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DOMINION BUREAU OF STATISTICS

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JULY, 1923

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PRODUCTION OF IRON AND STEEL
IN CANADA

July - 1923

PIG IRON AND FERRO-ALLOYS

The production of 81,647 tons of pig iron in Canada during July showed a decline of 17.7% from the record of the previous month when 99,239 tons was produced. This decline was largely due to one of the largest producing firms having their furnaces banked during a period of labour difficulties; otherwise this month might have shown the greatest July production since 1917. The Bureau records for the month of July show that the output this year was only exceeded in July of 1917 and July, 1920 when the production was about 83,000 and 84,000 tons respectively.

The cumulative production of 516,793 tons for the seven months ending July, 1923 showed an increase of 231% over the corresponding period in 1922 and 142% over 1921, when 223,892 tons and 363,292 tons respectively, were produced. The output of basic, foundry and malleable iron was similarly greater than in 1922 and 1921.

Ferro-alloys, consisting entirely of ferro-silicon of the various grades rose to 2,342 tons, a slight increase over June when 2,185 tons was produced.

Two additional furnaces were blown in before the close of the month resulting in nine furnaces being in blast on July 31st. The active furnaces were: two at Sydney, N.S.; two at Hamilton, Ont.; one at Port Colborne, Ont., and four at Sault Ste. Marie, Ont.

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 1923.

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

Table 1 (a) - JULY - 1923.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	44,293	1,423	--	--	45,716
Foundry.....	83	24,659	--	--	24,742
Malleable.....	141	11,048	--	--	11,189
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	44,517	37,130	--	--	81,647
TOTAL FERRO-ALLOYS.....	--	--	--	2,342	2,342

Table 1 (b) - JUNE - 1923.

PIG IRON:					
Basic.....	55,565	1,045	--	--	56,610
Foundry.....	92	28,144	--	--	28,236
Malleable.....	--	14,393	--	--	14,393
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	55,657	43,582	--	--	99,239
TOTAL FERRO-ALLOYS.....	--	--	--	2,185	2,185

Table 1 (c) - TOTAL for the SEVEN months ending JULY, 1923.

PIG IRON:					
Basic.....	316,265	7,547	--	--	323,812
Foundry.....	652	133,245	--	--	133,897
Malleable.....	211	58,873	--	--	59,084
All other.....	--	--	--	--	--
TOTAL PIG IRON.....	317,128	199,665	--	--	516,793
TOTAL FERRO-ALLOYS.....	--	--	--	15,355	15,355

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	7.....	9
IDLE.....	13.....	11

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1909 to 1918, inclusive, and Table 2 (b) shows the actual production by months for the years 1919 to date.

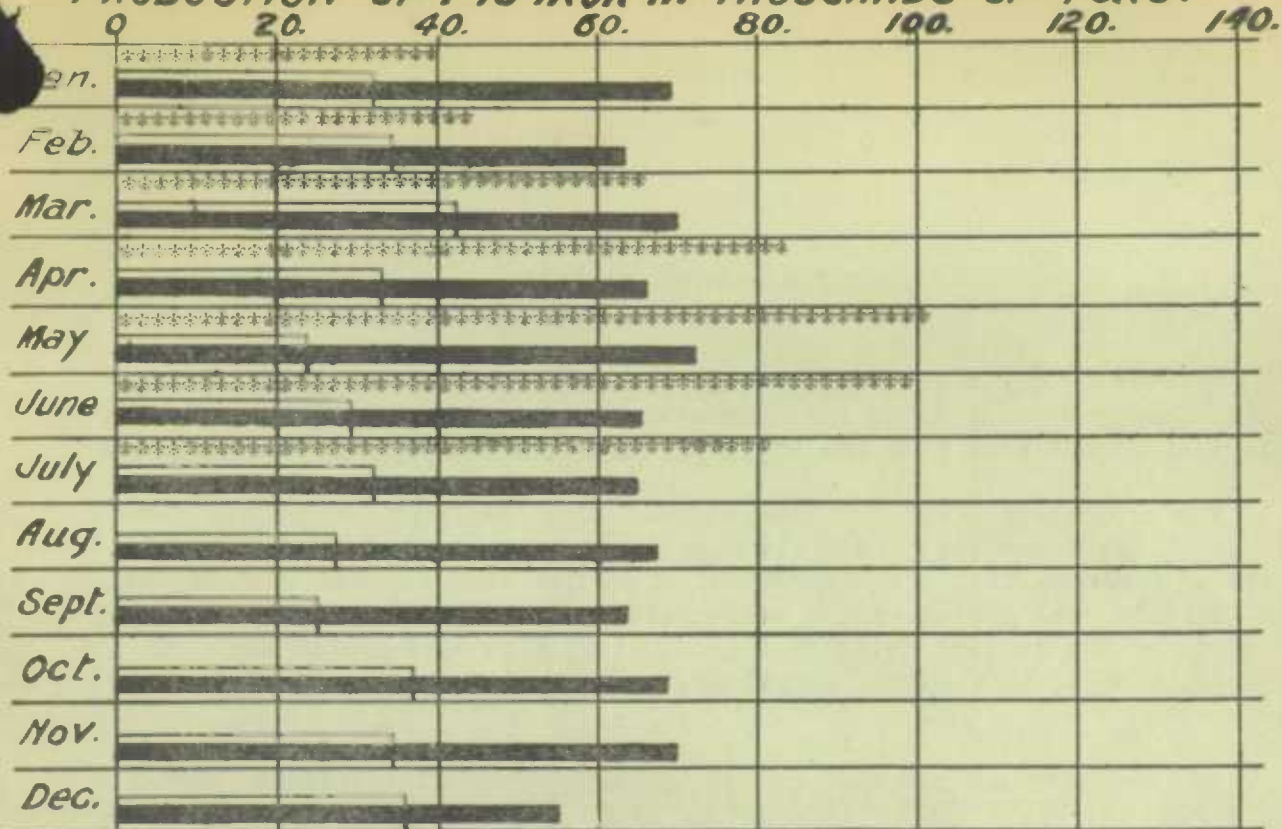
Table 2 (A), AVERAGE MONTHLY PRODUCTION OF
 PIG IRON, STEEL INGOTS AND CASTINGS
 IN CANADA, 1909 - 1918.
 In 1000's of Long Tons

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106
1912	75	71	1917	87	130
1913	84	87	1918	89	140

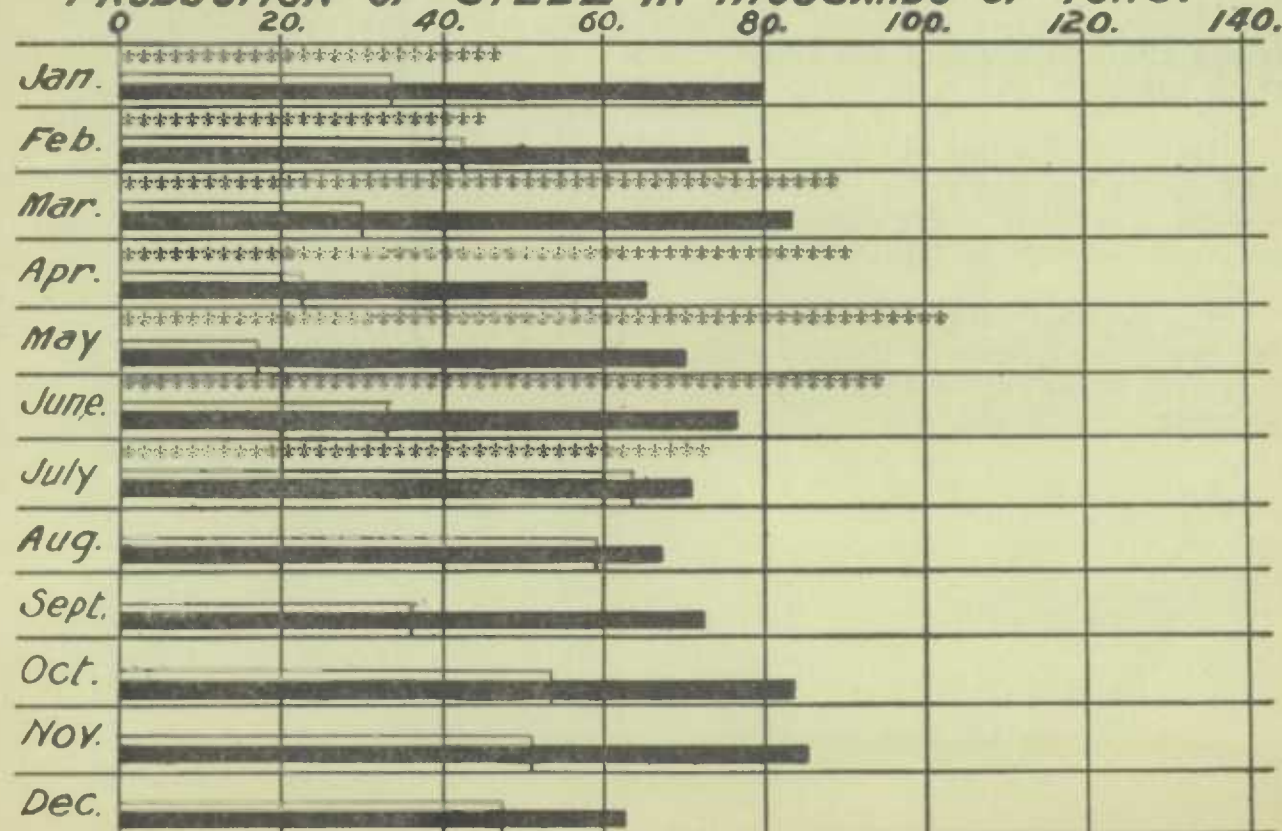
TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
 IN CANADA BY MONTHS
 From 1919 to Date
 (In 1000's of Long Tons)

MONTH	1919		1920		1921		1922		1923	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	93	107	73	92	41	40	32	33	41	48
February	78	90	64	84	58	59	34	42	44	46
March	82	100	69	97	60	53	42	30	65	89
April	83	75	77	93	39	27	33	22	84	93
May	74	69	87	90	56	52	23	17	102	104
June	59	68	80	91	55	64	29	33	99	96
July	54	66	84	94	54	54	32	63	82	74
August	60	54	93	105	50	72	27	59		
September	51	60	94	99	44	56	25	36		
October	50	66	105	111	50	72	37	53		
November	65	82	94	97	48	75	34	51		
December	70	87	54	56	40	43	36	47		
TOTAL	819	924	974	1109	595	667	384	486	517	550
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	74	79

PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.



***** = 1923 □ = 1922 ■ = AVERAGE 1919 TO 1921

STEEL INGOTS AND CASTINGS

The lower output of pig iron during July was reflected in the primary steel. The production of 73,532 tons of steel ingots and castings showed a decline of 22,635 tons from the level of June when 96,167 tons was produced.

The production of 69,722 tons of basic open hearth steel ingots for the use of the reporting firms, although lower than the record of June, showed an increase over the July output of 61,243 tons in 1922, and 52,111 tons in 1921. The production of steel castings was also lower practically the whole of the decline being in the output of acid open hearth castings; the production of this grade dropped to 163 tons in July from 542 tons in June.

The cumulative production of 549,962 tons of steel ingots and castings during the seven months ending July 31st, exceeded the outputs for the corresponding periods in the two preceding years when the totals were 1921 - 349,118 tons, 1922 - 239,847 tons and compared favorably with 1920 when about 641,000 tons was produced. The average monthly production of this year was about 79,000 tons and exceeded the average for 1922 by 132% and 1921 by 58%.

Table 3 (a) shows the production of steel ingots and castings in Canada during the month just closed and the month immediately preceding. For comparison Table 3 (b) shows the total production by grades, of steel ingots and castings during the seven months ending July 1923.

The bar chart shown on the preceding page enables the reader to make quick comparisons between the three-year average production in any month of pig iron and of steel ingots and castings with the actual output in the same month of 1922 and 1923.

Table 3 (a)

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

	JUNE 1923			JULY 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	91,943	-----	91,943	69,722	-----	69,722
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Electric	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	91,943	-----	91,943	69,722	-----	69,722
STEEL CASTINGS:						
Open Hearth-Basic	270	2,380	2,650	91	2,531	2,622
Acid	-----	542	542	-----	163	163
Bessemer	11	343	354	11	226	237
Electric	9	669	678	14	774	788
TOTAL DIRECT STEEL CASTINGS	290	3,934	4,224	116	3,694	3,810
GRAND TOTAL	92,233	3,934	96,167	69,838	3,694	73,532

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the SEVEN MONTHS ending JULY, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	523,448	-----	523,448
Acid	-----	-----	-----
Bessemer	-----	-----	-----
Electric	-----	-----	-----
TOTAL STEEL INGOTS	523,448	-----	523,448
STEEL CASTINGS:			
Open Hearth-Basic	1,166	15,857	17,023
Acid	-----	2,018	2,018
Bessemer	68	2,364	2,432
Electric	43	4,998	5,041
TOTAL DIRECT STEEL CASTINGS	1,277	25,237	26,514
GRAND TOTAL	524,725	25,237	549,962

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