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of the
PRODUCTION OF IRON AND STEEL
IN CANADA

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PRODUCTION OF IRON AND STEEL IN CANADA

February 1927

PIG IRON - Production of pig iron in Canada during February amounted to 50,695 long tons marking a decline of 2 per cent from the output of 51,717 long tons in January, but a slight increase over the output in February of a year ago. Production of basic iron totalled 27,977 tons as against 28,852 tons in January; foundry iron showed a decline of about 50 per cent to 10,811 tons, but the output of malleable iron increased to 11,907 tons from only 965 tons last month.

For the two months ending February the cumulative production of pig iron in Canada was 102,412 tons or about 4,000 tons below the output in the first two months of last year. This year's production was composed of 56,829 tons of basic iron, 32,711 tons of foundry iron and 12,872 tons of malleable iron; 56 per cent of the whole was made for the further use of the producers and the balance was intended for sale.

Blast furnace charges for February included 88,393 long tons of imported iron ore, 57,814 short tons of coke and 27,046 short tons of limestone. For each long ton of pig iron made this represented a furnace charge of 3,906 pounds of ore, 2,281 pounds of coke and 1,067 pounds of limestone.

During the month one furnace was blown in and one was blown out, leaving five furnaces in blast on February 28. The active furnaces had a capacity of 2,075 long tons per day or about 41 per cent of the total Dominion capacity and were located as follows: 2 at Sydney, N.S., 2 at Hamilton, Ont., and 1 at Sault Ste. Marie, Ont.

Ferro-alloys at 3,601 tons showed a decline of 8 per cent over the output of 3,926 tons in the previous month. The month's output consisted mostly of the grade having a high manganese content but small quantities of ferrosilicon were also produced.

STEEL INGOTS AND CASTINGS - Production of steel ingots and castings in Canada during February, at 55,620 long tons, showed a decline of 5 per cent from the 58,551 tons of January but was 5 per cent greater than the 53,157 tons reported for February, 1926. The output of steel ingots was lower at 52,144 tons as against 55,898 tons in the previous month, but steel castings rose to 3,476 tons from the 2,653 tons reported in February.

For the two months ending February the total output was 114,171 tons or a decline of 6 per cent from the 121,693 tons reported for the same two months of last year. This year's production included 108,042 tons of steel ingots and 6,129 tons of steel castings. All of the steel ingots and 8 per cent of the steel castings were intended for the further use of the producers.

Pig iron prices stood at considerably lower levels than in January. At Montreal No. 1 foundry was quoted at \$27.00 on February 15th as compared with \$28.20 on January 15th and No. 2 foundry at \$26.50 as compared with \$27.70. At Toronto No. 1 foundry was \$24.80 and No. 2 foundry \$24.30 as compared with \$25.80 and \$25.30 in January. These quotations brought Canadian prices in line with the weakened market for iron in the United States. The Bureau's index number for iron and its products (1913 prices = 100) declined from 145.5 to 144.4 due mainly to declines in pig iron, steel billets and steel chain.

In the United States the February production of coke pig iron made a sharp gain over the output for January. The daily rate was 104,934 tons as compared with 100,123 tons per day in January, an increase of 4,811 tons per day or 4.8 per cent. There was a net gain of 9 furnaces in February; 11 furnaces were blown in and 2 blown out or banked.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	FEBRUARY 1927			JANUARY 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	27,826	151	27,977	28,727	125	28,852
Foundry.....	193	10,618	10,811	102	21,798	21,900
Malleable.....	.....	11,907	11,907	.....	965	965
TOTAL.....	28,019	22,676	50,695	28,829	22,888	51,717
Ferro-alloys.....	.....	3,601	3,601	.....	3,926	3,926

Table 2. CUMULATIVE PRODUCTION FOR THE TWO MONTHS ENDING FEBRUARY
(Tons of 2240 lb.)

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	56,553	276	56,829	72,790	1,972	74,762
Foundry.....	295	32,416	32,711	289	28,671	28,960
Malleable.....	.....	12,872	12,872	.....	2,668	2,668
TOTAL.....	56,848	45,564	102,412	73,079	33,311	106,390
Ferro-alloys.....	.....	7,527	7,527	.....	4,567	4,567

Table 3. BLAST FURNACE CHARGES - FEBRUARY, JANUARY AND YEAR TO DATE

	FEBRUARY	JANUARY	YEAR TO DATE
Canadian Iron ore.....Long tons	.....	.....	.....
Imported Iron ore....." "	88,393	91,380	179,773
Coke.....Short tons	57,814	59,560	117,374
Limestone....." "	27,046	28,759	55,805

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	FEBRUARY 1927			JANUARY 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	50,863	-----	50,863	55,172	-----	55,172
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	1,281	-----	1,281	726	-----	726
TOTAL STEEL INGOTS	52,144	-----	52,144	55,898	-----	55,898
STEEL CASTINGS:						
Open Hearth-Basic	118	1,640	1,758	160	1,218	1,378
Acid	-----	-----	-----	-----	-----	-----
Bessemer	6	142	148	9	144	153
Electric	151	1,419	1,570	-----	1,122	1,122
TOTAL DIRECT STEEL CASTINGS	275	3,201	3,476	169	2,484	2,653
GRAND TOTAL	52,419	3,201	55,620	56,067	2,484	58,551

Table 5 CUMULATIVE PRODUCTION for the TWO MONTHS ending FEBRUARY

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	106,035	-----	106,035	114,612	-----	114,612
Acid	-----	-----	-----	-----	-----	-----
Bessemer	-----	-----	-----	-----	-----	-----
Other	2,007	-----	2,007	1,816	-----	1,816
TOTAL STEEL INGOTS	108,042	-----	108,042	116,428	-----	116,428
STEEL CASTINGS:						
Open Hearth-Basic	278	2,858	3,136	351	2,381	2,732
Acid	-----	-----	-----	-----	-----	-----
Bessemer	15	286	301	11	158	169
Electric	151	2,541	2,692	5	2,359	2,364
TOTAL DIRECT STEEL CASTINGS	444	5,685	6,129	367	4,898	5,265
GRAND TOTAL	108,486	5,685	114,171	116,795	4,898	121,693

Table 5 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1914 - 1925.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1914	58	62	1920	81	92
1915	68	76	1921	50	56
1916	87	106	1922	32	40
1917	87	130	1923	73	74
1918	89	140	1924	49	54
1919	68	77	1925	48	63

TABLE 7 PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND CASTINGS BY MONTHS IN CANADA (In 1000's of Long Tons) 1926-1927.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1926	1927	1926	1927	1926	1927	1926	1927
January	25	22	32	30	57	52	69	59
February	20	20	30	31	50	51	53	56
March	22		31		53		59	
April	21		47		68		80	
May	22		51		73		90	
June	21		50		71		81	
July	20		47		67		65	
August	14		45		59		46	
September	18		46		64		59	
October	22		48		70		64	
November	22		40		52		54	
December	23		31		54		58	
TOTAL	250	42	48	61	738	103	778	115
MONTHLY AVERAGE	21	21	41	30	61	51	65	57

Table 8. BLAST FURNACES IN CANADA, 1927

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

Table 9. DESCRIPTION OF FURNACES AT END OF FEBRUARY

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	5	2,075	41
Banked	-	-	-
Blown out.....	10	2,950	59
Total furnaces reporting.....	15	5,025	100

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