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Monthly Report

SEP 17 1948

PRODUCTION OF IRON AND STEEL IN CANADAJULY - 1948

Pig Iron - Production of pig iron in Canada amounted to 187,940 net tons in July compared with 157,153 tons in the corresponding month of last year. The total for the current month included 150,282 tons of basic iron, 22,525 tons of foundry iron and 15,133 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in July amounted to 12,939 net tons compared with 13,502 tons in the previous month and with 12,402 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 244,872 net tons compared with 232,341 tons in July of last year. Output in the month under review included 238,104 tons of ingots and 6,768 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During June and July, 1948

	June, 1948			July, 1948		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic .....	139,337	9,304	148,641	140,527	9,755	150,282
Foundry .....	840	17,969	18,809	1,398	21,127	22,525
Malleable .....	...	16,313	16,313	...	15,133	15,133
Total Pig Iron .	140,177	43,586	183,763	141,925	46,015	187,940
<u>Ferro-alloys</u> .....	...	13,502	13,502	...	12,939	12,939

*[The page contains extremely faint, illegible text, likely bleed-through from the reverse side. The text is organized into several paragraphs and appears to be a formal document or report. A dark, irregular mark is visible in the upper right corner.]*

# Iron and Steel

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Table 2 - Cumulative Production for the Seven Months Ended July, 1947 and 1948

	1 9 4 7			1 9 4 8		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
Pig Iron -						
Basic .....	854,366	47,982	902,348	947,778	43,678	991,456
Foundry .....	2,949	148,604	151,553	10,308	123,219	133,527
Malleable .....	...	76,405	76,405	...	94,650	94,650
Total Pig Iron .	857,315	272,991	1,130,306	958,086	261,547	1,219,633
Ferro-alloys .....	...	90,152	90,152	...	102,592	102,592

Table 3 - Iron Blast Furnace Charges During June and July, 1948 and Seven Months Ended July, 1948

	June 1948	July 1948	Seven Months Ended July, 1948
(Net tons of 2,000 pounds)			
Iron ore .....	320,484	325,413	2,248,699
Mill cinder, scale, sinter, etc.	44,526	46,398	194,694
Limestone .....	80,391	82,286	517,458
Dolomite .....	7,770	9,185	65,605
Coke .....	177,463	181,853	1,200,661
Scrap iron and steel .....	8,854	8,772	48,390

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	1,035,000
Total .....		14	2,743,760

Table 5 - Description of Iron Blast Furnaces at End of July, 1948

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast .....	12	2,554,950	93.1
Banked .....	...	...	...
Blown out .....	2	188,810	6.9
Total .....	14	2,743,760	100.0

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(b) Steel Ingots and Steel Castings

Table 6 - Production During June and July, 1948

	J u n e			J u l y		
	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 .....	197,224	11,155	208,379	203,005	3,351	206,356
Electric .....	41,321	10	41,331	31,748	...	31,748
Total Steel Ingots ...	238,545	11,165	249,710	234,753	3,351	238,104
Alloy steel ingots included in above .....	11,122	...	11,122	10,095	...	10,095
<u>Steel Castings</u>						
Open hearth - Basic .....	146	2,583	2,729	153	1,272	1,425
Converter .....	2	34	36	3	40	43
Electric .....	1,048	5,842	6,890	732	4,568	5,300
Total Steel Castings .	1,196	8,459	9,655	888	5,880	6,768
Alloy steel castings included in above .....	451	1,132	1,583	338	698	1,036
TOTAL INGOTS AND CASTINGS	239,741	19,624	259,365	235,641	9,231	244,872

Table 7 - Cumulative Production for the Seven Months Ended July, 1947 and 1948

	1 9 4 7			1 9 4 8		
	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 .....	1,386,219	37,087	1,423,306	1,485,305	23,865	1,509,170
Electric .....	244,568	...	244,568	264,736	1,211	265,947
Total Steel Ingots ...	1,630,787	37,087	1,667,874	1,750,041	25,076	1,775,117
Alloy steel ingots included in above .....	71,937	...	71,937	89,334	...	89,334
<u>Steel Castings</u>						
Open hearth - Basic .....	933	10,881	11,814	1,212	18,050	19,262
Converter .....	27	169	196	21	282	303
Electric .....	9,832	25,906	35,738	7,159	38,627	45,786
Total Steel Castings .	10,792	36,956	47,748	8,392	56,959	65,351
Alloy steel castings included in above .....	3,393	3,567	6,960	3,114	6,797	9,911
TOTAL INGOTS AND CASTINGS	1,641,579	74,043	1,715,622	1,758,433	82,035	1,840,468



Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During June and July, 1948, and Seven Months Ended July, 1948

	J u n e 1 9 4 8	J u l y 1 9 4 8	Seven Months Ended July, 1948
	(Net tons of 2,000 pounds)		
Pig iron .....	135,079	142,661	971,628
Scrap - Own make .....	77,729	70,379	541,567
Purchased .....	77,275	59,315	512,434

Table 9 - Steel Furnace Capacity at End of July, 1948

	Annual Capacity (Net tons of 2,000 pounds)
Ingots - Basic open hearth .....	2,985,000
Electric .....	505,000
Total Ingots .....	3,490,000
Steel castings .....	302,000
Total Ingots and Castings .....	3,792,000

Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1947 and 1948

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingots	Castings	
(Net tons of 2,000 pounds)					
<u>1 9 4 7</u>					
January .....	177,313	9,644	243,557	6,241	249,798
February .....	150,632	9,357	223,124	6,098	229,222
March .....	164,403	14,197	263,193	6,539	269,732
April .....	160,749	13,015	244,998	7,158	252,156
May .....	160,230	15,325	235,978	8,098	244,076
June .....	159,826	16,212	230,581	7,716	233,297
July .....	157,153	12,402	226,443	5,898	232,341
August .....	166,878	11,398	226,180	7,574	233,754
September .....	169,630	11,152	225,457	8,731	234,188
October .....	163,335	14,691	247,171	9,290	256,461
November .....	174,147	11,551	246,785	8,587	255,372
December .....	165,551	10,888	241,065	8,704	249,769
Total .....	1,969,847	149,832	2,854,532	90,634	2,945,166
<u>1 9 4 8</u>					
January .....	160,042	17,125	247,768	8,958	256,726
February .....	151,123	11,823	230,183	9,463	239,646
March .....	172,675	14,293	275,349	10,677	286,026
April .....	170,785	14,474	254,315	9,951	264,266
May .....	193,305	18,436	279,688	9,879	289,567
June .....	183,763	13,502	249,710	9,655	259,365
July .....	187,940	12,939	238,104	6,768	244,872
Total Seven Months	1,219,633	102,592	1,775,117	65,351	1,840,468

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