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41-001

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PRIMARY IRON AND STEEL

OCTOBER 1969

Published by Authority of
The Minister of Industry, Trade and Commerce

DOMINION BUREAU OF STATISTICS
Manufacturing and Primary Industries Division

December 1969
6506-707

Price: 30 cents
\$3.00 a year

Vol. 24—No. 10

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

x confidential to meet secrecy requirements
of the Statistics Act.

NOTE

The terms Shipments, Net Shipments, used throughout this publication refer to producers' shipments.

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces	15	9,005,000	2	332,000
Electric furnaces	11	575,000	-	-
Totals	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	October 1969	Ten months ended October 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	12,980	246,944
From foreign mines	27,723	456,523
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	358,371	5,624,909
From foreign mines	63,131	1,506,250
From own processing	13,765	704,377
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	17,513	227,548
Scrap iron and steel	12,677	122,293
Limestone	26,285	549,755
Dolomite	32,716	380,050
Coke	173,007	3,148,835

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
October	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	657,039	3,757	293,903	4,391
Foundry (including silvery pig)(2)	41,650	80,294	56,334	49,109
Malleable	14,862	29,833	6,980	12,483
Total pig iron	713,551	113,884	357,217	65,983
Ferro-alloys	16,061	15,194	15,033	13,147
Stocks of pig iron on hand at end of month	275,624		281,104	

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

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 3A. Production and Shipments of Pig Iron and Ferro-alloys

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
Ten months ended October	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	6,312,134	111,114	5,307,452	61,629
Foundry (including silvery pig)(2)	461,546	408,208	522,171	469,531
Malleable	236,675	181,099	252,043	157,431
Total pig iron	7,010,355	700,421	6,081,666	688,591
Ferro-alloys	138,503	144,091	167,060	165,282

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

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth	6,970,000
Electric	1,923,650
Basic oxygen furnace	3,800,000
Total ingots	12,693,650
Steel castings	420,725
Total ingots and castings	13,114,375

TABLE 5. Pig Iron and Scrap charged to Steel Furnaces

	October		Ten months ended October	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	645,440	299,434	6,152,592	5,057,465
Scrap - Own make	279,108	142,175	2,705,428	2,385,057
Purchased	187,852	175,592	1,677,865	1,727,087
Total pig iron and scrap	1,112,400	617,201	10,535,885	9,169,609

TABLE 6. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>October</u>				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth	844,024	15,444	390,367	19,026
Electric	129,724	20,344	139,495	22,304
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	973,748	35,788	529,862	41,330
Continuous cast steel included in above	102,665 ^r	x	87,065	x
Alloy steel ingots included in above	66,351	x	30,695	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	12,299	12,039	12,750	13,400
Basic oxygen furnace	-	-	-	-
Total steel castings	12,299	12,039	12,750	13,400
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	461	331	653	388
Manganese and abrasion resistant	1,735	2,057	2,116	2,366
All other alloys	586	634	1,048	1,040
Total alloy castings	2,782	3,022	3,817	3,794

Note: High alloy castings include all castings with an alloy content of 8% and over.

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

(2) Included with "Basic open hearth".

(3) Included with "Electric".

TABLE 6A. Production and Shipments of Steel Ingots and Castings

	1968		1969	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
Ten months ended October				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	8,021,498	124,199	6,875,207(4)	167,061
Electric	1,153,213	187,537	1,304,156	220,436
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	9,174,711	311,736	8,179,363(4)	387,497
Continuous cast steel included in above	872,569	x	989,359	x
Alloy steel ingots included in above	619,405	x	640,341	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	-	-
Electric	113,942	109,721	127,407	127,683
Basic oxygen furnace	-	-	-	-
Total steel castings	113,942	109,721	127,407	127,683
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	4,241	2,820	6,413	3,768
Manganese and abrasion resistant	17,463	18,571	19,773	21,389
All other alloys	5,635	5,838	9,125	8,892
Total alloy castings	27,339	27,229	35,311	34,049

Note: High alloy castings include all castings with an alloy content of 8% and over.

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

(2) Included with "Basic open hearth".

(3) Included with "Electric".

(4) Includes revisions to date.

TABLE 7. Disposition of Shipments(1) of Steel Castings

	October 1969		Ten months ended October 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	6	-	46
Export	899	403	11,127	3,033
Automotive and aircraft industries	752	-	5,723	1
Agricultural (including implement and equipment manufacturers)	141	21	1,002	295
Construction (including public works, public utilities and structural steel fabricators) ...	118	334	922	3,914
Machinery and tools	1,452	456	16,674	9,762
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	844	1,568	6,900	9,542
Railway operating	2,842	306	32,014	2,370
Railroad cars and locomotives	2,265	291	16,781	1,852
Shipbuilding	16	13	243	97
Miscellaneous (including grinding balls and railway car wheels)	277	396	2,248	3,137
Totals	9,606	3,794	93,634	34,049

(1) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request. Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 8. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1968</u>					
January	617,812	13,709	867,962	14,682	882,644
February	674,574	15,387	857,665	12,112	869,777
March	774,150	14,104	986,974	12,265	999,239
April	739,159	15,121	934,155	11,644	945,799
May	747,595	13,226	978,893	12,638	991,531
June	708,104	11,982	938,233	10,821	949,054
July	734,172	11,853	898,414	7,067	905,481
August	673,508	12,087	884,324	9,255	893,579
September	627,730	14,973	854,343	11,159	865,502
October	713,551	16,061	973,748	12,299	986,047
November	682,489	13,467	989,030	16,698	1,005,728
December	689,757	14,942	944,866	11,749	956,615
Totals	8,382,601	166,912	11,108,607	142,389	11,250,996
<u>1969</u>					
January	708,626	14,822	986,844	11,731	998,575
February	647,814	16,029	899,685	12,554	912,239
March	768,830	17,506	1,022,559	13,398	1,035,957
April	774,949	17,889	1,012,947	14,239	1,027,186
May	728,891	15,862	1,012,875	15,033	1,027,908
June	726,491	18,453	974,740	13,888	988,628
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	385,897	10,628	396,525
September	295,861	19,750	402,645	12,527	415,172
October	357,217	15,033	529,862	12,750	542,612
November					
December					
Totals					

TABLE 9. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>October</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	29,665	26,767	23,447	28,370
Over 4 1/2" outside diameter (excluding tubing and casing)	22,517	16,444	26,426	27,251
Mechanical and pressure tubing, casing and oil well tubing	21,875	18,910	12,600	15,887
Totals	74,057	62,121	62,473	71,508
<u>Steel pipe fittings</u>				
Buttwelding fittings	127	184	76	96
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	702	688	471	573
Totals	829	872	547	669

(1) Included with "Other".

TABLE 9A. Production and Shipments of Steel Pipe, Tubing and Fittings

	1968		1969	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Ten months ended October</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	232,604	221,904	239,286	248,649
Over 4 1/2" outside diameter (excluding tubing and casing)	498,359	488,134	417,545	434,399
Mechanical and pressure tubing, casing and oil well tubing	180,669	179,250	191,180	194,794
Totals	911,632	889,288	848,011	877,842
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,258	1,562	903	1,020
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	4,642	5,311	5,600	6,114
Totals	5,900	6,873	6,503	7,134

(1) Included with "Other".

TABLE 10. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
<u>October 1969</u>					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this Industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 10A. Production and Disposition of Shipments of Ingots and Rolled Steel Products

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
			net tons of 2,000	pounds	
Ten months ended October 1969					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Rails					
Wire rods					
Structural shapes:					
Heavy					
Bar-sized shapes					
Concrete reinforcing bars					
Other hot rolled bars:					
Flats					
Other					
Tie plates and track material:					
Angle bars					
Tie plates					
Track spikes					
Plates (including plates for pipes and tubes)					
Hot rolled sheets					
Hot rolled strip					
Total hot rolled products ...					
<u>Cold rolled and coated</u>					
Cold finished bars					
Cold reduced sheets and strip, tin mill black plate and tin plate					
Galvanized sheets					
Total cold rolled and coated ..					
Total carbon steel					
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling					
For forging and piercing					
Alloy plates					
Other hot rolled bars including structurals, high speed steel and other alloy tool steel					
Cold finished bars					
Wire rods					
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel					
Total alloy steel					

Note: Data on this table are being withheld pending settlement of strikes in this industry.

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

TABLE 11. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		October 1969		Ten months ended October 1969	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres				
b	Other warehouses				
6	Automotive and aircraft industries				
7	Agricultural				
8a	Contractors - Building				
b	Construction - Public and utility ..				
c	Structural steel fabricators				
9	Containers				
10	Machinery and tools				
11	Wire, wire products and fasteners ..				
12	Natural resources and extractive industries				
13	Appliances and utensils				
14	Other metal stamping and pressing ..				
16	Railway operating				
17	Railroad cars and locomotives				
18	Shipbuilding				
19	Pipes and tubes				
20	Miscellaneous				
	Total domestic shipments				
5a	Export - For conversion and return				
b	Other export (for final sale)				
i	USA				
ii	Other countries				
	Total domestic and export shipments				
	Production, (for sale only)				
	Imports by producers (including conversion)				

Note: Data on this table are being withheld
pending settlement of strikes
in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
October 1963

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
<hr/>								
	Total domestic shipments							
<hr/>								
5a	Export - For conversion and return							
b	<u>Other export (for final sale)</u>							
i	USA							
ii	Other countries							
<hr/>								
	Total domestic and exports shipments ..							
<hr/>								
	Production (for sale only)							
	Imports by producers (in- cluding conversion)							

Note: Data on this table are being withheld
pending settlement of strikes
in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
October 1969

Hot plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
net tons of 2,000 pounds								
								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								15
								17
								18
								19
								20
								5a
								b
								i
								ii

(2) Includes silicon sheets and strips and stainless steel.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Ten months ended October 1969

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres							
b	Other warehouses							
6	Automotive and aircraft industries							
7	Agriculture							
8a	Contractors - Building ...							
b	Construction - Public and utility							
c	Structural steel fabri- cators							
9	Containers							
10	Machinery and tools							
11	Wire, wire products and fasteners							
12	Natural resources and extractive industries ..							
13	Appliances and utensils ..							
14	Other metal stamping and pressing							
16	Railway operating							
17	Railroad cars and loco- motives							
18	Shipbuilding							
19	Pipes and tubes							
20	Miscellaneous							
Total domestic shipments								
5a	Export - For conversion and return							
b	Other export (for final sale)							
i	USA							
ii	Other countries							
Total domestic and exports shipments ..								
Production (for sale only)								
Imports by producers (in- cluding conversion)								

Note: Data on this table are being withheld
pending settlement of struck
in this Industry.

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 12A. Disposition of Net Shipments(1) of Rolled Steel Products, by Product
Ten months ended October 1969

Flat plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
net tons of 2,000 pounds								
<p>Note: Data on this table are being withheld pending settlement of strikes in this Industry.</p>								4a
								b
								6
								7
								8a
								b
								c
								9
								10
								11
								12
								13
								14
								15
								17
								18
								19
								20
								5a
								b
								i
								ii

(2) Includes silicon sheets and strips and stainless steel.

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