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OTTAWA - CANADA

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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

MARCH, 1940

FIG IRON - Production of pig iron in Canada during March amounted to 91,772 long tons compared with 87,032 tons in the previous month and 40,723 tons in March, 1939. This month's output included 77,768 tons of basic iron, 4,168 tons of foundry iron and 9,836 tons of malleable iron.

On March 29 a 550 ton furnace at Sydney, N.S., was banked, leaving six furnaces in blast at the end of the month. These active furnaces represented about 60 per cent of the total Canadian capacity, the two banked furnaces 25 per cent and the idle furnaces 15 per cent.

Cumulative production for the three months ending March totalled 283,507 tons, a gain of 103 per cent over the 139,716 tons made during the first quarter of a year ago.

FERRO-ALLOYS - Output of ferro-alloys at 8,298 tons in March compares with 7,711 tons in February and 3,526 tons in the corresponding month of last year. This month's output included the following grades which are listed according to the tonnage made: ferrosilicon, ferromanganese, silicomanganese, silicospiegel and ferrochrome.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings at 157,326 tons in March compares with 140,343 tons in February and 95,697 tons in March, 1939. This month's total included 150,537 tons of ingots and 6,789 tons of castings.

For the three months ending March 31, 1940, output totalled 464,165 tons, a gain of 85 per cent over the 251,074 tons made during the first quarter of 1939.

PRICES - Slight declines in several items of the rolling mill products group caused the index for Iron and Its Products to ease to 102.5 in March from 102.6 in February. Production of both pig iron and steel ingots increased as further war contracts were released, and ordinary domestic demand became more active. To meet the increasing consumption needs, considerable tonnages have been brought in from the United States, values for which during the first two months of 1940 were almost double those for the corresponding period of 1939. Prices of pig iron were unchanged, No. 1 foundry, delivered at Toronto, being quoted at \$26.00 per long ton.

UNITED STATES - (Iron Age) In the United States the production of pig iron averaged 105,500 short tons a day in March, a drop of 7.6 per cent from the 114,189 tons in February. Nine furnaces were blown out during March and four were put in operation.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING MARCH and FEBRUARY, 1940 (Tons of 2,240 pounds)

	MARCH, 1940			FEBRUARY, 1940		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	77,180	588	77,768	67,752	5,141	72,893
Foundry .....	...	4,168	4,168	...	3,572	3,572
Malleable .....	...	9,836	9,836	...	10,567	10,567
TOTAL	77,180	14,592	91,772	67,752	19,280	87,032
Ferro-alloys .....	...	8,298	8,298	...	7,711	7,711

Table 2 - CUMULATIVE PRODUCTION FOR THE THREE MONTHS ENDING MARCH, 1940 and 1939 (tons of 2,240 pounds)

	1940				1939			
	1	9	4	0	1	9	3	9
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
PIG IRON -								
Basic	232,758	5,729	238,487		121,487	4,673	126,160	
Foundry .....	...	20,273	20,273		...	10,175	10,175	
Malleable .....	...	24,747	24,747		...	3,381	3,381	
TOTAL	232,758	50,749	283,507		121,487	18,229	139,716	
Ferro-alloys .....	...	23,855	23,855		...	11,680	11,680	

Table 3 - IRON BLAST FURNACE CHARGES DURING MARCH and FEBRUARY, 1940 and THREE MONTHS ENDING MARCH, 1940

	Unit	MARCH	FEBRUARY	THREE MONTHS
Iron ore	Long ton	333,643	147,347	489,645
Limestone	Short ton	84,295	38,131	126,590
Coke	Short ton	197,348	89,109	295,456

(b) STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING MARCH and FEBRUARY, 1940 (Tons of 2,240 pounds)

	MARCH			FEBRUARY		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	142,762	53	142,815	124,202	52	124,254
Electric	7,722	...	7,722	9,518	...	9,518
Other .....	...	...	...	...	...	...
Total Steel Ingots	150,484	53	150,537	133,720	52	133,772
STEEL CASTINGS -						
Open hearth - Basic	243	1,819	2,062	212	2,044	2,256
Converter .....	...	97	97	...	118	118
Electric	1,064	3,566	4,630	918	3,279	4,197
Total Direct Steel Castings	1,307	5,482	6,789	1,130	5,441	6,571
GRAND TOTAL	151,791	5,535	157,326	134,850	5,493	140,343

Table 5 - CUMULATIVE PRODUCTION for the THREE MONTHS ending MARCH, 1940 and 1939

	1	9	4	0	1	9	3	9
	For own	For			For own	For		
	use	sale	TOTAL		use	sale	TOTAL	
STEEL INGOTS -								
Open hearth - Basic	416,823	158	416,981		231,129	104	231,233	
Electric	26,906	...	26,906		9,363	...	9,363	
Other .....	...	...	...		...	...	...
Total Steel Ingots ...	443,729	158	443,987		240,492	104	240,596	
STEEL CASTINGS -								
Open hearth - Basic	738	6,202	6,940		486	2,180	2,666	
Converter .....	...	326	326		...	116	116	
Electric	2,776	10,236	13,012		1,696	6,000	7,696	
Total Direct Steel Castings	3,514	16,764	20,278		2,182	8,296	10,478	
GRAND TOTAL	447,243	16,922	464,165		242,674	8,400	251,074	

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA, 1916 - 1939 (In 1000's of long tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1928	86	103
1917	87	130	1929	90	115
1918	89	139	1930	62	84
1919	68	77	1931	35	56
1920	81	92	1932	12	28
1921	50	56	1933	19	34
1922	32	40	1934	34	63
1923	73	73	1935	50	78
1924	49	55	1936	57	93
1925	48	63	1937	75	117
1926	63	65	1938	59	96
1927	59	76	1939	63	115

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS and BY PROVINCES, and STEEL INGOTS and CASTINGS, BY MONTHS, 1939 and 1940. (In 1000's of long tons)

Month	P I G I R O N						S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1939	1940	1939	1940	1939	1940	1939	1940
January	16	34	42	71	58	105	78	167
February	13	23	28	64	41	87	77	140
March	12	34	29	58	41	92	96	157
Total - 3 Months..	41	91	99	193	140	284	251	464
April	19		27		46		100	
May	25		33		58		121	
June	24		29		53		108	
July	23		36		59		111	
August	23		43		66		122	
September	24		42		66		125	
October	24		62		86		150	
November	25		63		88		147	
December	32		63		95		150	
TOTAL FOR YEAR ...	260		497		757		1,385	



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- 4 -

Table 8 - IRON BLAST FURNACES IN CANADA

Name of Company	Location of furnace	Number of stacks	Total Daily Capacity (Long tons)
Dominion Steel and Coal Corp. Ltd.	Sydney, N.S.	3	1,200
Canadian Furnace Limited	Port Colborne, Ont.	1	350
The Steel Company of Canada, Limited	Hamilton, Ont.	2	825
The Algoma Steel Corporation	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF MARCH, 1940

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	6	2,375	60
Banked	2	1,000	25
Blown out	2	600	15
Total Furnaces Reporting	10	3,975	100

NOTE - Figures in this report are the latest available at time of printing. Where necessary, data for earlier months have been revised.