,800	6.9
Total	15	4,248,875	100.0

(b) Steel Ingots and Steel Castings

Table 4 - Steel Furnace Capacity at First of January, 1959

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	4,497,000
Electric	706,000
Oxygen	1,110,000
Total ingots	6,313,000
Steel castings	416,000
Total ingots and castings ...	6,729,000

Table 5 - Pig Iron and Scrap Charged to Steel Furnaces January

	1958	1959
	(Net tons of 2,000 pounds)	
Pig iron	232,641	279,493
Scrap - Own make	104,354	115,237
Purchased	103,991	109,335
Total pig iron and scrap	440,986	504,065

Table 6 - Production and Shipments of Steel Ingots and Castings, January

	1 9 5 8		1 9 5 9	
	Tonnage made*	Tonnage shipped	Tonnage made*	Tonnage shipped
(Net tons of 2,000 pounds)				
<u>Steel ingots</u>				
Open hearth - basic	362,351	245	415,963	171
Electric	303,435	5,216	40,501	3,343
Oxygen	(1)	(1)	(1)	(1)
Total steel ingots	392,786	5,461	456,464	3,514
Alloy steel ingots included in above	13,722	880	15,476	-
<u>Steel castings</u>				
Open hearth - basic	1,874	1,832	1,082	1,003
Electric	8,245	8,269	3,565	3,530
Other	10	9	2	2
Total steel castings	10,129	10,110	4,649	4,535
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	118	127	127	207
(b) High alloy, manganese and abrasion resistant	1,330	1,362	1,116	1,066
(c) All other alloys	278	232	241	220
Total alloy castings	1,726	1,721	1,484	1,493

* Includes amounts for sale and for own use.

(1) Included with "Basic open hearth".

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

Table 7 - Production and Shipments of Steel Pipe, Tubing and Fittings, January

	1 9 5 8		1 9 5 9	
	Made	Shipped	Made	Shipped
	(Net tons of 2,000 pounds)			
Pipe and tubing by process:				
Electricweld	33,717	31,488	9,930	8,445
Other (including seamless and butt weld)	17,753	14,411	17,718	15,073
Total	51,470	45,899	27,648	23,518
Pipe and tubing by class:				
Standard and line pipe	41,132	39,056	17,421	13,946
Oil country goods	(1)	(1)	(1)	(1)
Pressure tubing	(2)	(2)	(2)	(2)
Mechanical tubing	2,830	2,474	3,899	3,928
Miscellaneous	7,508	4,369	6,328	5,644
Total	51,470	45,899	27,648	23,518
Steel pipe fittings:				
Buttwelding fittings	278	280	283	203
Other (including flanges and flanged fittings)	101	220	278	259
Total	379	500	561	462

(1) Included with "Miscellaneous".

(2) Included with "Mechanical tubing".

Table 8 - Disposition of Shipments* of Steel Castings

	January 1959	
	Carbon	Alloy
	(Tons of 2,000 pounds)	
Direct export (a) British Commonwealth	-	-
(b) All other	-	64
Automotive industries	67	11
Agricultural, including implement and equipment manufacturers	287	1
Machinery and tools	813	262
Mining, lumbering and quarrying industries	358	620
Oil and gas, including refineries	56	21
National defence	1	2
Public works and public utilities	169	100
Railway operating	312	176
Railway cars and locomotives	688	70
Shipbuilding	109	17
Miscellaneous and unclassified	182	149
Total shipments	3,042	1,493

* Compiled by principal consuming industries, according to the revised Steel Distribution Index. As of January, 1957, includes producers' own-make castings allocated to appropriate consuming industry.

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel

Month	Pig iron	Ferro-alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
<u>1 9 5 8</u>					
January	260,519		392,786	10,129	402,915
February	232,564		365,189	10,078	375,267
March	268,032	28,823(1)	401,528	10,904	412,432
April	254,970		367,573	10,392	377,965
May	287,688		404,628	8,803	413,431
June	289,725	26,134(2)	395,636	7,674	403,310
July	293,285		359,543	6,596	366,139
August	200,101		265,698	4,813	270,511
September	186,326	25,592(3)	241,855	6,045	247,900
October	229,459		254,844	6,289	261,133
November	253,447		382,878	4,818	387,696
December	304,846	30,205(4)	422,449	4,143	426,592
Total twelve months	3,060,962*	110,754	4,254,607	90,684	4,345,291

1 9 5 9

January	299,284		456,464	4,649	461,113
---------------	---------	--	---------	-------	---------

(1) First quarter

(2) Second quarter

(3) Third quarter

(4) Fourth quarter

* Revised.

(c) Rolled Steel Products

Table 10 - Production and Shipments of Rolled Steel Products, January, 1959

	Production	Total of all shipments	Shipments for further processing	Net shipments
(Net tons of 2,000 pounds)				
<u>Carbon steel</u>				
<u>Hot rolled</u>				
Semi-finished shapes:				
(a) For re-rolling	8,062	9,362	9,361	1
(b) For forging and piercing	13,845	14,128	-	14,128
Rails	29,632	31,655	-	31,655
Wire rods	39,924	38,418	-	38,418
Structural shapes:				
(a) Heavy, including piling	16,650	16,168	-	16,168
(b) Light	6,893	5,224	-	5,224
Concrete reinforcing bars	19,525	16,930	-	16,930
Other hot rolled bars	28,426	28,502	1,858	26,644
Tie plates and track material:				
(a) Angle bars	1,363	1,370	-	1,370
(b) Tie plates	7,885	7,684	-	7,684
(c) Track spikes	576	569	-	569
Plates	39,673	37,780	-	37,780
Hot rolled sheets and strip	161,896	167,334	115,887	51,447
Total all hot rolled products	374,350	375,124	127,106	248,018
<u>Cold rolled and coated</u>				
Cold finished bars	3,125	3,208	-	3,208
Cold reduced strip	4,626	4,173	-	4,173
Cold reduced sheets, tin mill black plate and tin plate	118,543	111,700	53,453	58,247
Galvanized sheets	23,504	23,326	-	23,326
Total all cold rolled and coated ..	149,798	142,407	53,453	88,954
Grand total all carbon products	524,148	517,531	180,559	336,972
<u>Alloy steel</u>				
Semi-finished shapes:				
(a) For re-rolling	-	-	-	-
(b) For forging and piercing	669	729	-	729
Alloy plates	123	439	-	439
Other hot rolled bars, including high-speed steel and alloy tool steel	8,924	8,479	-	8,479
Structurals	6	-	-	-
Cold finished bars	474	499	-	499
Wire rods	265	267	-	267
Hot and cold rolled sheets, silicon sheets and strip and stainless steel	1,821	1,773	-	1,773
Total all alloy products	12,282	12,186	-	12,186

Table 11 - Disposition of Shipments* of Rolled Steel Products

	January, 1959	
	Carbon	Alloy
	(Net tons of 2,000 pounds)	
Wholesalers and warehouses	34,781	365
Direct export:		
(a) British Commonwealth	1,684	138
(b) All other	6,947	251
Automotive industries	15,663	5,688
Agricultural, including implement and equipment manufacturers	12,409	640
Building construction	61,092	122
Container industry	31,736	5
Machinery and tools	12,629	1,639
Merchant trade products	45,570	599
Mining, lumbering, etc.	3,530	1,921
National defence	565	86
Pressing, forming and stamping	17,199	283
Public works and utilities	1,437	-
Railway operating	39,279	386
Railway cars and locomotives	3,050	43
Shipbuilding	3,425	20
Pipes and tubes	45,743	-
Miscellaneous and unclassified	233	-
Net shipments	336,972	12,186

* Compiled by principal consuming industries, according to the revised Steel Distribution Index.

Table 12 - Disposition of Shipments* of Rolled Steel Products, by Product, January,

	Semi- finished shapes	Rails	Wire rods	Structural shapes	Concrete reinforcing bars
	(Net tons)				
Wholesalers and warehouses	-	37	867	4,429	70
Direct export:					
(a) British Commonwealth	-	1,369	-	-	-
(b) All other	-	3,100	-	-	-
Automotive industries	1,639	-	-	329	-
Agricultural, including implement and equipment manufacturers	-	-	25	1,916	-
Building construction	6	39	1,072	10,967	13,880
Container industry	-	-	-	-	-
Machinery and tools	600	-	93	868	-
Merchant trade products	199	-	36,375	268	1,630
Mining, lumbering, etc.	21	421	172	340	-
National defence	159	-	-	-	-
Pressing, forming and stamping ...	5	-	81	964	-
Public works and utilities	-	-	-	-	1,350
Railway operating	-	26,686	-	78	-
Railway cars and locomotives	467	-	-	909	-
Shipbuilding	-	3	-	322	-
Pipes and tubes	11,762	-	-	-	-
Miscellaneous and unclassified ...	-	-	-	2	-
Net shipments	14,858	31,655	38,685	21,392	16,930

* Compiled by principal consuming industries, according to the revised Steel Distribution Index.

Primary Iron and Steel

- 9 -

1959

Other hot rolled bars	Tie plates and track material	Plates	Hot rolled sheets and strip	Cold finished bars	Cold reduced strip	Cold reduced sheets, tin mill black plate and tin plate	Gal- vanized sheets	Total
of 2,000 pounds)								
3,974	5	4,971	6,067	691	162	6,830	7,043	35,146
166	-	-	40	-	-	247	-	1,822
121	-	40	2,633	-	-	1,269	35	7,198
5,928	-	380	8,682	888	991	2,389	125	21,351
4,235	-	845	2,644	1,105	100	1,653	526	13,049
3,428	-	9,670	4,352	54	578	3,819	13,349	61,214
122	-	58	2,157	1	-	29,264	139	31,741
3,341	3	4,681	2,270	418	816	938	240	14,268
6,416	-	56	840	222	33	109	21	46,169
3,362	61	717	226	45	65	21	-	5,451
61	-	-	26	40	365	-	-	651
1,501	-	98	4,331	212	414	8,356	1,520	17,482
43	-	28	16	-	-	-	-	1,437
1,742	9,554	1,340	194	15	-	28	28	39,665
349	-	757	546	1	-	6	58	3,093
201	-	2,800	102	4	-	13	-	3,445
86	-	11,778	18,094	-	600	3,181	242	45,743
47	-	-	-	11	49	124	-	233
35,123	9,623	38,219	53,220	3,707	4,173	58,247	23,326	349,158

Primary Iron and Steel

Table 13 - Imports of Primary Forms of Iron and Steel

Commodity	Country of origin	January, 1959		
		Carbon	Alloy	Stainless
		(Net tons of 2,000 pounds)		
Pig iron				
Silvery	United States	1,129	-	-
Other	United States	62	-	-
	China	4,995	-	-
Ingots and semi-finished -				
Ingots	United States	139	48	6.1
Billets, blooms, slabs and sheet bars	United States	3	22	40.7
Bars and sections -				
Hot rolled bars n.o.p.	United States	1,854	251	5.2
	United Kingdom	109	22	29.6
	Belgium	181	-	-
	Germany	154	-	-
	Sweden	-	-	2.2
Hot rolled bars for agricultural implements	United States	599	3	-
Rounds over 4 7/8"; squares over 4"	United States	96	2	-
	United Kingdom	18	-	-
Concrete reinforcing bars	United States	17	-	-
	Belgium	977	-	-
	France	1,113	-	-
	Germany	986	-	-
	Japan	937	-	-
Sash or casement sections	United States	209	-	-
	United Kingdom	90	-	-
Cold rolled bars n.o.p.	United States	278	54	6.5
	United Kingdom	78	-	6.6
	Sweden	-	-	.2
Cold rolled bars for agricultural implements	United States	152	17	-

Tool Steel -

Tool steel, all forms and sizes	United States	107	64	-
	United Kingdom	26	52	-
	Austria	-	4	-
	Sweden	9	2	-

Structurals -

Wide flange beams	United States	13,987	-	-
	United Kingdom	1,081	-	-
	Belgium	557	-	-
Sheet piling	United States	14	-	-
	United Kingdom	565	-	-
	Belgium	124	-	-
	Germany	32	-	-
Structurals, n.o.p.	United States	2,886	-	3.4
	United Kingdom	167	-	-
	Belgium	216	-	-
	France	141	-	-
Bar size structurals, n.o.p.	United States	965	-	5.5
	United Kingdom	6	-	1.1
	Belgium	99	-	-
	France	101	-	-
	Japan	1	-	-
Bar size structurals for agricultural implements	United States	195	-	-

Plates -

60" and under in width	United States	1,114	159	25.4
	United Kingdom	95	-	.7
	France	558	-	-
	Germany	51	-	-
	Japan	525	-	-
Over 60" up to and including 100" in width.	United States	1,880	92	33.7
	United Kingdom	143	-	-
	France	223	-	-
	Germany	297	-	-
	Japan	1,113	-	-

Primary Iron and Steel

Table 13 - Imports of Primary Forms of Iron and Steel (Continued)

Commodity	Country of origin	January, 1959		
		Carbon	Alloy	Stainless
		(Net tons of 2,000 pounds)		
Plates (Continued) -				
Over 100" in width	United States	798	70	6.1
Flanged or dished	United States	268	-	.9
Floor plate	United States	742	-	-
	Japan	23	-	-
Sheets and strip (except stainless) -				
Hot rolled under 24" in width	United States	1,752	66	-
	United Kingdom	22	-	-
	Belgium	21	-	-
Hot rolled 24" to 51" in width	United States	1,487	-	-
	France	114	-	-
	Japan	16	-	-
Hot rolled over 51" in width	United States	1,912	-	-
	Japan	13	-	-
Cold rolled under 24" in width	United States	1,099	4	-
	United Kingdom	53	-	-
	Germany	7	-	-
	Sweden	2	-	-
Cold rolled 24" to 51" in width	United States	4,142	1	-
	United Kingdom	210	-	-
Cold rolled over 51" in width	United States	760	-	-
Enameling grade	United States	1,913	-	-
Aluminized	United States	273	-	-

Coated (other than metal or asbestos bonded)	United States	786	-	-
	United Kingdom	-	-	-
	Germany	1	-	-
Asbestos bonded (includes galvanized and corrugated)	United States	253	-	-
	United Kingdom	10	-	-
Metal coated n.o.p.	United States	62	-	-
	Germany	25	-	-
Electro galvanized	United States	185	-	-
Galvanized, hot dipped	United States	641	-	-
	United Kingdom	27	-	-
	Japan	90	-	-
Electrical 2.90 silicon or over	United States	-	1,480	-
Electrical, n.o.p.	United States	-	110	-
Saw steel	United States	12	115	-
	Sweden	1	7	-
Hot rolled wasters	United States	151	-	-
Cold rolled wasters	United States	877	-	-
Black plate	United States	88	-	-
Tin plate, hot dipped	United States	105	-	-
	United Kingdom	4	-	-
Tin plate electrolytic	United States	56	-	-
Terne plate long	United States	724	-	-
Terne plate short	United States	3	-	-
Strip for hoop	United States	68	-	-
	United Kingdom	95	-	-
	Belgium	2	-	-

Primary Iron and Steel

Table 13 - Imports of Primary Forms of Iron and Steel (Continued)

Commodity	Country of origin	January, 1959		
		Carbon	Alloy	Stainless
		(Net tons of 2,000 pounds)		
Stainless sheets and strip -				
Hot rolled stainless, under 24" in width 18 gauge and heavier	United States	-	-	.1
Hot rolled stainless 24" to 51" in width 18 gauge and heavier	United States	-	-	6.8
	United Kingdom	-	-	66.6
	Sweden	-	-	23.4
Hot rolled stainless 24" to 51" in width lighter than 18 gauge	United States	-	-	7.2
	United Kingdom	-	-	117.3
Hot rolled stainless over 51" in width 18 gauge and heavier	United States	-	-	9.0
	Sweden	-	-	1.5
Cold rolled stainless under 24" in width 18 gauge and heavier	United States	-	-	27.7
Cold rolled stainless under 24" in width lighter than 18 gauge	United States	-	-	46.7
	United Kingdom	-	-	.5
Cold rolled stainless n.o.p.	United States	-	-	62.8
	United Kingdom	-	-	82.9
Plate, sheet and strip for pipes and tubes -				
Hot rolled 15 3/8" and under in width	United States	505	-	-
Hot rolled over 15 3/8" in width	United States	64	-	-
Cold rolled	United States	351	-	-
Pipes and tubes -				
Spiral weld pipe	United States	58	-	-
Cast	United States	155	-	-
	United Kingdom	934	-	-

Repair of pressure parts of boilers -

Seamless hot finished	United States	104	156	-
	United Kingdom	36	-	-
Seamless cold drawn	United States	4	17	-
	United Kingdom	-	8	-
Welded	United States	2	-	-
	United Kingdom	168	-	-
	Switzerland	61	-	-
Seamless cold drawn n.o.p.	United States	622	223	16.1
	United Kingdom	181	97	5.8
	Germany	36	-	-
	Sweden	5	-	-
Seamless hot finished 12" O.D. and under	United States	378	306	.7
	United Kingdom	370	13	-
	Germany	312	-	-
Seamless hot finished over 12" O.D.	United States	67	9	-
	United Kingdom	404	-	-
Welded 4" O.D. and under	United States	1,031	-	4.1
	United Kingdom	47	-	-
	Belgium	20	-	-
	France	7	-	-
	Germany	129	-	-
	Netherlands	16	-	-
Welded over 4" O.D.	United States	287	-	1.3
Tubing not over 1/2" O.D. (welded, cold drawn, hot finished)	United States	106	-	-
Conduit	United States	29	-	-
Casing	United States	847	26	-
	United Kingdom	364	-	-
	Germany	166	-	-
	Japan	566	-	-

Primary Iron and Steel

Table 13 - Imports of Primary Forms of Iron and Steel (Concluded)

Commodity	Country of origin	January, 1959		
		Carbon	Alloy	Stainless
(Net tons of 2,000 pounds)				
Wire products -				
Wire rope	United States	21	-	.7
	United Kingdom	174	-	-
	Belgium	5	-	-
	Germany	68	-	-
	Japan	11	-	-
	Netherlands	49	-	-
Wire for wire rope	United States	32	-	.3
	United Kingdom	938	-	-
	Germany	213	-	-
Wire for springs, cushions, etc.	United States	4	-	-
Wire for corset clasps, dress stays, etc. .	United States	4	-	-
Coated or covered n.c.p. (plastic, paper, paint, tinned, coppered, etc.)	United States	119	-	1.9
	United Kingdom	3	-	-
Galvanized fencing wire	United States	1	-	-
	United Kingdom	35	-	-
	Germany	250	-	-
Galvanized, n.o.p.	United States	237	-	-
	United Kingdom	129	-	-
	Germany	13	-	-
	Japan	40	-	-
All other	United States	184	14	5.3
	United Kingdom	122	12	27.3
	Germany	1	-	-
	Japan	12	-	-
Welding rods (cut lengths)	United States	147	58	26.3
	United Kingdom	2	-	-
	Germany	1	-	-

Welding rod in coil form (excludes wire for manufacture of welding rods)	United States	16	10	2.0
	United Kingdom	4	-	-
Wire rods (all sizes)	United States	337	3	-
	Belgium	372	-	-
	Germany	148	-	-
<hr/>				
Rails and railway track material -				
Rails 60 lb. and under per lineal yard	United States	4	-	-
	Germany	40	-	-
Rails over 60 lb. up to and including 100 lb. per lineal yard	United States	15	-	-
Track material,				
Fish plates, angle bars, etc.	United States	138	-	-
Switch points, guard rails, etc.	United States	3	-	-
Axles for railway rolling stock	United States	66	-	-
	United Kingdom	3	-	-
Steel tires for railway rolling stock	United Kingdom	2	-	-
Steel wheels for railway rolling stock	United States	8	-	-
	United Kingdom	761	-	-
<hr/>				
TOTAL IMPORTS		74,511	3,597	718.2
<hr/>				



1010680887

Primary Iron and Steel

- 18 -

Table 14 - Imports of Primary Forms of Iron and Steel, by Country of Origin

Country of origin	January, 1959		
	Carbon	Alloy	Stainless
(Net tons of 2,000 pounds)			
United States	51,159	3,380	352.5
United Kingdom	7,106	204	338.4
Austria	-	4	-
Belgium (1)	2,574	-	-
China	4,995	-	-
France	2,257	-	-
Germany	2,930	-	-
Japan	3,347	-	-
Netherlands	65	-	-
Sweden	17	9	27.3
Switzerland	61	-	-
Total	74,511	3,597	718.2

(1) Includes Luxembourg.

Table 15 - Exports of Primary Iron and Steel

		January, 1959
		(Net tons of 2,000 pounds)
Pig iron		4,285
Ingots, blooms and billets		397
Bars		238
Rods		219
Plates, sheets and strips		3,508
Rails		20,846
Structural shapes		2,079
Pipe and tubing - Wrought iron		-
Cast iron		8
Galvanized		1
Other		1,285
Castings, iron and steel		1,001
Forgings		2,133
Total		36,000

NOTE: Data in above Table were compiled from Customs' export entries received by the External Trade Section and, therefore, not exactly comparable with shipments data reported by producers in Tables 8, 11 and 12.