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MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA

APRIL, 1935.

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PIG IRON - Production of pig iron during the month of April was reported at 43,388 long tons. This tonnage was slightly below the March total of 44,727 tons but was 59 per cent above the 27,355 tons made in April, 1934. Output of basic iron was higher at 39,850 tons in April compared with 30,082 tons in March but the malleable grade declined to 3,538 tons from 7,378 tons. No foundry iron was made during April compared with 7,267 tons in March.

Furnace charges during April included 76,888 long tons of imported iron ore, 20,425 short tons of limestone and 40,942 tons of coke. The same furnaces were in blast during April as in the previous month.

For the four months ending April pig iron production totalled 169,790 tons, an advance of 106 per cent over the corresponding figure of 82,332 tons for last year.

FERRO-ALLOYS - Output of ferro-alloys during April amounted to 5,147 tons, a gain of 90 per cent over the March total of 2,715 tons. Production in April of a year ago was given at 2,162 tons.

STEEL INGOTS AND CASTINGS - Steel production showed a gain in April to 68,530 long tons from 57,840 tons in March. Ingots advanced to 65,889 tons from 56,071 tons and castings to 2,641 tons from 1,769 tons in the previous month. The tonnage for April of this year was about 3 per cent below the total of 70,363 tons for the corresponding month of last year.

For the first four months of this year the cumulative output of steel amounted to 241,902 tons compared with 262,072 tons for the corresponding period of 1934.

PRICES - Prices of iron and steel products remained comparatively firm. The volume of business done showed an appreciable increase but demand continued to be for small spot tonnages. As formerly, the automobile and the mining industries supplied the bulk of orders, but a minor gain was shown in building trade and repair needs. Various other industries such as machine and boiler shops, and textile, paper and other mills furnished steady outlets for small amounts throughout the month. The Dominion Bureau of Statistics index of wholesale prices of Iron and Its Products moved down from 87.6 in March to 87.3 in April, due chiefly to reductions in the prices of pipe and steel sheets. No. 1 foundry pig iron was quoted at \$23.00 per gross ton delivered at Montreal and at \$21.50 per gross ton delivered at Toronto. No. 2 foundry pig iron was \$22.50 and \$21.00 per gross ton at these respective centres.

UNITED STATES - Pig iron production in the United States averaged 55,470 tons per day, a decline of 2.8 per cent from the March average of 57,098 tons per day. Ninety-seven furnaces were in blast on May 1st as against 98 on April 1st, a net loss of one active furnace.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production during April and March, 1935. (Tons of 2,240 lb.)

Item	A P R I L, 1935			M A R C H, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>Pig Iron -</u>						
Basic	39,850	...	39,850	30,082	...	30,082
Foundry .....	...	...	...	...	7,267	7,267
Malleable .....	...	3,538	3,538	...	7,378	7,378
TOTAL	39,850	3,538	43,388	30,082	14,645	44,727
Ferro-alloys .....	...	5,147	5,147	...	2,715	2,715

Table 2 - Cumulative Production for the Four Months ending April, 1935 and 1934.
(Tons of 2,240 lb.)

Item	1 9 3 5			1 9 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>Pig Iron -</u>						
Basic	126,434	38	126,472	63,542	...	63,542
Foundry .....	...	27,749	27,749	...	8,358	8,358
Malleable	138	15,431	15,569	277	10,155	10,432
TOTAL	126,572	43,218	169,790	63,819	18,513	82,332
Ferro-alloys .....	...	13,369	13,369	...	7,009	7,009

Table 3 - Iron Blast Furnace Charges, APRIL, MARCH, and YEAR TO DATE, 1935.

	APRIL 1935	MARCH 1935	YEAR TO DATE
Imported iron ore long tons	76,888	82,157	300,719
Canadian limestone short ton	7,087	7,882	30,064
Imported limestone short ton	13,338	13,955	51,116
Coke made in Canada -			
From Canadian coal short ton	17,203	18,488	72,433
From imported coal short ton	23,739	26,003	86,266
Imported coke short ton	...	...	9,152

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for April and March, 1935. (Tons of 2,240 lb.)

Item	A P R I L, 1935			M A R C H, 1935		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	63,109	...	63,109	53,516	51	53,567
Acid .....	...	...	...	...	...	...
Electric	2,780	...	2,780	2,504	...	2,504
Other .....	...	...	...	...	...	...
Total Steel Ingots	65,889	...	65,889	56,020	51	56,071
<u>STEEL CASTINGS</u>						
Open hearth - Basic	133	627	760	87	520	607
Acid .....	...	...	...	...	...	...
Bessemer .....	...	42	42	...	42	42
Electric	451	1,388	1,839	29	1,091	1,120
Total Direct Steel Castings ..	584	2,057	2,641	116	1,653	1,769
GRAND TOTAL	66,473	2,057	68,530	56,136	1,704	57,840

Table 5 - Cumulative Production for the Four Months ending April, 1935 and 1934.

Item	1 9 3 5			1 9 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	224,804	158	224,962	248,159	...	248,159
Acid .....	...	...	...	...	...	...
Electric	8,931	...	8,931	6,734	...	6,734
Other .....	...	...	...	864	...	864
Total Steel Ingots	233,735	158	233,893	255,757	...	255,757
<u>STEEL CASTINGS</u>						
Open hearth - Basic	480	1,969	2,449	377	1,629	2,006
Acid .....	...	...	...	...	...	...
Bessemer .....	...	198	198	...	145	145
Electric	568	4,794	5,362	133	4,031	4,164
Total Direct Steel Castings ..	1,048	6,961	8,009	510	5,805	6,315
GRAND TOTAL	234,783	7,119	241,902	256,267	5,805	262,072

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada, 1916 - 1934. (In 1000's of long tons)

Years	Monthly Average		Years	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1926	63	64
1917	87	130	1927	59	76
1918	89	140	1928	86	103
1919	68	77	1929	91	115
1920	81	92	1930	62	84
1921	50	56	1931	36	56
1922	32	40	1932	12	29
1923	73	74	1933	19	34
1924	49	54	1934	34	63
1925	48	63			

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings, by Months, in Canada, 1934 and 1935. (In 1000's of long tons)

Months	P I G I R O N				S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1934	1935	1934	1935	1934	1935	1934	1935
January	12	17	19	27	31	44	61	60
February .....	..	16	12	21	12	37	58	56
March .....	..	17	12	28	12	45	73	58
April .....	..	16	27	27	27	43	70	69
May	9		29		38		71	
June	15		22		37		64	
July	15		22		37		67	
August	16		26		42		64	
September	17		26		43		57	
October	18		29		47		58	
November	16		23		39		57	
December	17		25		42		59	
TOTAL	135	66	272	103	407	169	759	243
Monthly Average ...	11	17	23	25	34	42	63	61

Table 8 - Iron Blast Furnaces in Canada, 1935.

Name of Company	Location	Number of Stacks	Total Daily Capacity (long tons)
Dominion Steel & Coal Corp. Ltd.	Sydney, N.S.	4	1,450
Canadian Furnace Co. Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.	Hamilton, Ont.	2	825
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF APRIL, 1935.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,550	37
Banked .....	..	..	..
Blown out	8	2,675	63
Total Furnaces Reporting	11	4,225	100

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

