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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

MARCH, 1945.

PIG IRON - Production of pig iron in Canada amounted to 165,517 net tons in March compared with 168,047 tons in the corresponding month of last year. The total for the current month included 134,325 tons of basic iron, 16,924 tons of foundry iron and 14,568 tons of malleable iron.

FERRO-ALLOYS - Output of ferro-alloys in March amounted to 16,434 net tons compared with 13,402 tons in the previous month and with 13,427 tons in March 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 March totalled 277,461 net tons compared with 275,539 tons in March of last year. Output in the month under review included 261,524 tons of ingots and 15,937 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING MARCH AND FEBRUARY, 1945.

	March, 1945.			February, 1945.		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
	(Net tons of 2,000 pounds)					
<u>PIG IRON</u> -						
Basic	120,404	13,921	134,325	118,457	8,180	126,637
Foundry	-	16,924	16,924	-	9,403	9,403
Malleable	-	14,568	14,568	-	13,447	13,447
TOTAL PIG IRON	120,404	45,413	165,817	118,457	31,030	149,487
<u>FERRO-ALLOYS</u>	-	16,434	16,434	-	13,402	13,402

Table 2 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDED MARCH, 1945 and 1944.

	1945			1944		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
	(Net tons of 2,000 pounds)					
<u>PIG IRON</u> -						
Basic	360,863	27,497	388,360	327,856	24,646	352,502
Foundry	-	39,921	39,921	-	37,701	37,701
Malleable	-	42,992	42,992	-	51,850	51,850
TOTAL PIG IRON	360,863	110,410	471,273	327,856	114,197	442,053
<u>FERRO-ALLOYS</u>	-	41,966	41,966	-	44,642	44,642

Table 3 - IRON BLAST FURNACE CHARGES DURING MARCH AND FEBRUARY, 1945 AND THREE MONTHS ENDED MARCH, 1945.

	March 1945	February 1945	Three Months Ended March, 1945
(Net tons of 2,000 pounds)			
Iron ore	296,220	267,124	847,575
Mill cinder, scale, sinter, etc. ..	20,039	20,333	60,240
Limestone	68,179	58,949	187,603
Dolomite	5,523	6,167	18,270
Coke	149,952	134,699	428,888
Scrap iron and steel	7,942	5,678	20,070

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	1,062,000
TOTAL		14	2,770,760

Table 5 - DESCRIPTION OF IRON BLAST FURNACES AT END OF MARCH, 1945

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

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING MARCH AND FEBRUARY, 1945.

	March, 1945.			February, 1945		
	For own use	For Sale	TOTAL	For own use	For Sale	TOTAL
(Net tons of 2,000 pounds)						
STEEL INGOTS -						
Open hearth - Basic	222,523	179	222,702	198,769	885	199,654
Electric	34,804	4,018	38,822	32,638	3,310	35,948
Total Steel Ingots	257,327	4,197	261,524	231,407	4,195	235,602
Alloy steel ingots included in above	42,580	-	42,580	38,730	-	38,730

(b) STEEL INGOTS AND STEEL CASTINGS - Continued

Table 6 - PRODUCTION DURING MARCH AND FEBRUARY, 1945.

	March, 1945			February, 1945.		
	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	134	2,781	2,915	116	2,635	2,751
Converter	4	35	39	3	42	45
Electric	6,456	6,527	12,983	5,796	6,270	12,066
Total Steel Castings	6,594	9,343	15,937	5,915	8,947	14,862
Alloy steel castings included in above	506	1,838	2,344	399	1,664	2,063
TOTAL INGOTS AND CASTINGS .	263,921	13,540	277,461	237,322	13,142	250,464

Table 7 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDED MARCH, 1945 and 1944

	1 9 4 5			1 9 4 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	640,576	2,234	642,810	619,456	1,446	620,902
Electric	98,594	9,396	107,990	86,103	57	86,160
Total Steel Ingots	739,170	11,630	750,800	705,559	1,503	707,062
Alloy steel ingots included in above	119,040	-	119,040	68,211	-	68,211
<u>STEEL CASTINGS -</u>						
Open hearth - Basic	385	8,273	8,658	411	9,379	10,290
Converter	10	128	138	-	546	546
Electric	17,829	19,222	37,051	8,465	21,214	29,679
Total Steel Castings	18,224	27,623	45,847	8,876	31,639	40,515
Alloy steel castings included in above	1,775	4,816	6,591	1,228	5,678	6,906
TOTAL INGOTS AND CASTINGS	757,394	39,253	796,647	714,435	33,142	747,577

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	March 1945	February 1945	Three Months Ended March, 1945
(Net tons)			
Pig iron	130,519	121,534	385,167
Scrap - Own make	89,922	82,247	257,912
Purchased	86,542	73,335	235,883



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Table 9 - STEEL FURNACE CAPACITY AT END OF MARCH, 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 10 - MONTHLY PRODUCTION OF PIG IRON, FERRO-ALLOYS AND STEEL, 1944 and 1945

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total steel
(Net tons of 2,000 pounds)					
1944					
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	182,428	2,878,407	146,003	3,024,410
1945					
January	155,969	12,130	253,674	15,048	268,722
February	149,487	13,402	235,602	14,862	250,464
March	165,817	16,434	261,524	15,937	277,461
TOTAL THREE MONTHS ..	471,273	41,966	750,800	45,847	796,647