CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

VOL. 5 No. 7

Monthly Report

of the

PRODUCTION OF IRON AND STEEL

IN CANADA

JULY, 1925

Published by Authority of the HON. THOS. A. LOW, M. P.
Minister of Trade and Commerce.

OTTAWA
1925

Dominion Bureau of Statistics, Canada

R. H. COATS, B. A., F. S. S. (HON)., F.R.S.C. -- DOMINION STATISTICIAN

S. J. COOK, B.A., A.I.C., F.C.I.C., -- Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH

PRODUCTION OF IRON AND STEEL IN CANADA JULY 1925

PIG IRON AND FERRO-ALLOYS

Production of pig iron in Canaba dropped to 20,946 long tons in July. This was 54 per cent under the 45,883 tons produced inJune, and the lowest tonnage reported for any month since the establishment of monthly records in 1917. Most of the loss was in basic pig iron made for the further use of the reporting firms, this grade falling to 73 tons as compared with 38,679 tons in the previous month. Malleable iron also dropped slightly from 4,079 tons in June to 3,206 tons in July. Foundry iron advanced to 17,667 tons or 565 per cent over the 3,125 tons in the previous month. Of the total output of all grades, 99.4 per cent was made for sale.

For the first seven months of the year, the cumulative production was 11,838 tons as against 472,585 tons reported for the same period of last year. The output this year consisted of 252,543 tons of basic iron, 39,413 tons of foundry iron and 19,822 tons of malleable iron.

Blast furnace charges for the month of July included 36,369 long tons of imported ore, 22,139 short tons of coke and 8,353 short tons of limestone. For each long ton of pig iron produced in July, the furnace charges were 1.8 long tons of ore, 2,114 pounds of coke and 798 pounds of limestone.

Active furnaces at the end of the month had a capacity of 775 tons per day or about 15 per cent of the possible daily output of all blast furnaces in Canada. The active furnaces were located as follows: one at Sault Ste. Marie, Ont., and one at Hamilton, Ont.

Ferro-alloys at 2,209 tons showed little change from the 2,229 tons of June and consisted mostly of the grade containing about 80 per cent manganese. 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	JULY 1925			JUNE 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic	73	.....	73	38,679	.....	38,679
Foundry	56	17,611	17,667	.....	3,125	3,125
Malleable	.....	3,206	3,206	.....	4,079	4,079
TOTAL	129	20,817	20,946	38,679	7,204	45,883
Ferro-alloys	.....	2,209	2,209	.....	2,229	2,229

Table 2. CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY (Tons of 2240 lb.)

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic	252,199	344	252,543	323,211	4,930	328,141
Foundry	141	39,272	39,413	501	106,453	106,954
Malleable	.....	19,882	19,882	15,369	22,121	37,490
TOTAL	252,340	59,498	311,838	339,081	133,504	472,585
Ferro-alloys	.....	14,426	14,426	.....	17,965	17,965

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

		JULY	June	TOTAL 7 months
Canadian Iron ore	Long tons	.....	1,383	6,098
Imported Iron ore	" "	36,369	81,479	566,308
Coke	Short tons	22,139	51,528	344,641
Limestone	" "	8,353	29,334	175,048

STEEL INGOTS AND CASTINGS

Steel ingots and castings in July reflected the lowered output of pig iron by dropping to 22,471 long tons, a decline of 40,669 tons from the June production of 63,140 tons. The recession from last month's output was general in all grades with the single exception of bessemer steel castings produced in which there was a slight rise to 149 tons. Basic open hearth steel ingots made for further use by the reporting firms dropped to 21,157 tons or 65 per cent under the 60,983 tons of June. Other grades produced in July were 613 tons Basic open hearth steel castings and 552 tons electric castings.

For the seven months ending July, the cumulative production of all grades was 446,168 tons or 18 per cent under the 540,970 tons for the first seven months of last year. This year's output consisted of 435,048 tons of steel ingots and 11,120 tons of steel castings.

Pig iron prices remained at the same level in July as in June, No. 1 foundry at Toronto being $25.35 and No. 2 - $24.85; at Montreal both grades remained at $27 25. The Bureau's index number for Iron and Its Products (1913 prices = 100) fell from 151.7 in June to 151.5 in July because of lower prices for steel billets at Montreal.

In the United States the output of pig iron was 85,936 tons per day in July, a recession of 3.6 per cent or 3,179 tons from the June average of 89,115 tons. Although the month of July registered a decline from the production in June, the drop was the smallest reported for any month since the downward trend started in April. During the month seven furnaces went out and eight were blown in resulting in a gain of one active furnace in July.

STEEL INGOTS AND CASTINGS IN CANADA

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

	JULY 1925			JUNE 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	21,157	.....	21,157	60,983	.....	60,983
Acid	.....	.....	.....	.....	.....	.....
Bessemer	.....	.....	.....	.....	.....	.....
Other	.....	.....	.....	487	.....	487
TOTAL STEEL INGOTS	21,157	.....	21,157	61,470	.....	61,470
STEEL CASTINGS:						
Open Hearth-Basic	17	596	613	211	655	866
Acid	.....	.....	.....	.....	.....	.....
Bessemer	8	148	149	6	98	104
Electric	.....	552	552	1	699	700
TOTAL DIRECT STEEL CASTINGS	25	1,289	1,314	218	1,452	1,670
GRAND TOTAL	21,182	1,289	22,471	61,688	1,452	63,140

Table 5 CUMULATIVE PRODUCTION For the SEVEN MONTHS ending JULY

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	432,868	.....	432,868	518,810	.....	518,810
Acid	.....	.....	.....	.....	.....	.....
Bessemer	.....	.....	.....	.....	.....	.....
Other	2,180	.....	2,180	1,210	.....	1,210
TOTAL STEEL INGOTS	435,048		435,048	520,020		520,020
STEEL CASTINGS:						
Open Hearth-Basic	814	4,769	5,583	1,081	14,397	15,478
Acid	.....	.....	.....	.....	782	782
Bessemer	38	851	889	30	870	900
Electric	13	4,635	4,648	133	3,657	3,790
TOTAL DIRECT STEEL CASTINGS	865	10,255	11,120	1,244	19,706	20,950
GRAND TOTAL	435,913	10,255	446,168	521,264	19,706	540,970

Table 6 AVERAGE MONTHLY PRODUCTION OF

P.G IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1911 - 1920.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE Iron	Steel	YEAR	MONTHLY AVERAGE 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	68	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	48	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		
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	486	881	884	593	650	312	445
MONTHLY AVERAGE	50	56	32	40	73	74	49	54	26	64

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 Colbrne, 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 JUNE

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	2	775	15
Banked	1	500	10
Blown out	12	3,750	75
Total furnaces reporting	15	5,025	100