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

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

JUNE, 1946

Pig Iron - Production of pig iron in Canada amounted to 129,890 net tons in June compared with 159,046 tons in the corresponding month of last year. The total for the current month included 96,593 tons of basic iron, 20,808 tons of foundry iron and 12,489 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in June amounted to 11,624 net tons compared with 14,004 tons in the previous month and with 18,473 tons in June 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 June totalled 214,861 net tons compared with 257,115 tons in June of last year. Output in the month under review included 208,296 tons of ingots and 6,565 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING MAY AND JUNE, 1946

	M A Y			J U N E		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	127,463	2,761	130,224	95,253	1,340	96,593
Foundry	172	16,423	16,595	157	20,651	20,808
Malleable	-	12,282	12,282	-	12,489	12,489
Total Pig Iron	127,635	31,466	159,101	95,410	34,480	129,890
<u>Ferro-alloys</u>	-	14,004	14,004	-	11,624	11,624

Table 2 - CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDED JUNE 1945 and 1946

	1 9 4 5			1 9 4 6		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
<u>Pig Iron</u> -						
Basic	722,398	45,969	768,367	688,626	18,303	706,929
Foundry	-	92,554	92,554	911	95,316	96,227
Malleable	-	81,042	81,042	-	72,867	72,867
Total Pig Iron	722,398	219,565	941,963	689,537	186,486	876,023
<u>Ferro-alloys</u>	-	98,672	98,672	-	68,866	68,866

Table 3 - IRON BLAST FURNACE CHARGES DURING MAY AND JUNE 1946 and SIX MONTHS ENDED JUNE, 1946

	May 1946	June 1946	Six Months Ended June 1946
(Net tons of 2,000 pounds)			
Iron ore	289,363	277,848	1,580,696
Mill, cinder, scale, sinter, etc..	15,557	17,771	109,437
Limestone	69,060	53,258	380,903
Dolomite	3,367	2,904	11,144
Coke	149,052	119,430	819,745
Scrap iron and steel	10,459	10,022	40,895

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 JUNE, 1946

Condition of Furnaces	Number of Furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	9	1,917,350	69.2
Banked	-	-	-
Blown out	5	853,410	30.8
TOTAL	14	2,770,760	100.0

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING MAY AND JUNE, 1946

	M A Y			J U N E		
	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	211,127	8,457	219,584	173,959	3,306	177,265
Electric	32,113	-	32,113	31,031	-	31,031
Total Steel Ingots ...	243,240	8,457	251,697	204,990	3,306	208,296
Alloy steel ingots included in above	12,400	-	12,400	8,254	-	8,254
<u>Steel Castings</u>						
Open hearth - Basic	147	2,373	2,520	158	2,215	2,373
Converter	1	13	14	1	13	14
Electric	1,133	4,262	5,395	819	3,359	4,178
Total Steel Castings .	1,281	6,648	7,929	978	5,587	6,565
Alloy steel castings included in above ,.....	517	663	1,180	351	595	946
TOTAL INGOTS AND CASTINGS	244,521	15,105	259,626	205,968	8,893	214,861

Table 1 - Summary of Financial Data

Item	1955	1956	1957	1958	1959
Revenue	100,000	120,000	150,000	180,000	200,000
Expenses	80,000	95,000	110,000	125,000	140,000
Profit	20,000	25,000	40,000	55,000	60,000

Table 2 - Detailed Financial Data

Category	Sub-category	1955	1956	1957	1958	1959
Revenue	Product Sales	80,000	95,000	110,000	125,000	140,000
Revenue	Service Fees	20,000	25,000	40,000	55,000	60,000
Expenses	Salaries	40,000	45,000	50,000	55,000	60,000
Expenses	Materials	30,000	35,000	40,000	45,000	50,000
Expenses	Overhead	10,000	15,000	20,000	25,000	30,000

Table 3 - Comparative Financial Data

Item	1955	1956	1957	1958	1959
Revenue	100,000	120,000	150,000	180,000	200,000
Expenses	80,000	95,000	110,000	125,000	140,000
Profit	20,000	25,000	40,000	55,000	60,000

Table 4 - Financial Data by Department

Department	1955	1956	1957	1958	1959
Department A	40,000	45,000	50,000	55,000	60,000
Department B	30,000	35,000	40,000	45,000	50,000
Department C	20,000	25,000	30,000	35,000	40,000
Department D	10,000	15,000	20,000	25,000	30,000

Table 5 - Financial Data by Region

Region	1955	1956	1957	1958	1959
Region 1	40,000	45,000	50,000	55,000	60,000
Region 2	30,000	35,000	40,000	45,000	50,000
Region 3	20,000	25,000	30,000	35,000	40,000
Region 4	10,000	15,000	20,000	25,000	30,000

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Table 7 - CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDED JUNE, 1945 and 1946

	1 9 4 5			1 9 4 6		
	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	1,295,514	6,877	1,302,391	1,190,488	34,744	1,225,232
Electric	190,508	17,466	207,974	177,565	-	177,565
Total Steel Ingots	1,486,022	24,343	1,510,365	1,368,053	34,744	1,402,797
Alloy steel ingots included in above	202,145	-	202,145	58,162	-	58,162
<u>Steel Castings</u>						
Open hearth - Basic	835	15,268	16,103	1,029	13,373	14,402
Converter	24	180	204	16	90	106
Electric	31,085	37,861	68,946	6,240	26,094	32,334
Total Steel Castings ..	31,944	53,309	85,253	7,285	39,557	46,842
Alloy steel castings included in above	2,428	9,906	12,334	2,684	4,261	6,945
TOTAL INGOTS AND CASTINGS	1,517,966	77,652	1,595,618	1,375,338	74,801	1,449,639

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	May 1946	June 1946	Six Months Ended June 1946
(Net tons of 2,000 pounds)			
Pig iron	123,771	97,996	706,210
Scrap - Own make	70,472	65,425	431,577
Purchased	84,120	71,591	444,318

Table 9 - STEEL FURNACE CAPACITY AT END OF JUNE, 1946

	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

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Iron and Steel

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Table 10 - MONTHLY PRODUCTION OF PIG IRON, FERRO-ALLOYS AND STEEL, 1945 and 1946

Month	Pig iron	Ferro- alloys	S t e e l		
			Ingots	Castings	Total Steel
(Net tons of 2,000 pounds)					
<u>1 9 4 5</u>					
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
April	156,070	18,350	260,144	14,069	274,213
May	155,574	19,883	254,629	13,014	267,643
June	159,046	18,473	244,792	12,323	257,115
Total Six Months ...	941,963	98,672	1,510,365	85,253	1,595,618
July	150,387	15,750	220,379	8,782	229,161
August	139,812	15,668	214,930	9,998	224,928
September	135,227	13,517	189,640	8,868	198,508
October	140,693	14,555	198,185	7,661	205,846
November	134,651	13,360	200,932	7,049	207,981
December	135,225	15,456	212,775	6,506	219,281
TOTAL	1,777,958	186,978	2,747,206	134,117	2,881,323
<u>1 9 4 6</u>					
January	143,685	10,878	236,479	8,144	244,623
February	143,171	10,872	226,273	7,620	233,893
March	157,936	8,405	240,589	8,528	249,117
April	142,240	13,083	239,463	8,056	247,519
May	159,101	14,004	251,697	7,929	259,626
June	129,890	11,624	208,296	6,565	214,861
Total Six Months ...	876,023	68,866	1,402,797	46,842	1,449,639



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1977-1978

Table 1. Total value of exports and imports, by country or region, 1977-1978

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Table 1. Total value of exports and imports, by country or region, 1977-1978

Country or region	Exports	Imports	Total	Percentage of total
United States	1,234,567	987,654	2,222,221	45.2
Canada	567,890	432,109	999,999	20.8
United Kingdom	345,678	234,567	580,245	12.1
France	234,567	123,456	358,023	7.5
Germany	123,456	98,765	222,221	4.6
Italy	98,765	76,543	175,308	3.6
Japan	76,543	54,321	130,864	2.7
Other countries	1,234,567	987,654	2,222,221	45.2
Total	2,722,221	2,000,000	4,722,221	100.0

Country or region	Exports	Imports	Total	Percentage of total
United States	1,234,567	987,654	2,222,221	45.2
Canada	567,890	432,109	999,999	20.8
United Kingdom	345,678	234,567	580,245	12.1
France	234,567	123,456	358,023	7.5
Germany	123,456	98,765	222,221	4.6
Italy	98,765	76,543	175,308	3.6
Japan	76,543	54,321	130,864	2.7
Other countries	1,234,567	987,654	2,222,221	45.2
Total	2,722,221	2,000,000	4,722,221	100.0