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DEPARTMENT OF TRADE AND COMMERCE
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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

APRIL, 1946

Pig Iron - Production of pig iron in Canada amounted to 142,240 net tons in April compared with 156,070 tons in the corresponding month of last year. The total for the current month included 119,557 tons of basic iron, 12,223 tons of foundry iron and 10,460 tons of malleable iron.

Ferro-alloys - Output of ferro-alloys in April amounted to 13,083 net tons compared with 8,405 tons in the previous month and with 18,350 tons in April 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 April totalled 247,519 net tons compared with 274,213 tons in April of last year. Output in the month under review included 239,463 tons of ingots and 8,056 tons of castings.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING MARCH AND APRIL, 1946

	M a r c h			A p r i l		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Net tons of 2,000 pounds)					
<u>Pig Iron-</u>						
Basic	120,425	4,052	124,477	113,909	5,648	119,557
Foundry	252	15,640	15,892	177	12,046	12,223
Malleable .....	...	17,680	17,680	...	10,460	10,460
Total Pig Iron	120,677	37,372	158,049	114,086	28,154	142,240
<u>Ferro-alloys</u>	...	8,405	8,405	...	13,083	13,083

Table 2 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDED APRIL, 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	480,825	29,980	510,805	465,910	14,202	480,112
Foundry .....	...	61,997	61,997	582	58,242	58,824
Malleable .....	...	54,541	54,541	...	48,096	48,096
Total Pig Iron	480,825	146,518	627,343	466,492	120,540	587,032
<u>Ferro-alloys</u> .....	...	60,316	60,316	...	43,238	43,238

Table 3 - IRON BLAST FURNACE CHARGES DURING MARCH AND APRIL, 1946 and FOUR MONTHS ENDED APRIL, 1946

	March 1946	April 1946	Four Months Ended April, 1946
(Net tons of 2,000 pounds)			
Iron ore	278,390	260,600	1,063,485
Mill cinder, scale, sinter, etc.	23,862	15,912	76,109
Limestone	68,260	62,601	258,585
Dolomite	1,228	1,238	4,873
Coke	144,841	134,774	551,263
Scrap iron and steel	5,722	6,157	20,414

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 APRIL, 1946

Condition of Furnaces	Number of Furnaces	Total Annual Capacity	
		Net tons	Per cent
In blast	9	2,142,350	77.3
Banked	-	-	-
Blown out	5	628,410	22.7
TOTAL	14	2,770,760	100.0

(b) STEEL INGOTS AND STEEL CASTINGS

Table 6 - PRODUCTION DURING MARCH AND APRIL, 1946

	M a r c h			A p r i l		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
(Net tons of 2,000 pounds)						
Steel Ingots						
Open hearth - Basic	201,436	7,948	209,384	203,566	3,601	207,167
Electric	31,205	-	31,205	32,296	-	32,296
Total Steel Ingots ...	232,641	7,948	240,589	235,862	3,601	239,463
Alloy steel ingots included in above	8,202	-	8,202	13,151	-	13,151
Steel Castings						
Open hearth - Basic	216	2,269	2,485	224	2,226	2,450
Converter	5	25	30	5	13	18
Electric	1,169	4,844	6,013	954	4,634	5,588
Total Steel Castings .	1,390	7,138	8,528	1,183	6,873	8,056
Alloy steel castings included in above	578	777	1,355	465	727	1,192
TOTAL INGOTS AND CASTINGS	234,031	15,086	249,117	237,045	10,474	247,519

Table 1 - Summary of Financial Data

Category	Item	Value
Revenue	Item 1	100.00
	Item 2	200.00
	Item 3	300.00
	Item 4	400.00
Expenses	Item 1	50.00
	Item 2	100.00
	Item 3	150.00
	Item 4	200.00
Net Income	Item 1	50.00
	Item 2	100.00

Table 2 - Detailed Financial Data

Category	Item	Value
Revenue	Item 1	100.00
	Item 2	200.00
	Item 3	300.00
	Item 4	400.00
Expenses	Item 1	50.00
	Item 2	100.00
	Item 3	150.00
	Item 4	200.00
Net Income	Item 1	50.00
	Item 2	100.00

Table 3 - Financial Data Summary

Category	Item	Value
Revenue	Item 1	100.00
	Item 2	200.00
	Item 3	300.00
	Item 4	400.00
Expenses	Item 1	50.00
	Item 2	100.00
	Item 3	150.00
	Item 4	200.00
Net Income	Item 1	50.00
	Item 2	100.00

Table 4 - Financial Data Summary

Category	Item	Value
Revenue	Item 1	100.00
	Item 2	200.00
	Item 3	300.00
	Item 4	400.00
Expenses	Item 1	50.00
	Item 2	100.00
	Item 3	150.00
	Item 4	200.00
Net Income	Item 1	50.00
	Item 2	100.00

Table 5 - Financial Data Summary

Category	Item	Value
Revenue	Item 1	100.00
	Item 2	200.00
	Item 3	300.00
	Item 4	400.00
Expenses	Item 1	50.00
	Item 2	100.00
	Item 3	150.00
	Item 4	200.00
Net Income	Item 1	50.00
	Item 2	100.00

Table 7 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDED APRIL, 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	863,459	2,728	866,187	805,402	22,981	828,383
Electric	131,285	13,472	144,757	114,421	-	114,421
Total Steel Ingots	994,744	16,200	1,010,944	919,823	22,981	942,804
Alloy steel ingots included in above	156,875	-	156,875	37,508	-	37,508
<u>Steel Castings</u>						
Open hearth - Basic	509	10,577	11,086	724	8,785	9,509
Converter	13	151	164	14	64	78
Electric	23,558	25,108	48,666	4,288	18,473	22,761
Total Steel Castings ...	24,080	35,836	59,916	5,026	27,322	32,348
Alloy steel castings included in above	1,767	6,704	8,471	1,816	3,003	4,819
TOTAL INGOTS AND CASTINGS.	1,018,824	52,036	1,070,860	924,849	50,303	975,152

Table 8 - PIG IRON AND SCRAP CHARGED TO STEEL FURNACES

	March 1946	April 1946	Four Months Ended April, 1946
	(Net tons of 2,000 pounds)		
Pig iron	121,457	120,687	484,443
Scrap - Own make	80,562	77,026	295,680
Purchased	73,339	71,197	288,607

Table 9 - STEEL FURNACE CAPACITY AT END OF APRIL, 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

Table 1 - Summary of Financial Data for the Year 1998

Category	Item	Value	Value	Value	Value
Total Income	Operating Income	100,000	100,000	100,000	100,000
	Interest Income	50,000	50,000	50,000	50,000
	Dividend Income	25,000	25,000	25,000	25,000
	Capital Gains	15,000	15,000	15,000	15,000
Total Expenses	Operating Expenses	80,000	80,000	80,000	80,000
	Interest Expenses	30,000	30,000	30,000	30,000
	Dividend Expenses	10,000	10,000	10,000	10,000
	Capital Losses	5,000	5,000	5,000	5,000
Net Income		20,000	20,000	20,000	20,000
Total Assets		120,000	120,000	120,000	120,000
Total Liabilities		100,000	100,000	100,000	100,000
Total Equity		20,000	20,000	20,000	20,000

Table 2 - Summary of Financial Data for the Year 1999

Category	Item	Value	Value	Value	Value
Total Income	Operating Income	110,000	110,000	110,000	110,000
	Interest Income	55,000	55,000	55,000	55,000
	Dividend Income	27,000	27,000	27,000	27,000
	Capital Gains	16,000	16,000	16,000	16,000
Total Expenses	Operating Expenses	85,000	85,000	85,000	85,000
	Interest Expenses	32,000	32,000	32,000	32,000
	Dividend Expenses	11,000	11,000	11,000	11,000
	Capital Losses	6,000	6,000	6,000	6,000
Net Income		22,000	22,000	22,000	22,000
Total Assets		125,000	125,000	125,000	125,000
Total Liabilities		105,000	105,000	105,000	105,000
Total Equity		20,000	20,000	20,000	20,000

Table 3 - Summary of Financial Data for the Year 2000

Category	Item	Value	Value	Value	Value
Total Income	Operating Income	120,000	120,000	120,000	120,000
	Interest Income	60,000	60,000	60,000	60,000
	Dividend Income	29,000	29,000	29,000	29,000
	Capital Gains	17,000	17,000	17,000	17,000
Total Expenses	Operating Expenses	90,000	90,000	90,000	90,000
	Interest Expenses	34,000	34,000	34,000	34,000
	Dividend Expenses	12,000	12,000	12,000	12,000
	Capital Losses	7,000	7,000	7,000	7,000
Net Income		24,000	24,000	24,000	24,000
Total Assets		130,000	130,000	130,000	130,000
Total Liabilities		110,000	110,000	110,000	110,000
Total Equity		20,000	20,000	20,000	20,000

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
Total Four Months	627,343	60,316	1,010,944	59,916	1,070,860
May	155,574	19,883	254,629	13,014	267,643
June ,.....	159,046	18,473	244,792	12,323	257,115
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	158,049	8,405	240,589	8,528	249,117
April	142,240	13,083	239,463	8,056	247,519
Total Four Months	587,032 (x)	43,238	942,804	32,348	975,152

(x) There will be a revision of 113 tons in figures for the earlier months. The revisions will appear in next month's report.

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