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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

APRIL - 1941

PIG IRON - Production of pig iron in Canada totalled 103,326 tons in April compared with 102,033 tons in March of this year and with 84,210 tons in April, 1940. This month's total included 34,033 tons of basic iron, 11,277 tons of foundry iron and 8,016 tons of malleable iron.

Blast furnace charges for the month included 182,111 tons of iron ore, 46,945 short tons of limestone and 102,665 short tons of coke. During the first four months of the year 711,040 tons of ore, 188,807 short tons of limestone and 398,598 short tons of coke were charged to iron blast furnaces in Canada to make 392,614 tons of pig iron. Corresponding production figures for the four months ending April of other years amounted to 367,717 tons in 1940 and 185,970 tons in 1939.

On April 30, 1941 the operating blast furnaces in Canada represented 92.8 per cent of capacity, only one 300-ton furnace at Sault Ste. Marie being inactive.

FERRO-ALLOYS - Output of ferro-alloys totalled 16,161 tons in April compared with 15,201 tons in March and 13,989 tons in April of a year ago. This month's total was made up of eight main grades, listed according to tonnage as follows: ferrosilicon, spiegeleisen, ferrochrome, ferromanganese, silicomanganese, calcium silicon, ferro-phosphorus and calcium manganese silicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and steel castings amounted to 200,680 tons in April compared with 195,481 in the previous month and 153,451 tons in April, 1940. This month's output included 130,173 tons of steel ingots and 10,501 tons of steel castings.

For the four months ending April, 755,162 tons of steel ingots and castings were produced, the comparative totals for the first four months of other years being reported at 617,616 tons in 1940 and 350,826 tons in 1939.

PRICES - Prices of iron and steel products held firm in April and the index remained at 107.6, its highest level since March, 1925. Further steps were taken to stabilize scrap prices by establishing maximum quotations for scrap iron. These became effective early in April and were as follows: No. 1 machinery cast, \$23.50; No. 2 cast, \$21.50 and stove plate, \$19.50 per ton f.o.b. delivery points. New regulations to restrict the use of steel in construction work other than for war purposes were also introduced by the Canadian Steel Controller during the month.

In the United States market, base prices on Lake Superior iron ore were re-established during the week of April 24 at the same levels as obtained in 1940. The summer price (April) of No. 1 foundry pig iron delivered at Montreal was \$27.00 per ton compared with the winter quotation (December-March) of \$28.00.

UNITED STATES PRODUCTION (From the "Iron Age") - Production of coke pig iron in the United States averaged 144,475 net tons a day during April, a loss of 7.9 per cent from the 156,304 average of March. On May 1, there were 195 furnaces in blast compared with 205 on April 1. Recovery from the effects of the coal strike has been quicker than expected and steel mills operated at 97.5 per cent of capacity, with indications that 100 per cent may be attained before the end of May.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - PRODUCTION DURING APRIL AND MARCH, 1941 (Tons of 2,240 pounds)

	APRIL, 1941			MARCH, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	83,557	476	84,033	80,787	...	80,787
Foundry .....	...	11,277	11,277	...	9,128	9,128
Malleable	289	7,727	8,016	358	11,765	12,123
TOTAL	83,846	12,480	103,326	81,145	20,893	102,038
Ferro-alloys .....	...	16,161	16,161	...	15,201	15,201

Table 2 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDING APRIL, 1941 and 1940

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	327,977	4,604	332,581	295,938	9,698	305,636
Foundry .....	...	33,690	33,690	99	32,857	32,956
Malleable	647	32,696	33,343	...	29,125	29,125
TOTAL	328,624	70,990	399,614	296,037	71,680	367,717
Ferro-alloys .....	...	58,084	58,084	...	37,344	37,344

Table 3 - IRON BLAST FURNACE CHARGES DURING APRIL, 1941 and MARCH, 1941 and FOUR MONTHS ENDING APRIL, 1941

		APRIL 1941	MARCH 1941	FOUR MONTHS ending APRIL, 1941
Unit				
Iron Ore	Long ton	182,111	180,030	711,040
Limestone	Short ton	46,945	47,599	188,907
Coke	Short ton	102,665	100,630	398,598

STEEL INGOTS AND CASTINGS

Table 4 - PRODUCTION DURING APRIL AND MARCH, 1941 (Tons of 2,240 pounds)

	APRIL, 1941			MARCH, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	169,634	9,574	179,208	169,850	10,253	180,103
Electric	10,971	...	10,971	8,001	...	8,001
Total Steel Ingots ...	180,605	9,574	190,179	177,851	10,253	188,104

STEEL INGOTS AND CASTINGS - (Concluded)

Table 4 - PRODUCTION DURING APRIL AND MARCH, 1940 (Con.) (Tons of 2,240 pounds)

	APRIL, 1941			MARCH, 1941		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL CASTINGS -						
Open hearth - Basic	255	2,056	2,311	205	2,033	2,238
Converter .....	...	148	148	...	160	160
Electric	1,679	6,363	8,042	1,777	3,202	4,979
Total Steel Castings	1,934	8,567	10,501	1,982	5,395	7,377
GRAND TOTAL	182,539	18,141	200,680	179,833	15,648	195,481

Table 5 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDING APRIL, 1941 and 1940

	1 9 4 1			1 9 4 0		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
	(Tons of 2,240 pounds)					
STEEL INGOTS -						
Open hearth - Basic	656,873	27,478	684,351	554,743	158	554,901
Electric	40,810	532	41,342	36,364	...	36,364
Total Steel Ingots	697,683	28,010	725,693	591,107	158	591,265
STEEL CASTINGS -						
Open hearth - Basic	868	6,280	7,148	1,007	7,679	8,686
Converter .....	...	679	679	...	440	440
Electric	6,571	15,071	21,642	3,865	13,360	17,225
Total Direct Steel Castings	7,439	22,030	29,469	4,872	21,479	26,351
GRAND TOTAL	705,122	50,040	755,162	595,979	21,637	617,616

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



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- 4 -

Table 7 - PRODUCTION OF PIG IRON, BY MONTHS AND BY PROVINCES, and STEEL INGOTS AND CASTINGS, BY MONTHS, 1940 and 1941 (In 1000's of long tons)

	P I G		I R O N		: S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA	
	1940	1941	1940	1941	1940	1941
January	34	36	71	67	105	103
February	23	29	64	62	87	91
March	34	33	58	69	92	102
April	31	34	53	69	84	103
Total - 4 Months ...	122	132	246	267	368	399
May	37		56		93	
June	33		56		89	
July	34		62		96	
August	34		55		89	
September	32		73		105	
October	35		74		109	
November	33		77		110	
December	35		75		110	
TOTAL	395		774		1,169	

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, Ontario	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	975
The Algoma Steel Corporation	Sault Ste. Marie, Ontario	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF APRIL, 1941

Condition of Furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	9	3,825	92.8
Banked .....	...	...	...
Blown out	1	300	7.2
Total Furnaces Reporting	10	4,125	100.0

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