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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JULY, 1945

Pig Iron - Production of pig iron in Canada amounted to 150,387 net tons in July compared with 166,004 tons in the corresponding month of last year. The total for the current month included 121,955 tons of basic iron, 7,668 tons of foundry iron and 20,764 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 15,750 net tons compared with 18,473 tons in the previous month and with 14,508 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 229,161 net tons compared with 234,418 tons in July of last year. Output in the month under review included 220,379 tons of ingots and 8,782 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JULY AND JUNE, 1945

	July, 1945			June, 1945		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	111,122	10,833	121,955	121,012	7,591	128,603
Foundry .....	...	7,668	7,668	...	16,903	16,903
Malleable .....	...	20,764	20,764	...	13,540	13,540
Total Pig Iron	111,122	39,265	150,387	121,012	38,034	159,046
<u>Ferro-alloys</u> .....	...	15,750	15,750	...	18,473	18,473

Table 2 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDED JULY, 1945 and 1944

	1 9 4 5			1 9 4 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>Pig iron</u> -						
Basic	833,520	56,802	890,322	850,160	85,656	935,816
Foundry .....	...	100,222	100,222	...	78,036	78,036
Malleable .....	...	101,806	101,806	...	101,675	101,675
Total Pig Iron ..	833,520	258,830	1,092,350	850,160	265,367	1,115,527
<u>Ferro-alloys</u>	114,422	114,422	...	105,750	105,750

Iron and Steel

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Table 3 - IRON BLAST FURNACE CHARGES DURING JULY AND JUNE, 1945 and SEVEN MONTHS ENDED JULY, 1945

	July, 1945	June, 1945	Seven Months Ended July, 1945
	(Net tons of 2,000 pounds)		
Iron ore	274,135	238,975	1,965,295
Mill cinder, scale, sinter, etc.	18,092	16,073	134,958
Limestone	64,534	64,919	443,332
Dolomite	3,051	4,971	35,377
Coke	137,444	142,947	997,510
Scrap iron and steel	5,832	9,312	50,796

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, 1945

Condition of Furnaces	Number of Furnaces	Total Annual Capacity Net tons	Per cent
In blast	8	1,976,900	71.3
Banked	1	224,800	8.1
Blown out	5	569,060	20.6
TOTAL	14	2,770,760	100.0

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING JULY AND JUNE, 1945

	July, 1945			June, 1945		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
Steel Ingots -						
Open hearth--Basic	194,329	408	194,737	213,654	1,807	215,461
Electric	25,601	41	25,642	28,067	1,264	29,331
Total Steel Ingots	219,930	449	220,379	241,721	3,071	244,792
Alloy steel ingots included in above	23,493	...	23,493	19,591	...	19,591
Steel Castings -						
Open hearth--Basic	123	1,832	1,955	140	2,409	2,549
Converter	4	21	25	7	5	12
Electric	1,527	5,275	6,802	3,341	6,421	9,762
Total Steel Castings	1,654	7,128	8,782	3,488	8,835	12,323
Alloy steel castings includ- ed in above	356	914	1,270	267	1,342	1,609
TOTAL INGOTS AND CASTINGS ..	221,584	7,577	229,161	245,209	11,906	257,115

Table 7 - CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDED JULY, 1945 and 1944

	1 9 4 5			1 9 4 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
Steel Ingots -						
Open hearth--Basic	1,489,843	7,285	1,497,128	1,450,823	8,453	1,459,276
Electric	216,109	17,507	233,616	202,873	81	202,954
Total Steel Ingots ...	1,705,952	24,792	1,730,744	1,653,696	8,534	1,662,230
Alloy steel ingots included in above	225,638	...	225,638	179,256	...	179,256
Steel Castings -						
Open hearth--Basic	958	17,100	18,058	1,110	20,302	21,412
Converter	28	201	229	7	1,056	1,063
Electric	32,612	43,136	75,748	16,438	45,858	62,296
Total Steel Castings ..	33,598	60,437	94,035	17,555	67,216	84,771
Alloy steel castings included in above	2,784	10,820	13,604	2,584	11,519	14,103
TOTAL INGOTS AND CASTINGS	1,739,550	85,229	1,824,779	1,671,251	75,750	1,747,001

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	July, 1945	June, 1945	Seven Months Ended July, 1945
(Net tons)			
Pig iron	114,345	125,127	885,455
Scrap--Own make	82,002	96,219	594,391
Purchased	56,665	61,844	531,064

Table 9 - STEEL FURNACE CAPACITY AT END OF JULY, 1945

	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



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Table 10 - MONTHLY PRODUCTION OF PIG IRON, FERRO-ALLOYS AND STEEL, 1944 and 1945

Table 10 - MONTHLY PRODUCTION OF PIG IRON, FERRO-ALLOYS AND STEEL, 1944 AND 1945

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingots	Castings	
			(Net tons of 2,000 pounds)		
<u>1 9 4 4</u>					
January	132,128	16,495	229,324	12,862	242,186
February	141,878	14,720	216,567	13,285	229,852
March	168,047	13,427	261,171	14,368	275,539
April	170,364	12,818	250,157	10,668	260,825
May	175,207	15,876	251,463	11,968	263,431
June	161,899	17,906	228,774	11,976	240,750
July	166,004	14,508	224,774	9,644	234,418
Total - Seven Months	1,115,527	105,750	1,662,230	84,771	1,747,001
August	151,452	18,808	235,556	11,192	246,755
September	145,406	14,568	231,292	11,433	242,725
October	154,119	15,631	263,263	12,261	275,524
November	146,972	15,280	256,504	12,419	268,923
December	139,152	12,391	229,562	13,920	243,482
TOTAL 1944	1,852,628	182,428	2,878,407	146,003	3,024,410

<u>1 9 4 5</u>					
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	220,372	8,782	229,161
Total - Seven Months	1,092,350	114,422	1,730,744	94,035	1,824,779