

41-003
NOV 26 1943Published by Authority of the HON. JAMES A. MacKINNON, M.P.
Minister of Trade and Commerce24-11-43
Price -
10 centsDEPARTMENT 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 REPORTPRODUCTION OF IRON AND STEEL IN CANADAOCTOBER, 1943

PIG IRON - Production of pig iron in Canada amounted to 146,794 net tons in October compared with 175,424 tons in the corresponding month of last year. The total for the current month included 130,408 tons of basic iron, 9,273 tons of foundry iron and 7,113 tons of malleable iron.

FERRO-ALLOYS - Output of ferro-alloys in October amounted to 16,843 net tons compared with 17,007 tons in the previous month and with 18,266 tons in October 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 October totalled 271,976 net tons compared with 271,127 tons in October of last year. Output in the month under review included 260,206 tons of ingots and 11,770 tons of castings.

(a) PIG IRON AND FERRO-ALLOYSTable 1 - PRODUCTION DURING OCTOBER AND SEPTEMBER, 1943

	<u>October, 1943</u>			<u>September, 1943</u>		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>PIG IRON</u> -						
Basic	128,894	1,514	130,408	115,649	7,181	122,830
Foundry .....	...	9,273	9,273	...	16,048	16,048
Malleable .....	...	7,113	7,113	...	9,024	9,024
TOTAL PIG IRON ...	128,894	17,900	146,794	115,649	32,253	147,902
<u>FERRO-ALLOYS</u> .....	...	16,843	16,843	...	17,007	17,007

Table 2 - CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDED OCTOBER, 1943 and 1942

	<u>1 9 4 3</u>			<u>1 9 4 2</u>		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>PIG IRON</u> -						
Basic	1,166,867	53,040	1,219,907	1,319,020	46,189	1,365,209
Foundry .....	...	125,199	125,199	...	133,855	133,855
Malleable .....	...	133,654	133,654	...	140,991	140,991
TOTAL PIG IRON ...	1,166,867	311,893	1,478,760	1,319,020	321,035	1,640,055
<u>FERRO-ALLOYS</u> .....	...	185,480	185,480	...	177,336	177,336

Iron and Steel

- 2 -

Table 3 - IRON BLAST FURNACE CHARGES DURING OCTOBER AND SEPTEMBER, 1943 and TEN MONTHS ENDED OCTOBER, 1943

	October	September	Ten months ended October
	(Net tons of 2,000 pounds)		
Iron ore	286,055	280,660	2,754,377
Limestone	69,470	70,880	667,239
Coke	145,464	145,724	1,379,839
Scrap iron and steel	8,512	8,354	93,159

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	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 5 - DESCRIPTION OF IRON BLAST FURNACES AT END OF OCTOBER, 1943

Condition of furnaces	Number of furnaces	Total Annual Capacity Net tons	Per cent
In blast	10	1,914,480	69.5
Banked	1	122,600	4.4
Blown out (x)	3	719,080	26.1
TOTAL	14	2,756,160	100.0

(x) Includes 1 new furnace ready for operation but not yet in blast.

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING OCTOBER AND SEPTEMBER, 1943

	October			September		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
STEEL INGOTS -						
Open hearth - Basic	229,201	437	229,638	195,642	1,277	196,919
Electric	30,568	...	30,568	32,781	...	32,781
Total Steel Ingots	259,769	437	260,206	228,423	1,277	229,700
Alloy steel ingots included in above	30,718	63	30,781	33,500	...	33,500
STEEL CASTINGS -						
Open hearth - Basic	129	2,249	2,378	99	1,961	2,060
Converter .....	...	395	395	...	298	298
Electric	2,638	6,359	8,997	2,704	6,493	9,197
Total Steel Castings ..	2,767	9,003	11,770	2,803	8,752	11,555
Alloy steel castings included in above	368	1,423	1,791	395	1,635	2,030
TOTAL INGOTS AND CASTINGS.	262,536	9,440	271,976	231,226	10,029	241,255

Iron and Steel

- 3 -

Table 7 - CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDED OCTOBER, 1943 and 1942

	1943			1942		
	1	9	4	1	9	4
	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 ...	2,067,862	9,585	2,077,447	2,110,871	61,505	2,172,376
Electric	284,929	18,332	303,261	224,815	36,568	261,383
Total Steel Ingots ..	2,352,791	27,917	2,380,708	2,335,686	98,073	2,433,759
Alloy steel ingots included in above	329,740	159	329,899	280,445	1,285	281,730
<u>STEEL CASTINGS -</u>						
Open hearth - Basic ...	1,338	22,361	23,699	2,116	19,934	22,050
Converter	1	3,851	3,852	43	4,286	4,329
Electric	37,183	64,270	101,453	48,139	72,438	120,577
Total Steel Castings.	38,522	90,482	129,004	50,298	96,658	146,956
Alloy steel castings included in above	7,537	18,401	25,938	14,908	21,485	36,393
TOTAL INGOTS AND CASTINGS	2,391,313	118,399	2,509,712	2,385,984	194,731	2,580,715

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	October, 1943	September 1943	Ten months ended October, 1943
(Net tons of 2,000 pounds)			
Pig iron	142,883	122,835	1,274,257
Scrap - Own make	98,728	83,402	825,543
Purchased	62,534	61,905	678,493

Table 9 - STEEL FURNACE CAPACITY AT END OF OCTOBER, 1943

	Annual Capacity (Net tons)
Ingots - Basic open hearth	2,765,000
Electric	492,500
TOTAL INGOTS	3,257,500
Steel castings	281,600
TOTAL INGOTS AND CASTINGS	3,539,100



1010636375