

Department of Trade and Commerce
Dominion Bureau of Statistics
Mining, Metallurgical and Chemical Section
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Dominion Statistician: Herbert Marshall
Director - Industry and Merchandising Division: W. H. Losee
Chief - Mining, Metallurgical and Chemical Section: H. McLeod

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Monthly Report

PRODUCTION OF IRON AND STEEL IN CANADA

February - 1949

Pig Iron - Production of pig iron in Canada amounted to 172,724 net tons in February compared with 151,123 tons in the corresponding month of last year. The total for the current month included 141,222 tons of basic iron, 20,386 tons of foundry iron and 11,116 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in February amounted to 21,713 net tons compared with 21,931 tons in the previous month and with 11,823 tons in February of a year ago. The following alloys were produced: ferrosilicon, silicomanganese, ferro-manganese, ferrochrome, chrom-x and ferrophosphorus.

Steel Ingots and Castings - Production of steel ingots and steel castings during February totalled 259,271 net tons compared with 239,646 tons in February of last year. Output in the month under review included 249,009 tons of ingots and 10,262 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During January, 1949 and February, 1949.

	January, 1949			February, 1949		
	For own use	For sale	Total	For own use	For sale	Total
<u>Pig Iron</u> -	(Net tons of 2,000 pounds)					
Basic	143,531	10,704	154,235	137,547	3,675	141,222
Foundry .....	...	14,719	14,719	210	20,176	20,386
Malleable .....	...	14,120	14,120	...	11,116	11,116
Total Pig Iron	143,531	39,543	183,074	137,757	34,967	172,724
<u>Ferro-alloys</u> .....	...	21,931	21,931	...	21,713	21,713

Table 2 - Cumulative Production For the Two Months Ended February, 1948 and 1949

	1 9 4 8			1 9 4 9		
	For own use	For sale	Total	For own use	For sale	Total
<u>Pig Iron</u> -	(Net tons of 2,000 pounds)					
Basic	243,699	13,735	257,434	281,078	14,379	295,457
Foundry	2,730	31,904	34,634	210	34,895	35,105
Malleable .....	...	19,097	19,097	...	25,236	25,236
Total Pig Iron ...	246,429	64,736	311,165	281,288	74,510	355,798
<u>Ferro-alloys</u>	28,948	28,948	...	43,644	43,644

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Table 3 - Iron Blast Furnace Charges During January and February, 1949 and Two Months Ended February, 1949

	January 1949	February 1949	Two Months Ended February, 1949
(Net tons of 2,000 pounds)			
Iron ore	325,403	311,332	636,735
Mill cinder, scale, sinter, etc..	39,380	36,232	75,612
Limestone	75,287	70,003	145,290
Dolomite	9,766	8,387	18,155
Coke	181,719	166,890	348,609
Scrap iron and steel	8,921	8,297	17,218

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 February, 1949

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

(b) Steel Ingots and Steel Castings

Table 6 - Production During January and February, 1949

	January			February		
	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	226,894	14,058	240,952	212,756	5,743	218,499
Electric	35,025	10	35,035	30,500	10	30,510
Total Steel Ingots	261,919	14,068	275,987	243,256	5,753	249,009
Alloy steel ingots included in above	13,465	...	13,465	14,538	...	14,538

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Table 6 - Production During January and February, 1949 (concluded)

	January			February		
	For own use	For sale	Total	For own use	For sale	Total
(Net tons of 2,000 pounds)						
<u>Steel Castings</u>						
Open hearth - Basic	243	2,268	2,511	200	2,994	3,194
Electric	1,210	4,987	6,197	1,253	5,808	7,061
Converter .....	...	12	12	1	6	7
Total Steel Castings	1,453	7,267	8,720	1,454	8,808	10,262
Alloy steel castings included in above	531	701	1,232	550	1,257	1,807
TOTAL INGOTS AND CASTINGS	263,372	21,335	284,707	244,710	14,561	259,271

Table 7 - Cumulative Production For the Two Months Ended February, 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	401,172	5,581	406,753	439,650	19,801	459,451
Electric	70,675	523	71,198	65,525	20	65,545
Total Steel Ingots	471,847	6,104	477,951	505,175	19,821	524,996
Alloy steel ingots included in above	27,744	...	27,744	28,003	...	28,003
<u>Steel Castings</u>						
Open hearth - Basic	345	5,510	5,855	443	5,262	5,705
Converter	6	77	83	1	18	19
Electric	1,908	10,575	12,483	2,463	10,795	13,258
Total Steel Castings	2,259	16,162	18,421	2,907	16,075	18,982
Alloy steel castings included in above	796	1,385	2,181	1,081	1,958	3,039
TOTAL INGOTS AND CASTINGS	474,106	22,266	496,372	508,082	35,896	543,978

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

	January 1949	February 1949	Two Months Ended February, 1949
	(Net tons of 2,000 pounds)		
Pig iron	156,103	133,982	290,085
Scrap - Own make	80,684	75,745	156,429
Purchased	81,378	77,043	158,421

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

	Annual Capacity	
	(Net tons of 2,000 pounds)	
Ingot - Basic open hearth	2,770,000	
Electric	475,000	
Total Ingots	3,245,000	
Steel castings	302,000	
Total Ingots and Castings .	3,547,000	

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

Month	Pig Iron	Ferro- alloys	Steel		Total Steel
			Ingots	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
Total Two Months	355,798	43,644	524,996	18,982	543,978

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