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VOL. 2

R. H. COATS,
Dominion Statistician

No. 9

Historical File Copy

Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

SEPTEMBER
, 1922

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Published by Authority of the Hon. J. A. Robb, M. P.
Minister of Trade and Commerce.

Ottawa
1922

PRODUCTION OF IRON AND STEEL
IN CANADA

September, 1922

PIG IRON AND FERRO-ALLOYS

The production of pig iron in September declined 7.32 per cent from the output of the previous month, the respective tonnages being 27,123 long tons in August as compared with 24,974 tons in the month under review. The production was also less than that of September last year by 40.8 per cent. A comparison of the cumulative production during the first nine months of 1922 with that of the corresponding period last year shows a decrease from 457,157 tons to 275,989 tons or 39.6 per cent.

One furnace was blown in at Hamilton and another at Sydney while one of the furnaces at Sault Ste. Marie was banked. At the end of the month, then, the active furnaces numbered two at Sydney, one at Hamilton and one at Sault Ste. Marie, a net gain of one furnace over the previous month.

Another development was the slight increase in the several grades of iron produced for sale. The production of basic pig iron increased from 6,577 tons in August to 7,991 tons or 21.5 per cent. The September production intended for this purpose was also higher than in September of last year by 58.14 per cent. The foundry pig iron produced for sale increased from 6,296 tons in August to 6,895 tons in September. The output of malleable iron for sale also rose from 281 tons in August to 1,096 tons in the month under review.

The production of ferro-alloys dropped slightly from 1,864 tons in August to 1,834 tons in the following month. The cumulative production during the first nine months of 1922 was 15,178 tons as compared with 18,698 tons during the corresponding period of the previous year.

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 nine months ending September.

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

Table 1 (a) - SEPTEMBER - 1922.

	IN BLAST FURNACES		IN ELECTRIC FURNACES		TOTAL PRODUCTION
	For Own Use	For Sale	For Own Use	For Sale	
PIG IRON:					
Basic.....	16,976	- - -	- -	- -	16,976
Foundry.....	7	6,895	- -	- -	6,902
Malleable.....	- - -	1,096	- -	- -	1,096
All other.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	16,983	7,991	- -	- -	24,974
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,834	1,834

Table 1 (b) - AUGUST - 1922.

PIG IRON:					
Basic.....	20,494	- - -	- -	- -	20,494
Foundry.....	52	6,296	- -	- -	6,348
Malleable.....	- - -	281	- -	- -	281
Castings.....	- - -	- - -	- -	- -	- -
TOTAL PIG IRON.....	20,546	6,577	- -	- -	27,123
TOTAL FERRO-ALLOYS.....	- - -	- - -	- -	1,864	1,864

Table 1 (c) - TOTAL for the NINE months ending SEPTEMBER, 1922.

PIG IRON:					
Basic.....	170,091	430	- -	- -	170,521
Foundry.....	303	85,094	- -	- -	85,397
Malleable.....	- - -	19,967	- -	- -	19,967
All other.....	- - -	- - -	- -	104	104
TOTAL PIG IRON.....	170,394	105,491	- -	104	275,989
TOTAL FERRO-ALLOYS.....	4,389	342	- -	10,447	15,178

No. of blast furnaces:

	First of Month	End of Month
ACTIVE.....	3.....	4
IDLE.....	17.....	16

Table 2 (a) shows the average monthly production of pig iron in Canada for the ten-year period from 1907 to 1916, inclusive, and Table 2 (b) shows the actual production by months for the years 1917 to date.

TABLE 2 (A), AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1907 - 1916.

In 1000's of Long Tons

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1907	48	53	1912	75	71
1908	47	44	1913	84	87
1909	56	56	1914	58	62
1910	60	61	1915	68	76
1911	68	66	1916	87	106

TABLE 2 (B) TOTAL PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA BY MONTHS

From 1917 to Date

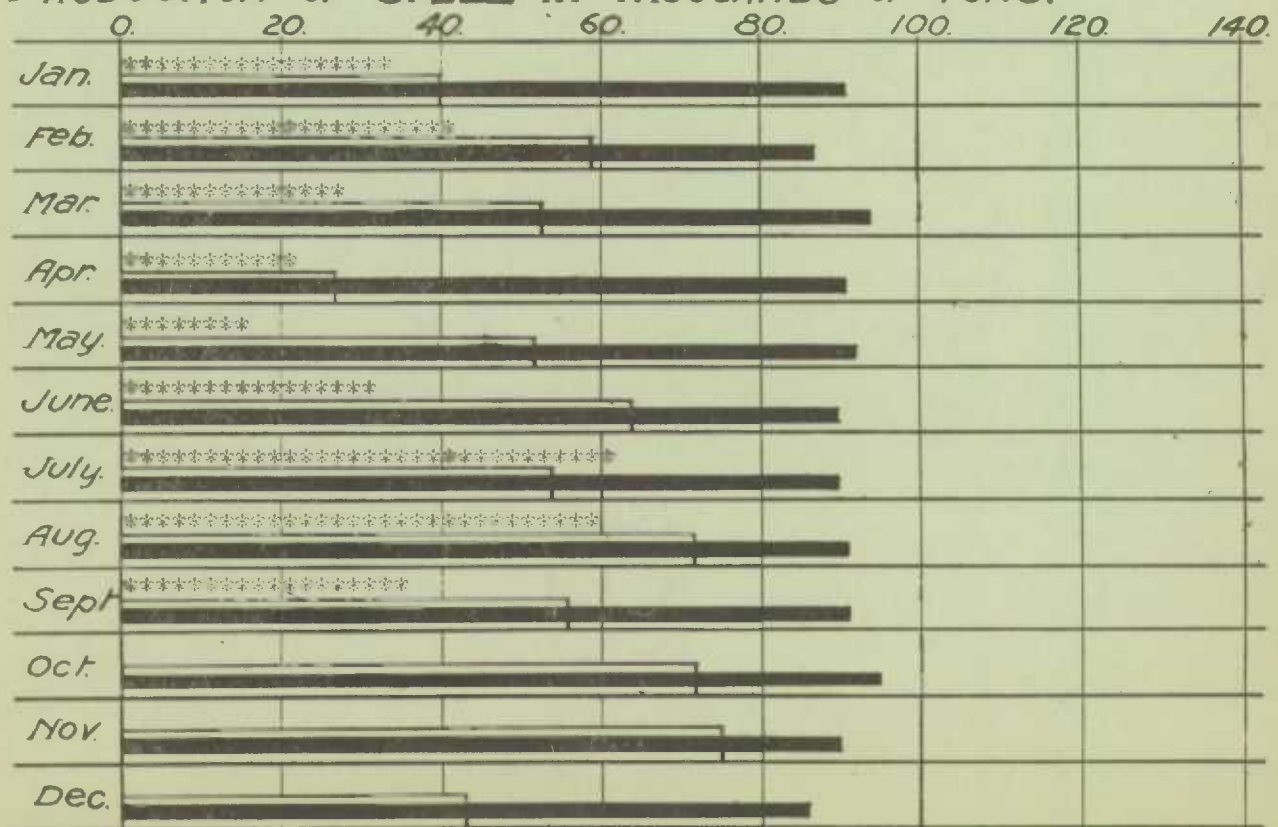
(In 1000's of Long Tons)

MONTH	1917		1918		1919		1920		1921		1922	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	80	117	66	130	93	107	73	92	41	40	32	33
February	75	108	70	124	78	90	64	84	58	59	34	42
March	93	136	86	141	82	100	69	97	60	53	42	30
April	90	125	93	149	83	75	77	93	39	27	33	22
May	97	139	94	156	74	69	87	90	56	52	23	17
June	89	122	92	148	59	68	80	91	55	64	29	37
July	83	124	98	147	54	66	84	94	54	54	32	51
August	90	130	86	152	60	54	93	105	50	72	27	59
September	90	133	85	149	51	60	94	99	44	56	25	36
October	92	144	96	164	50	66	105	111	50	72		
November	87	141	95	116	65	82	94	97	48	75		
December	78	139	106	105	70	87	54	56	40	43		
TOTAL	1044	1558	1067	1681	819	924	974	1109	595	667	277	335
MONTHLY AVERAGE	87	130	89	140	68	77	81	92	50	56	31	37

PRODUCTION OF PIG IRON IN THOUSANDS OF TONS.



PRODUCTION OF STEEL IN THOUSANDS OF TONS.



***** = 1922 ; = 1921 ; = average 1911 to 1920.

STEEL INGOTS AND CASTINGS

The production of steel in September declined by 23,373 long tons from the output of 59,160 tons in August to 35,787 tons in the month under review. The cumulative output during the first nine months of 1921 was 477,588 tons as compared with a production of 334,835 tons in the corresponding period of the present year. The closing of the steel plant at Sault Ste. Marie accounted in large measure for the decrease in production during September.

The output of basic open hearth ingots for further use declined from 56,997 tons in August to 33,815 tons in September, a decrease of 23,182 tons or 40.7 per cent. A small quantity of electric steel ingots for further use amounting to 124 tons was reported for September while none was made for direct sale.

The total production of ingots was less than the output of the corresponding month of last year by 20,540 tons or 37.7 per cent. The production in the first nine months of 1922 was 319,943 tons while that of the corresponding period of the previous year was 459,960 tons representing a decrease of 30.4 per cent. The production of steel castings also suffered a decline. The total output in August was 2,204 tons which decreased to 1,848 tons in the month under review. The decline amounted to 356 tons or 16.15 per cent. An opposing tendency developed in connection with basic open hearth castings of which the production increased from 208 tons to 837 tons. On the other hand the output of Bessemer and electric grades declined considerably.

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 nine months ending September.

The bar chart shown on the preceding page enables the reader to make quick comparisons between the ten-year average production in any month of pig iron and of steel ingots and castings with the actual output in the same month of 1921 and 1922.

Table 3 (a)

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

	AUGUST			SEPTEMBER		
	For Own Use	For Sale	Total	For Own Use	For Sale	Total
STEEL INGOTS:						
Open Hearth-Basic	56,997		56,997	33,815		33,815
Acid						
Bessemer						
Electric				124		124
TOTAL STEEL INGOTS	56,997		56,997	33,939		33,939
STEEL CASTINGS:						
Open Hearth-Basic	110	98	208	70	767	837
Acid						
Bessemer	10	1,118	1,128	7	173	180
Electric	130	738	868	3	828	831
TOTAL DIRECT STEEL CASTINGS	250	1,954	2,204	80	1,768	1,848
GRAND TOTAL	57,247	1,954	59,201	34,019	1,768	35,787

Table 3 (b)

TOTAL PRODUCTION OF STEEL INGOTS AND CASTINGS

For the NINE MONTHS ending SEPTEMBER, 1922.

	For Own Use	For Sale	Total Production
STEEL INGOTS:			
Open Hearth-Basic	319,667		319,667
Acid			
Bessemer	7	18	25
Electric	126	125	251
TOTAL STEEL INGOTS	319,800	143	319,943
STEEL CASTINGS:			
Open Hearth-Basic	1,196	4,043	5,239
Acid			
Bessemer	44	2,312	2,356
Electric	952	6,345	7,297
TOTAL DIRECT STEEL CASTINGS	2,192	12,700	14,892
GRAND TOTAL	321,992	12,843	334,835

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