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DEPARTMENT OF TRADE AND COMMERCE DOMENION BUREAU OF STATISTICS

CENSUS OF INDUSTRY MINING, METALLURGICAL AND CHEMICAL BRANCH

OTTAWA - CANADA

Acting Dominion Statistician: Chief - Mining, Metallurgical and Chemical Branch:

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

MARCH, 1942

PIG 180N - 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, spiegeleisen, calcium silicon and ferrophosphorus.

STEEL INGUTS 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 IHUN AND FERRU-ALLOYS

Table 1 PRODUCTION DURING	MARCH AND	FEBRUARY	, 1942			
	MA	RCH, 194	2	FEBR	UAKY, 19	42
	For own	For		For own	For	
	use	sale	TUTAL	use	sale	TUTAL
		(1)	et tons of	2,000 poun	ds)	
PIG IRUN -						
Basic	130,588	5,701	136,289	111,161	6,263	117,424
Foundry		15,361	15,361	000	13,790	13,790
Malleable	603	15,466	15,466		12,759	12,759
TOTAL PIG INON	130,588	36,528	167,116	111,161	32,812	143,973
Ferro-alloys		20,261	20,261		17,358	17,358

			5 - 10 - 11 - 12 - 12 - 12 - 12 - 12 - 12		MARINE MARINE	3040 3 3043
'lable 2 -	GUMBLATIVE	PRODUCTION	FUR THE	THREE MUNITIO	ENDED MARCH.	1942 and 1941

	1	9 4 2		1	9 4 1	
	For own	For		For own	For	
	use	sale	TUTAL	use	sale	TOTAL
		(Net	tons of	2,000 pounds)		
PIG IRON -						
Basic	370,304	17,904	388,208	273,750	4,623	278,373
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 ENDE	D MARCH, 1942	
	MARCH,	FEBRUARY	THREE MONTHS ENDED
	1942	1942	MARCH, 1942
		(Net tons of 2,000) pounds)
Iron ore	302,258	263,080	862,270
Limestone	69,104	66,288	205,940
Coke	144,722	130,536	419,260
Scrap iron and steel	11,371	7,793	28,813

Table 4 - IRUN BLAST FURNACES IN CANA	DA		
	Location	Number	Total Annual
Name of Company	of	of	Capacity
	furnaces	stacks	(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

Γa	bl	e :	5 -	.]	DE:	SC.	RI	PT	IO.	N	0I	FIRON	В	LAS'	l' I	FUE	dIAC	ES	AT	END	OF	MAL	iCH.	194	42	

	Number of	Total Annua	al Capacity
Condition of furnaces	furnaces	Net tons	Per cent
In blast	11	2,000,720	94
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		RCH, 194		FER	RUARY, 1	.942
	For own	For		For own	For	
	use	sale	TOTAL		sale	TOTAL
		(Ne	t tons o	f 2,000 pound	s)	
STEEL INGOTS -						
Open hearth - Basic	209,953	16,036	225,989	196,847	11,522	208,369
Electric	21,621	4,084	25,705	18,427		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
STEHL CASTINGS -						
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	242,923
Table 7 - CUMULATIVE PRODUCT	TON FOR TH	THREE	MONTHS E	NDED MARCH. 1	942 and	1941
CONT. O CONTROL AND A TROUBLE	1		2		9 4	
	For own	the contract of the same of th		For own	-	
	7 0 4 1117					
	use		TOTAL	use	sale	TOTAL
	use	sale	TOTAL tons of	and the first the contract of	sale	TOTAL
STEET, INCOTS -	use	sale	Approximate the second	use f 2,000 pound	the state of the s	TOTAL
The state of the s		sale (Ne	t tons o	f 2,000 pound	s)	
Open hearth - Basic	614,048	sale (Ne 42,643	t tons of 656,691	f 2,000 pound 545,708	20,052	565,760
Open hearth - Basic Electric	614,048 59,810	sale (Ne 42,643 11,166	656,691 70,976	f 2,000 pound 545,708 33,419	20,052 595	565,760 34,014
Open hearth - Basic Electric Total Steel Ingots	614,048	sale (Ne 42,643	656,691 70,976	f 2,000 pound 545,708 33,419	20,052 595	565,760 34,014
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots	614,048 59,810 673,858	sale (Ne 42,643 11,166 53,809	656,691 70,976 727,667	545,708 33,419 579,127	20,052 595 20,647	565,760 34,014 599.774
Open hearth - Basic Electric Total Steel Ingots	614,048 59,810 673,858	sale (Ne 42,643 11,166	656,691 70,976	545,708 33,419 579,127	20,052 595	565,760 34,014 599.774
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above	614,048 59,810 673,858	sale (Ne 42,643 11,166 53,809	656,691 70,976 727,667	545,708 33,419 579,127	20,052 595 20,647	565,760 34,014 599.774
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above	614,048 59,810 673,858 69,514	sale (Ne 42,643 11,166 53,809	656,691 70,976 727,667 70,062	545,708 33,419 579,127 not	20,052 595 20,647 avaîlak	565,760 34,014 599.774
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic	614,048 59,810 673,858 69,514	sale (Ne 42,643 11,166 53,809 548	656,691 70,976 727,667 70,062 6,269	545,708 33,419 579,127 not	20,052 595 20,647 availah	565,760 34,014 599,774 ole
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter	614,048 59,810 673,858 69,514	sale (Ne 42,643 11,166 53,809 548 5,341 1,080	656,691 70,976 727,667 70,062 6,269 1,080	545,708 33,419 579,127 not	20,052 595 20,647 availab 4,731 595	565,760 34,014 599,774 ole 5,417
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter	614,048 59,810 673,858 69,514 928	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098	656,691 70,976 727,667 70,062 6,269 1,080 32,824	545,708 33,419 579,127 not 686 5,479	20,052 595 20,647 availab 4,731 595 9,753	565,760 34,014 599.774 ble 5,417 598 15,232
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings	614,048 59,810 673,858 69,514	sale (Ne 42,643 11,166 53,809 548 5,341 1,080	656,691 70,976 727,667 70,062 6,269 1,080	545,708 33,419 579,127 not	20,052 595 20,647 availab 4,731 595	565,760 34,014 599.774 ble 5,417 598 15,232
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings	614,048 59,810 673,858 69,514 928 11,726 12,654	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173	545,708 33,419 579,127 not 686 5,479 6,165	20,052 595 20,647 availab 4,731 595 9,753 15,079	565,760 34,014 599,774 ole 5,417 595 15,238 21,244
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings included in above	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173	545,708 33,419 579,127 not 686 5,479 6,165 not	20,052 595 20,647 availab 4,731 595 9,753 15,079 availab	565,760 34,014 599,774 ole 5,417 595 15,232 21,244
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above ETEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings included in above	614,048 59,810 673,858 69,514 928 11,726 12,654	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173	545,708 33,419 579,127 not 686 5,479 6,165	20,052 595 20,647 availab 4,731 595 9,753 15,079	565,760 34,014 599,774 ole 5,417 595 15,232 21,244
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Flectric Total Steel Castings Alloy steel castings included in above FOTAL INGOTS AND CASTINGS	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840	545,708 33,419 579,127 not 686 5,479 6,165 not	20,052 595 20,647 availab 4,731 595 9,753 15,079 availab	565,760 34,014 599,774 ole 5,417 598 15,238 21,244
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings included in above TOTAL INGOTS AND CASTINGS	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292	20,052 595 20,647 availah 4,731 595 9,753 15,079 availah 35,726	565,760 34,014 599,774 ole 5,417 595 15,233 21,244
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Flectric Total Steel Castings Alloy steel castings included in above FOTAL INGOTS AND CASTINGS	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292	20,052 595 20,647 availab 4,731 595 9,753 15,079 availab 35,726	565,760 34,014 599,774 ole 5,417 595 15,233 21,244 ole 621,018
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings included in above TOTAL INGOTS AND CASTINGS	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292	20,052 595 20,647 availab 4,731 595 9,753 15,079 availab 35,726	565,760 34,014 599.774 ole 5,417 593 15,232 21,244 ole 621,018
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above ETEEL CASTINGS - Open hearth - Basic Converter Flectric Total Steel Castings Alloy steel castings included in above FOTAL INGOTS AND CASTINGS	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840 FURNACES	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292	20,052 595 20,647 availab 4,731 595 9,753 15,079 availab 35,726	565,760 34,014 599.774 ole 5,417 593 15,233 21,244 ole 621,018
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Flectric Total Steel Castings Alloy steel castings included in above TOTAL INGOTS AND CASTINGS	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328 CO STEEL MARCH, 1942	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840 FURNACES	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292 FEBRUARY, 1942 tons of 2,00	20,052 595 20,647 availak 4,731 595 9,753 15,079 availak 35,726	565,760 34,014 599,774 ole 5,417 595 15,232 21,244 ole 621,018
Open hearth - Basic Electric Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings included in above MOTAL INGOTS AND CASTINGS Fable 8 - PIG IRON AND SCRAF	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512 CHARGED 1	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328 CO STEEL MARCH, 1942	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840 FURNACES	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292 FEBRUARY, 1942 tons of 2,00 121,945	20,052 595 20,647 availah 4,731 595 9,753 15,079 availah 35,726	565,760 34,014 599.774 ole 5,417 595 15,232 21,244 ole 621,018 EMONTHS ed MARCH, 1942
Total Steel Ingots Alloy steel ingots included in above STEEL CASTINGS - Open hearth - Basic Converter Electric Total Steel Castings Alloy steel castings	614,048 59,810 673,858 69,514 928 11,726 12,654 4,526 686,512 CHARGED 1	sale (Ne 42,643 11,166 53,809 548 5,341 1,080 21,098 27,519 4,494 81,328 CO STEEL MARCH, 1942	656,691 70,976 727,667 70,062 6,269 1,080 32,824 40,173 9,020 767,840 FURNACES	545,708 33,419 579,127 not 686 5,479 6,165 not 585,292 FEBRUARY, 1942 tons of 2,00	20,052 595 20,647 availah 4,731 595 9,753 15,079 availah 35,726	565,760 34,014 599,774 ole 5,417 595 15,232 21,244 ole 621,018



Table 9 - ST	TEEL FURNA	CE CAP	ACITY	AT END	OF	MARCH.	1942
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	Annual Capacity
	(Net tons)
Ingots - Basic open hearth	2,667,000 326,000
TOTAL INGOTS	2,993,000
Steel castings	212,000
TOTAL INGOTS AND CASTINGS	3,205,000