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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JULY, 1944

PIG IRON - Production of pig iron in Canada amounted to 166,004 net tons in July compared with 151,369 tons in the corresponding month of last year. The total for the current month included 145,484 tons of basic iron, 9,774 tons of foundry iron and 10,746 tons of malleable iron.

FERRO-ALLOYS - Output of ferro-alloys in July amounted to 14,508 net tons compared with 17,906 tons in the previous month and with 21,408 tons in July 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 July totalled 234,418 net tons compared with 250,508 tons in July of last year. Output in the month under review included 224,774 tons of ingots and 9,644 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JULY AND JUNE, 1944

	July, 1944			June, 1944		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>PIG IRON</u> -						
Basic	136,868	8,616	145,484	123,158	18,481	141,639
Foundry	-	9,774	9,774	-	11,795	11,795
Malleable	-	10,746	10,746	-	8,465	8,465
Total Pig Iron ..	136,868	29,136	166,004	123,158	38,741	161,899
<u>FERRO-ALLOYS</u>	-	14,508	14,508	-	17,906	17,906

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Table 2 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDED JULY, 1944 and 1943

	1 9 4 4			1 9 4 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
PIG IRON -						
Basic	850,160	85,656	935,816	797,390	54,538	852,428
Foundry	-	78,036	78,036	-	85,257	85,257
Malleable	-	101,675	101,675	-	101,473	101,473
Total Pig Iron ..	850,160	265,367	1,115,527	797,890	221,268	1,019,158
FERRO-ALLOYS	-	105,750	105,750	-	133,201	133,201

Table 3 - IRON BLAST FURNACE CHARGES DURING JULY AND JUNE, 1944 and SEVEN MONTHS ENDED JULY, 1944

	July, 1944	June, 1944	Seven Months Ended July, 1944
	(Net tons of 2,000 pounds)		
Iron ore	318,924	309,002	2,099,312
Limestone	65,394	63,062	460,995
Coke	149,796	144,834	1,002,005
Scrap iron and steel	8,328	8,474	60,969

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 JULY, 1944

Condition of Furnaces	Number of furnaces	Total Annual Capacity Net tons	Per cent
In blast	9	2,201,700	79.4
Banked	-	-	-
Blown out	5	569,060	20.6
TOTAL	14	2,770,760	100.0

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(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 -- PRODUCTION DURING JULY AND JUNE, 1944

	July, 1944			June, 1944		
	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	198,577	314	198,891	197,633	950	198,583
Electric	25,883	-	25,883	30,191	-	30,191
Total Steel Ingots ...	224,460	314	224,774	227,824	950	228,774
Alloy steel ingots included in above	32,922	-	32,922	29,957	-	29,957
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	161	2,138	2,299	184	2,940	3,124
Converter	3	84	87	4	152	156
Electric	2,093	5,165	7,258	2,158	6,538	8,696
Total Steel Castings ..	2,257	7,387	9,644	2,346	9,630	11,976
Alloy steel castings included in above	399	1,506	1,905	469	1,746	2,215
TOTAL INGOTS AND CASTINGS	226,717	7,701	234,418	230,170	10,580	240,750

Table 7 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDED JULY, 1944 and 1943

	1 9 4 4			1 9 4 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,00 pounds)						
<u>STEEL INGOTS -</u>						
Open hearth--Basic	1,450,823	8,453	1,459,276	1,439,596	6,880	1,446,476
Electric	202,873	81	202,954	197,064	19,130	216,244
Total Steel Ingots ...	1,653,696	8,534	1,662,230	1,636,660	26,060	1,662,720
Alloy steel ingots included in above	179,175	-	179,175	237,213	354	237,572
<u>STEEL CASTINGS -</u>						
Open hearth--Basic	1,110	20,302	21,412	944	15,919	16,863
Converter	7	1,056	1,063	1	2,743	2,744
Electric	16,433	45,858	62,296	23,428	43,906	67,334
Total Steel Castings ..	17,555	67,216	84,771	24,373	62,568	86,941
Alloy steel castings included in above	2,584	11,519	14,103	3,086	13,822	16,908
TOTAL INGOTS AND CASTINGS	1,671,251	75,750	1,747,001	1,661,033	88,623	1,749,661



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Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	July, 1944	June, 1944	Seven months ended July, 1944
	(Net tons of 2,000 pounds)		
Pig iron	125,106	125,815	872,390
Scrap--Own make	75,083	73,484	569,293
Purchased	60,091	61,613	502,342

Table 9 - STEEL FURNACE CAPACITY AT END OF JULY, 1944

	Annual Capacity (Net tons)
Ingots--Basic open hearth	2,765,000
Electric	573,200
Total Ingots	3,338,200
Steel castings	252,800
TOTAL INGOTS AND CASTINGS	3,591,000