

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

Dominion Statistician: S. A. Cudmore, M.A. (Oxon.), F.S.S., F.R.S.C.
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JANUARY, 1944

PIG IRON - Production of pig iron in Canada amounted to 132,128 net tons in January compared with 138,240 tons in the corresponding month of last year. The total for the current month included 105,152 tons of basic iron, 10,103 tons of foundry iron and 16,873 tons of malleable iron.

FERRO-ALLOYS - Output of ferro-alloys in January amounted to 16,495 net tons compared with 17,038 tons in the previous month and with 18,838 tons in January 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 January totalled 242,186 net tons compared with 207,008 tons in January of last year. Output in the month under review included 229,324 tons of ingots and 12,862 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JANUARY, 1944 and DECEMBER, 1943

	January, 1944			December, 1943		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	100,652	4,500	105,152	101,142	8,616	109,758
Foundry .....	...	10,103	10,103	...	17,112	17,112
Malleable .....	...	16,873	16,873	...	10,386	10,386
TOTAL PIG IRON ...	100,652	31,476	132,128	101,142	36,114	137,256
FERRO-ALLOYS .....	...	16,495	16,495	...	17,038	17,038

Table 2 - IRON BLAST FURNACE CHARGES DURING JANUARY, 1944 and DECEMBER, 1943

	January, 1944	December, 1943
Iron ore	237,087	255,812
Limestone	53,956	57,410
Coke	117,262	129,049
Scrap iron and steel	9,281	8,369

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	715,400
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	2,756,160

Table 4 - DESCRIPTION OF IRON BLAST FURNACES AT END OF JANUARY, 1944

Condition of Furnaces	Number of furnaces	Total Annual Capacity Net tons	Per cent
In blast	8	1,966,640	71.4
Banked	2	347,440	12.6
Blown out	4	442,080	16.0
TOTAL	14	2,756,160	100.0

(b) STEEL INGOTS AND STEEL CASTINGS

Table 5 - PRODUCTION DURING JANUARY, 1944 and DECEMBER, 1943

	January, 1944			December, 1943		
	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	198,729	438	199,167	188,949	...	188,949
Electric	30,144	13	30,157	26,043	...	26,043
Total Steel Ingots ...	228,873	451	229,324	214,992	...	214,992
Alloy steel ingots included in above .....	...	27,452	27,452	21,903	...	21,903
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	131	3,179	3,310	127	2,803	2,935
Converter .....	...	145	145	...	213	213
Electric	2,827	6,580	9,407	2,973	6,709	9,682
Total Steel Castings..	2,958	9,904	12,862	3,100	9,730	12,830
Alloy steel castings included in above	388	1,759	2,147	521	1,812	2,333
TOTAL INGOTS AND CASTINGS	231,831	10,355	242,186	218,092	9,730	227,822

Table 6 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	January, 1944	December, 1943
	(Net tons of 2,000 pounds)	
Pig iron	110,513	110,372
Scrap - Own make	80,488	74,752
Purchased	79,645	67,829

Table 7 - STEEL FURNACE CAPACITY AT END OF JANUARY, 1944

	Annual Capacity
	(Net tons)
Ingots - Basic open hearth	2,765,000
Electric	541,200(x)
Total Ingots	3,306,200(x)
Steel castings	252,800
TOTAL INGOTS AND CASTINGS	3,559,000

(x) Revised figures--no change in number of furnaces.

STATISTICS CANADA LIBRARY
BIBLIOTHEQUE STATISTIQUE CANADA



1010636381