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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

OCTOBER, 1927

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PRODUCTION OF IRON AND STEEL IN CANADA

October 1927

Production of pig iron in Canada during October amounted to 38,097 long tons. This output was the lowest reported for any month since September, 1925, and was 27 per cent less than the 52,470 tons of the previous month and 46 per cent below the tonnage produced in October of a year ago.

Compared with September, this month's output showed declines in all grades. Basic pig iron dropped to 30,356 tons from 35,609 tons; foundry iron to 7,741 tons from 11,979 tons, while no malleable iron was made as against 4,882 tons reported for last month.

For the ten months ending October, blast furnace production totalled 608,511 tons, a decline of 4 per cent from the 631,187 tons reported for the corresponding period of last year. This year's output included 431,674 tons of basic iron; 145,443 tons of foundry iron and 31,394 tons of malleable iron.

Furnace charges for October included 65,407 long tons of imported iron ore, 41,169 short tons of coke and 22,830 short tons of limestone.

During the month, one furnace at Hamilton, Ontario, was blown out for re-lining with the result that only 3 furnaces were in blast on October 31. Active furnaces, having a daily capacity of 1,075 long tons or 21 per cent of the total capacity of all the blast furnaces in Canada, were located at the following points: 1 each at Hamilton, Ontario Sault Ste. Marie, Ontario, and Sydney, N.S.

Production of ferro-alloys amounted to 4,815 tons in October and the total for the year to date was 47,649 tons.

ERRATA

September's issue of this bulletin, paragraph 2, page 2, should read "For the nine months ending September, the cumulative production of pig iron totalled 570,414 tons, an increase of 2 per cent over the 561,063 tons produced in the corresponding period of last year, etc."

STEEL INGOTS AND CASTINGS.

Production of steel ingots and direct steel castings in October amounted to 56,371 long tons, an increase of 4 per cent over the 54,250 tons of September, but a decrease of 11 per cent in comparison with the 63,542 tons produced in October of last year. The gain in output was due to the greater tonnage of steel ingots made ; this grade rose to 54,190 tons from 52,010 tons and more than offset the slight loss in direct steel castings which fell to 2,181 tons from 2,240 tons in the previous month.

For the ten months ending October 31, the cumulative production of steel ingots and castings totalled 730,660 tons, an increase of 9 per cent over the 664,084 tons produced in the corresponding period of a year ago. This year's output included 695,688 tons of steel ingots and 34,972 tons of direct steel castings. During the first ten months of last year 635,124 tons of steel ingots and 28,960 tons of steel castings were produced in Canada.

Pig iron prices in Canada were again unchanged in October. At Montreal No. 1 and No. 2 foundry were still quoted at \$26.00-\$26.50 and at Toronto, both grades were \$23.60-\$24.10. The Bureau's index for Iron Its Products (1913 prices = 100) declined slightly in October to 142.2 as compared with 142.6 in the previous month. A slight recession in the price of steel sheets was mainly responsible for the decline.

In the United States, pig iron production registered another sharp decline in October when the daily rate fell to 89,810 tons, a decline of 2,688 tons or 2.9 per cent from the 92,498 tons of September. October was the seventh month in succession to show a lower output and the daily rate in October was the smallest since August, 1925, when it was 87,241 tons per day. During the month 10 furnaces were shut down and 3 blown in, a net loss of 7.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	OCTOBER 1927			SEPTEMBER 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	30,356		30,356	35,179	430	35,609
Foundry.....	46	7,695	7,741	56	11,923	11,979
Malleable.....					4,882	4,882
TOTAL.....	30,402	7,695	38,097	35,235	17,235	52,470
Ferro-alloys.....		4,815	4,815		4,771	4,771

Table 2. CUMULATIVE PRODUCTION FOR THE TEN MONTHS ENDING OCTOBER
(Tons of 2240 lb.)

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	421,148	10,526	431,674	401,072	16,850	417,922
Foundry.....	6,819	138,624	145,443	1,889	170,414	172,303
Malleable.....		31,394	31,394		40,962	40,962
TOTAL.....	427,967	180,544	608,511	402,961	228,226	631,187
Ferro-alloys.....		47,649	47,649		30,482	30,482

Table 3. BLAST FURNACE CHARGES - OCTOBER, SEPTEMBER AND YEAR TO DATE

	OCTOBER	SEPTEMBER	YEAR TO DATE
Canadian Iron ore..... Long tons			
Imported Iron ore..... " "	65,407	91,790	1,082,725
Coke..... Short tons	41,169	57,156	680,843
Limestone..... " "	22,830	29,625	339,706

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	OCTOBER 1927			SEPTEMBER 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic Acid	53,955	-----	53,955	51,711	-----	51,711
Bessemer	-----	-----	-----	-----	-----	-----
Other	201	34	235	286	13	299
TOTAL STEEL INGOTS	54,156	34	54,190	51,997	13	52,010
STEEL CASTINGS:						
Open Hearth-Basic Acid	179	634	813	124	761	885
Bessemer	5	209	214	8	155	163
Electric	6	1,148	1,154	8	1,184	1,192
TOTAL DIRECT STEEL CASTINGS	190	1,991	2,181	140	2,100	2,240
GRAND TOTAL	54,346	2,025	56,371	52,137	2,113	54,250

Table 5 CUMULATIVE PRODUCTION for the TEN MONTHS ending OCTOBER

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic Acid	689,972	-----	689,972	620,909	25	620,934
Bessemer	-----	-----	-----	-----	-----	-----
Other	5,669	47	5,716	14,190	-----	14,190
TOTAL STEEL INGOTS	695,641	47	695,688	635,099	25	635,124
STEEL CASTINGS:						
Open Hearth-Basic Acid	1,611	15,200	16,811	1,650	15,636	17,286
Bessemer	72	1,781	1,853	65	1,306	1,371
Electric	213	16,095	16,308	64	10,239	10,303
TOTAL DIRECT STEEL CASTINGS	1,896	33,076	34,972	1,779	27,181	28,960
GRAND TOTAL	697,537	33,123	730,660	636,878	27,206	664,084

Table 6 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	25	31	51	53	76	59	107
April	21	24	47	53	68	77	80	109
May	22	24	51	55	73	79	90	97
June	21	21	50	48	71	69	81	60
July	20	20	47	31	67	51	65	55
August	14	16	45	45	59	63	46	77
September	18	14	46	38	64	52	59	54
October	22	15	48	23	70	38	64	56
November	22		30		52		54	
December	23		31		54		58	
TOTAL	250	201	488	405	738	608	778	730
MONTHLY AVERAGE	21	20	41	41	61	61	64	73

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 OCTOBER

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	3	1,075	21
Banked	-	-	-
Blown out.....	12	3,950	79
Total furnaces reporting.....	15	5,025	100

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