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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

SEPTEMBER, 1925

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PRODUCTION OF IRON AND STEEL IN CANADA SEPTEMBER 1925

PIG IRON AND FERRO-ALLOYS

September production of pig iron in Canada was 34,609 long tons, or 31 per cent over the 26,513 tons produced in August, which in turn marked an advance of 27 per cent over the July figures. Sharp declines were noted in the foundry and malleable grades but this loss was more than offset by the increased tonnage of basic iron made for the further use of the producing firms. At 23,579 tons this grade marked a three-fold advance over the 5,308 tons made in the preceding month. Foundry iron at 9,030 tons was well under the 16,596 tons of August. No malleable iron was reported for September as against the August output of 4,609 tons.

For the nine months ending the third quarter of this year, the average monthly production was about 42,000 tons as compared with an average of 58,000 tons per month during the same period of last year; the total tonnages for the period were 372,960 tons in 1925 and 518,860 tons in 1924. This year's output consisted of 283,430 tons of basic iron, 65,039 tons of foundry iron and 24,491 tons of malleable iron.

Blast furnace charges in September consisted of 65,114 long tons of imported ore, 39,418 short tons of coke and 18,092 short tons of limestone. For the nine months the total furnace charges comprised 6,098 long tons of Canadian ore, 680,087 long tons of imported ore, 413,797 short tons of coke and 205,835 short tons of limestone.

During the month one additional furnace was blown in at Sydney, N.S., and one at Sault Ste. Marie, Ont., resulting in five furnaces being in blast on September 30th. The active furnaces had a daily capacity of 2,125 tons or about 42 per cent of the total capacity of all the furnaces in the Dominion and were located as follows: two at Sydney, N.S., two at Sault Ste. Marie, Ont., and one at Hamilton, Ont.

Ferro-alloys at 2,046 tons showed little change from the 2,095 tons of August and were mostly of the grade having a high manganese content. Small quantities of ferro-silicon were also produced.

PIG IRON AND FERRO ALLOYS IN CANADA

Table 1. PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

ITEM	SEPTEMBER 1925			AUGUST 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	25,579		25,579	5,308		5,308
Foundry.....		9,030	9,030		16,596	16,596
Malleable.....					4,609	4,609
TOTAL.....	25,579	9,030	34,609	5,308	21,205	26,513
Ferro-alloys.....		2,046	2,046		2,094	2,094

Table 2. CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER
(Tons of 2240 lb.)

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	283,086	344	283,430	332,843	5,237	338,080
Foundry.....	141	64,898	65,039	1,503	136,567	138,070
Malleable.....		24,491	24,491	7,640	35,070	42,710
TOTAL.....	283,227	89,733	372,960	341,986	176,874	518,860
Ferro-alloys.....		18,566	18,566		22,058	22,058

TABLE 3. BLAST FURNACE CHARGES - SEPTEMBER, AUGUST AND YEAR TO DATE

		SEPTEMBER	AUGUST	TOTAL 9 months
Canadian Iron ore.....	Long tons			6,098
Imported Iron ore.....	" "	65,114	48,665	680,087
Coke.....	Short tons	39,418	29,738	413,797
Limestone.....	" "	16,092	12,695	205,835

STEEL INGOTS AND CASTINGS

Steel ingots and castings in Canada advanced to 37,094 tons in September, an increase of 48 per cent over the 25,007 tons of August. Compared with the previous month direct steel castings at 1,261 tons marked a slight falling off from 1,422 tons, while steel ingots rose 52 per cent to 35,833 tons as against 23,585 tons in the preceding month.

For the nine months ending September, the cumulative production was 508,269 tons or 13 per cent under the 581,711 tons reported for the same period of last year. To date this year all of the ingots and 7 per cent of the direct castings were made for the further use of the producing firms.

Pig iron prices showed no change in September as compared with August, No. 1 foundry at Toronto still being quoted at \$25.35, No. 2 foundry at \$24.85 and both grades at Montreal at \$27.25 per ton. Basic pig iron at mill remained at \$21. The Bureau's index number for iron and its products (1913 prices = 100) remained practically stationary at 149.9 as compared with 149.3 in August.

In the United States, coke pig iron was produced at the rate of 90,873 tons per day in September as compared with the daily rate of 87,241 tons in August. This was an increase of 4.2 per cent over August, which in turn showed an advance of 1.5 per cent over the previous month. During September, 11 furnaces were blown in and 3 blown out or banked resulting in a net gain of 8 active furnaces.

STEEL INGOTS AND CASTINGS IN CANADA

Table 4 PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2240 lb.)

	SEPTEMBER 1925			AUGUST 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	33,526	-----	33,526	21,758	-----	21,758
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	2,307	-----	2,307	1,827	-----	1,827
TOTAL STEEL INGOTS	35,833	-----	35,833	23,585	-----	23,585
STEEL CASTINGS:						
Open Hearth-Basic	57	393	450	13	560	573
Acid	-----	-----	-----	-----	-----	-----
Bessemer	11	178	189	6	156	162
Electric	3	619	622	14	673	687
TOTAL DIRECT STEEL CASTINGS	71	1,190	1,261	33	1,389	1,422
GRAND TOTAL	35,904	1,190	37,094	23,618	1,389	25,007

Table 5 CUMULATIVE PRODUCTION For the NINE MONTHS ending SEPTEMBER

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	488,152	-----	488,152	556,545	-----	556,545
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	6,314	-----	6,314	1,938	-----	1,938
TOTAL STEEL INGOTS	494,466	-----	494,466	558,483	-----	558,483
STEEL CASTINGS:						
Open Hearth-Basic	884	5,722	6,606	1,138	15,459	16,597
Acid	-----	-----	-----	-----	782	782
Bessemer	55	1,185	1,240	40	1,104	1,144
Electric	30	5,927	5,957	139	4,566	4,705
TOTAL DIRECT STEEL CASTINGS	969	12,834	13,803	1,317	21,911	23,228
GRAND TOTAL	495,435	12,834	508,269	559,800	21,911	581,711

Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1912 - 1923.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1912	75	71	1918	89	140
1913	84	87	1919	68	77
1914	58	62	1920	81	92
1915	68	76	1921	50	56
1916	87	106	1922	32	40
1917	87	130	1923	73	74

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL
INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's
Long Tons) 1924-25.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1924	1925	1924	1925	1924	1925	1924	1925
January	15	8	49	20	64	28	41	27
February	12	9	48	21	60	30	71	37
March	32	23	45	41	77	64	95	108
April	31	23	53	37	84	60	104	88
May	26	24	59	39	85	63	108	100
June	22	20	35	26	57	46	69	63
July	22	-	23	21	45	21	52	22
August	3	4	20	23	23	27	23	25
September	3	12	20	23	23	35	18	37
October	8		21		29		20	
November	2		21		23		23	
December	1		22		23		26	
TOTAL	177	123	416	251	593	374	650	507
MONTHLY AVERAGE	15	14	34	28	49	42	54	56

Table 8. BLAST FURNACES IN CANADA, 1925

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

NOTE: In previous issues of this report, the number of furnaces has been given as 20 but as 5 of this number have not been operated for several years, they have been omitted from the present record.

Table 9. DESCRIPTION OF FURNACES AT END OF AUGUST

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	2,125	42
Banked	-	-	-
Blown out.....	10	2,900	58
Total furnaces reporting	15	5,025	100

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