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DEPARTMENT OF TRADE AND COMMERCE
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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

MARCH, 1942

PIG IRON - Production of pig iron in March totalled 167,116 net tons, a daily average of 5,391 net tons compared with 5,142 net tons per day in the previous month. The total for the current month included 136,289 net tons of basic iron, 15,361 net tons of foundry iron and 15,466 net tons of malleable iron. Stocks of pig iron held by the producers at the end of March amounted to 33,050 net tons.

FERRO-ALLOYS - Output of ferro-alloys in March amounted to 20,261 net tons compared with 17,358 tons in the previous month and with 17,025 tons in March of a year ago. The current month's total included the following alloys: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, ferrochrome silicon, Chrom-X, spiegel-eisen, calcium silicon and ferrophosphorus.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings during March totalled 265,903 net tons compared with 242,921 tons made in February of this year and with 218,939 tons made in March, 1941. Output in the month under review included 251,694 tons of ingots and 14,209 tons of castings. Steel furnaces operated at about 98 per cent of capacity during the month.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 PRODUCTION DURING MARCH AND FEBRUARY, 1942

	<u>MARCH, 1942</u>			<u>FEBRUARY, 1942</u>		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
<u>PIG IRON</u> -						
Basic	130,588	5,701	136,289	111,161	6,263	117,424
Foundry .....	...	15,361	15,361	...	13,790	13,790
Malleable .....	...	15,466	15,466	...	12,759	12,759
TOTAL PIG IRON	130,588	36,528	167,116	111,161	32,812	143,973
 Ferro-alloys .....	...	20,261	20,261	...	17,358	17,358

Table 2 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDED MARCH, 1942 and 1941

	1 9 4 2			1 9 4 1		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
PIG IRON -						
Basic	370,304	17,904	388,208	273,750	4,823	278,573
Foundry .....	...	44,920	44,920	...	25,102	25,102
Malleable .....	...	41,117	41,117	401	27,965	28,366
TOTAL PIG IRON ...	370,304	103,941	474,245	274,151	57,690	331,841
Ferro-alloys .....	...	55,623	55,623	...	46,931	46,931

Table 3 - IRON BLAST FURNACE CHARGES DURING MARCH, and FEBRUARY, 1942 and THREE MONTHS ENDED MARCH, 1942

	MARCH, 1942	FEBRUARY 1942	THREE MONTHS ENDED MARCH, 1942
	(Net tons of 2,000 pounds)		
Iron ore	302,258	263,080	862,270
Limestone	69,104	66,238	205,340
Coke	144,722	130,536	419,260
Scrap iron and steel	11,371	7,793	28,813

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.	3	490,560
Canadian Furnace Limited	Port Colborne, Ont.	2	221,760
The Steel Company of Canada, Limited	Hamilton, Ont.	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	654,000
	TOTAL	12	2,123,320

Table 5 - DESCRIPTION OF IRON BLAST FURNACES AT END OF MARCH, 1942

Condition of furnaces	Number of furnaces	Total Annual Capacity Net tons	Per cent
In blast	11	2,000,720	94
Banked .....	...	...	...
Blown out (x)	1	122,600	6
TOTAL FURNACES REPORTING	12	2,123,320	100

(x) Has not operated for some years--now being reconditioned.

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING MARCH AND FEBRUARY, 1942

	MARCH, 1942			FEBRUARY, 1942		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>STEEL INGOTS -</u>						
Open hearth - Basic	209,953	16,036	225,989	196,847	11,522	208,369
Electric	21,621	4,084	25,705	18,427	3,537	21,964
Total Steel Ingots ...	231,574	20,120	251,694	215,274	15,059	230,333
Alloy steel ingots included in above	22,484	255	22,739	24,522	212	24,734
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	267	1,811	2,078	282	1,387	1,669
Converter .....	...	359	359	...	358	358
Electric	4,681	7,091	11,772	4,112	6,449	10,561
Total Steel Castings ..	4,948	9,261	14,209	4,394	8,194	12,588
Alloy steel castings included in above	1,423	1,576	2,999	1,694	1,473	3,167
TOTAL INGOTS AND CASTINGS	236,522	29,381	265,903	219,668	23,253	242,921

Table 7 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDED MARCH, 1942 and 1941

	1 9 4 2			1 9 4 1		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
<u>STEEL INGOTS -</u>						
Open hearth - Basic	614,048	42,643	656,691	545,708	20,052	565,760
Electric	59,810	11,166	70,976	33,419	595	34,014
Total Steel Ingots ...	673,858	53,809	727,667	579,127	20,647	599,774
Alloy steel ingots included in above	69,514	548	70,062	not available		
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	928	5,341	6,269	686	4,731	5,417
Converter .....	...	1,080	1,080	...	595	595
Electric	11,726	21,098	32,824	5,479	9,753	15,232
Total Steel Castings ...	12,654	27,519	40,173	6,165	15,079	21,244
Alloy steel castings included in above	4,526	4,494	9,020	not available		
TOTAL INGOTS AND CASTINGS	686,512	81,328	767,840	585,292	35,726	621,018

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	MARCH, 1942	FEBRUARY, 1942	THREE MONTHS ended MARCH, 1942
(Net tons of 2,000 pounds)			
Pig iron	137,682	121,945	389,937
Scrap - own make	72,320	68,647	213,598
purchased	97,694	75,994	255,256



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Iron and Steel

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Table 9 - STEEL FURNACE CAPACITY AT END OF MARCH, 1942

	Annual Capacity
	(Net tons)
Ingots - Basic open hearth	2,667,000
Electric	326,000
TOTAL INGOTS	2,993,000
Steel castings	212,000
TOTAL INGOTS AND CASTINGS	3,205,000