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OF STATISTICS
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Mining, Metallurgical and Chemical Branch
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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 31,602 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 steel 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 none taken off blast.

(a) PIG IRON AND FERRO-ALLOYS IN CANADA.

Table 1 - PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2,240 lb.)

Item	J U N E, 1933			M A Y, 1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
In blast furnace:-						
Basic	857	...	857	...	...	...
Foundry .....	...	...	...	...	...	...
Malleable .....	...	...	...	...	...	...
TOTAL	857	...	857	NO	PRODUCTION	
Ferro-alloys .....	...	910	910	...	1,030	1,030

Table 2 - CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDING JUNE (Tons of 2,240 lb.)

Item	1 9 3 3			1 9 3 2		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
In blast furnace:-						
Basic	34,460	...	34,460	48,221	...	48,221
Foundry .....	...	500	500	111	15,043	15,154
Malleable .....	...	1,250	1,250	...	13,826	13,826
TOTAL	34,460	1,750	36,210	48,332	28,869	77,201
Ferro-alloys .....	...	6,078	6,078	...	8,759	8,759

Table 3 - BLAST FURNACE CHARGES, JUNE, MAY, AND YEAR TO DATE, 1933.

	JUNE, 1933	MAY, 1933	YEAR TO DATE
Imported iron ore	long tons 2,497	...	62,713
Canadian limestone	short tons ...	...	...
Imported limestone	short tons 928	...	22,167
Coke made in Canada -			
From Canadian coal	short tons 1,176	...	28,272
From imported coal	short tons ...	...	11,073
Imported coke	short tons 1,069	...	1,069

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - PRODUCTION FOR THE CURRENT MONTH AND PRECEDING MONTH (Tons of 2,240 lb.)

Item	J U N E, 1933			M A Y, 1933		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	29,578	...	29,578	19,056	...	19,056
Acid .....	...	...	...	...	...	...
Electric	998	...	998	2,843	...	2,843
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS	30,576	...	30,576	21,899	...	21,889
<u>STEEL CASTINGS</u>						
Open hearth - Basic	21	230	251	12	293	305
Acid .....	...	...	...	...	...	...
Bessemer .....	...	21	21	...	26	26
Electric	9	745	754	8	888	896
TOTAL DIRECT STEEL CASTINGS	30	996	1,026	20	1,207	1,227
GRAND TOTAL	30,606	996	31,602	21,919	1,207	23,126

Table 5 - CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDING JUNE

Item	1	9	3	3	1	9	3	2
	For own use		For sale	TOTAL	For own use		For sale	TOTAL
STEEL INGOTS								
Open hearth - Basic	113,567		30	113,597	163,695		512	164,207
Acid .....	...		...	...	...		...	...
Electric	9,191		...	9,191	10,149		...	10,149
Other .....	...		...	...	...		...	...
TOTAL STEEL INGOTS	122,758		30	122,788	173,844		512	174,356
STEEL CASTINGS								
Open hearth - Basic	57	2,264		2,321	308	1,367		1,675
Acid .....	...	...		...	...	...		...
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)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		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)

Months	P I G		I R O N		S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1932	1933	1932	1933	1932	1933	1932	1933
January .....	...	16	10	13	10	29	25	41
February .....	...	6	11	...	11	6	28	12
March .....	...	...	18	...	18	...	44	11
April .....	...	...	17	...	17	...	36	12
May .....	...	...	13	...	13	...	29	23
June .....	...	1	8	...	8	1	18	32
July .....	...	...	7	...	7	...	28	...
August .....	...	...	6	...	6	...	27	...
September .....	...	...	6	...	6	...	23	...
October .....	...	...	7	...	7	...	17	...
November	14	...	...	...	14	...	37	...
December	16	...	11	...	27	...	31	...
TOTAL	30	23	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, Ont.	4	1,600

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

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
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.

