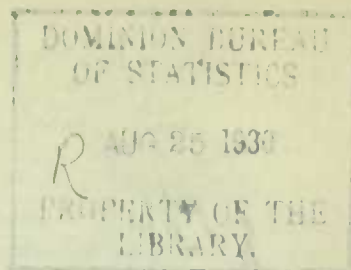


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Monthly Report  
on  
**PRODUCTION OF IRON AND STEEL**  
in Canada

JULY 1930

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Figures in this report are the latest available at time of printing,  
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**DOMINION BUREAU OF STATISTICS, CANADA**  
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**PRODUCTION OF IRON AND STEEL IN CANADA**

**JULY 1930**

**PIG IRON.**— Production of pig iron in Canada during July at 64,676 tons was the lowest tonnage reported for any month of the present year, the rate of output being back again to that of February 1928, when production amounted to 64,691 tons. In the previous month, 66,081 tons were produced and in July of a year ago the quantity was 99,786 tons. Compared with the figures for June, data for July showed a decline in the output of basic iron to 42,498 tons from 45,349 tons and an increase in the output of foundry iron to 22,178 tons from 20,732 tons. No malleable iron was produced in either month.

Furnace charges during the month under review included 106,684 long tons of imported iron ore, 30,548 short tons of limestone and 63,529 short tons of coke. Of the limestone, 9,356 tons were mined in Canada and of the coke 52,571 tons, including 18,205 tons from Canadian coal, were produced in Canada.

During the month under review one blast furnace at Sault Ste. Marie Ont., was blown out with the result that five furnaces were in blast on July 31. The active furnaces had a capacity of 2,025 long tons per day or about 48 per cent of the total capacity of all iron blast furnaces in Canada and were located as follows: 2 at Hamilton, Ont., 1 at Sault Ste. Marie, Ont., 1 at Port Colborne, Ont., and 1 at Sydney, N.S.

For the seven months ending July, production of pig iron aggregated 515,862 tons, a decline of 17 per cent from the 618,343 tons made during the corresponding period of last year which in turn was 10 per cent greater than the 563,436 tons produced in the first seven months of 1928. This year's output to date included 361,061 tons of basic iron, 115,427 tons of foundry iron and 39,374 tons of malleable iron.

**FERRO-ALLOYS.-** Production of ferro-alloys in Canada amounted to 3,334 tons in July, a decline of 70 per cent from the record which was established in the previous month at 11,059 tons. For the year to date the output totalled 48,294 tons, an increase of 11 per cent and 67 per cent over the corresponding periods of 1929 and 1928 when the quantities were quoted at 43,623 tons and 28,869 tons, respectively.

**STEEL INGOTS AND CASTINGS.-** Production of steel ingots and direct steel castings in Canada during July at 68,424 tons was the lowest tonnage reported since October, 1927, was 28 per cent under the total of 95,321 tons in June and 47 per cent less than the 129,827 tons made in July, 1929. The decline from the previous month was mostly in steel ingots, the tonnage of which dropped to 65,144 from 91,694 while steel castings also dropped slightly to 3,280 tons from 3,627 tons.

For the seven months ending July 31, 1930, the cumulative production of steel at 697,417 tons was 20 per cent less than in the corresponding period of last year when 868,669 tons were made but was only slightly under the 731,145 tons produced during the seven months of 1928. This year's output included 656,256 tons of steel ingots and 41,161 tons of steel castings.

**PRICES.-** Pig iron prices in July remained unchanged from those of the previous month. Owing to the general industrial depression, market interest was lacking with melters buying in small lots for immediate needs only. Quotations for pig iron, No. 1 and No. 2 foundry at Toronto, were still \$22.60 and \$22.10 per gross ton, and at Montreal, \$24.00 and \$23.50 per gross ton. The Bureau's index for "Iron and Steel and its Products" remained unchanged at 91.3.

**UNITED STATES.-** (Extracted from the "Iron Age"). July proved another month of drastic deflation of pig iron production, bringing blast furnace operations a long step nearer to the inevitable "bottom" which will precede the next upturn in business. The daily rate of output, at 85,146 tons, fell 13 per cent below the per diem average of June. Active blast furnaces showed a net decline of 16, compared with 20 in June.

Among the few sources of encouragement are: continued stability in the scrap market with a few price advances reported where the supply of certain grades has run low; increased tractor output under the stimulus of foreign orders, and a gain in pig iron shipments to foundries in the Chicago district.

# PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JULY 1930			JUNE 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	42,138	360	42,498	44,779	570	45,349
Foundry.....	113	22,065	22,178	180	20,552	20,732
Malleable.....	-----	-----	-----	-----	-----	-----
TOTAL.....	42,251	22,425	64,676	44,959	21,122	66,081
Ferro-alloys .....	-----	3,334	3,334	-----	11,059	11,059

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

ITEM	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	357,401	3,660	361,061	476,694	4,305	480,999
Foundry.....	864	114,563	115,427	962	100,869	101,831
Malleable.....	-----	39,374	39,374	-----	35,513	35,513
TOTAL.....	358,265	157,597	515,862	477,656	140,687	618,343
Ferro-alloys .....	-----	48,294	48,294	-----	43,623	43,623

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

		JULY	JUNE	YEAR TO DATE
Imported Iron ore.....	Long tons	106,684	114,063	916,720
Canadian Limestone.....	Short tons	9,356	9,614	76,169
Imported Limestone.....	" "	21,192	23,830	197,657
Coke made in Canada:-				
From Canadian coal.....	" "	18,205	16,788	162,433
From Imported coal.....	" "	34,366	46,353	343,987
Imported coke.....	" "	10,958	3,813	38,909

\* Revised



# STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JULY 1930			JUNE 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic Acid	62,719	-----	62,719	88,917	151	89,068
Electric	2,108	-----	2,108	2,386	-----	2,386
Other	317	-----	317	240	-----	240
TOTAL STEEL INGOTS	65,144	-----	65,144	85,792	248	86,040
STEEL CASTINGS:						
Open Hearth-Basic Acid	130	1,575	1,705	127	1,635	1,762
Bessemer	4	118	122	3	107	110
Electric	23	1,430	1,453	26	1,729	1,755
TOTAL DIRECT STEEL CASTINGS	157	3,123	3,280	156	3,471	3,627
GRAND TOTAL	65,301	3,123	68,424	91,699	3,622	95,321

Table 5 CUMULATIVE PRODUCTION for the SEVEN MONTHS ending JULY

	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic Acid	634,167	570	634,737	811,407	3,909	815,316
Electric	15,307	-----	15,307	6,081	-----	6,081
Other	6,212	-----	6,212	5,451	-----	5,451
TOTAL STEEL INGOTS	655,686	570	656,256	822,939	3,909	826,848
STEEL CASTINGS:						
Open Hearth-Basic Acid	1,126	19,124	20,250	1,223	13,583	14,806
Bessemer	30	1,296	1,326	44	1,612	1,656
Electric	159	19,426	19,585	81	18,000	18,081
TOTAL DIRECT STEEL CASTINGS	1,315	39,846	41,161	1,372	40,449	41,821
GRAND TOTAL	657,001	40,416	697,417	824,311	44,358	868,669

Table 6 AVERAGE MONTHLY PRODUCTION OF  
PIG IRON, STEEL INGOTS AND CASTINGS  
IN CANADA, 1916 - 1929.  
(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916	87	106	1923	73	74
1917	87	130	1924	49	54
1918	89	140	1925	48	63
1919	68	77	1926	63	64
1920	81	92	1927	59	76
1921	50	56	1928	86	103
1922	32	40	1929	91	115

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) 1929-1930.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1929	1930	1929	1930	1929	1930	1929	1930
January	21	23	67	64	88	87	116	115
February	41	19	53	52	94	71	117	107
March	32	22	54	53	86	75	137	117
April	24	21	55	51	79	72	122	103
May	24	19	57	62	81	81	126	92
June	25	16	65	50	90	66	120	95
July	23	16	77	49	100	65	130	68
August	31		82		113		120	
September	31		68		99		99	
October	24		67		91		116	
November	22		65		87		94	
December	22		61		83		82	
TOTAL	320	136	771	381	1,091	517	1,379	697
MONTHLY AVERAGE	27	19	64	55	91	74	115	99

Table 8. BLAST FURNACES IN CANADA, 1930.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, 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 Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,225

Table 9. DESCRIPTION OF FURNACES AT END OF JULY 1930

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	2,025	48
Banked.....	-	-	-
Blown out.....	6	2,200	52
Total furnaces reporting.....	11	4,225	100

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