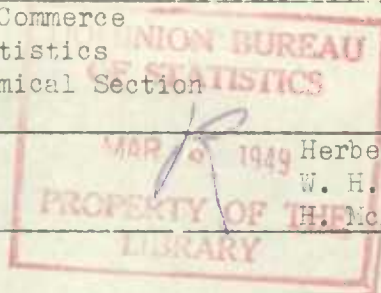


Department of Trade and Commerce  
Dominion Bureau of Statistics  
Mining, Metallurgical and Chemical Section  
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Monthly Report

PRODUCTION OF IRON AND STEEL IN CANADA

JANUARY - 1949

Pig Iron - Production of pig iron in Canada amounted to 183,074 net tons in January compared with 160,042 tons in the corresponding month of last year. The total for the current month included 154,235 tons of basic iron, 14,719 tons of foundry iron and 14,120 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in January amounted to 21,931 net tons compared with 23,708 tons in the previous month and with 17,125 tons in January 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 January totalled 284,707 net tons compared with 256,726 tons in January of last year. Output in the month under review included 275,987 tons of ingots and 8,720 tons of castings.

(a) Pig Iron and Ferro-alloys

Table 1 - Production During December, 1948 and January, 1949

	December, 1948			January, 1949		
	For own use	For sale	Total	For own use	For sale	Total
	(Net tons of 2,000 pounds)					
<u>Pig Iron-</u>						
Basic .....	138,428	7,378	145,806	143,531	10,704	154,235
Foundry .....	581	11,251	11,832	...	14,719	14,719
Malleable .....	...	16,595	16,595	...	14,120	14,120
Total Pig Iron .	139,009	35,224	174,233	143,531	39,543	183,074
<u>Ferro-alloys</u> .....	...	23,708	23,708	...	21,931	21,931

Table 2 - Iron Blast Furnace Charges, December, 1948 and January, 1949

	December, 1948	January, 1949
	(Net tons of 2,000 pounds)	
Iron ore .....	314,448	325,403
Mill cinder, scale, sinter, etc. .	39,311	39,380
Limestone .....	70,435	75,287
Dolomite .....	10,181	9,766
Coke .....	170,232	181,719
Scrap iron and steel .....	8,378	8,921

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Table 3 - 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, Ontario	2	221,760
The Steel Company of Canada, Ltd.	Hamilton, Ontario	3	757,000
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	5	1,035,000
Total .....		14	2,743,760

Table 4 - Description of Iron Blast Furnaces at End of January, 1949

Condition of Furnaces	Number of furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast .....	12	2,554,950	93.9
Banked .....	...	...	...
Blown out .....	2	188,810	6.1
Total .....	14	2,743,760	100.0

(b) Steel Ingots and Steel Castings

Table 5 - Production During December, 1948 and January, 1949

	December, 1948			January, 1949		
	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 .....	227,715	3,003	230,718	226,894	14,058	240,952
Electric .....	40,395	15	40,410	35,025	10	35,035
Total Steel Ingots .....	268,110	3,018	271,128	261,919	14,068	275,987
Alloy steel ingots included in above .....	14,482	...	14,482	13,465	...	13,465
<u>Steel Castings</u>						
Open hearth - Basic .....	220	2,862	3,082	243	2,268	2,511
Converter .....	2	...	2	...	12	12
Electric .....	1,018	5,195	6,213	1,210	4,987	6,197
Total Steel Castings ..	1,240	8,057	9,297	1,453	7,267	8,720
Alloy steel castings included in above .....	562	645	1,207	531	701	1,232
TOTAL INGOTS AND CASTINGS .	269,350	11,075	280,425	263,372	21,335	284,707

Table 6 - Pig Iron and Scrap Charged to Steel Furnaces

	December, 1948	January, 1949
(Net tons of 2,000 pounds)		
Pig iron .....	148,576	156,103
Scrap - Own make .....	77,787	80,684
Purchased .....	90,137	81,378





Table 7 - Steel Furnace Capacity at End of January, 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

Table 8 - Monthly Production of Pig Iron, Ferro-alloys and Steel, 1948 and 1949

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	<b>256,726</b>
February .....	151,123	11,823	230,183	9,463	239,646
March .....	172,675	14,293	275,349	10,677	<b>286,026</b>
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

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