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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

NOVEMBER, 1925.

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Dominion Bureau of Statistics, Canada

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PRODUCTION OF IRON AND STEEL IN CANADA NOVEMBER 1925

PIG IRON AND FERRO-ALLOYS

November production of pig iron in Canada totalled 68,535 long tons, a decline of 7 per cent from the 74,013 tons produced in the preceding month. While the output was slightly less than the highest monthly record for the year established in October, the total was about 21,000 tons over the average monthly production this year and was almost double the 34,609 tons of September. Nova Scotia accounted for 42 per cent of the November total, the balance being produced in Ontario.

By grades, this output included 41,386 tons of basic iron, 25,602 tons of foundry iron and 1,547 tons of malleable iron. Of this production, 59 per cent was made for the further use of the producing companies and the balance, or 41 per cent, was intended for sale.

Blast furnaces charges in November consisted of 123,374 long tons of imported ore, 77,848 short tons of coke and 39,130 short tons of limestone. For each long ton of pig iron made the furnace charges were - 4,059 pounds of imported ore, 2,290 pounds of coke and 1,151 pounds of limestone.

On November 30th, the capacity of the active furnaces in Canada was 1,825 long tons per day, or 36 per cent of the total capacity of all possible producers; at the end of October furnaces in blast represented 53 per cent of the total possible capacity. Two furnaces were blown out during the month, one at Sault Ste. Marie, Ontario, and one at Sydney, N.S., leaving five furnaces in blast on November 30th. The active furnaces were located: two at Sydney, N.S., two at Hamilton, Ontario, and one at Sault Ste. Marie, Ontario.

Ferro alloys at 2,094 long tons marked a slight increase over the 2,041 tons of October and consisted mostly of the grade having a high manganese content. Small quantities of ferro-silicon were also produced.

STEEL INGOTS AND CASTINGS

Steel ingots and castings in Canada in November reflected the lower output of pig iron by falling to 73,205 long tons, which although 33 per cent under the 108,868 tons of October was about double the 37,094 tons reported for September. The drop was in basic open hearth steel ingots made for the further use of the producers; this grade fell 34 per cent to 69,497 tons as compared with 105,410 tons in October. Alloy steel ingots at 1,998 tons and direct steel castings at 1,710 tons marked small advances.

For the eleven months ending November the cumulative production of steel ingots and castings was 690,342 tons, an increase of 11 per cent over the 624,451 tons made during the same period of 1924. This year's output to date was composed of 663,059 tons basic open hearth steel ingots, 10,097 tons alloy steel ingots, 8,307 tons basic open hearth steel castings, 1,604 tons of converter castings and 17,186 tons electric castings.

Pig iron prices were higher in November, No. 1 foundry at Toronto being quoted at \$26.85 and No. 2 foundry at \$26.35 as compared with \$25.35 and \$24.85 respectively in October. At Montreal, both grades were \$28.75 as compared with \$27.25 in October. The Bureau's index number for Iron and Its Products based on prices at the middle of the month (1913 prices = 100) declined from 147.3 to 147.1, higher levels for pig iron and scrap iron being more than offset by lower prices for tin plate, round and square steel bars, black steel sheets and wire nails.

In the United States the November production of coke pig iron at 100,516 tons per day showed an increase of 3 per cent over the October average daily rate of 97,528 tons. During the month there was a net gain of 14 active furnaces, 19 having been blown in and 5 blown out.

PIG IRON AND FERRO ALLOYS IN CANADA

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

ITEM	NOVEMBER 1925			OCTOBER 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	40,174	1,212	41,386	61,225	154	61,379
Foundry.....	74	25,528	25,602	20	9,361	9,381
Malleable.....		1,547	1,547	936	2,317	3,253
TOTAL.....	40,248	28,287	68,535	62,181	11,832	74,013
Ferro-alloys.....		2,094	2,094		2,041	2,041

Table 2. CUMULATIVE PRODUCTION FOR THE ELEVEN MONTHS ENDING NOVEMBER
(Tons of 2240 lb.)

ITEM	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	384,485	1,710	386,195	335,115	6,559	341,674
Foundry.....	235	99,787	100,022	1,512	178,867	180,379
Malleable.....	936	28,355	29,291	7,640	40,787	48,427
TOTAL.....	385,656	129,852	515,508	344,267	226,213	570,480
Ferro-alloys.....		22,701	22,701		24,781	24,781

TABLE 3. BLAST FURNACE CHARGES - NOVEMBER, OCTOBER AND YEAR TO DATE

		NOVEMBER	OCTOBER	TOTAL 11 months
Canadian Iron ore.....	Long tons			6,098
Imported Iron ore.....	" "	123,374	120,100	923,561
Coke.....	Short tons	77,848	84,977	576,622
Limestone.....	" "	39,130	45,846	290,811

STEEL INGOTS AND CASTINGS IN CANADA

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

	NOVEMBER 1925			OCTOBER 1925		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	69,497		69,497	105,410		105,410
Acid						
Bessemer						
Other	1,998		1,998	1,785		1,785
TOTAL STEEL INGOTS	71,495		71,495	107,195		107,195
STEEL CASTINGS:						
Open Hearth-Basic	231	701	932	225	544	769
Acid						
Bessemer	4	162	166	8	190	198
Electric	1	611	612	2	704	706
TOTAL DIRECT STEEL CASTINGS	236	1,474	1,710	235	1,438	1,673
GRAND TOTAL	71,731	1,474	73,205	107,430	1,438	108,868

Table 5 CUMULATIVE PRODUCTION For the ELEVEN MONTHS ending NOVEMBER

	1925			1924		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	663,059		663,059	595,627		595,627
Acid						
Bessemer						
Other	10,097		10,097	3,964		3,964
TOTAL STEEL INGOTS	673,156		673,156	599,591		599,591
STEEL CASTINGS:						
Open Hearth-Basic	1,340	6,967	8,307	1,210	16,159	17,369
Acid					782	782
Bessemer	67	1,537	1,604	46	1,239	1,285
Electric	33	7,242	7,275	141	5,283	5,424
TOTAL DIRECT STEEL CASTINGS	1,440	15,746	17,186	1,397	23,463	24,860
GRAND TOTAL	674,596	15,746	690,342	600,988	23,463	624,451

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	26	21	48	29	74	20	109
November	2	29	21	40	23	69	23	73
December	1		22		23		26	
TOTAL	177	178	416	339	593	517	650	689
MONTHLY AVERAGE	15	16	34	31	49	47	54	63

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 NOVEMBER

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	1,825	36
Banked	-	-	-
Blown out.....	10	3,200	64
Total furnaces reporting.....	15	5,025	100

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