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Monthly Report

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PRODUCTION OF IRON AND STEEL IN CANADA

MARCH - 1949

Pig Iron - Production of pig iron in Canada amounted to 202,130 net tons in March compared with 172,675 tons in the corresponding month of last year. The total for the current month included 165,190 tons of basic iron, 19,201 tons of foundry iron and 17,739 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in March amounted to 22,457 net tons compared with 21,713 tons in the previous month and with 14,293 tons in March 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 March totalled 298,461 net tons compared with 286,026 tons in March of last year. Output in the month under review included 287,885 tons of ingots and 10,576 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During February, 1949 and March, 1949

	February, 1949			March, 1949		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron-</u>						
Basic .....	137,547	3,675	141,222	152,475	12,715	165,190
Foundry .....	210	20,176	20,386	296	18,905	19,201
Malleable .....	...	11,116	11,116	...	17,739	17,739
Total Pig Iron .	137,757	34,967	172,724	152,771	49,359	202,130
<u>Ferro-alloys</u> .....	...	21,713	21,713	...	22,457	22,457

Table 2 - Cumulative Production for the Three Months Ended March, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Pig Iron-</u>						
Basic .....	382,123	17,250	399,373	433,553	27,094	460,647
Foundry .....	5,341	46,869	52,210	506	53,800	54,306
Malleable .....	...	32,257	32,257	...	42,975	42,975
Total Pig Iron .	387,464	96,376	483,840	434,059	123,869	557,928
<u>Ferro-alloys</u> .....	...	43,241	43,241	...	66,101	66,101



Table 3 - Iron Blast Furnace Charges During February and March, 1949, and Three Months Ended March, 1949

	February 1949	March 1949	Three Months Ended March, 1949
	(Net tons of 2,000 pounds)		
Iron ore .....	311,332	367,601	1,004,336
Mill cinder, scale, sinter, etc.	36,232	34,175	109,787
Limestone .....	70,003	79,577	224,867
Dolomite .....	8,387	8,512	26,667
Coke .....	166,890	188,130	536,739
Scrap iron and steel .....	8,297	9,717	26,935

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 March, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast .....	12	2,554,950	92.0
Banked .....	...	...	...
Blown out .....	2	188,810	8.0
Total .....	14	2,743,760	100.0

## (b) Steel Ingots and Steel Castings

Table 6 - Production During February and March, 1949

	February			March		
	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 .....	212,756	5,743	218,499	220,711	29,272	249,983
Electric .....	30,500	10	30,510	37,892	10	37,902
Total Steel Ingots ....	243,256	5,753	249,009	258,603	29,282	287,885
Alloy steel ingots included in above .....	14,538	...	14,538	11,570	...	11,570
<u>Steel Castings</u>						
Open hearth - Basic .....	200	2,994	3,194	219	2,444	2,663
Converter .....	1,253	5,808	7,061	3	...	3
Electric .....	1	6	7	1,329	6,581	7,910
Total Steel Castings ..	1,454	8,808	10,262	1,551	9,025	10,576
Alloy steel castings included in above .....	550	1,257	1,807	580	863	1,443
TOTAL INGOTS AND CASTINGS	244,710	14,561	259,271	260,154	38,307	298,461



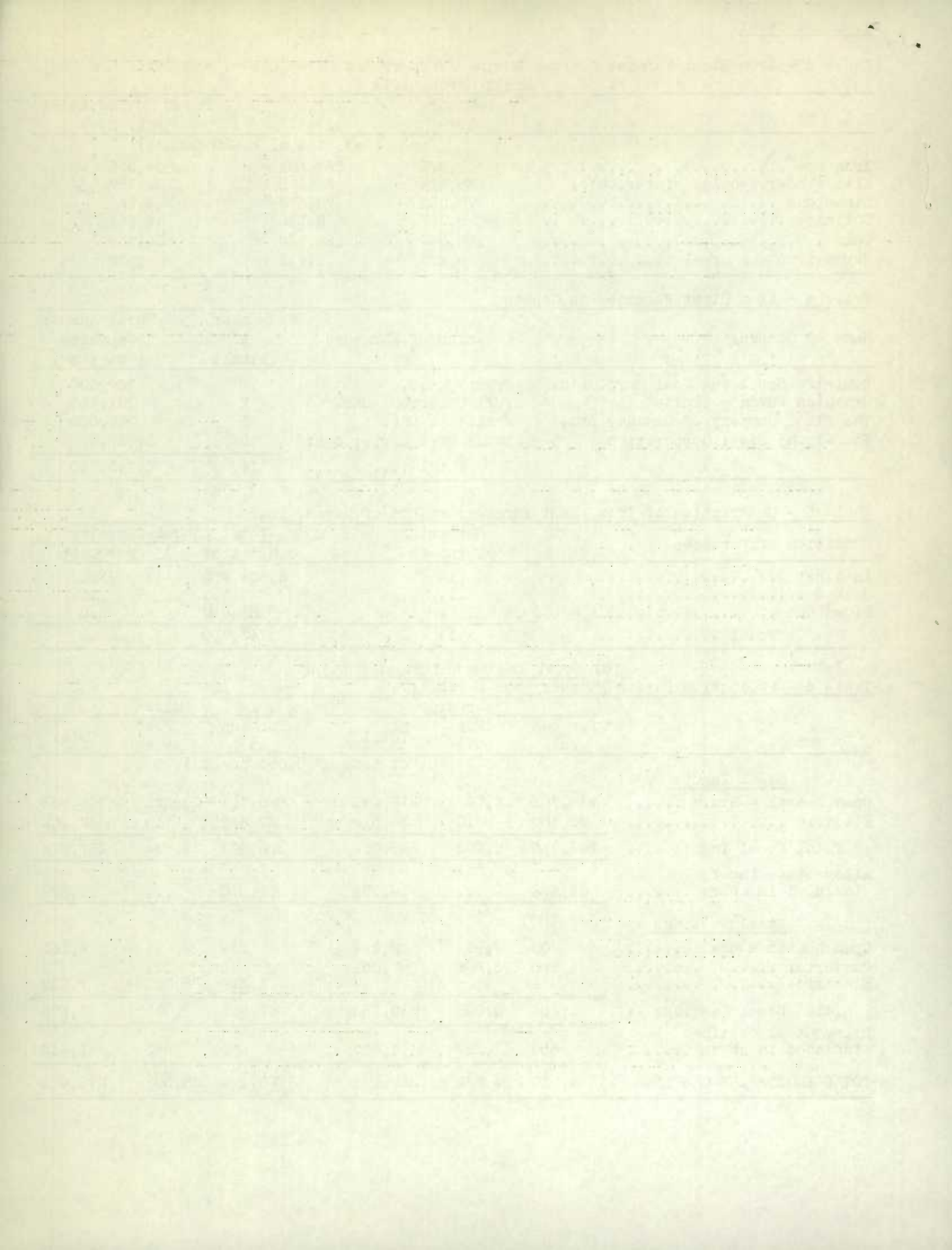


Table 7 - Cumulative Production For the Three Months Ended March, 1948 and 1949

	1 9 4 8			1 9 4 9		
	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 .....	637,319	6,480	643,799	660,361	49,073	709,434
Electric .....	108,708	793	109,501	103,417	30	103,447
Total Steel Ingots .....	746,027	7,273	753,300	763,778	49,103	812,881
Alloy steel ingots included in above .....	41,308	...	41,308	39,573	...	39,573
<u>Steel Castings</u>						
Open hearth - Basic .....	504	8,838	9,342	662	7,706	8,368
Converter .....	10	139	149	4	18	22
Electric .....	3,237	16,370	19,607	3,792	17,376	21,168
Total Steel Castings ...	3,751	25,347	29,098	4,458	25,100	29,558
Alloy steel castings included in above .....	1,409	2,678	4,087	1,661	2,821	4,482
TOTAL INGOTS AND CASTINGS .	749,778	32,620	782,398	768,236	74,203	842,439

Table 8 - Pig Iron and Scrap Charged to Steel Furnaces During February and March, 1949  
and Three Months Ended March, 1949

	February 1949	March 1949	Three Months Ended March, 1949
(Net tons of 2,000 pounds)			
Pig Iron .....	133,982	160,587	450,672
Scrap - Own make .....	75,745	82,002	238,431
Purchased .....	77,043	90,102	248,523

Table 9 - Steel Furnace Capacity at End of March, 1949

	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

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Table 10 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

Month	Pig Iron	Ferro- alloys	S t e e l		Total Steel
			Ingot	Castings	
(Net tons of 2,000 pounds)					
<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
August .....	191,383	12,700	254,362	8,692	263,054
September .....	182,465	12,318	248,622	9,243	257,865
October .....	186,424	19,489	272,127	9,739	281,866
November .....	166,771	17,594	267,671	10,307	277,978
December .....	174,233	23,708	271,128	9,297	280,425
Total .....	2,120,909	250,659	3,089,027	112,629	3,201,656
<u>1 9 4 9</u>					
January .....	183,074	21,931	275,987	8,720	284,707
February .....	172,724	21,713	249,009	10,262	259,271
March .....	202,130	22,457	287,885	10,576	298,461
Total Three Months ...	557,928	66,101	812,881	29,558	842,439



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