

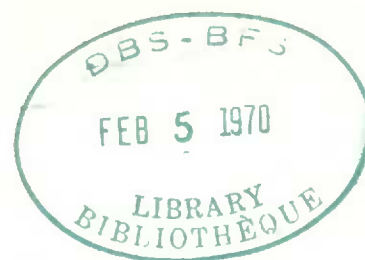
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SYMBOLS

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

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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)

	November 1969	Eleven months ended November 1969
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines	16,495	263,439
From foreign mines	30,032	486,555
Pyrite cinder	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines	744,820	6,369,729
From foreign mines	57,742	1,563,992
From own processing	86,773	791,150
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.)	19,706	247,254
Scrap iron and steel	14,568	136,861
Limestone	52,762	602,517
Dolomite	31,019	411,069
Coke	331,659	3,480,494

(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
<u>November</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	627,695	3,630	589,099	4,282
Foundry (including silvery pig)(2)	48,767	115,651	51,907	45,195
Malleable	6,027	21,162	4,930	16,634
Total pig iron	682,489	140,443	645,936	66,111
Ferro-alloys	13,467	16,358	16,674	17,673
Stocks of pig iron on hand at end of month	196,080		272,607	

(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
<u>Eleven months ended November</u>	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic	6,939,829	114,744	5,896,551	65,911
Foundry (including silvery pig)(2)	510,313	523,859	574,078	514,726
Malleable	242,702	202,261	256,973	174,065
Total pig iron	7,692,844	840,864	6,727,602	754,702
Ferro-alloys	151,970	160,449	183,734	182,955

(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

	November		Eleven months ended November	
	1968	1969	1968	1969
	net tons of 2,000 pounds			
Pig iron	622,258	581,721	6,774,850	5,639,186
Scrap - Own make	285,343	276,971	2,990,771	2,662,028
Purchased	226,445	228,645	1,904,310	1,955,732
Total pig iron and scrap	1,134,046	1,087,337	11,669,931	10,256,946

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>November</u>				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	854,280	19,487	806,592	16,937
Electric	134,750	21,493	141,644	27,372
Basic oxygen furnace	(2)	(2)	(2)	(2)
Total steel ingots	989,030	40,980	948,236	44,309
Continuous cast steel included in above	103,244 ^F	x	109,685	x
Alloy steel ingots included in above	79,279	x	71,996	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	(3)	(3)
Electric	16,698	18,535	12,684	13,132
Basic oxygen furnace	-	-	-	-
Total steel castings	16,698	18,535	12,684	13,132
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	483	325	568	327
Manganese and abrasion resistant	1,972	1,984	1,990	2,334
All other alloys	559	610	816	963
Total alloy castings	3,014	2,919	3,374	3,624

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
Eleven months ended November 1969				
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth	8,875,778	143,686	7,681,799	183,998
Electric	1,287,963	209,030	1,445,800	247,808
Basic oxygen furnace	(3)	(3)	(3)	(3)
Total steel ingots	10,163,741	352,716	9,127,599	431,806
Continuous cast steel included in above	975,813 ^r	x	1,099,044	x
Alloy steel ingots included in above	698,684	x	712,337	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth	(3)	(3)	(3)	(3)
Electric	130,640	128,256	140,091	140,815
Basic oxygen furnace	-	-	-	-
Total steel castings	130,640	128,256	140,091	140,815
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant	4,724	3,145	6,981	4,095
Manganese and abrasion resistant	19,435	20,555	21,763	23,723
All other alloys	6,194	6,448	9,941	9,855
Total alloy castings	30,353	30,148	38,685	37,673

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 7. Disposition of Shipments(1) of Steel Castings

	November 1969		Eleven months ended November 1969	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses	-	6	-	52
Export	453	331	11,580	3,364
Automotive and aircraft industries	674	-	6,397	1
Agricultural (including implement and equipment manufacturers)	107	20	1,109	315
Construction (including public works, public utilities and structural steel fabricators) ...	73	243	995	4,157
Machinery and tools	1,650	384	18,324	10,146
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.)	948	1,777	7,848	11,319
Railway operating	3,205	264	35,219	2,634
Railroad cars and locomotives	2,133	209	18,914	2,061
Shipbuilding	15	9	258	106
Miscellaneous (including grinding balls and railway car wheels)	250	381	2,498	3,518
Totals	9,508	3,624	103,142	37,673

(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				
1968					
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
1969					
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	782,891	15,862	1,013,833	15,033	1,028,866
June	726,491	18,453	974,843	13,888	988,731
July	732,290	15,152	942,868	10,659	953,527
August	286,697	16,564	387,527	10,628	398,155
September	295,861	19,750	408,395	12,527	420,922
October	357,217	15,033	529,862	12,750	542,612
November	645,936	16,674	948,236	12,684	960,920
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>November</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	31,824	27,282	20,708	22,544
Over 4 1/2" outside diameter (excluding tubing and casing)	22,979	12,873	24,689	22,633
Mechanical and pressure tubing, casing and oil well tubing	23,394	18,652	9,906	14,437
Totals	78,197	58,807	55,303	59,614
<u>Steel pipe fittings</u>				
Buttwelding fittings	177	202	124	202
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	802	809	619	675
Totals	979	1,011	743	877

(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>Eleven months ended November</u>				
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing)	264,428	249,186	259,994	271,193
Over 4 1/2" outside diameter (excluding tubing and casing)	521,338	501,007	436,327 (2)	450,280 (2)
Mechanical and pressure tubing, casing and oil well tubing	204,063	197,902	201,086	209,231
Totals	989,829	948,095	897,407 (2)	930,704 (2)
<u>Steel pipe fittings</u>				
Buttwelding fittings	1,435	1,764	1,027	1,222
Nipples	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	5,444	6,120	6,219	6,789
Totals	6,879	7,884	7,246	8,011

(1) Included with "Other".

(2) Includes a revision for October 1969.

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>November 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: Figures not available due to strike conditions in the Steel Industry. Eleven months' cumulative figures only are released in this issue.

(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
Eleven months ended November 1969(2)			net tons of 2,000 pounds		
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling	510,426	225,408	561,967	491,018	70,949
For forging and piercing	199,202	-	205,712	...	205,712
Rails	265,922	-	269,291	...	269,291
Wire rods	409,078	-	416,291	...	416,291
Structural shapes:					
Heavy	403,628	-	421,156	...	421,156
Bar-sized shapes	133,168	-	129,680	...	129,680
Concrete reinforcing bars	630,042	2,648	654,546	...	654,546
Other hot rolled bars:					
Flats	60,207	-	102,549) 18,622	489,510
Other	440,915	-	405,583		
Tie plates and track material:					
Angle bars	6,706	-	6,518	...	6,518
Tie plates	58,869	-	58,900	...	58,900
Track spikes	10,552	-	10,345	...	10,345
Plates (including plates for pipes and tubes)	851,973	-	849,580	...	849,580
Hot rolled sheets	1,046,381	7,894	1,069,465	40,756	1,028,709
Hot rolled strip	240,174	-	278,449	175	278,274
Total hot rolled products ...	5,267,243	235,950	5,440,032	550,571	4,889,461
<u>Cold rolled and coated</u>					
Cold finished bars	69,701	-	70,000	...	70,000
Cold reduced sheets and strip, tin mill black plate and tin plate	1,396,881	-	1,429,769	36,568	1,393,201
Galvanized sheets	562,120	-	561,450	...	561,450
Total cold rolled and coated ..	2,028,702	-	2,061,219	36,568	2,024,651
Total carbon steel	7,295,945	235,950	7,501,251	587,139	6,914,112
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling	-	-	-	-	-
For forging and piercing	61,150	-	61,150	...	61,150
Alloy plates	13,612	-	13,612	...	13,612
Other hot rolled bars including structurals, high speed steel and other alloy tool steel	189,283	-	189,356	333	189,023
Cold finished bars	6,497	-	6,294	...	6,294
Wire rods	3,937	-	3,937	...	3,937
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel	75,150	30,478	111,026	...	111,026
Total alloy steel	349,629	30,478	385,375	333	385,042

(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.

(2) Figures for August, September and October which were not available due to the strike in the Steel Industry, have been included in the accumulated figures in this issue. Monthly figures will be released commencing with the December issue.

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

SDI No.		November 1969		Eleven months ended November 1969(2)	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres			893,445	30,679
b	Other warehouses			125,147	214
6	Automotive and aircraft industries			678,528	104,239
7	Agricultural			140,524	4,078
8a	Contractors - Building			479,126	100
b	Construction - Public and utility ..			37,230	10
c	Structural steel fabricators			828,152	7,574
9	Containers	<u>Note:</u> Figures not available due to strike condi- tions in the Steel Industry. Eleven months' cumulative figures only are re- leased in this issue.		471,574	265
10	Machinery and tools			226,442	35,337
11	Wire, wire products and fasteners ..			456,293	28,125
12	Natural resources and extractive industries			131,925	22,824
13	Appliances and utensils			162,906	2,234
14	Other metal stamping and pressing ..			386,276	10,940
16	Railway operating			297,566	5
17	Railroad cars and locomotives			81,471	946
18	Shipbuilding			41,950	2,328
19	Pipes and tubes			803,456	45,523
20	Miscellaneous			77,755	823
	Total domestic shipments			6,319,766	296,244
5a	Export - For conversion and return			37,148	30,501
b	Other export (for final sale)				
i	USA			414,673	39,021
ii	Other countries			142,525	19,276
	Total domestic and export shipments			6,914,112	385,042
	Production, (for sale only)			7,295,945	349,629
	Imports by producers (including conversion)			235,950	30,478

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

(2) Figures for August, September and October which were not available due to the strike in the Steel Industry, have been included in the accumulated figures in this issue. Monthly figures will be released commencing with the December issue.

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

November 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: Figures not available due to strike conditions in the Steel Industry. Eleven months' cumulative figures only are released in this issue.

(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
November 1969

Tie 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
								16
								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
Eleven months ended November 1969(3)

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	201	2,445	422	83,231	35,329	161,014	91,791
b	Other warehouses	44	1,607	26	16,333	7,058	20,954	5,474
6	Automotive and aircraft industries	28,172	-	347	1,428	219	85	149,319
7	Agriculture	315	-	39	4,526	6,079	-	35,121
8a	Contractors - Building ...	-	212	1,292	5,668	695	90,516	3,831
b	Construction - Public and utility	-	6	-	5,170	115	18,485	2,336
c	Structural steel fabri- cators	1,144	538	4,859	247,497	56,426	201,148	86,361
9	Containers	-	-	56	-	-	-	26
10	Machinery and tools	194	187	11,617	7,273	2,386	410	31,525
11	Wire, wire products and fasteners	7,901	-	359,246	299	2,038	365	68,982
12	Natural resources and extractive industries ..	4,412	6,140	-	5,328	592	8,273	89,756
13	Appliances and utensils ..	-	20	-	1,043	510	354	943
14	Other metal stamping and pressing	3,525	764	1,256	2,811	5,789	132,185	25,635
16	Railway operating	101	214,504	-	1,696	724	-	4,454
17	Railroad cars and loco- motives	24,586	77	-	8,986	373	6	3,890
18	Shipbuilding	-	8	-	5,121	155	-	1,287
19	Pipes and tubes	125,422	-	880	-	-	151	119
20	Miscellaneous	54,544	21	4,038	191	271	5,151	4,226
	Total domestic shipments	250,561	226,529	384,078	396,601	118,759	639,097	605,076
5a	Export - For conversion and return	37,148	-	-	-	-	-	-
b	Other export (for final sale)							
i	USA	44,278	17,382	26,342	24,541	10,921	7,490	66,322
ii	Other countries	5,824	25,380	9,808	14	-	7,959	7,135
	Total domestic and exports shipments ..	337,811	269,291	420,228	421,156	129,680	654,546	678,533
	Production (for sale only)	770,778	265,922	413,015	403,628	133,168	630,042	690,405
	Imports by producers (in- cluding conversion)	225,408	-	-	-	-	2,648	-

(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

Eleven months ended November 1969(3)

Tie 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								
570	130,123	135,930	2,478	28,227	155,319	97,044	924,124	4a
80	22,587	29,931	6,339	-	14,928	-	125,361	b
-	7,734	366,787	27,472	17,953	165,250	18,001	782,767	6
-	13,288	45,193	2,435	11,129	22,797	3,680	144,602	7
56	12,677	41,811	3,169	326	46,965	272,008	479,226	8a
70	1,599	6,160	-	-	2,722	577	37,240	b
25	155,815	33,057	7,369	639	7,686	33,162	835,726	c
-	204	5,308	1,290	32	463,642	1,281	471,839	9
-	48,291	43,119	8,838	8,987	89,426	9,526	261,779	10
3,521	4,124	14,749	349	2,121	18,298	2,425	484,418	11
671	15,091	7,997	78	122	7,215	9,074	154,749	12
-	2,500	21,449	1,288	2,090	112,931	22,012	165,140	13
29	21,999	44,824	6,141	2,723	129,443	20,092	397,216	14
62,390	5,631	1,636	-	51	140	244	297,571	16
1	31,210	11,968	-	7	91	1,222	82,417	17
-	35,531	1,602	256	44	37	237	44,278	18
-	311,479	138,904	207,307	233	58,689	5,795	848,979	19
9	(- 2)	244	95	352	8,412	1,026	78,578	20
73,422	819,881	950,669	274,904	75,036	1,303,991	497,406	6,616,010	
-	-	-	-	-	30,501	-	67,649	5a
662	43,311	69,662	3,370	1,068	88,633	49,712	453,694	i
1,679	-	8,378	-	190	81,102	14,332	161,801	ii
75,763	863,192	1,028,709	278,274	76,294	1,504,227	561,450	7,299,154	
76,127	865,585	1,046,381	240,174	76,198	1,472,031	562,120	7,645,574	
-	-	7,894	-	-	30,478	-	266,428	

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

(3) Figures for August, September and October which were not available due to the strike in the Steel Industry, have been included in the accumulated figures in this issue. Monthly figures will be released commencing with the December issue.

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