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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JULY, 1924.

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R. H. COATS, B.A., F.S.S. (Hon.), F.R.S.C. -- DOMINION STATISTICIAN

S. J. COOK, B.A., A.I.C., F.C.I.C., -- Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH

PRODUCTION OF IRON AND STEEL IN CANADA

PIG IRON IN JULY 1924

The production of 45,480 tons of pig iron in Canada in July marked a new low level for the year. In spite of this decline, the tonnage recorded so far this year, while less than in 1923 has been greater than in either 1922 or 1921.

The July output of 6,960 tons of foundry iron was 43 per cent below the June total of 12,182 tons; malleable iron fell off 79 per cent to 3,399 tons. Basic iron on the other hand showed an advance of 22 per cent to 35,121 tons. The cumulative output for the seven months totalled 472,585 tons, all grades including 328,141 tons basic iron, 106,954 tons foundry iron and 37,490 tons malleable iron. The total for the corresponding period last year was 516,793 tons.

The number of furnaces in blast at the end of the month remained unchanged at four, located as follows: two at Sydney, N.S.; one at Sault Ste. Marie, Ont.; and one at Hamilton, Ont.

The production of 2,197 tons ferro-silicon was 4 per cent over the 2,108 tons in June and consisted entirely of the grades containing up to 50 per cent silicon.

In the United States the decline which started in March still continued and the blast furnace output in July marked a loss of 9,954 tons per day, as compared with the June records which showed, in turn, a loss of 16,817 tons per day from the average daily tonnage for May.

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 seven months ending July, 1924.

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

Table 1 (a) - JULY - 1924.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
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 (b) - JUNE - 1924.

PIG IRON:					
Basic.....	28,252	613	---	---	28,865
Foundry.....	64	12,118	---	---	12,182
Malleable.....	15,369	547	---	---	15,916
All other.....	---	---	---	---	---
TOTAL PIG IRON.....	43,685	13,278	---	---	56,963
TOTAL FERRO-ALLOYS.....	---	---	---	2,108	2,108

Table 1 (c) - TOTAL for the Seven months ending JULY, 1924.

PIG IRON:					
Basic.....	323,211	4,930	---	---	328,141
Foundry.....	501	106,453	---	---	106,954
Malleable.....	15,369	22,121	---	---	37,490
All other.....	---	---	---	---	---
TOTAL PIG IRON.....	339,081	133,504	---	---	472,585
TOTAL FERRO-ALLOYS.....	---	---	---	17,965	17,965

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	4.....	4
IDLE.....	16.....	16

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.)

	June 1924			July 1924		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	66,246		66,246	50,211		50,211
Acid						
Bessemer						
Other	147		147	258		258
TOTAL STEEL INGOTS	66,393		66,393	50,469		50,469
STEEL CASTINGS:						
Open Hearth-Basic	141	1,711	1,852	141	1,002	1,143
Acid						
Bessemer	1	79	80	3	92	95
Electric	10	579	589	2	528	530
TOTAL DIRECT STEEL CASTINGS	152	2,369	2,521	146	1,622	1,768
GRAND TOTAL	66,545	2,369	68,914	50,615	1,622	52,237

Table 2 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the SEVEN MONTHS ending JULY, 1924.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	518,810		518,810
Acid			
Bessemer			
Other	1,210		1,210
TOTAL STEEL INGOTS	520,020		520,020
STEEL CASTINGS:			
Open Hearth-Basic	1,081	14,397	15,478
Acid		782	782
Bessemer	30	870	900
Electric	133	3,657	3,790
TOTAL DIRECT STEEL CASTINGS	1,244	19,706	20,950
GRAND TOTAL	521,264	19,706	540,970

STEEL INGOTS AND CASTINGS

The July production of 52,237 long tons steel ingots and castings in Canada was 10 per cent under the June output of 68,914 tons. The curtailment was mostly in the quantity of basic open-hearth steel ingots produced for further manufacture by the reporting firms. This grade declined 24 per cent to 50,211 tons. Direct steel castings at 1,768 tons marked a drop of 30 per cent.

The cumulative production of steel ingots and castings during the first seven months of the year was 540,970 tons comprising 520,020 tons of steel ingots and 20,950 tons direct steel castings. This output was about 10,000 tons less than the total output for the corresponding period in 1923 and exceeded the 1922 and 1921 totals for similar periods by 43,000 tons and 27,000 tons, respectively.

The Canadian scrap market was said to be weak, as buying was confined to small tonnages for immediate delivery. Orders for machine tools were few but the automotive industries have been making inquiries for replacement purposes and railway companies have recently placed some orders for new equipment.

Pig iron prices showed further declines in July. No. 1 Foundry (2.25 to 2.75 silicon) was \$26.30 per ton at Toronto, as compared with \$27.30 in June and No. 2 was \$25.80 as compared with \$26.80. Both grades at Montreal were \$27.95 per ton as compared with \$29.20 in June. The index number for the iron and steel products group in the wholesale prices index compiled by the Bureau (1913 average prices = 100) fell from 161.0 to 159.2.

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 for the seven months ending July, 1924.

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		
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	472	540
MONTHLY AVERAGE	50	56	32	40	73	74	67	77

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