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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

AUGUST, 1925

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PRODUCTION OF IRON AND STEEL IN CANADA AUGUST 1925

PIG IRON AND FERRO-ALLOYS

In Canada the production of coke pig iron was 26,513 long tons in August, an advance of 27 per cent over the 20,946 tons of July. Comparing the August output with that of July it is noted that basic pig iron made for the further use of the producers rose sharply from 73 tons to 5,308 tons which may be taken as an indication of an increased demand for steel furnace and rolling mill products; of the grades made for sale, malleable iron advanced from 3,206 tons to 4,609 tons while foundry iron dropped slightly from 17,667 tons to 16,596 tons.

For the eight months ending August the cumulative production was 338,351 tons as against 495,658 tons reported for the same period of last year, a drop of 32 per cent. This year's output consisted of 257,851 tons basic iron, 56,009 tons foundry iron, and 24,491 tons of malleable iron.

Blast furnace charges for the month of August included 48,665 long tons of imported ore; 29,738 short tons of coke and 12,695 short tons of limestone. For each long ton of pig iron made the furnace charges were 4,112 pounds of ore, 2,243 pounds of coke and 958 pounds of limestone.

During the month there was a net gain of one active furnace resulting in three furnaces being in blast at the end of August, located as follows: one at Sydney, N.S.; one at Hamilton, Ont., and one at Sault Ste. Marie, Ont. The active furnaces had a daily capacity of 1,275 tons or about 25 per cent of the total capacity of all blast furnaces in Canada.

Ferro-alloys at 2,094 tons marked a slight drop from the 2,209 tons of July and consisted 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	AUGUST 1925			JULY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	5,308	-----	5,308	73	-----	73
Foundry.....	-----	16,596	16,596	56	17,611	17,667
Malleable.....	-----	4,609	4,609	-----	3,206	3,206
TOTAL.....	5,308	21,205	26,513	129	20,817	20,946
Ferro-alloys.....	-----	2,094	2,094	-----	2,209	2,209

Table 2. CUMULATIVE PRODUCTION FOR THE EIGHT MONTHS ENDING AUGUST
(Tons of 2240 lb.)

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	257,507	344	257,851	329,153	4,930	334,083
Foundry.....	141	55,868	56,009	1,501	117,364	118,865
Malleable.....	-----	24,491	24,491	7,640	35,070	42,710
TOTAL.....	257,648	80,703	338,351	338,294	157,364	495,658
Ferro-alloys.....	-----	16,520	16,520	-----	20,160	20,160

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

		AUGUST	JULY	TOTAL 8 months
Canadian Iron ore.....	Long tons	-----	-----	6,098
Imported Iron ore.....	" "	48,665	36,369	614,973
Coke.....	Short tons	29,738	22,139	374,379
Limestone.....	" "	12,695	8,353	187,743

STEEL INGOTS AND CASTINGS

Production of steel ingots and castings in Canada at 25,007 tons in August showed a slight improvement over the 22,471 tons of July.

Compared with the previous month the increase of August was common to both ingots and castings, ingots advancing from 21,157 tons to 23,585 tons and direct castings from 1,314 tons to 1,422 tons. Of the total output 94.4 per cent was made for the further use of the producing firms and the balance, 5.6 per cent was intended for sale.

For the first eight months of the year the cumulative production was 471,175 tons, a drop of 16 per cent from the 563,706 tons produced in the corresponding period last year. This year's output to date averaged 39,000 tons per month, comprising 458,633 tons ingots and 12,542 tons castings.

Prices for pig iron in August were unchanged from those of June and July, the prevailing quotations being: No. 1 foundry at \$25.35 and No. 2 \$24.85 in Toronto; at Montreal both grades were \$27.25. The Bureau's index number for Iron and Its Products (1913 prices = 100), fluctuated slightly from 150.6 in July to 150.4 in August.

In the United States the pig iron output of August made an increase over the previous month for the first time since March last. The daily rate in August was 1,305 tons higher than in July, an increase of 1.5 per cent. During the month there were nine furnaces blown in and seven blown out, resulting in a net gain of 2 active furnaces for the month. It is reported that the steel mills of the Steel Corporation were operated at 75 per cent and the independent companies at 70 per cent of capacity during the last week of August.

STEEL INGOTS AND CASTINGS IN CANADA

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

	AUGUST 1925			JULY 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	21,758	-----	21,758	21,157	-----	21,157
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	1,827	-----	1,827	-----	-----	-----
TOTAL STEEL INGOTS	23,585	-----	23,585	21,157	-----	21,157
STEEL CASTINGS:						
Open Hearth-Basic	13	560	573	17	596	613
Acid	-----	-----	-----	-----	-----	-----
Bessemer	6	156	162	8	141	149
Electric	14	673	687	-----	552	552
TOTAL DIRECT STEEL CASTINGS	33	1,389	1,422	25	1,289	1,314
GRAND TOTAL	23,618	1,389	25,007	21,182	1,289	22,471

Table 5 CUMULATIVE PRODUCTION For the EIGHT MONTHS ending AUGUST

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	454,626	-----	454,626	539,960	-----	539,960
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	4,007	-----	4,007	1,479	-----	1,479
TOTAL STEEL INGOTS	458,633	-----	458,633	541,439	-----	541,439
STEEL CASTINGS:						
Open Hearth-Basic	827	5,329	6,156	1,118	15,037	16,155
Acid	-----	-----	-----	-----	782	782
Bessemer	44	1,007	1,051	34	986	1,020
Electric	27	5,308	5,335	138	4,172	4,310
TOTAL DIRECT STEEL CASTINGS	898	11,644	12,542	1,290	20,977	22,267
GRAND TOTAL	459,531	11,644	471,175	542,729	20,977	563,706

Table 6 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	63	76	1920	81	92

TABLE 7 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		1925	
	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel	Iron	Steel
January	41	40	32	33	41	46	64	41	28	27
February	58	59	34	42	44	46	60	71	30	37
March	60	53	42	30	65	89	77	95	64	108
April	39	27	33	22	84	93	84	104	60	88
May	56	52	23	17	102	104	85	108	63	100
June	55	64	29	33	99	96	57	69	46	63
July	54	54	32	63	82	74	45	52	21	22
August	50	72	27	59	93	105	23	23	27	25
September	44	56	25	36	75	66	23	18		
October	50	72	37	53	74	67	29	20		
November	48	75	34	51	62	55	23	23		
December	40	43	36	47	60	41	23	26		
TOTAL	595	667	384	466	881	884	593	650	339	470
MONTHLY AVERAGE	50	56	32	40	73	74	49	54	42	39

Table 8. BLAST FURNACES IN CANADA, 1925

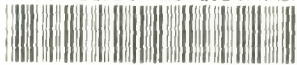
Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
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	3	1,275	25
Banked	-	-	-
Blown out	12	3,750	75
Total furnaces reporting	15	5,025	100

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