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Monthly Report  
of the  
PRODUCTION OF IRON AND STEEL  
IN CANADA

OCTOBER, 1923

Prepared under the direction of

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PRODUCTION OF IRON AND STEEL  
IN CANADA

October - 1923

PIG IRON AND FERRO-ALLOYS

The October output of pig-iron in Canada showed a slight decline to 73,598 gross tons as compared with 75,216 tons produced in September. The average monthly production for the ten months ending October this year was 76,000 tons and the total production during this period of 758,194 tons showed an increase of 142% and 50% over the outputs in the corresponding periods of 1922 and 1921, when the quantities produced were 312,677 tons and 506,730 tons respectively.

The entire output of basic pig-iron amounting to 40,986 tons was made for the further use of the reporting firms; this was 11% less than the September production of 45,826 tons. Foundry iron, mostly for sale, remained about the same at 17,377 tons; malleable iron made for sale showed an increase of 37% to a total of 15,235 tons.

The number and location of active furnaces at the end of the month was unchanged at seven, viz; one at Sault Ste. Marie, Ont., one at Port Colborne, Ont., two at Hamilton, Ont., and three at Sydney, C.B.

Ferro-alloys rose to 3,013 tons, an increase of 17% over the 2,581 tons produced in September, and 33% over August output of 2,258 tons. The production consisted almost entirely of the grade containing 15% silicon content.

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 ten months ending October 1923.

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

Table 1 (a) - OCTOBER - 1923.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	40,986	- - -	- -	- -	40,986
Foundry.....	65	17,312	- -	- -	17,377
Malleable.....	- - -	15,235	- -	- -	15,235
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	41,051	32,547	- -	- -	73,598
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	3,013	3,013

Table 1 (b) - SEPTEMBER - 1923.

PIG IRON:					
Basic.....	45,826	754	- -	- -	46,580
Foundry.....	97	17,430	- -	- -	17,536
Malleable.....	398	10,702	- -	- -	11,100
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	46,321	28,895	- -	- -	75,216
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	2,581	2,581

Table 1 (c) - TOTAL for the TEN months ending OCTOBER, 1923.

PIG IRON:					
Basic.....	466,986	8,578	- -	- -	475,664
Foundry.....	923	192,849	- -	- -	193,772
Malleable.....	609	88,149	- -	- -	88,758
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	468,518	289,676	- -	- -	758,194
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	23,207	23,207

No. of blast furnaces:

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

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.....	58	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

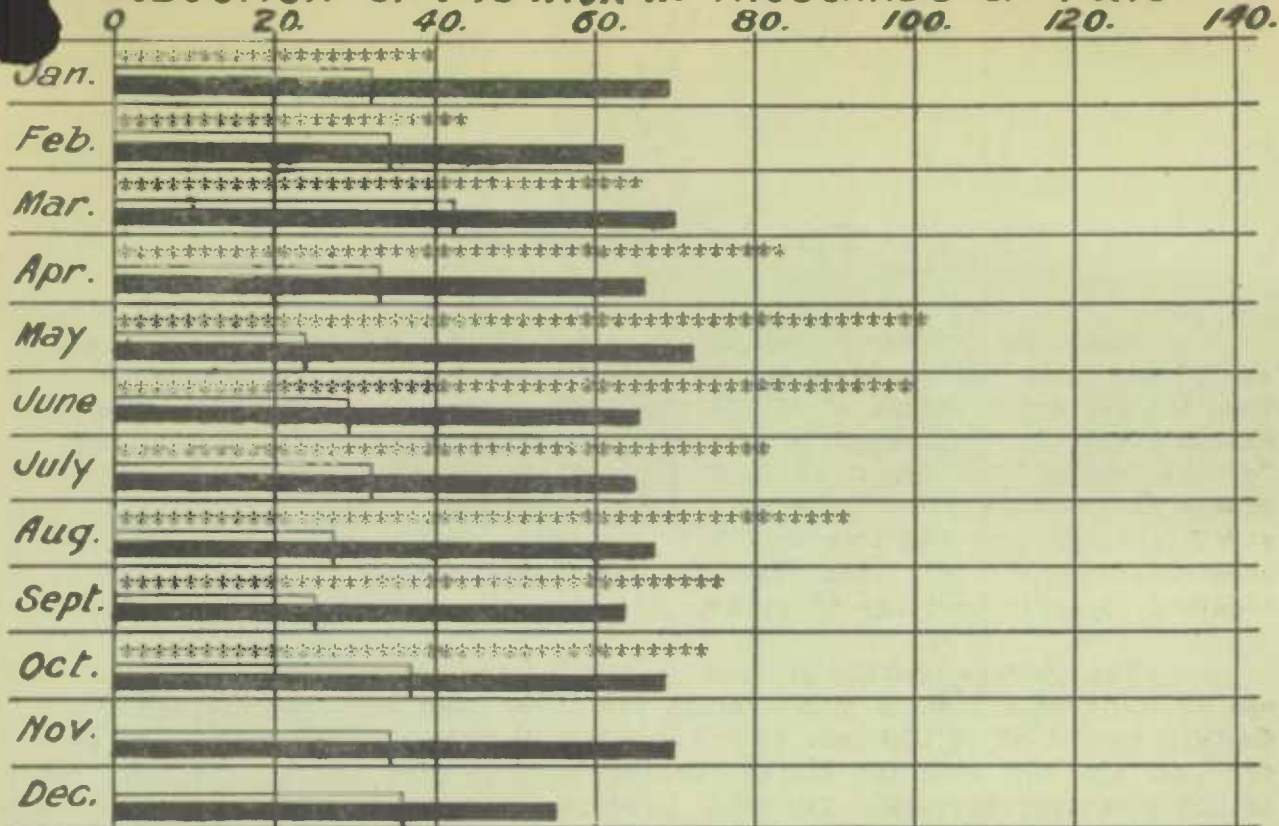
From 1919 to Date

(In 1000's of Long Tons)

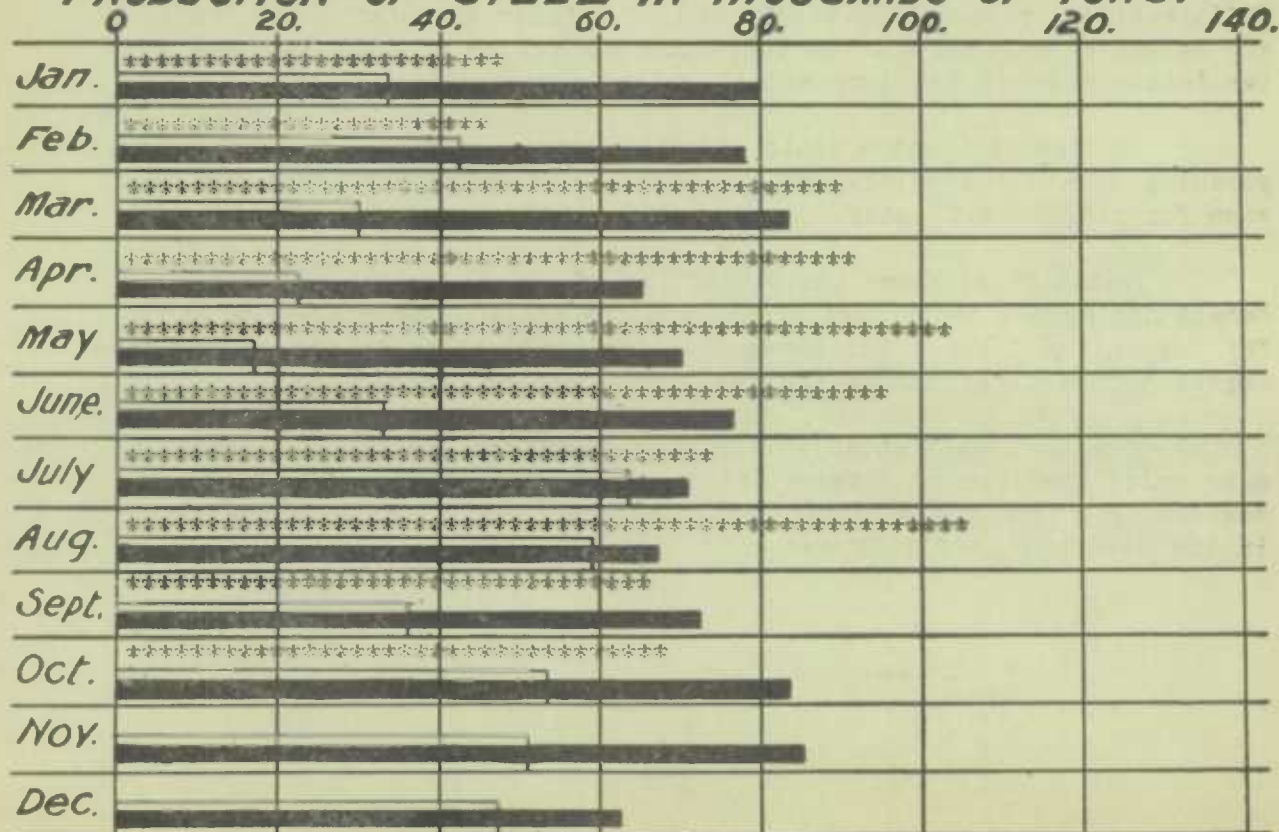
MONTH	1919		1920		1921		1922		1923	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	93	107	73	92	41	40	32	33	41	48
February	78	90	64	84	58	59	34	42	44	46
March	82	100	69	97	60	53	42	30	65	89
April	83	75	77	93	39	27	33	22	84	93
May	74	69	87	90	56	52	23	17	102	104
June	59	68	80	91	55	64	29	33	99	96
July	54	66	84	94	54	54	32	63	82	74
August	60	54	93	105	50	72	27	59	93	105
September	51	60	94	99	44	56	25	36	75	66
October	50	66	105	111	50	72	37	53	74	67
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	759	788
MONTHLY AVERAGE	68	77	81	92	50	56	32	40	76	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 total October production of steel ingots and castings in Canada was 67,496 tons, an increase in all grades amounting to 1,162 tons more than the September output of 66,334 tons. The increase in the basic open hearth steel ingots production was 735 tons making a total of 62,870 tons for the month. The output of 4,626 tons of steel castings marked an increase of 427 tons distributed by grades as follows:- basic open hearth steel castings rose 145 tons to 2,726 tons; acid open hearth castings increased 117 tons to 653 tons; bessemer castings advanced 100 tons to 413 tons and electric castings 65 tons to 834 tons.

The average monthly production for the ten months ending October was 79,000 tons and while this average was lower than the 1920 average monthly record of 96,000 tons it was greater than the corresponding figures for 1922 and 1921 when the average monthly outputs were 39,000 tons and 55,000 tons respectively. The total production of ingots this year was 749,270 tons. For the first ten months of the two preceding years the outputs of ingots were 370,836 tons in 1922 and 530,315 tons in 1921. Steel castings produced up to the end of October amounted to 39,578 tons and marked an advance for the corresponding period of 1922 and 1921 when the totals were 16,734 tons and 19,477 tons respectively.

Buyers of machine tools and other steel products were said to be pursuing a cautious policy and the majority of sales and enquiries have been for single units only.

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 ten months ending October 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.)

	SEPTEMBER 1923			OCTOBER 1923		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	62,135	-----	62,135	62,870	-----	62,870
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Electric	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	62,135	-----	62,135	62,870	-----	62,870
STEEL CASTINGS:						
Open Hearth-Basic	378	2,203	2,581	398	2,328	2,726
Acid	-----	536	536	-----	653	653
Bessemer	6	307	313	10	403	413
Electric	14	755	769	11	823	834
TOTAL DIRECT STEEL CASTINGS	398	3,801	4,199	419	4,207	4,626
GRAND TOTAL	62,533	3,801	66,334	63,289	4,207	67,496

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the TEN MONTHS ending OCTOBER, 1923.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	749,270	-----	749,270
Acid	-----	-----	-----
Bessemer	-----	-----	-----
Electric	-----	-----	-----
TOTAL STEEL INGOTS	749,270	-----	749,270
STEEL CASTINGS:			
Open Hearth-Basic	2,259	22,743	25,002
Acid	-----	3,730	3,730
Bessemer	91	3,479	3,570
Electric	99	7,177	7,276
TOTAL DIRECT STEEL CASTINGS	2,449	37,129	39,578
GRAND TOTAL	751,719	37,129	788,848



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