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DOMENTON BUREAU

DOMINION BUREAU OF STATISTICS - CANADA Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

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PRODUCTION OF IRON AND STEEL IN CANADA Misignical File Cory

JUNE, 1933.

PIG IRON - Production of pig iron in Canada amounted to 857 long tons in June. This was the first pig iron made in Canada since February 14, 1933. The 2 active furnaces had a daily capacity of 900 tons, one 350-ton furnace going into blast at Port Colborne, Ontario, on June 26, and one 550-ton furnace being blown in at Sydney. N.S., on June 28.

FERRO-ALLOYS - Output of ferro-alloys in Canada during June at 910 tons represented a decline of 12 per cent from the 1,030 tons of May. For the six months ending June production totalled 6,078 tons as compared with 8,759 tons made during the corresponding period of a year ago. This half-year's output was largely made up of spiegeleisen, the balance being ferrosilicon.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada at 51,602 tons in June was the second best monthly total reported for the year to date, being only exceeded by the 40,766 tons of January, and represented an increase of 37 per cent over the 23,126 tons of May. The June figures included 30,576 tons of steel ingots made for the further use of the producers and 1,026 tons of steel castings, most of which were made for sale.

For the first six months of this year the output of primary steel totalled 130,464 tons as compared with 180,488 tons and 461,877 tons produced the first half of 1932 and 1931, respectively.

PRICES - Although no price increases were recorded in iron and steel products. some improvement in the industry was noted, Orders continued to be mostly for small spot tonnages but indications pointed to higher operating schedules. The Dominion Bureau of Statistics index number of wholesale prices of "Iron and Its Products" moved down from 84.5 in May to 84.2 in June. This decline was due mainly to lower prices for foundry pig iron, and for hot rolled and annealed steal sheets. No. 1 foundry pig iron fell from \$23.00 in May to \$22.00 per long ton, delivered at Montreal, and from \$21.50 to \$20.50 per long ton delivered at Toronto. No. 2 foundry pig iron moved down \$1.00 to \$22.00 and \$20.00 per long ton delivered at these respective centres.

UNITED STATES - Conditions in the iron and steel industry of the United States. often the forerunner of similar conditions in Canada, showed a marked improvement in June over May. The daily rate of pig iron production at 42,166 tons was 47.3 per cent over the average of 28,621 tons a day in the previous month. The rate of output in June, 1933, was the highest for any month since the average of 47,201 tons a day in July, 1931. During the month twenty-seven furnaces were blown in and mone taken off blast

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Table 1 - PRODUCTION FOR			Andrea Printerior and Anna Printerior	A STATE OF THE OWNER, WHEN PARTY AND PROPERTY OF THE PARTY AND PARTY.		f 2,240 lt	the same of the sa
	J		N E,	1933	MA	Y, 1933	
Item	For own		or ale	TOTAL	For own use	For sale	TOTAL
				a per atmospherical seguine se			
In blast furnaces	0.55			0.55			
Basic	857		0 0 0	857	0 0 0		9 0 0
Malleable			008	5 0 5 21 0 0	0 0 0	0 0 0	* 6 D
TOTAL	857			857	NC	PRODUCTI	ON
Ferro-alloys	200	~~~~	910	910	6	1,030	1,030
Table 2 - CUMULATIVE PRO	ODUCTION 1	FOR TH	E SIX	MONTHS ENDING	JUNE (To	ns of 2,240	1b.)
	1	9	3	3	1		2
Item	For own		For		For own	For	
	use		sale	TOTAL	use	sale	TOTAL
In blank furmana							
In blast furnace: - Basic	34,460		. 40	34,460	48,221		48,221
Foundry	01,100		500	500	111	15,043	15,154
Malleable	5 0 1	1	, 250	1,250	6 3 3	13,826	13,826
TOTAL	34,460		,750	36,210	48,332	28,869	77,201
Ferro-alloys	1 6 0	6	,078	6,078	0 • ¢	8,759	8,759
Table 3 - BLAST FURNACE	CHARGES,	J-UNE,	MAY,	AND YEAR TO I	ATE, 1933.		
				JUNE, 193		19 33 YE	AR TO DAT
Imported iron ore		long	tons	2,497		6	62,713
Canadian limestone					<i>u</i> •		
Imported limestone		short	tons	928	9 .		22,167
					9 6		Why IVI
Coke made in Canada -				an order			
Coke made in Canada - From Canadian coal		short	tons	1,176			28,272
Coke made in Canada - From Canadian coal From imported coal	0 0 0 0 0 0 0 0	short	tons	1,176	• •		28,272 11,073
Coke made in Canada - From Canadian coal	0 0 0 0 0 0 0 0	short	tons	1,176	• •		28,272
Coke made in Canada - From Canadian coal From imported coal		short short	tons tons tons	1,176	• •		28,272 11,073
Coke made in Canada - From Canadian coal From imported coal Imported coke	(b)	short short STEEL	tons tons tons	1,176 1,069 S AND DIRECT	CASTINGS		28,272 11,073 1,069
Coke made in Canada - From Canadian coal From imported coal Imported coke	(b)	short short short	tons tons tons	1,176 1,069 S AND DIRECT	CASTINGS	ns of 2,24	28,272 11,073 1,069
Coke made in Canada - From Canadian coal From imported coal Imported coke	(b) R THE CUF	short short STEEL RENT M	tons tons tons INCOT	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933	CASTINGS MONTH (Top M For own	ns of 2,24 A Y, For	28,272 11,073 1,069 0 1b.)
Coke made in Canada - From Canadian coal From imported coal Imported coke	(b)	short short STEEL RENT M	tons tons tons INCOT	1,176 1,069 S AND DIRECT ND PRECEDING	CASTINGS MONTH (Total	ns of 2,24 A Y,	28,272 11,073 1,069
Coke made in Canada - From Canadian coal From imported coal Imported coke Table 4 - PRODUCTION FOR	(b) R THE CUF	short short STEEL RENT M	tons tons tons INCOT	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933	CASTINGS MONTH (Top M For own	ns of 2,24 A Y, For	28,272 11,073 1,069 0 1b.)
Coke made in Canada - From Canadian coal From imported coal Imported coke Table 4 - PRODUCTION FOR	(b) R THE CURS	short short STEEL STEEL RENT M	tons tons tons INCOT	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL	CASTINGS MONTH (Tom M For own use	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933
Coke made in Canada - From Canadian coal From imported coal Imported coke Table 4 - PRODUCTION FOR	(b) R THE CURY For a use	short short STEEL RENT M J own	tons tons tons INCOT	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL	CASTINGS MONTH (Top M For own use	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL
Coke made in Canada - From Canadian coal From imported coal Imported coke Table 4 - PRODUCTION FOR Item STEEL INGOTS Open hearth - Basic	(b) R THE CURY For a	short short STEEL STEEL RENT M	tons tons tons INCOT	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578	CASTINGS MONTH (Tom M For own use	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Electric	(b) R THE CUFS For a	short short STEEL RENT M J own e	tons tons tons INGOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998	CASTINGS MONTH (Top M For own use	as of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL 19,05
Coke made in Canada - From Canadian coal From imported coal Imported coke Table 4 - PRODUCTION FOR Item STEEL INGOTS Open hearth - Basic Acid	(b) R THE CUFS For a	short short STEEL RENT M J own e	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998	CASTINGS MONTH (Tom M For own use 19,056 2,843	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL 19,05
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Electric	(b) R THE CUFS For a	short short STEEL RENT M J own e	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998	CASTINGS MONTH (Top M For own use 19,056 2,843	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.)
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Electric	For use	short short STEEL RENT M J own e	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998	CASTINGS MONTH (Top M For own use 19,056 2,843	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL 19,05
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Electric	(b) R THE CUFS For (use)	short short STEEL RENT M J own e	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998 30,576	CASTINGS MONTH (Top M For own use 19,056 2,843 21,899	as of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL 19,05 2,84
Coke made in Canada — From Canadian coal From imported coal Imported coke Fable 4 — PRODUCTION FOR STEEL INGOTS Open hearth — Basic Acid Electric TOTAL STEEL INGOTS Open hearth — Basic Acid STEEL CASTINGS Open hearth — Basic Acid Bessemer	(b) R THE CURN For a use	short short STEEL RENT M J own e , 578	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998 30,576	CASTINGS MONTH (Tor M For own use 19,056 2,843 21,899	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b ₀) 1933 TOTAL 19,05 2,84 21,88
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Flectric	(b) R THE CURN For a use	short short STEEL RENT M J own e	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998 30,576	CASTINGS MONTH (Tor M For own use 19,056 2,843 21,899	as of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL 19,05 2,84 21,88
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Electric	For use	short short STEEL RENT M J own e , 578 998	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933. TOTAL 29,578 998 30,576 251 21 754	CASTINGS MONTH (Top M For own use 19,056 2,843 21,899	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b.) 1933 TOTAL 19,05 2,84 21,88
Coke made in Canada — From Canadian coal From imported coal Imported coke Table 4 — PRODUCTION FOR Item STEEL INGOTS Open hearth — Basic Acid Flectric	For auso	short short STEEL RENT M J own e , 578	tons tons tons INCOT ONTH A U N For sale	1,176 1,069 S AND DIRECT ND PRECEDING E, 1933 TOTAL 29,578 998 30,576 251 21 754 1,026	CASTINGS MONTH (Tor M For own use 19,056 2,843 21,899	ns of 2,24 A Y, For sale	28,272 11,073 1,069 0 1b ₀) 1933 TOTAL 19,05 2,84 21,88

	1	9 3	3	1	9 3	2
Item	For own	For		For own	For	If the second
	use	sale	TOTAL	use	sale	TOTAL
STEEL INGOTS						
Open hearth - Basic	113,567	30	113,597	163,695	512	164,207
Acid	0 + +				0 * *	
Electric	9,191	0 0 0	9,191	10,149		10,149
Other			0 e e	0 0 0	0 * *	• • •
TOTAL STEEL INGOTS	122,758	3 0	122,788	173,844	512	174,356
STEEL CASTINGS						
Open hearth - Basic	57	2,264	2,321	508	1,567	1,675
Acid	. 0 2	0	0			
Bessemer	7	118	125	66	435	501
Electric	169	5,061	5,230	233	3,723	3,956
TOTAL DIRECT STEEL						
CASTINGS	233	7,443	7,676	607	5,525	6,132
GRAND TOTAL	122,991	7,473	130,464	174,451	6,037	180,488

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA,

1916 - 1931. (In 1000's of Long Tons)

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

Table 7 - PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND CASTINGS BY MONTHS IN CANADA, 1932 and 1933. (In 1000's of Long Tons)

The gradient of the control of the c	P	I G	I R	ON			S T E	
Months	NOVA S	SCOTIA	ONT		TOTAL	CANADA		CANADA
	1932	1933	1932	1933	1932	1933	1932	1933
January	U + 0	16	10	13	10	29	25	41
February	0 0 0	6	11	0 0 0	11	6	28	12
March			18	0 0 0	18	0 • 0	44	11
April	000	0 6 0	17	0 + +	17	000	36	12
May	200		13	(+ > 3	13	0 4 9	29	23
June	0 0 0	1	8	2 2 2	8	1	18	52
July	000		7		7		28	
August	0 0 0		6		6		27	
September	0 0 0		6		6		23	
October	0 0 0		7		7		17	
November	14		000		14		37	
December	16		11		27		31	
TOTAL	30	25	114	13	144	36	343	131
MONTHLY AVERAGE	2	4	10	2	12	6	29	22

Table 8 - BLAST FURNACES IN CANADA, 1933.

Name of Company	Location	Number of Stacks	TOTAL DAILY CAPACITY (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, On	nt. 4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF JUNE, 1933.

Condition of furnace	Number of furnaces	Total Daily Long tons	
In blast	2	900	21
Banked	1	450	11
Blown out	8	2,875	68
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.

