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DOMINION BUREAU OF STATISTICS
OTTAWA - CANADA
Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

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MAY 17 1954
Research Department

Vol.9-No.2 February, 1954 $2.00 per year - 25¢ per copy

PRIMARY IRON AND STEEL

Pig Iron - Production of pig iron in Canada amounted to 182,050 tons in February, 1954, compared with 225,182 tons in the corresponding month of last year. The total for the current month included 146,980 tons of basic iron, 31,978 tons of malleable iron and 3,092 tons of foundry iron.

Steel Ingots and Castings - Production of steel ingots and steel castings during February, 1954, totalled 266,911 tons compared with 326,063 tons in February of last year. Output in the month under review included 258,765 tons of ingots and 8,146 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During February, 1953 and 1954

	February, 1953		February, 1954	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	182,054	3,615	146,980	2,159
Foundry	19,185	7,556	3,092	8,919
Malleable	23,943	24,533	31,978	9,368
Total pig iron	225,182	35,704	182,050	20,446
Ferro-alloys	16,017	14,327	Available on a Quarterly basis only, in 1954	

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

Table 2 - Cumulative Production and Shipments for the Two Months Ended February, 1953 and 1954

	1953		1954	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
Pig iron -				
Basic	371,253	6,237	330,616	4,577
Foundry	42,019	24,178	21,971	17,470
Malleable	56,516	47,636	44,462	15,987
Total pig iron	469,788	78,051	397,049	38,034
Ferro-alloys	31,688	29,534	Available on a Quarterly basis only, in 1954	

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

Table 3 - Iron Blast Furnace Charges During February and Two Months Ended February, 1953 and 1954

	February		Two months ended February	
	1953	1954	1953	1954
	(Net tons of 2,000 pounds)			
Iron ore - Canadian	103,236	75,502	188,364	177,258
Imported	278,769	238,442	605,882	514,152
Mill cinder, scale, sinter, etc.	50,730	45,934	120,765	96,788
Limestone	74,410	69,415	155,656	151,455
Dolomite	24,067	19,635	52,816	43,191
Coke	211,459	166,406	442,113	361,268
Scrap iron and steel	7,710	5,089	15,973	9,448

Prepared in the Metal and Chemical Products Section - Industry and Merchandising Division.

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EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1954.

Table 4 - Description of Iron Blast Furnaces at End of February, 1954

Condition of furnaces	Number of furnaces	Total annual capacity	
		Net tons	Per cent
In blast	10	2,919,500	76.4
Banked	1	226,000	6.0
Blown out	5	672,500	17.6
Total	16	3,818,000	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production and Sales During February, 1953 and 1954

	1953		1954	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
Steel Ingots				
Open hearth - basic	278,139	7,296	229,025	...
Electric	38,602	95	29,740	...
Total steel ingots	316,741	7,391	258,765	...
Alloy steel ingots included in above	16,683	14	15,867	...
Steel Castings				
Open hearth - basic	2,985	2,613	2,060	1,802
Converter	44	28	...	...
Electric	6,293	4,739	6,086	4,721
Total steel castings	9,322	7,380	8,146	6,523
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	293	270	301	269
(b) High alloy, manganese and abrasion resistant	1,203	979	659	676
(c) All other alloys	883	217	836	212

(*) 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 6 - Cumulative Production and Sales for the Two Months Ended February, 1953 and 1954

	1953		1954	
	Tonnage made (*)	Tonnage shipped	Tonnage made (*)	Tonnage shipped
	(Net tons of 2,000 pounds)			
Steel Ingots				
Open hearth - basic	577,763	14,107	491,269	...
Electric	78,193	255	57,983	...
Total steel ingots	655,956	14,362	549,252	...
Alloy steel ingots included in above	34,203	113	27,338	...
Steel Castings				
Open hearth - basic	4,814	4,019	4,410	3,841
Converter	103	72	...	...
Electric	11,838	8,890	12,149	9,308
Total steel castings	16,755	12,981	16,559	13,149
Alloy steel castings included in above:				
(a) High alloy, except manganese and abrasion resistant	175	118	626	556
(b) High alloy, manganese and abrasion resistant	2,166	1,842	1,335	1,264
(c) All other alloys	1,741	419	1,695	359

(*) 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 - Pig Iron and Scrap Charged to Steel Furnaces, February, 1953 and 1954 and Two Months Ended February, 1954

	February 1953	February 1954	Two months ended February, 1954
	(Net tons of 2,000 pounds)		
Pig iron	178,200	145,754	322,308
Scrap - Own make	80,734	88,007	182,923
Purchased	99,210	51,058	99,024

Table 8 - Steel Furnace Capacity at Thirty-First of October, 1953

	Annual capacity
	(Net tons of 2,000 pounds)
Ingots - Basic open hearth	3,951,300
Electric	714,400
Total ingots	4,665,700
Steel castings	313,900
Total ingots and castings ..	4,979,600

Table 9 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1953 and 1954

Month	Pig iron	Ferro-alloys	Steel		
			Ingots(*)	Castings	Total steel
	(Net tons of 2,000 pounds)				
1953					
January	244,606	15,671	339,215	7,433	346,648
February	225,182	16,017	316,741	9,322	326,063
March	238,572	17,680	356,890	10,084	366,974
April	241,583	15,980	351,907	10,384	362,291
May	271,461	13,148	358,896	10,071	368,967
June	266,180	11,997	342,629	9,834	352,463
July	272,958	12,124	315,203	8,182	323,385
August	267,249	11,416	331,678	7,025	338,703
September	243,963	10,483	321,332	8,012	329,344
October	265,346	8,522	354,480	8,018	362,498
November	254,643	8,777	324,497	8,206	332,703
December	220,526	8,779	296,345	9,085	305,430
Total	3,012,269	150,595	4,009,813	105,656	4,115,469
1954		Available only on a Quarterly basis in 1954			
January	214,999		290,487	8,413	298,900
February	182,050		258,765	8,146	266,911

(*) Revised.

Primary steel shapes - Shipments of primary shapes by Canadian steel mills, exclusive of producers' interchange, totalled 213,115 net tons in February, 1954, compared with 226,236 tons in February, 1953. The February, 1954, shipments included 3,372 tons of semi-finished shapes, 12,293 tons of structurals, 17,620 tons of plates, 23,931 tons of rails, 6,346 tons of tie plates and track material, 34,958 tons of hot rolled bars, 11,941 tons of pipes and tubes, 16,968 tons of wire rods, 34,103 tons of black sheets, 7,531 tons of galvanized sheets, 7,983 tons of castings, and 36,069 tons of other rolled products. The amount of producers' interchange was 94,755 tons in February, 1954, as against 105,971 tons in February, 1953.

Of the amounts shipped for sale during February, 51,457 tons went direct to railways and railway car shops; 12,753 tons went to pressing, forming and stamping plants; 22,994 tons to merchant trade products; 25,843 tons to building construction; 19,615 tons to the containers industry; 4,828 tons to agricultural equipment; 17,937 tons to the automotive industry; 13,157 tons to machinery plants; 1,786 tons to shipbuilding; 7,378 tons to mining, lumbering, etc., and 3,748 tons to miscellaneous industries, including national defence and public works and utilities; wholesalers and warehousing accounted for 29,170 tons, and exports for 2,449 tons. Producers' interchange, or the tonnage shipped to producers' own works for further processing, totalled 94,755 tons in February, 1954.

Table 10 - Production and Producers' Shipments of Primary Iron and Steel Shapes, February, 1954

	Production (Including producers' interchange)	Shipments For sale	Shipments Producers' interchange
	(Tons of 2,000 pounds)		
Carbon steel			
Billets, etc., for forging	4,905	2,791	2,236
Other semi-finished shapes, not for re-rolling by makers	13,728	108	10,635
Structural shapes and piling	13,100	12,293	...
Plates	17,956	17,546	...
Rails	23,974	23,931	...
Tie plates and track material: Splice bars	1,018	993	...
Tie plates	4,120	4,044	...
Spikes	1,197	1,309	...
Concrete reinforcing bars	9,253	7,258	...
Hot rolled bars for cold finishing	404	...	404
Other hot rolled bars	37,768	28,541	7,821
Pipes and tubes	12,014	11,941	...
Wire rods	17,002	16,834	18
Hot rolled black sheets	58,835	20,484	42,960
Cold reduced black sheets	17,648	13,619	4,499
Galvanized sheets	7,639	7,531	...
Steel Castings	6,159	6,189	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	50,131	23,111	25,744
Total carbon steel	296,851	203,523	94,317
Alloy steel			
Billets, etc., for forging	413	473	...
Other semi-finished shapes, not for re-rolling by makers	396	...	396
Plates	11	74	...
Hot rolled bars for cold finishing	...	...	...
Other hot rolled bars	6,334	6,417	42
Wire rods	133	134	...
Steel castings	1,870	1,794	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	697	700	...
Total alloy steel	9,854	9,592	438

Table 11 - Production and Producers' Shipments of Primary Iron and Steel Shapes, Two Months Ended February, 1954

	Production (Including producers' interchange)	Shipments For sale	Shipments Producers' interchange
	(Tons of 2,000 pounds)		
Carbon steel			
Billets, etc., for forging	11,379	7,289	4,593
Other semi-finished shapes, not for re-rolling by makers	30,942	201	25,027
Structural shapes and piling	25,569	27,297	...
Plates	36,049	35,366	18
Rails	58,524	53,103	...
Tie plates and track material: Splice bars	2,010	2,508	...
Tie plates	7,411	7,147	...
Spikes	1,922	2,359	...
Concrete reinforcing bars	17,792	15,875	...
Hot rolled bars for cold finishing	972	...	968
Other hot rolled bars	75,335	55,030	14,585
Pipes and tubes	24,083	24,853	8
Wire rods	35,356	33,959	45
Hot rolled black sheets	139,458	40,174	97,607
Cold reduced black sheets	44,250	32,890	10,236
Galvanized sheets	16,130	16,846	...
Steel castings	12,577	12,892	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, cold reduced strip, axles, etc.)	106,279	59,350	47,182
Total carbon steel	646,038	427,139	200,269
Alloy steel			
Billets, etc., for forging	1,087	810	...
Other semi-finished shapes, not for re-rolling by makers	432	...	432
Plates	246	249	...
Hot rolled bars for cold finishing	...	...	...
Other hot rolled bars	12,024	11,202	66
Wire rods	136	158	...
Steel castings	3,730	3,585	...
All other products (includes tool steel, cold finished bars, tin mill black plate, tin plate, stainless steel, cold reduced strip, axles, etc.)	1,688	1,633	...
Total alloy steel	19,343	17,637	498

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 - Producers' Shipments, for Sale, of Primary Iron and Steel Shapes, Subdivided According to Principal Consuming Industries, February, 1954 and Year to Date

	February, 1954		Year to date	
	Carbon steel	Alloy steel	Carbon steel	Alloy steel
	(Tons of 2,000 pounds)			
Automotive industries	11,636	6,301	22,338	11,132
Agricultural, including farm machinery	4,726	102	8,468	175
Building construction	25,798	45	56,492	109
Containers industry	19,524	91	45,376	94
Machinery and tools	12,589	568	26,102	1,227
Merchant trade products	22,715	279	47,201	479
Mining, lumbering, etc.	6,571	807	14,855	1,515
National defence	1,861	321	5,101	692
Pressing, forming and stamping	12,673	80	28,574	200
Public works and utilities	486	34	1,930	51
Railway operating	33,638	69	70,610	195
Railway cars and locomotives	17,514	236	32,922	533
Shipbuilding	1,717	69	4,051	94
Miscellaneous and unclassified	908	138	1,968	223
Wholesalers and warehouses	29,087	83	57,412	145
Direct export (a) to British Empire	124	66	343	102
(b) to other countries	1,956	303	3,396	671
Total shipped for sale	203,523	9,592	427,139	17,637
Producers' interchange	94,317	438	200,269	498

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Pig iron -							
Basic	United States	59	...	...	59	...	...
Malleable	United States	228	...	...	228	...	...
Silvery	United States	232	...	...	444	...	...
Foundry	United States	357	...	...	541	...	...
	Australia	...	...	...	335	...	...
Ingots	United States	222	52	...	285	52	...
Billets, blooms, slabs and sheet bars	United States	136	3	...	156	7	...
	United Kingdom	...	10	...	...	15	...
Bars and sections -							
Hot rolled, n.o.p.	United States	2,469	277	8.9	4,215	892	20.0
	United Kingdom	16	13	12.5	67	37	28.5
	Belgium	324	...	...	680	...	...
	Austria	...	...	...	...	18	...
	France	13	...	...	13	...	...
Hot rolled -							
For agricultural implements	United States	288	...	...	509	...	...
Rounds over 4 7/8", squares over 4"	United States	135	7	...	417	9	...
	United Kingdom	...	...	...	12	5	...
Angles, channels, etc.	United States	740	...	1.1	1,346	...	5.0
	United Kingdom	30	...	...	55	...	...
	Belgium	138	...	...	192	...	...
	Germany	3	...	...	12	...	...
	France	7	...	...	7	...	...
Structurals (bar sizes) for agricultural implements	United States	16	...	...	43	...	...
Sash or casement sections	United States	239	...	...	405	...	...
	United Kingdom	27	...	...	38	...	...
	Belgium	...	...	...	55	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Bars and sections - (Concluded)							
Cold finished, n.o.p.	United States	395	42	13.8	981	69	28.3
	United Kingdom	163	5	2.6	180	5	2.6
	Belgium	48	...	...	91	...	...
	Sweden	...	71	...	...	71	...
Cold finished, for agricultural implements	United States	91	...	...	165	...	...
Tool steel	United States	4	55	...	9	87	...
	United Kingdom	36	109	...	44	175	...
Structurals	United States	27,411	...	...	55,689	...	...
	United Kingdom	490	...	...	742	...	...
	Belgium	1,911	...	...	2,735	...	...
	France	10	...	...	2,907	...	...
	Germany	176	...	...	176	...	...
Plates -							
78" and under in width	United States	3,384	71	36.9	7,125	82	69.1
	United Kingdom	1,976	...	13.9	2,852	...	19.6
	Japan	798	...	...	1,081	...	...
	Belgium	11	...	...	11	...	...
Over 78" and under 100" in width	United States	3,051	...	5.5	6,633	...	7.6
	United Kingdom	2,897	...	...	4,497	...	...
100" in width and over	United States	526	...	40.6	834	...	44.4
	United Kingdom	266	...	...	266	...	...
Flanged, dished or curved	United States	34	...	...	84	...	...
Boiler, pulp-mill digesters	United States	382	...	...	796	...	...
Chequered or surface pattern	United States	610	...	...	1,192	...	...
Sheets -							
Silicon .075 or more	United States	...	1,005	...	...	2,385	...
Galvanized	United States	2,044	...	...	4,350	...	...
	United Kingdom	91	...	...	351	...	...
Hot rolled -							
18 gauge and heavier	United States	4,951	16	4.6	12,031	36	5.0
	United Kingdom	49	...	21.8	618	...	45.9
	Sweden	...	...	11.8	...	...	11.8
Lighter than 18 gauge	United States	...	...	1.4	...	3	3.3
	United Kingdom	...	...	1.2	...	...	1.2
Cold rolled -							
18 gauge and heavier	United States	1,119	...	86.9	2,016	...	168.3
	United Kingdom	84	...	64.6	123	...	159.4
Lighter than 18 gauge	United States	1,859	...	104.1	3,829	...	105.1
	United Kingdom	215	...	32.8	285	...	59.6
	Sweden	...	...	...	...	...	5.3
Corrugated	United States	418	...	...	636	...	...
	United Kingdom	...	...	...	4	...	...
Coated with paint, tar, asphaltum, etc.	United States	89	...	...	219	...	...
For saws	United States	...	93	...	...	193	...
	United Kingdom	...	...	...	...	5	...
For hollow ware (vitreous enamel)	United States	837	...	...	2,014	...	...
	United Kingdom	62	...	...	164	...	...
For motor vehicles	United States	1,975	...	...	5,536	...	...
For heating apparatus	United States	19	...	...	19	...	...
For tubes	United States	...	...	...	77	...	...
Tin plate - Primes	United Kingdom	4	...	...	26	...	...
Terne plate - Long	United States	442	...	...	784	...	...
Short	United States	176	...	...	341	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Strip -							
Hot rolled -							
18 gauge and heavier	United States	526	1	...	898	12	...
	United Kingdom	30	...	...	36	...	...
Lighter than 18 gauge	United States	80	...	...	80	...	...
Cold rolled -							
18 gauge and heavier	United States	102	41	26.6	410	45	37.8
	United Kingdom	4	...	...	17	...	...
Lighter than 18 gauge	United States	297	7	162.7	465	15	334.9
	United Kingdom	42	...	...	46	...	...
	Sweden	...	4	...	...	5	...
For cold rolling	United States	11	...	...	11	...	...
For saws	United States	...	50	...	...	76	...
	United Kingdom	...	2	...	...	2	...
	Sweden	...	4	...	...	17	...
For tubes	United States	50	...	...	58	...	...
For motor vehicles	United States	1,270	...	...	3,760	...	...
For hoops	United States	51	...	...	82	...	...
	United Kingdom	...	...	...	61	...	...
Coated with paint, tar, asphaltum, etc.	United States	403	...	...	807	...	...
	Germany	2	...	...	2	...	...
Silicon .075 or more	United States	...	535	...	...	892	...
For butt hinges	United States	110	...	...	208	...	...
Galvanized	United States	306	...	...	614	...	...
	United Kingdom	59	...	...	140	...	...
	Belgium	5	...	...	6	...	...
Skelp -							
15 3/8" and under in width	United States	5,617	...	...	12,121	...	...
Over 15 3/8" in width	United States	401	...	...	843	...	...
Pipes and tubes -							
Cast	United States	67	...	...	417	...	...
	United Kingdom	1,560	...	...	1,703	...	...
	Germany	...	...	...	37	...	...
Repair of pressure parts of boilers -							
Hot finished	United States	566	...	51.3	683	13	100.6
	United Kingdom	107	...	...	236	...	...
	Switzerland	...	...	...	20	...	...
Cold drawn	United States	30	...	...	42	...	...
	United Kingdom	7	...	...	31	...	...
	Sweden	2	...	...	2	...	...
Welded	United States	328	4	...	708	4	...
	United Kingdom	...	...	...	67	...	...
Seamless, 12" and under in diameter -							
Cold drawn	United States	228	380	5.6	559	783	15.8
	United Kingdom	182	2	12.3	246	2	28.2
	Sweden	...	24	...	1	24	...
Hot finished	United States	807	31	.1	1,339	31	5.9
	United Kingdom	1,262	...	...	1,392	...	...
Seamless, over 12" in diameter -							
Hot finished	United States	179	2	...	697	14	...
	United Kingdom	...	...	...	4,083	...	...
Welded, 4" and under in diameter	United States	558	...	2.6	1,093	...	2.7
	United Kingdom	475	...	...	525	...	...
	France	40	...	...	59	...	...
	Germany	18	...	...	87	...	...
	Holland	7	...	...	7	...	...
Welded, over 4" in diameter	United States	268	...	8.5	424	...	9.0
	United Kingdom	56	...	...	56	...	...

Table 13 - Imports of Primary Forms of Iron and Steel, February, 1954 and Year to Date (Continued)

Commodity	Country of origin	February, 1954			Year to date		
		Carbon	Alloy	Stainless	Carbon	Alloy	Stainless
		(Tons of 2,000 pounds)					
Pipes and tubes - (Concluded)							
Tubing -							
Not over 1/2" diameter, welded and coated	United States	28	...	...	65	...	...
Spiral welded	United States	146	...	...	283	...	...
Conduit	United States	361	...	...	807	...	...
Casings	United States	4,199	...	...	7,088	...	...
	United Kingdom	3,271	...	...	4,188	...	...
	Germany	197	...	...	403	...	...
	Italy	...	...	...	572	...	...
Wire rope	United States	24	...	...	51	...	...
	United Kingdom	33	...	...	153	...	...
	Germany	2	...	...	10	...	...
	Belgium	2	...	...	2	...	...
	Holland	3	...	...	3	...	...
Wire for rope	United States	72	...	...	347	...	...
	United Kingdom	586	...	...	1,149	...	...
Wire - For springs, cushions, mattresses, etc.	United States	296	...	...	449	...	...
Wire - For corset clasps, dress stays, etc.	United States	...	...	...	28	...	...
Wire - coated or covered	United States	2	...	...	6	...	...
	United Kingdom	41	...	...	41	...	...
	Belgium	1	...	...	1	...	...
Wire - All other	United States	136	4	.7	329	9	1.6
	United Kingdom	15	...	...	78	...	...
	Belgium	11	...	...	11	...	...
	Germany	2	...	...	2	...	...
	Sweden	...	...	.6	...	...	.6
Wire rods, not over 3/8" in diameter.	United States	120	...	...	229	...	...
	United Kingdom	281	...	...	824	...	...
Welding wire and welding rods	United States	3	84	...	13	223	...
Tires - For railway rolling stock	United States	...	...	...	5	...	...
Wheels - For railway rolling stock	United Kingdom	672	...	...	1,367	...	...
Rails -							
60 lb. and under	United States	25	...	...	93	...	...
	Belgium	53	...	...	107	...	...
Over 60 lb. and including 100 lb.	United States	...	...	...	22	...	...
Over 100 lb.	United States	28	...	...	950	...	...
Track material -							
Fish plates, angle bars, etc.	United States	10	...	...	167	...	...
	United Kingdom	381	...	...	381	...	...
	Belgium	1	...	...	3	...	...
Switch points, etc.	United States	3	...	...	3	...	...
Total imports	United States	72,646	2,760	561.9	151,262	5,932	964.4
	All other	19,255	244	174.1	36,774	381	362.7
TOTAL		91,901	3,004	736.0	188,036	6,313	1,327.1

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Table 14 - Exports of Primary Iron and Steel, February, 1954 and Year to Date

	February, 1954	Year to date
	(Tons of 2,000 pounds)	
Pig iron	...	154
Ingots, blooms and billets	116	340
Bars	507	772
Rods	...	...
Plates, etc.	2,552	4,230
Rails	...	...
Structural shapes	11	190
Pipe and tubing - Wrought iron	36	36
Cast iron	21	21
Galvanized	...	...
Other	9	24
Castings, iron and steel	1,498	2,585
Forgings	300	698
Total	5,050	9,050