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Monthly Report  
on  
**PRODUCTION OF IRON AND STEEL**  
in Canada

JULY 1929

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**PRODUCTION OF IRON AND STEEL IN CANADA**

**JULY 1929**

**PIG IRON.**— Production of coke pig iron in Canada during July amounted to 99,786 long tons, according to a statement published by the Dominion Bureau of Statistics at Ottawa. This output was the highest recorded for the current year and marked an advance of 11 per cent over the 89,873 tons produced in June, and a gain of 5 per cent over the total of 95,422 tons made in July a year ago. Compared with the figures for June, data for July showed an advance in the output of basic iron to 79,241 tons from 68,059 tons, and a slight drop in foundry iron output to 14,779 tons from 18,252 tons; production of malleable iron was little changed at 5,766 tons as against 5,562 tons.

For the seven months ending July 31, 1929, the cumulative production of pig iron in Canada was 618,343 tons an increase of 10 per cent over the total of 563,435 tons made during the corresponding period of 1928 which in turn was 24 per cent greater than the output of 454,710 tons produced during the first seven months of 1927. This year's output included 480,999 tons of basic iron, 101,831 tons of foundry iron and 35,513 tons of malleable.

Furnace charges during the month under review included 179,677 long tons of imported iron ore, 53,368 short tons of limestone and 102,407 short tons of coke. An analysis, based on sources of materials, showed that 41,382 tons of imported limestone and 11,986 tons of Canadian limestone were used, while coke consumption included 29,195 tons made in Canada from Canadian coal, 62,933 tons made in Canada from imported coal and 10,279 tons of imported coke.

On July 23 one additional 300 ton iron blast furnace was blown in at Sault Ste. Marie, Ont., and as none were blown out, there were 8 furnaces active in Canada on July 31. These furnaces had a capacity of 3,275 long tons per day or about 78 per cent of the total capacity of all the iron blast furnaces in Canada, and were located as follows: 2 at Sydney, N.S.; 3 at Sault Ste. Marie, Ont.; 2 at Hamilton, Ont.; and 1 at Port Colborne, Ont.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during July totalled 7,030 long tons, an increase of 12 per cent over the June output of 6,261 tons.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada amounted to 129,827 tons in July. This total represented an increase of 9 per cent over the output of 119,505 tons of the previous month and was 57 per cent greater than the total of 82,807 tons reported for July, 1928. Output of ingots increased to 123,248 tons from 113,341 tons and steel castings to 6,579 tons from 6,164 tons in June.

For the seven months ending July 31, 1929, the cumulative production of steel ingots and direct steel castings was 868,669 tons or 19 per cent more than the 731,145 tons during the first seven months of 1928 which in turn was 35 per cent over the 542,560 tons reported for the corresponding period of 1927. This year's output to date included 826,848 tons of steel ingots and 41,821 tons of steel castings.

PRICES.- The pig iron market continued steady throughout July, with indications pointing towards the termination of the summer holiday lull which has exerted of late a depressing influence upon business. Mid-month quotations at Montreal were slightly firmer; No. 1 foundry quotations changed from \$25.50 - \$26.00 in June to \$26.00 in July and No. 2 foundry from \$25.00 - \$25.50 to \$25.50. At Toronto No. 1 and No. 2 foundry remained unchanged at \$24.60 and \$24.10 respectively. The Bureau's index for the group "Iron and its Products" was stationary, the June number of 93.9 being maintained for July. Prices for items in the group were unusually steady.

UNITED STATES.- A new record for July was made in pig iron production this year when output averaged 122,100 tons per day. The next largest July output was 118,616 tons in 1923. Compared with the daily rate of the previous month, July figures showed a decline of nearly 1.5 per cent and were 2.9 per cent less than in the record month of May. During the month 3 furnaces were blown in and 5 shut down, a net loss of 2 active furnaces.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JULY 1929			JUNE 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	76,645	2,596	79,241	67,424	635	68,059
Foundry.....	112	14,667	14,779	144	16,108	16,252
Malleable.....	-----	5,766	5,766	-----	5,562	5,562
TOTAL.....	76,757	23,029	99,786	67,568	22,305	89,873
Ferro-alloys.....	-----	7,030	7,030	-----	6,261	6,261

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

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	476,694	4,305	480,999	406,724	6,475	413,199
Foundry.....	962	100,869	101,831	7,032	117,437	124,469
Malleable.....	-----	35,513	35,513	-----	25,767	25,767
TOTAL.....	477,656	140,687	618,343	413,756	149,679	563,435
Ferro-alloys.....	-----	43,623	43,623	-----	28,869	28,869

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

		JULY 1929	JUNE 1929	YEAR TO DATE
Imported Iron ore.....	Long tons	179,677	160,065	1,077,871
Canadian Limestone.....	Short tons	11,986	10,992	76,143
Imported Limestone.....	" "	41,382	40,219	267,584
Coke made in Canada:-				
From Canadian coal.....	" "	29,195	31,798	252,976
From Imported coal.....	" "	62,933	59,761	370,121
Imported coke.....	" "	10,279	5,001	37,683

# STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	JULY 1929			JUNE 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	122,024	280	122,304	112,445	-----	112,445
Acid	-----	-----	-----	-----	-----	-----
Electric	809	-----	809	722	-----	722
Other	135	-----	135	174	-----	174
TOTAL STEEL INGOTS	122,968	280	123,248	113,341	-----	113,341
STEEL CASTINGS:						
Open Hearth-Basic	145	3,935	4,080	169	3,185	3,354
Acid	-----	-----	-----	-----	-----	-----
Bessemer	5	128	133	5	170	175
Electric	17	2,349	2,366	11	2,624	2,635
TOTAL DIRECT STEEL CASTINGS	167	6,412	6,579	185	5,979	6,164
GRAND TOTAL	123,135	6,692	129,827	113,526	5,979	119,505

Table 5 CUMULATIVE PRODUCTION for the SEVEN MONTHS ending JULY

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	811,407	3,909	815,316	694,712	-----	694,712
Acid	-----	-----	-----	-----	-----	-----
Electric	6,081	-----	6,081	5,926	184	6,110
Other	5,451	-----	5,451	4,128	183	4,311
TOTAL STEEL INGOTS	822,939	3,909	826,848	704,766	367	705,133
STEEL CASTINGS:						
Open Hearth-Basic	1,223	13,583	14,806	1,343	10,804	12,147
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	44	1,612	1,656	64	1,067	1,131
Electric	81	18,000	18,081	162	12,572	12,734
TOTAL DIRECT STEEL CASTINGS	1,372	40,449	41,821	1,569	24,443	26,012
GRAND TOTAL	824,311	44,358	868,669	706,335	24,810	731,145



Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1916 - 1927.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54
1919	68	77	1925	48	63
1920	81	92	1926	63	64
1921	50	56	1927	59	76

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL  
INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's of  
Long Tons) 1928-1929.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1928	1929	1928	1929	1928	1929	1928	1929
January	22	21	43	67	65	83	84	116
February	24	41	41	53	65	94	99	117
March	26	32	52	54	78	86	113	137
April	25	24	50	55	75	79	113	122
May	24	24	64	57	88	81	118	126
June	24	25	73	65	97	90	117	120
July	21	23	74	77	95	100	83	130
August	23		69		92		89	
September	24		67		91		100	
October	25		68		93		109	
November	30		65		95		108	
December	35		68		103		103	
TOTAL	303	190	734	428	1,037	613	1,241	868
MONTHLY AVERAGE	25	27	61	61	86	83	103	124

Table 8. BLAST FURNACES IN CANADA, 1929.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,400
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	350
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,175

Table 9. DESCRIPTION OF FURNACES AT END OF JULY 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	8	3,275	78
Banked .....	-	-	-
Blown out.....	3	900	22
Total furnaces reporting.....	11	4,175	100



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