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DOMINION BUREAU OF STATISTICS

**Monthly Report**  
**of the**  
**PRODUCTION OF IRON AND STEEL**  
**IN CANADA**

**AUGUST, 1924**

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# Dominion Bureau of Statistics, Canada

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## PRODUCTION OF IRON AND STEEL IN CANADA

### PIG IRON IN AUGUST 1924

The production of pig iron in Canada in August amounted to 23,072 gross tons. This output, 49 per cent less than the 45,480 tons produced in July, was the lowest tonnage reported for any month since the commencement of monthly records in 1917.

Foundry and malleable iron registered substantial increases but this was more than offset by the drop in the quantity of basic pig iron produced for the further use of the reporting firms. This grade fell 83 per cent to 5,942 tons while foundry rose 71 per cent to 11,911 tons and malleable iron advanced 54 per cent to 5,220 tons. The average monthly production of 62,000 tons for the eight months ending August, although less than the 1923 average of 76,000 tons for the same period, exceeded the 1922 and 1921 averages when the quantities were 31,000 and 52,000 tons respectively.

During the month two furnaces were banked at Sydney, N.S. leaving two furnaces active at the end of August, namely one at Hamilton, Ont., and one at Sault Ste. Marie, Ont.

The production of 2,195 tons ferro-silicon marked little change from the 2,197 tons produced in July.

In the United States the August record was fairly satisfactory to iron and steel manufacturers after an uninterrupted and severe loss for four consecutive months. The increase in the daily output of pig iron in August was 3,428 gross tons contrasting with a decrease in July from June of 9,964 tons per day. The net gain in active furnaces in August was 7 comparing with a net loss of 17 in July and 46 in May. For steel ingots the August figures were expected to show a larger gain in view of the reduction made last month in steel company stocks of pig iron.

Table 1 (a) shows the production of pig iron by grades, and ferro-alloys during the month. For comparison Table 1 (b) shows the corresponding data for the preceding month and Table 1 (c) shows the total output of pig iron and ferro-alloys for the eight months ending August, 1924.

PIG IRON AND FERRO-ALLOYS PRODUCTION (Tons of 2240 lbs.)

Table 1 (a) - AUGUST - 1924.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic	5,942	---	--	--	5,942
Foundry	1,000	10,911	--	--	11,911
Malleable	---	5,220	--	--	5,220
All other	---	---	--	--	--
TOTAL PIG IRON	6,942	16,131	--	--	23,073
TOTAL FERRO-ALLOYS	---	---	--	2,195	2,195

Table 1 (b) - JULY - 1924.

PIG IRON:					
Basic	35,121	---	--	--	35,121
Foundry	68	6,892	--	--	6,960
Malleable	---	3,399	--	--	3,399
All other	---	---	--	--	--
TOTAL PIG IRON	35,189	10,291	--	--	45,480
TOTAL FERRO-ALLOYS	---	---	--	2,197	2,197

Table 1 (c) - TOTAL for the Eight months ending AUGUST, 1924.

PIG IRON:					
Basic	329,153	4,930	--	--	334,083
Foundry	1,501	117,364	--	--	118,865
Malleable	7,640	35,070	--	--	42,710
All other	---	---	--	--	--
TOTAL PIG IRON	338,294	157,364	--	--	495,658
TOTAL FERRO-ALLOYS	---	---	--	20,160	20,160

No. of blast furnaces:

	First of Month	End of Month
ACTIVE	4	2
IDLE	16	18

Table 3 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1911 to 1920, inclusive, and Table 3 (b) shows the actual production by months for the years 1921 to date.

Table 2 (a)

PRODUCTION OF STEEL INGOTS AND CASTINGS IN CANADA  
FOR THE CURRENT AND PRECEDING MONTH  
(Tons of 2240 lbs.)

	July 1924			August 1924		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
<b>STEEL INGOTS:</b>						
Open Hearth-Basic	50,211	-----	50,211	21,150	-----	21,150
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	258	-----	258	269	-----	269
TOTAL STEEL INGOTS	50,469	-----	50,469	21,419	-----	21,419
<b>STEEL CASTINGS:</b>						
Open Hearth-Basic	141	1,002	1,143	37	640	677
Acid	-----	-----	-----	-----	-----	-----
Bessemer	3	92	95	4	116	120
Electric	2	528	530	5	515	520
TOTAL DIRECT STEEL CASTINGS	146	1,622	1,768	46	1,271	1,317
GRAND TOTAL	50,615	1,622	52,237	21,465	1,271	22,736

Table 2 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the EIGHT MONTHS ending AUGUST, 1924.

	For Own Use	For Sale	Total Production
<b>STEEL INGOTS:</b>			
Open Hearth-Basic	539,960	-----	539,960
Acid	-----	-----	-----
Bessemer	-----	-----	-----
Other	1,479	-----	1,479
TOTAL STEEL INGOTS	541,439	-----	541,439
<b>STEEL CASTINGS:</b>			
Open Hearth-Basic	1,118	15,037	16,155
Acid	-----	782	782
Bessemer	34	986	1,020
Electric	138	4,172	4,310
TOTAL DIRECT STEEL CASTINGS	1,290	20,977	22,267
GRAND TOTAL	542,729	20,977	563,706

## STEEL INGOTS AND CASTINGS

The August production of 22,736 tons steel ingots and castings in Canada followed the decline in the pig iron output, reaching the lowest level reported since the war and marking a drop of 56 per cent from the 52,237 tons produced in July.

There was a decline both in the quantity of steel ingots and of castings produced for use and for sale. Steel ingots at 21,419 tons marked a drop of 58 per cent from the July output of 50,469 tons, and steel castings fell 26 per cent to 1,317 tons as compared with 1,768 tons in the previous month. The cumulative production for the eight months ending August was 563,706 tons comprised of 541,439 tons steel ingots and 22,267 tons steel castings.

Continued quietness prevailed in the iron and steel markets. Most prices were maintained at last month's levels, but a few manufactured lines showed declines. Round and square steel bars fell from \$2.70 to \$2.60. Black steel sheets again declined, the price being \$3.40 per cwt. in August as compared with \$3.65 in July. Galvanized sheets were priced at \$4.50 as against \$4.80 in July. Horse shoes declined from \$6.95 to \$6.55 per keg.

Table 2 (a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For comparison Table 2 (b) shows the total production by grades, of steel ingots and castings during the eight months ending August 1924.

### ERRATA:

In the June issue this year, 15,369 tons of malleable iron was reported as being produced for further use; revised returns show that 7,729 tons of this amount was intended for sale. Table 1 (c) shows the corrected figures for the eight months ending August.



Table 3 (A), AVERAGE MONTHLY PRODUCTION OF  
 PIG IRON, STEEL INGOTS AND CASTINGS  
 IN CANADA, 1911 - 1920.  
 In 1000's of Long Tons

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1911	68	66	1916	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140
1914	58	62	1919	68	77
1915	68	76	1920	81	92

TABLE 3 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS  
 IN CANADA BY MONTHS  
 From 1921 to Date  
 (In 1000's of Long Tons)

MONTH	1921		1922		1923		1924	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	41	40	32	33	41	48	64	41
February	58	59	34	42	44	46	60	71
March	60	53	42	30	65	89	77	95
April	39	27	33	22	84	93	84	104
May	56	52	23	17	102	104	85	108
June	55	64	29	33	99	96	57	69
July	54	54	32	63	82	74	45	52
August	50	72	27	59	93	105	23	23
September	44	56	25	36	75	66		
October	50	72	37	53	74	67		
November	48	75	34	51	62	55		
December	40	43	36	47	60	41		
TOTAL	595	667	384	486	881	884	495	563
MONTHLY AVERAGE	50	56	32	40	73	74	62	70

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