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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JULY, 1927

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PRODUCTION OF IRON AND STEEL IN CANADA

July 1927

Production of pig iron during July amounted to 50,997 long tons. This output was 17 per cent less than the 69,437 tons made in the previous month and 14 per cent under the 67,232 tons reported for July of a year ago. Foundry iron output was well maintained but basic iron fell off sharply, while no malleable iron was made in July as compared with 6,354 tons in June. The output of 21,751 tons of foundry iron showed a slight gain over the 21,387 tons made in the previous month; 29,246 tons of basic iron were produced in July as against 41,696 tons in June.

For the seven months ending July 31 the cumulative production of pig iron was 454,710 tons, an increase of 4 per cent over the 438,096 tons produced in the corresponding period of last year and 46 per cent over the output during the first seven months of 1925. This year's output included 320,468 tons of basic iron, 107,730 tons of foundry iron and 26,512 tons of malleable iron.

As no additional furnaces were blown in during the month and none were blown out or banked, the same six furnaces were in blast on July 31 as at June 30. Active furnaces in July having a daily capacity of 2,375 long tons or 47 per cent of the total capacity of all blast furnaces in Canada were located at the following points: 2 at Sydney, N.S.; 2 at Hamilton, Ont.; and 2 at Sault Ste. Marie, Ont. During the month, charges to the six furnaces mentioned above included: 90,875 long tons of imported iron ore, 63,398 short tons of coke and 29,800 short tons of limestone.

Production of ferro-alloys in Canada amounted to 4,510 tons in July, a slight increase over the 4,418 tons in June. Two varieties of ferro-alloys were produced, one having a high manganese content and the other from 15 to 75 per cent silicon.

STEEL INGOTS AND CASTINGS

Production of steel ingots and castings in Canada during July reflected the lower output of pig iron by falling to 55,250 tons a decline of 8 per cent from the 59,940 tons of June which in turn was 39 per cent under the 96,711 tons of May. In July, 1926, production amounted to 64,847 tons. Compared with the preceding month, production in July of this year showed declines in steel ingots and direct steel castings; ingots dropped to 52,776 tons from 55,443 tons and castings to 2,474 tons from 4,497 tons.

For the first seven months of the year production of steel ingots and castings totalled 542,560 tons, a gain of 9 per cent over the 496,031 tons for the corresponding period of last year and 22 per cent over the 446,168 tons made during first seven months of 1925. This year's output included 515,169 tons of steel ingots and 27,391 tons of direct steel castings. All of the ingots and 13,585 tons of castings were made in basic open hearth furnaces, 1,319 tons of castings were cast direct from converters and 12,487 tons of castings were made in electric furnaces.

Pig iron prices were again unchanged in July. No. 1 foundry (2.25 to 2.75 silicon) at Montreal being still quoted at \$27.50 and No. 2 (1.75 to 2.25 silicon) at \$26.50. At Toronto, No. 1 foundry, was again \$24.80 and No. 2 foundry, \$24.30. The Bureau's index number for iron and its products (1913 prices=100) was practically stationary at 143.6 as compared with 143.5 in June.

In the United States production of pig iron during July was lower than in June. The daily production in July was 95,199 tons, a decrease 7,789 tons or 7.5 per cent from the June output of 102,988 tons per day. In June the decline was 5.8 per cent from May which in turn was 4.1 per cent under April. During July 14 furnaces were shut down and 6 blown in; a net loss of 8.

PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	JULY 1927			JUNE 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	29,164	82	29,246	39,768	1,928	41,696
Foundry.....	5,837	15,914	21,751	115	21,272	21,387
Malleable.....					6,354	6,354
TOTAL.....	35,001	15,996	50,997	39,883	29,554	69,437
Ferro-alloys.....		4,510	4,510		4,418	4,418

Table 2. CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY
(Tons of 2240 lb.)

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	311,851	8,617	320,468	287,811	9,908	297,719
Foundry.....	6,563	101,167	107,730	1,437	114,376	115,813
Malleable.....		26,512	26,512		24,564	24,564
TOTAL.....	318,414	136,296	454,7102	89,248	148,848	438,096
Ferro-alloys.....		33,244	33,244		20,782	20,782

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

	JULY	JUNE	YEAR TO DATE
Canadian Iron ore.....Long tons			
Imported Iron ore....." "	90,875	125,140	813,913
Coke.....Short tons	63,398	79,992	512,139
Limestone....." "	29,800	37,970	251,281

Table 8. BLAST FURNACES IN CANADA, 1927

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

Table 9. DESCRIPTION OF FURNACES AT END OF JULY

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,375	47
Banked	-	-	-
Blown out.....	9	2,650	53
Total furnaces reporting.....	15	5,025	100

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