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## PRODUCTION OF IRON AND STEEL IN CANADA

Historical File Copy

## MAY, 1934.

Frank - - - - - -PIG IRON - Production of pig iron during May amounted to 38,189 long tons compared with 27,355 tons in April. This month's tonnage included 31,911 tons of basic iron. 5.425 tons of foundry iron and 853 tons of malleable iron. All of the basic iron was for use in the producing companies' steel plants while most of the foundry iron and all of the malleable iron was for sale.

For the first five months of 1934 the output of pig iron was 120,521 tons compared with 35,353 tons in the corresponding period of 1933.

Furnace charges during May included 67,458 long tons of imported iron ore, 22,429 short tons of limestone and 38,590 short tons of coke. Only 6,947 tons of the limestone was quarried in Canada, the remaining 15,482 tons being imported; 13,162 tons of the coke were made from Canadian coal while 25,428 tons were made in Canadian ovens from imported coal.

Three furnaces were in blast at the end of May, one at Hemilton, Ont., one at Sault Ste. Marie, Ont., and one at Sydney, N.S.; the furnace at Sydney was blown in early in May. These active furnaces had a capacity of 1,550 tons of pig iron per day and represented 37 per cent of the total capacity of all blast furnaces in Canada.

FERRO-ALLOYS - Ferro-alloy production totalled 2,556 long tons in May compared with 2,162 tons in April. This tonnage was made up of ferromanganese and ferrosilicon. For the year to date the output was 9,565 tons against 5,143 tons for last year.

STEEL INGOTS AND CASTINGS - Steel production during May was slightly higher than in April, the totals being 71,437 long tons and 70,363 tons, respectively. This month's output included 69,762 tons of ingots, all for use in the producers' rolling mills and 1,675 tons of castings of which 1,570 tons were intended for sale and 105 tons for use in the producing companies own shops.

During the first five months of this year the cumulative production of steel totalled 333,509 long tons compared with 98,862 tons for the corresponding period of last year.

PRICES - General firmness characterized the Canadian market for iron and steel products in May. A good volume of comparatively small order business was reported, and while trading was fairly active in all industries, the bulk of orders, as in the last few months, was for automobile and mining requirements. Mill operations were estimated at about 40-60 per cent capacity and foundries at approximately 40 per cent,

The Bureau's index number of wholesale prices of "Iron and Its Products" on the base 1926 - 100, rose fractionally from 87.2 to 87.4, principally because of price advances for steel sheets.

Quotations for foundry pig iron were the same as in the previous month. No. 1 foundry delivered at Montreal was \$23.00 and No. 2, \$22.50 per gross ton. These same grades, delivered at Toronto, were \$21.50 and \$21.00 per gross ton, respectively.

<u>UNITED STATES PRODUCTION</u> - In the United States production during May was at the rate of 65,900 tons per day. This rate was 14.5 per cent higher than in April and was the highest since April, 1931. Seven furnaces were blown in during May and one furnace was banked.

## (a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production for the Current and Preceding Month (Tons of 2,240 1b.)						
	M	A Y. 193	54	AP	RIL, 1	1934
Item	For own	For		For own	For	
	use	sale	TOTAL	use	sale	TOTAL
In blast furnace:-						
Basic	31,911	000	31,911	22,190	000	22,190
Foundry	49	5,376	5,425		446	446
Malleable	9.9.9	8.53	853		4,719	4,719
TOTAL	31,960	6,229	38,189	22,190	5,165	27,355
	0.000		the second se	and the second day of		and the second sec
		2,556	2,556		2,162	2,162
Ferro-alloys	C					
Ferro-alloys		2,556	2,556	• • •	2,162	2,162
		2,556 the Fi <b>ve</b> M	2,556	• • •	2,162	
Ferro-alloys Table 2 - Cumulative Produ	 action for 1	2,556 the Five M 9 3	2,556 Ionths end:	 ing May 1	2,162 (Tons of 9 3	2,162 2,240 lb.)
Ferro-alloys		2,556 the Fi <b>ve</b> M	2,556 Ionths end: 4	• • •	2,162 (Tons of 9 3	2,162 2,240 lb.)
Ferro-alloys Table 2 - Cumulative Produ	 netion for 1 For own	2,556 the Five M 9 3 For	2,556 Ionths end: 4	ing May I For own	2,162 (Tons of 9 3 For	2,162 2,240 lb.) 3
Ferro-alloys Table 2 - Cumulative Produ	 netion for 1 For own	2,556 the Five M 9 3 For	2,556 Ionths end: 4	ing May I For own	2,162 (Tons of 9 3 For	2,162 2,240 lb.) 3
Ferro-alloys Table 2 - Cumulative Produ Item	 netion for 1 For own	2,556 the Five M 9 3 For	2,556 Ionths end: 4	ing May I For own	2,162 (Tons of 9 3 For	2,162 2,240 lb.) 3
Ferro-alloys <u>Table 2 - Cumulative Produ</u> Item <u>In blast furnace</u> :- Basic	 action for 1 For own use	2,556 the Five M 9 3 For sale	2,556 <u>Aonths end:</u> 4 TOTAL 95,453	ing May I For own use	2,162 (Tons of 9 3 For sale	2,162 2,240 lb.) 3 TOTAL
Ferro-alloys <u>Table 2 - Cumulative Produ</u> Item <u>In blast furnace</u> :-	 netion for 1 For own use 95,453	2,556 the Five M 9 3 For sale	2,556 Months end: 4 TOTAL	ing May I For own use 33,603	2,162 (Tons of 9 3 For sale	2,162 2,240 lb.) 3 TOTAL 33,603

Table 3 - Iron	n Blast F	urnace (	Charges.	May.	April,	and Year	to Date.

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Ferro-alloys .....

	May 1934	<b>A</b> pril 1934	Year to Date
Imported iron ore long ton Canadian limestone short ton Imported limestone short ton	67,458 6,947 15,482	48,322 6,937 5,665	211,989 20,295 47,520
Coke made in Canada - From Canadian coal short ton From imported coal short ton Imported coke short ton	13,162 25,428 	24,317	28,146 94,578 

9,565

9,565

5,143

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5,143

Table 4 - Production for the Cur		and Pred	ceding Mont			
	<u>A M</u>	Y <u>, 19</u>	34	APRI	[L. 19	934
Item	For own	For		For own	For	
	use	sale	TOTAL	use	sale	TOTAL
STEEL INGOTS						
Open hearth - Basic	65,510		65,510	65,971		65,971
Acid						
Electric	2,670		2,670	1,898		1,898
Other	1,582		1,582	864		864
Total Steel Ingots	69,762		69,762	68,733		68,733
STEEL CASTINGS						
Open hearth - Basic	91	403	494	96	345	441
Bessemer		30	30		34	34
Electric	14	1,137	1,151	25	1,130	1,155
Total Direct Steel Castings .	105	1,570	1,675	121	1,509	1,630
GRAND TOTAL	69,867	1.570	71,437	68.854	1,509	70,363
Table 5 - Cumulative Production	for the Fi	ve Month:	s ending Ma	av.		
Table 5 - Cumulative Production	for the Fi 1	ve Month: 9 3		ay. 1	9 3	3
Table 5 - Cumulative Production	for the Fi 1 For own		s ending Ma 4		9 3 For	3
	1	9 3		1	the second s	3 TOTAL
	1 For own	9 3 For	4	1 For own	For	
	1 For own	9 3 For	4	1 For own	For	
Item	1 For own	9 3 For	4	1 For own	For	
Item STEEL INGOTS	For own use	9 3 For sale	4 TOTAL	1 For own use	For sale	TOTAL
Item <u>STEEL INGOTS</u> Open hearth - Basic	1 For own use 313,669	9 3 For sale	4 TOTAL 313,669	1 For own use 83,989	For sale 30	<u>TOTAL</u> 84,019
Item <u>STEEL INGOTS</u> Open hearth - Basic Acid	1 For own use 313,669 9,404 2,446	9 3 For sale	4 TOTAL 313,669  9,404 2,446	1 For own use 83,989	For <u>sale</u> 30	TOTAL 84,019 8,193
Item <u>STEEL INGOTS</u> Open hearth - Basic Acid	1 For own use 313,669 9,404	9 3 For sale	4 TOTAL 313,669 9,404	1 For own use 83,989 8,193	For <u>sale</u> 30 	TOTAL 84,019 8,193
Item <u>STEEL INGOTS</u> Open hearth - BasicAcid Electric Other	1 For own use 313,669 9,404 2,446	9 3 For sale	4 TOTAL 313,669  9,404 2,446	1 For own use 83,989 8,193	For sale 30	TOTAL 84,019 8,193
Item <u>STEEL INGOTS</u> Open hearth - BasicAcid ElectricOtherTotal Steel Ingots	1 For own use 313,669  9,404 2,446 325,519	9 3 For sale	4 TOTAL 313,669  9,404 2,446 325,519	1 For own use 83,989 8,193  92,182	For sale 30   30	TOTAL 84,019 8,193 92,212
Item           STEEL INGOTS           Open hearth - Basic           Acid           Electric           Other           Total Steel Ingots           STEEL CASTINGS           Open hearth - Basic	1 For own use 313,669 9,404 2,446 325,519 468	9 3 For sale	4 TOTAL 313,669 9,404 2,446 325,519 2,500	1 For own use 83,989 8,193  92,182 36	For sale 30  30 2,034	TOTAL 84,019 8,193 92,212 2,070
Item           STEEL INGOTS           Open hearth - Basic           Acid           Electric           Other           Total Steel Ingots           STEEL CASTINGS           Open hearth - Basic           Acid	1 For own use 313,669 9,404 2,446 325,519 468 	9 3 For sale   2,032	4 TOTAL 313,669 9,404 2,446 325,519 2,500 	1 For own use 83,989 8,193  92,182 36	For sale 30  30 2,034 	TOTAL 84,019 8,193 92,212 2,070
Item           STEEL INGOTS           Open hearth - Basic           Acid           Electric           Other           Total Steel Ingots           STEEL CASTINGS           Open hearth - Basic           Acid	1 For own use 313,669 9,404 2,446 325,519 468 	9 3 For sale  2,032  175	4 TOTAL 313,669 9,404 2,446 325,519 2,500  175	1 For own use 83,989 8,193  92,182 36  7	For sale 30  30 2,034  97	TOTAL 84,019 8,193 92,212 2,070  104
Item           STEEL INGOTS           Open hearth - Basic           Acid           Electric           Other           Total Steel Ingots           STEEL CASTINGS           Open hearth - Basic           Acid           Bessemer           Electric	1 For own use 313,669 9,404 2,446 325,519 468  147	9 3 For sale  2,032  175 5,168	4 TOTAL 313,669 9,404 2,446 325,519 2,500  175 5,315	1 For own use 83,989 8,193  92,182 36  7 160	For sale 30  30 2,034  97 4,316	TOTAL 84,019 8,193 92,212 2,070  104 4,476
Item           STEEL INGOTS           Open hearth - Basic           Acid           Electric           Other           Total Steel Ingots           STEEL CASTINGS           Open hearth - Basic           Acid	1 For own use 313,669 9,404 2,446 325,519 468 	9 3 For sale  2,032  175	4 TOTAL 313,669 9,404 2,446 325,519 2,500  175	1 For own use 83,989 8,193  92,182 36  7	For sale 30  30 2,034  97	TOTAL 84,019 8,193 92,212 2,070  104

(b) STEEL INCOTS AND DIRECT CASTINGS

Table 6 - Average Monthly Production of Pig Iron, Steel Ingots and Castings in Canada,1916 - 1932. (In 1000's of long tons)

	Monthly	Average		Monthly	Average
	Iron	Steel		Iron	Steel
1916	87	106	1925	48	63
1917	87	130	1926	63	64
1918	89	140	1927	59	76
1919	68	77	1928	86	103
1920	81	92	1929	91	115
921	50	56	1930	62	84
1922	32	40	1931	36	56
923	73	74	1932	12	29
924	49	54			

Castings by M	lonths in	Canada,	1933 and	1934.	(In 100	0's of :	long tons	)
		PI	GI	RO	N		STE	EL
Months	NOVA S	SCOTIA	ONTAR	IO	TOTAL	CANADA	TOTAL	CANADA
	1933	1934	1933	1934	1933	1934	1933	1934
January	16	12	13	19	29	31	41	61
February	6	0 0		12	6	12	12	58
March				12	00	12	11	73
April				27		27	12	- 70
May		9	00	29			23	71
June	1		0 0		1		32	
July	16		16		32		49	
August	16		19		35		49	
September	16		15		31		38	
October	17		10		27		48	
November	16		14		30		43	
December	15		23		38		50	
TOTAL	119	21	110	99	229	120	408	333
Monthly Average	10	4	9	20	19	24	34	67
Table 8 - Iron Blast Fu	urnaces in	n Canada	, 1933.					
							Total	Daily
Name of Company			Location		Number	r of	Capac	ity
					Stack	3	(Long	tons)
			37 . 77					20

Table 7 - Production of Pig Iron by Months and by Provinces, and Steel Ingots and Castings by Months in Canada, 1933 and 1934. (In 1000's of long tons)

-4-

		Stacks	(Long tons)
British Empire Steel 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 Corp. Ltd.	Sault Ste. Marie, Ont	• 4	1,600

Table 9 - Description of Furnaces at end of May, 19	34.		
Condition of furnace	Number of furnaces	Total Dail Long tons	y Capacity Per cent
In blast	3	1,550	37
Banked		2,675	63
Total Furnaces Reporting	11	4,225	100

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

