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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JANUARY, 1945

PIG IRON - Production of pig iron in Canada amounted to 155,969 net tons in January compared with 132,123 tons in the corresponding month of last year. The total for the current month included 127,398 tons of basic iron, 13,594 tons of foundry iron and 14,977 tons of malleable iron.

FERRO-ALLOYS - Output of ferro-alloys in January amounted to 12,130 net tons compared with 12,391 tons in the previous month and with 16,495 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 268,722 net tons compared with 242,186 tons in January of last year. Output in the month under review included 253,674 tons of ingots and 15,048 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING JANUARY, 1945 AND DECEMBER, 1944

	January, 1945			December, 1944		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>PIG IRON</u> -						
Basic	122,002	5,336	127,398	111,351	6,321	117,672
Foundry	-	13,594	13,594	-	7,999	7,999
Malleable	-	14,977	14,977	-	13,481	13,481
TOTAL PIG IRON	122,002	33,967	155,969	111,351	27,801	139,152
<u>FERRO-ALLOYS</u>	-	12,130	12,130	-	12,391	12,391

Table 2 - IRON BLAST FURNACE CHARGES DURING JANUARY, 1945 AND DECEMBER, 1944.

	January, 1945	December, 1944
(Net tons of 2,000 pounds)		
Iron ore	284,231	261,260
Mill cinder, scale, sinter, etc.	19,868	Not available
Limestone	60,475	54,432
Dolomite	6,580	Not available
Coke	144,237	128,484
Scrap iron and steel	6,450	5,750

Iron and Steel

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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, 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	2,770,760

Table 4 - DESCRIPTION OF IRON BLAST FURNACES AT END OF JANUARY, 1945

Condition of Furnaces	Number of furnaces	Total Annual Capacity Net tons	Per cent
In blast	9	2,201,700	79.4
Blown out	5	569,060	20.6
TOTAL	14	2,770,760	100.0

(b) STEEL INGOTS AND STEEL CASTINGS

Table 5 - PRODUCTION DURING JANUARY, 1945 AND DECEMBER, 1944

	January, 1945			December, 1944		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
STEEL INGOTS -						
Open hearth - Basic	219,284	1,170	220,454	201,128	181	201,309
Electric	31,152	2,068	33,220	26,583	1,670	28,253
Total Steel Ingots	250,436	3,238	253,674	227,711	1,851	229,562
Alloy steel ingots included in above	37,730	-	37,730	27,971	-	27,971
STEEL CASTINGS -						
Open hearth - Basic	135	2,857	2,992	141	2,546	2,687
Converter	3	51	54	3	63	66
Electric	5,577	6,425	12,002	5,163	6,004	11,167
Total Steel Castings ...	5,715	9,333	15,048	5,307	8,613	13,920
Alloy steel castings included in above	870	1,314	2,184	461	1,590	2,051
TOTAL INGOTS AND CASTINGS	256,151	12,571	268,722	233,018	10,464	243,482

Iron and Steel

Table 6 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	January, 1945	December, 1944
	(Net tons of 2,000 pounds)	
Pig iron	133,114	121,786
Scrap - Own make	85,743	78,570
Purchased	76,006	67,105

Table 7 - STEEL FURNACE CAPACITY AT END OF JANUARY, 1945

	Annual Capacity
	(Net tons)
Ingots - Basic open hearth	2,785,400
Electric	573,200
Total Ingots	3,358,600
Steel castings	264,800
TOTAL INGOTS AND CASTINGS	3,623,400

Table 8 - MONTHLY PRODUCTION OF PIG IRON, FERRO-ALLOYS AND STEEL, 1944

Month	Pig iron	Ferro-alloys	S t e e l		
			Ingots	Castings	Total steel
			(Net tons of 2,000 pounds)		
January	132,128	16,495	229,324	12,862	242,186
February	141,878	14,720	216,567	13,285	229,852
March	168,047	13,427	261,171	14,368	275,539
April	170,364	12,818	250,157	10,668	260,825
May	175,207	15,876	251,463	11,968	263,431
June ...	161,899	17,906	228,774	11,976	240,750
July	166,004	14,508	224,774	9,644	234,418
August	151,452	18,808	235,556	11,199	246,755
September	145,406	14,568	231,292	11,433	242,725
October	154,119	15,631	263,263	12,261	275,524
November	146,972	15,280	256,504	12,419	268,923
December	139,152	12,391	229,562	13,920	243,482
TOTAL, 1944	1,852,628	162,423	2,878,407	146,003	3,024,410
TOTAL, 1943	1,758,265	218,687	2,848,235	148,743	2,996,978

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