41.003
C2
Bank of Canada LIBRARY RESEARCH DEPARTMENT

Published by Authority of the HON. JAMES A. MacKINNON, M.P.
Minister of Trade and Commerce

MC3-4-4-46
Price - 10 cents

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

Dominion Statistician: Herbert Marshall, B.A., F.S.S.
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

FEBRUARY, 1946

Pig Iron - Production of pig iron in Canada amounted to 143,171 net tons in February compared with 149,487 tons in the corresponding month of last year. The total for the current month included 119,520 tons of basic iron, 14,567 tons of foundry iron and 9,084 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in February amounted to 10,872 net tons compared with 10,878 tons in the previous month and with 13,402 tons in February of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during February totalled 233,893 net tons compared with 250,464 tons in February of last year. Output in the month under review included 226,273 tons of ingots and 7,620 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JANUARY AND FEBRUARY, 1946

	January			February		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
PIG IRON -						
Basic	114,389	2,169	116,558	117,187	2,333	119,520
Foundry	...	16,255	16,255	153	14,414	14,567
Malleable	...	10,872	10,872	...	9,084	9,084
Total Pig Iron ...	114,389	29,296	145,685	117,340	25,831	143,171
FERRO-ALLOYS	...	10,878	10,878	...	10,872	10,872

Table 2 - CUMULATIVE PRODUCTION FOR THE TWO MONTHS ENDED FEBRUARY 1945 and 1946

	1945			1946		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
PIG IRON -						
Basic	240,459	13,576	254,035	231,576	4,502	236,078
Foundry	...	22,997	22,997	153	30,669	30,822
Malleable	...	28,424	28,424	...	19,956	19,956
Total Pig Iron ...	240,459	64,997	305,456	231,729	55,127	286,856
FERRO-ALLOYS	...	25,532	25,532	...	21,750	21,750

Table 3 - IRON BLAST FURNACE CHARGES DURING JANUARY AND FEBRUARY 1946 and TWO MONTHS ENDED FEBRUARY, 1946

	January 1946	February 1946	Two Months Ended February, 1946
	(Net tons of 2,000 pounds)		
Iron ore	262,203	262,292	524,495
Mill cinder, scale, sinter, etc.	19,190	17,145	36,335
Limestone	63,229	64,495	127,724
Dolomite	1,273	1,134	2,407
Coke	136,700	134,948	271,648
Scrap iron and steel	4,167	4,368	8,535

Table 4 - IRON BLAST FURNACES IN CANADA

Name of Company	Location of Furnaces	Number of Stacks	Total Annual Capacity (Net tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	4	730,000
Canadian Furnace Limited	Port Colborne, Ont.	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ont.	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	5	1,062,000
	TOTAL	14	2,770,760

Table 5 - DESCRIPTION OF IRON BLAST FURNACES AT END OF FEBRUARY, 1946

Condition of Furnaces	Number of Furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	8	1,927,950	69.5
Banked	2	347,400	12.5
Blown out	4	495,410	18.0
TOTAL	14	2,770,760	100.0

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING JANUARY AND FEBRUARY, 1946

	January			February		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
Steel Ingots						
Open hearth - Basic	203,789	7,169	210,958	196,611	4,263	200,874
Electric	25,521	...	25,521	25,399	...	25,399
Total Steel Ingots ...	229,310	7,169	236,479	222,010	4,263	226,273
Alloy steel ingots included in above	9,468	...	9,468	6,687	...	6,687
Steel Castings						
Open hearth - Basic	96	2,205	2,301	188	2,085	2,273
Converter	2	16	18	2	10	12
Electric	1,259	4,566	5,825	906	4,429	5,335
Total Steel Castings ..	1,357	6,787	8,144	1,096	6,524	7,620
Alloy steel castings included in above	447	764	1,211	326	735	1,061
TOTAL INGOTS AND CASTINGS	230,667	13,956	244,623	223,106	10,787	233,893

Table 7 - CUMULATIVE PRODUCTION FOR THE TWO MONTHS ENDED FEBRUARY, 1945 and 1946

	1945			1946		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
Steel Ingots						
Open hearth - Basic	418,053	2,055	420,108	400,400	11,432	411,832
Electric	63,790	5,378	69,168	50,920	...	50,920
Total Steel Ingots ...	481,843	7,433	489,276	451,320	11,432	462,752
Alloy steel ingots included in above	76,460	...	76,460	16,155	...	16,155
Steel Castings						
Open hearth - Basic	251	5,492	5,743	284	4,290	4,574
Converter	6	93	99	4	26	30
Electric	11,373	12,695	24,068	2,165	8,995	11,160
Total Steel Castings ..	11,630	18,280	29,910	2,453	13,311	15,764
Alloy steel castings included in above	808	3,439	4,247	773	1,499	2,272
TOTAL INGOTS AND CASTINGS	493,473	25,713	519,186	453,773	24,743	478,516

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	January 1946	February 1946	Two Months Ended February, 1946
	(Net tons)		
Pig iron	122,526	119,773	242,299
Scrap - Own make	73,237	64,855	138,092
Purchased	72,659	71,412	144,071

Table 9 - STEEL FURNACE CAPACITY AT END OF FEBRUARY, 1946

	Annual Capacity
	(Net tons)
Ingots - Basic open hearth	2,785,400
Electric	573,200
Total Ingots	3,358,600
Steel castings	264,800
TOTAL INGOTS AND CASTINGS	3,623,400

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA
1010636431

Table 10 - MONTHLY PRODUCTION OF PIG IRON, FERRO-ALLOYS AND STEEL, 1945 and 1946

Month	Pig Iron	Ferro-alloys	Steel		
			Ingots	Castings	Total Steel
	(Net tons of 2,000 pounds)				
1945					
January	155,969	12,130	253,674	15,048	268,722
February	149,487	13,402	235,602	14,862	250,464
March	165,817	16,434	261,524	15,937	277,461
April	156,070	18,350	260,144	14,069	274,213
May	155,574	19,883	254,629	13,014	267,643
June	159,046	18,473	244,792	12,323	257,115
July	150,387	15,750	220,379	8,782	229,161
August	139,812	15,668	214,930	9,998	224,928
September	135,227	13,517	189,640	8,868	198,508
October	140,693	14,555	198,185	7,661	205,846
November	134,651	13,360	200,932	7,049	207,981
December	135,225	15,456	212,775	6,506	219,281
TOTAL	1,777,958	186,978	2,747,206	134,117	2,881,323
1946					
January	143,685	10,878	236,479	8,144	244,623
February	143,171	10,872	226,273	7,620	233,893
Total Two Months..	286,856	21,750	462,752	15,764	478,516

- - - - - - -