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MONTHLY REPORT

PRODUCTION OF IRON AND STEEL IN CANADA

APRIL, 1940

PIG IRON - Production of pig iron in Canada during April totalled 84,210 long tons compared with 91,772 tons in the previous month and 46,254 tons in April, 1939. Output in the current month included 67,149 tons of basic iron, 12,683 tons of foundry iron and 4,378 tons of malleable iron.

Blast furnace charges in April included 7,757 long tons of Canadian ore, 182,217 long tons of imported ore, 43,525 short tons of limestone and 90,409 short tons of coke. During the first four months of this year, a total of 679,619 tons of ore, 170,115 tons of limestone and 385,865 tons of coke were charged to iron blast furnaces in Canada to make 367,717 tons of pig iron. In the first four months of 1939 the production of pig iron amounted to 185,970 tons.

FERRO-ALLOYS - Output of 13,989 tons of ferro-alloys in April marked a sharp increase over the 8,298 tons in March and the 4,284 tons reported for April of a year ago. This month's output included six different grades listed according to tonnage as follows - ferrosilicon, spiegeleisen, ferromanganese, silicomanganese, ferrochrome and silicospiegel.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings totalled 153,451 tons in April compared with 157,326 tons in March and 99,752 tons during the corresponding month of last year. This month's total included 147,378 tons of ingots and 6,073 tons of castings.

Cumulative production for the four months ending April amounted to 617,616 tons against 350,826 tons in the corresponding four months of 1939.

PRICES - Due chiefly to a slight decline in rolling mill products there was a minor recession in the Bureau's composite monthly index of iron and its products which eased from 102.5 in March to 102.4 in April. During the same interval a sub-group index for rolling mill products moved down from 109.3 to 109.0 led by price recessions for light cold rolled sheets, No. 20 U.S. gauge and boiler plate, 1/2" iron. Backlogs accumulated over the past few months coupled with new war orders kept Canadian steel mill operations at high levels in April. Reports were prevalent that there had been a sharp increase in iron and steel scrap imports in recent months largely from the United States, while turnings and borings were also being imported in quantity, it was stated. There was no change in No. 1 foundry pig iron at Montreal, prices remaining at \$27.50 per long ton.

UNITED STATES - (From the "Iron Age") Production of coke pig iron in the United States averaged 104,567 short tons a day in April, a drop of 0.9 per cent from the 105,500 tons a day in March. During the month, six furnaces were put in blast and one taken off, a net gain of five active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

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

	A P R I L, 1940			M A R C H, 1940		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	63,180	3,969	67,149	77,180	588	77,768
Foundry	99	12,584	12,683	...	4,168	4,168
Malleable .....	...	4,378	4,378	...	9,836	9,836
TOTAL	63,279	20,931	84,210	77,180	14,592	91,772
Ferro-alloys .....	...	13,989	13,989	...	8,298	8,298

Table 2 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ENDING APRIL, 1940 and 1939 (Tons of 2,240 pounds)

	1 9 4 0			1 9 3 9		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
PIG IRON -						
Basic	295,938	9,698	305,636	165,767	4,673	170,440
Foundry	99	32,857	32,956	...	12,149	12,149
Malleable .....	...	29,125	29,125	...	3,381	3,381
TOTAL	296,037	71,680	367,717	165,767	20,203	185,970
Ferro-alloys .....	...	37,844	37,844	...	15,964	15,964

Table 3 - IRON BLAST FURNACE CHARGES DURING APRIL and MARCH, 1940 and FOUR MONTHS ENDING APRIL, 1940

	Unit	APRIL	MARCH(x)	FOUR MONTHS
Iron ore	Long ton	189,974	156,002	679,619
Limestone	Short ton	43,525	42,295	170,115
Coke	Short ton	90,409	38,108	385,865

(b) STEEL INGOTS AND CASTINGS

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

	A P R I L			M A R C H		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
STEEL INGOTS -						
Open hearth - Basic	137,920	...	137,920	142,762	53	142,815
Electric	9,458	...	9,458	7,722	...	7,722
Other .....	...	...	...	...	...	...
Total Steel Ingots	147,378	...	147,378	150,484	53	150,537
STEEL CASTINGS -						
Open hearth - Basic	269	1,477	1,746	243	1,819	2,062
Converter .....	...	114	114	...	97	97
Electric	1,089	3,124	4,213	1,064	3,566	4,630
Total Direct Steel Castings	1,358	4,715	6,073	1,307	5,482	6,789
GRAND TOTAL	148,736	4,715	153,451	151,791	5,535	157,326

Table 5 - CUMULATIVE PRODUCTION FOR THE FOUR MONTHS ending APRIL, 1940 and 1939

	1	9	4	0	1	9	3	9
	For own	For		TOTAL	For own	For		TOTAL
	use	sale			use	sale		
STEEL INGOTS -								
Open hearth - Basic	554,743	158		554,901	322,700	266		322,966
Electric	36,364	...		36,364	13,013	...		13,013
Other .....	...	...		...	...	...		...
Total Steel Ingots	591,107	158		591,265	335,713	266		335,979
STEEL CASTINGS -								
Open hearth - Basic	1,007	7,679		8,686	638	3,412		4,050
Converter .....	...	440		440	...	156		156
Electric	3,865	13,360		17,225	2,372	8,269		10,641
Total Direct Steel Castings	4,872	21,479		26,351	3,010	11,837		14,847
GRAND TOTAL	595,979	21,637		617,616	338,723	12,103		350,826

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
April	19	31	27	53	46	84	100	153
Total - 4 Months	60	122	126	246	186	368	351	617
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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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 APRIL, 1940

Condition of furnaces	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	8	3,025	76
Banked .....	..	...	..
Blown out	2	950	24
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.