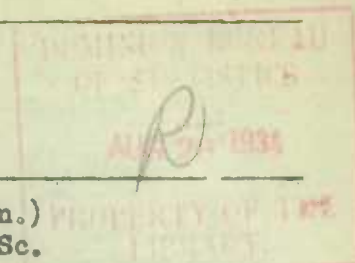


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PRODUCTION OF IRON AND STEEL IN CANADA

Historical File Copy

JULY, 1934

PIG IRON - Production of pig iron in Canada during July amounted to 36,759 tons, a decline in the daily rate of 58 tons as compared with the total for June of 37,306 tons. In July of a year ago output was reported at 31,689 tons.

The decline from the previous month was in the malleable grade which dropped to 2,800 tons from 4,199 tons, while basic iron advanced to 30,339 tons from 29,824 tons and foundry iron also showed an improvement to 3,620 tons from 3,283 tons.

Furnace charges during July included 66,359 long tons of imported iron ore, 19,210 short tons of limestone and 38,861 short tons of coke. Of the limestone, 7,543 tons were quarried in Canada and of the coke 17,997 tons were made in Canada from domestic coal and 16,046 tons from imported coal. The balance of the coke and the limestone was imported. For the year to date 343,661 tons of iron ore, 106,012 tons of limestone and 199,806 tons of coke were charged to blast furnaces in Canada to make 194,586 tons of pig iron.

On July 12th one 350 tons furnace at Port Colborne, Ont., was put in blast which, with those at Sydney, N.S., and Hamilton, Ont., made a total of 3 active furnaces on July 31. These stacks had a daily capacity of 1,450 tons a day or about 34 per cent of the total capacity of all the iron blast furnaces in Canada.

FERRO-ALLOYS - Output of ferro-alloys in Canada at 2,483 tons compares with 2,571 tons in the previous month and 1,266 tons in July, 1933.

STEEL INGOTS AND CASTINGS - Production of steel ingots and direct steel castings in Canada at 66,647 tons in July showed an improvement of 16 tons a day over the daily rate in June when the total amounted to 64,013 tons. The advance over the previous month was general to both ingots and castings, the ingots going to 64,740 tons from 62,294 tons and the castings to 1,907 tons from 1,719 tons.

For the seven months ending July 31, 1934, the cumulative production of primary steels totalled 464,169 tons as compared with 179,540 tons and 207,994 tons reported for the corresponding periods of 1933 and 1932, respectively.

PRICES - Scattered recessions in prices of iron and steel products were recorded while the volume of business done in July remained at the same level as in the previous month. Orders continued for small spot tonnages from a variety of sources. The greatest demand was furnished by the textile mills and the mining industry while building trades and railways were reported dull.

The Bureau's index number of wholesale prices of "Iron and Its Products" on the base 1926 = 100, fell from 87.5 in June to 87.1 in the following month, lower prices for scrap iron and steel being largely responsible for this decline.

Quotations for No. 1 and No. 2 foundry pig iron were the same as in the preceding month. The former was \$23.00 delivered at Montreal and \$21.50 per gross ton delivered at Toronto. The latter was quoted at \$22.50 and \$21.00 per gross ton at these respective centres.

UNITED STATES - In the United States the daily rate of pig iron production during July averaged 39,510 tons, a decline of 38.6 per cent from the June daily rate of 64,338 tons. The daily production last month was the lowest since January, which averaged 39,201 tons. During July 18 furnaces were blown out or banked and 4 blown in, a net decline of 14 active furnaces.

(a) PIG IRON AND FERRO-ALLOYS

Table 1 - Production for the Current and Preceding Month (Tons of 2,240 lb.)

Item	J U L Y, 1 9 3 4			J U N E, 1 9 3 4		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	30,539	...	30,539	29,824	...	29,824
Foundry .....	...	3,620	3,620	...	3,283	3,283
Malleable .....	...	2,800	2,800	...	4,199	4,199
TOTAL	30,539	6,420	36,759	29,824	7,482	37,306
Ferro-alloys .....	...	2,483	2,483	...	2,571	2,571

Table 2 - Cumulative Production for the Seven Months ending July (Tons of 2,240 lb.)

Item	1 9 3 4			1 9 3 3		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>In blast furnace:-</u>						
Basic	155,616	...	155,616	57,207	1,409	58,616
Foundry	49	20,637	20,686	...	4,722	4,722
Malleable .....	...	18,284	18,284	...	4,561	4,561
TOTAL	155,665	38,321	194,586	57,207	10,692	67,899
Ferro-alloys .....	...	14,619	14,619	...	7,366	7,366

Table 3 - Iron Blast Furnace Charges, July, June, and Year to Date.

	JULY 1934	JUNE 1934	Year to Date
Imported iron ore long ton	66,359	65,313	343,661
Canadian limestone short ton	7,543	7,195	35,033
Imported limestone short ton	11,667	11,792	70,979
<u>Coke made in Canada -</u>			
From Canadian coal short ton	17,997	17,943	64,086
From imported coal short ton	16,046	20,278	130,902
Imported coke short ton	4,818	...	4,818

(b) STEEL INGOTS AND DIRECT CASTINGS

Table 4 - Production for the Current Month and Preceding Month (Tons of 2,240 lb.)

Item	J U L Y, 1934			J U N E, 1934		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	62,553	...	62,553	60,284	54	60,338
Acid .....	...	...	...	...	...	...
Electric	2,187	...	2,187	1,956	...	1,956
Other .....	...	...	...	...	...	...
Total Steel Ingots	64,740	...	64,740	62,240	54	62,294
<u>STEEL CASTINGS</u>						
Open hearth - Basic	120	464	584	124	480	604
Acid .....	...	...	...	...	...	...
Bessemer .....	...	35	35	...	47	47
Electric	68	1,220	1,288	375	693	1,068
Total Direct Steel Castings..	188	1,719	1,907	499	1,220	1,719
GRAND TOTAL	64,928	1,719	66,647	62,739	1,274	64,013

Table 5 - Cumulative Production for the Seven Months ending July

Item	1 9 3 4				1 9 3 3			
	For own use	For sale	TOTAL		For own use	For sale	TOTAL	
<u>STEEL INGOTS</u>								
Open hearth - Basic(x)	438,952	54	439,006		160,550	30	160,580	
Acid .....	...	...	...		...	...	...
Electric (x)	13,547	...	13,547		10,198	...	10,198	
Other .....	...	...	...		...	...	...
Total Steel Ingots	452,499	54	452,553		170,748	30	170,778	
<u>STEEL CASTINGS</u>								
Open hearth - Basic	712	2,976	3,688		99	2,540	2,639	
Acid .....	...	...	...		...	...	...
Bessemer .....	...	257	257		7	128	135	
Electric	590	7,081	7,671		204	5,784	5,988	
Total Direct Steel Castings..	1,302	10,314	11,616		310	8,452	8,762	
GRAND TOTAL	453,801	10,368	464,169		171,058	8,482	179,540	

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
1921	50	56	1930	62	84
1922	32	40	1931	36	56
1923	73	74	1932	12	29
1924	49	54			

(x) Revised.

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)

Months	P I G		I R O N				S T E E L	
	NOVA SCOTIA		ONTARIO		TOTAL CANADA		TOTAL CANADA	
	1933	1934	1933	1934	1933	1934	1933	1934
January	16	12	13	19	29	51	41	61
February	6	..	..	12	6	12	12	58
March .....	..	..	..	12	..	12	11	73
April .....	..	..	..	27	..	27	12	70
May .....	..	9	..	29	..	38	23	71
June	1	15	..	22	1	37	32	64
July	16	15	16	22	32	37	49	67
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	51	110	143	229	194	408	464
Monthly Average	10	7	9	20	19	27	34	66

Table 8 - Iron 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 July, 1934.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	3	1,450	34
Banked	1	450	11
Blown out	7	2,325	55
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.

