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DEPARTMENT OF TRADE AND COMMERCE  
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OTTAWA - CANADA

Dominion Statistician:      R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)  
Chief - Mining, Metallurgical and Chemical Branch:      W. H. Losee, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JANUARY - 1941

PIG IRON - Pig iron production in Canada during January totalled 103,085 gross tons compared with 110,477 tons in the previous month and 104,703 tons in January, 1940. This month's total included 89,597 tons of basic iron, 8,271 tons of foundry iron and 5,217 tons of malleable iron.

On January 1st, a 450 ton furnace at Sault Ste. Marie, Ont., was shut down for overhauling with the result that eight furnaces, representing about 32 per cent of the total Canadian capacity, were in blast at the end of the month. Charges to these active furnaces during January included 186,138 tons of iron ore, 51,059 short tons of limestone and 104,786 short tons of coke.

FERRO-ALLOYS - Output of ferro-alloys during January amounted to 15,231 tons compared with 18,397 tons in December and 8,065 tons in January of a year ago. The current month's total included eight different grades listed according to tonnage as follows: ferrosilicon, spiegeleisen, silicomanganese, ferrochrome, ferromanganese, silicospiegel, ferrophosphorus and calcium silicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings in January amounted to 186,303 gross tons compared with 185,420 tons in December and 166,496 tons in January, 1940. This month's total established a new high for the industry and included 180,563 tons of ingots and 5,740 tons of direct castings.

PRICES - The Bureau's weekly composite index of a representative list of iron and steel prices moved up 0.1 to 106.3 in mid-January where it remained for the balance of the month. Accounting for the increase were higher prices for No. 1 and 2 machinery cast iron scrap which more than offset a minor decline for hot rolled steel sheets, No. 24 U.S. gauge in the rolling mill products section. There was no change in pig iron over the month, No. 1 foundry holding at \$28.00 per gross ton, delivered at Montreal.

PRODUCTION IN UNITED STATES - (From the "Iron Age") - During January the operating rate for iron blast furnaces in the United States reached 99.5 per cent of capacity compared with 97.2 per cent in December. On a daily basis, production rose 2.5 per cent or from 146,697 net tons of 150,441 net tons. During the month one furnace was taken off blast and four were blown in.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JANUARY 1941 and DECEMBER 1940

	JANUARY, 1941			DECEMBER, 1940		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	85,469	4,128	89,597	98,736	2,815	101,601
Foundry .....	...	8,271	8,271	...	5,136	5,136
Malleable .....	...	5,217	5,217	...	3,690	3,690
TOTAL .....	85,469	17,616	103,085	98,736	11,691	110,427
Ferro-alloys .....	...	15,231	15,231	...	18,397	18,397

Table 2 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER 1940 and 1939

	1 9 4 0			1 9 3 9		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic .....	939,857	34,772	974,629	630,875	24,685	655,560
Foundry .....	99	107,825	107,924	...	71,709	71,709
Malleable .....	104	86,237	86,341	...	28,462	28,462
TOTAL .....	940,060	228,834	1,168,894	630,875	124,856	755,731
Ferro-alloys .....	...	155,412	155,412	...	76,375	76,375

Table 3 - IRON BLAST FURNACE CHARGES DURING JANUARY 1941 and DECEMBER 1940 and TWELVE MONTHS ENDING DECEMBER, 1940

	Unit	JANUARY 1941	DECEMBER 1940	TWELVE MONTHS 1940
Iron ore .....	Long ton	186,138	202,432	2,103,001
Limestone .....	Short ton	51,059	56,779	585,122
Coke .....	Short ton	104,736	111,799	1,222,732

STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING JANUARY 1941 and DECEMBER 1940

	JANUARY, 1941			DECEMBER, 1940		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic .....	165,595	6,730	172,325	154,669	15,203	169,872
Electric .....	7,946	292	8,238	10,546	...	10,546
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	173,541	7,022	180,563	165,215	15,203	180,418
STEEL CASTINGS -						
Open hearth - Basic .....	222	936	1,158	204	681	865
Converter .....	...	184	184	...	162	162
Electric .....	1,590	2,808	4,398	1,259	2,716	3,975
Total Steel Castings ...	1,812	3,928	5,740	1,463	3,559	5,022
GRAND TOTAL .....	175,353	10,950	186,303	166,678	18,742	185,420



Table 5 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER, 1940 and 1939

	1 9 4 0			1 9 3 9		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS -</u>						
Open hearth - Basic .....	1,757,337	60,892	1,818,229	1,253,146	6,085	1,259,231
Electric .....	123,390	...	123,390	71,177	...	71,177
Other .....	...	...	...	...	...	...
Total Steel Ingots .....	1,880,727	60,892	1,941,619	1,324,323	6,085	1,330,408
<u>STEEL CASTINGS -</u>						
Open hearth - Basic .....	2,924	15,388	18,312	2,964	12,637	15,601
Converter .....	...	1,657	1,657	...	834	834
Electric .....	13,329	35,255	48,584	1,017	37,010	38,027
Total Direct Steel Castings	16,253	52,300	68,553	3,981	50,481	54,462
GRAND TOTAL .....	1,897,480	113,692	2,011,172	1,328,304	56,566	1,384,870

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA  
1916 - 1939 (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916 .....	87	106	1928 .....	86	103
1917 .....	87	130	1929 .....	90	115
1918 .....	89	139	1930 .....	62	34
1919 .....	68	77	1931 .....	35	56
1920 .....	81	92	1932 .....	12	28
1921 .....	50	56	1933 .....	19	34
1922 .....	52	40	1934 .....	34	63
1923 .....	73	73	1935 .....	50	78
1924 .....	49	55	1936 .....	57	93
1925 .....	48	63	1937 .....	75	117
1926 .....	63	65	1938 .....	59	96
1927 .....	59	76	1939 .....	63	115

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1940 and 1941 (In 1000's of long tons)

CASTINGS, BY MONTH, 1940 AND 1941 (IN 1940'S OF TONS, 1941'S OF TONS)								
Month	P I G		I R O N		:		S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1940	1941	1940	1941	1940	1941	1940	1941
January .....	34	36	71	87	1,105	103	167	186
February .....	23		64		87		140	
March .....	34		58		92		157	
April .....	31		53		84		153	
May .....	37		53		93		175	
June .....	33		56		89		166	
July .....	34		62		96		170	
August .....	34		55		89		172	
September .....	32		73		105		165	
October .....	35		74		102		185	
November .....	33		77		110		176	
December .....	35		75		110		185	
TOTAL .....	395		774		1,169		2,011	

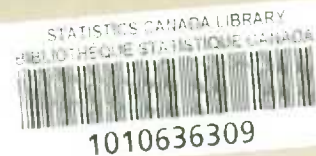


Table 8 - IRON BLAST FURNACES IN CANADA

Name of Company	Location of furnace	Number of stacks	Total Daily Capacity (Long tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	3	1,200
Canadian Furnace Limited	Port Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	975
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF JANUARY, 1941

Condition of furnaces	Number of furnaces	Total Daily Capacity Long tons	Per cent
In blast .....	8	3,375	82
Banked .....	...	...	...
Blown out .....	2	750	18
Total Furnaces Reporting .....	10	4,125	100

NOTE - Figures in this report are the latest available at time of printing. Where necessary, data for earlier months have been revised.