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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JULY, 1943

PIG IRON - Production of pig iron in Canada amounted to 151,369 net tons in July compared with 172,153 tons in the corresponding month of last year. The total for the current month included 127,733 tons of basic iron, 8,663 tons of foundry iron and 14,973 tons of malleable iron.

FERRO-ALLOYS - Output of ferro-alloys in July amounted to 21,408 net tons compared with 18,151 tons in the previous month and with 15,961 tons in July of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferromanganese, ferrochrome, chrom-x, spiegeleisen and ferrophosphorus.

STEEL INGOTS AND CASTINGS - Production of steel ingots and steel castings during July totalled 250,508 net tons compared with 256,560 tons in July of last year. Output in the month under review included 239,658 tons of ingots and 10,850 tons of castings.

(a) PIG IRON AND FERRO- ALLOYS

Table 1 - PRODUCTION DURING JULY AND JUNE, 1943

	July, 1943			June, 1943		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
PIG IRON -						
Basic	120,018	7,715	127,733	108,184	5,906	114,090
Foundry	-	8,663	8,663	...	19,051	19,051
Malleable	-	14,973	14,973	...	14,748	14,748
TOTAL PIG IRON ...	120,018	31,351	151,369	108,184	39,705	147,889
FERRO-ALLOYS	-	21,408	21,408	...	18,151	18,151

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Table 2 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDED JULY, 1943 and 1942

	1943			1942		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
PIG IRON -						
Basic	797,890	34,538	832,428	913,222	33,969	947,191
Foundry	-	85,257	85,257	-	95,182	95,182
Malleable	-	101,473	101,473	-	103,780	103,780
TOTAL PIG IRON	797,890	221,268	1,019,158	913,222	232,931	1,146,153
Ferro-alloys	-	133,201	133,201	-	124,561	124,561

Table 3 - IRON BLAST FURNACE CHARGES DURING JULY AND JUNE, 1943 and SEVEN MONTHS ENDED JULY, 1943

	July, 1943	June, 1943	Seven months ended July, 1943
	(Net tons of 2,000 pounds)		
Iron ore	293,094	274,314	1,879,947
Limestone	71,639	63,927	446,839
Coke	144,425	132,716	928,833
Scrap iron and steel	8,538	11,049	65,945

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	715,400
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.	4	654,000
	TOTAL	13	2,348,160

Table 5 - DESCRIPTION OF IRON BLAST FURNACES AT END OF JULY, 1943

Condition of furnaces	Number of furnaces	Total Annual Capacity Net tons	Per cent
In blast	12	2,205,080	93.9
Banked	-	-	-
Blown out	1	143,080	6.1
TOTAL	13	2,348,160	100.0

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(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING JULY AND JUNE, 1943

	1943			1942		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
STEEL INGOTS -						
Open hearth - Basic	209,346	1,090	210,436	197,904	1,052	198,956
Electric	28,976	246	29,222	28,564	956	29,520
Total Steel Ingots ..	238,322	1,336	239,658	226,468	2,008	228,476
Alloy steel ingots ... included in above	32,632	8	32,640	37,061	...	37,661
STEEL CASTINGS -						
Open hearth - Basic	186	2,062	2,248	151	2,159	2,310
Converter	-	373	373	1	426	427
Electric	2,520	5,709	8,229	2,982	5,306	8,288
Total Steel Castings.	2,706	8,144	10,850	3,134	7,891	11,025
Alloy steel castings included in above ...	326	1,614	1,940	421	1,185	1,606
TOTAL INGOTS AND CASTINGS	241,028	9,480	250,508	229,602	9,899	239,501

Table 7 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDED JULY, 1943 and 1942

	1943			1942		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
STEEL INGOTS -						
Open hearth - Basic ...	1,439,596	6,880	1,446,476	1,477,691	59,114	1,536,805
Electric	191,471	18,318	209,789	151,492	25,635	177,127
Total Steel Ingots ..	1,631,067	25,198	1,656,265	1,629,183	84,749	1,713,932
Alloy steel ingots included above	233,963	96	234,059	183,803	939	184,742
STEEL CASTINGS -						
Open hearth - Basic	944	15,919	16,863	1,630	13,682	15,312
Converter	1	2,743	2,744	43	2,786	2,829
Electric	29,021	44,768	73,789	32,835	50,890	83,725
Total Steel Castings	29,966	63,430	93,396	34,508	67,358	101,866
Alloy steel castings included in above.....	6,341	14,080	20,421	10,003	11,707	21,710
TOTAL INGOTS AND CASTINGS	1,661,033	88,628	1,749,661	1,663,691	152,107	1,815,798

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	July, 1943	June, 1943	Seven months ended July, 1943
	(Net tons of 2,000 pounds)		
Pig iron	128,096	118,474	880,127
Scrap - own make	81,322	83,292	555,624
purchased	66,933	62,798	496,315

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Table 9 - STEEL FURNACE CAPACITY AT END OF JULY, 1943

	Annual Capacity
	(Net tons)
Ingots - Basic open hearth	2,765,000
Electric	407,000
TOTAL INGOTS	3,172,000
Steel castings	281,600
TOTAL INGOTS AND CASTINGS	3,453,600