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on

PRODUCTION OF IRON AND STEEL

in Canada

NOVEMBER 1928

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PRODUCTION OF IRON AND STEEL IN CANADA

NOVEMBER 1928

PIG IRON.— Production of pig iron in Canada during November at 95,426 long tons was the second highest monthly tonnage reported for the year to date and only 2 per cent under the record established in August at 97,379 tons. The November output exceeded the October total of 93,186 tons by 2 per cent and was two and one half times greater than the production of 37,989 tons in November of a year ago.

In the eleven months ending November, 1928, the cumulative production reached 934,085 tons, marking an increase of 43 per cent over the 646,500 tons made during the corresponding period of 1927, which in turn was 5 per cent under the 683,532 tons reported for the first eleven months of 1926. The current year's output included 658,514 tons basic iron, 195,733 tons of foundry iron and 79,838 tons of malleable iron.

Furnace charges during November included 169,359 long tons of imported iron ore, 51,123 short tons of limestone and 104,573 short tons of coke. Of the limestone only 8,712 tons were from Canadian mines and of the coke, 39,443 tons were produced in Canada from Canadian coal and 54,730 tons were made in Canada from imported coal. The remainder of both limestone and coke, was imported. Furnace charges for the year to date totalled 1,619,692 long tons of ore, 510,113 short tons of limestone and 1,015,589 short tons of coke.

During the month one additional furnace was blown in at Sydney resulting in eight furnaces being in blast on November 30. The active furnaces had a daily capacity of 3,075 long tons per day or about 75 per cent of the total capacity of all blast furnaces in Canada. They were located as follows: 3 at Sydney, N.S.; 2 at Sault Ste. Marie, Ont.; 2 at Hamilton, Ont.; and 1 at Port Colborne, Ont.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during November amounted to 4,532 tons or more than double the 2,127 tons of October. For the year to date production totalled 40,073 tons as compared with 52,161 tons during the first eleven months of 1927.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada at 108,463 tons in November was slightly under the output of 108,987 tons for the previous month and 34 per cent over the total of 80,730 tons produced in November, 1927. The decline in total tonnage for November was due to the decrease in output of steel ingots which dropped to 104,501 tons from 105,437 tons; steel castings increased to 3,962 tons from 3,550 tons.

For the eleven months ending November, the cumulative production of steel ingots and castings totalled 1,137,160 tons, an increase of 40 per cent over the 811,390 tons made during the corresponding period of last year which in turn was 13 per cent greater than the output of 718,395 tons in the first eleven months of 1926. This year's output included 1,097,977 tons of steel ingots and 39,183 tons of steel castings.

PRICES.- Pig iron prices were slightly higher in November than in October. Foundry iron quotations at Montreal were quoted at \$25.50 to \$26.00 for No. 1, and \$25.00 to \$25.50 for No. 2. At Toronto, No. 1 and No. 2 foundry were \$24.10 to \$24.60. The Bureau's index for iron and its products (1913 prices = 100) rose slightly in November to 140.6 as compared with 139.4 in October. Steel sheets, steel bars and pig iron showed an upward trend.

UNITED STATES.- November pig iron production in the United States, reported as averaging 110,084 tons per day, reached the highest monthly output since April, 1927, and the largest November output since 1918. The gain over October was at the rate of 1,252 tons per day or 1.15 per cent. In October the increase over September was 6,755 tons per day or 6.6 per cent. During November, three furnaces were blown in and six shut down, a net loss of three.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	NOVEMBER 1928			OCTOBER 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	65,157	2,083	67,240	62,799	3,026	65,825
Foundry.....	147	20,871	21,018	173	13,566	13,739
Malleable.....	-----	7,168	7,168	-----	13,622	13,622
TOTAL.....	65,304	30,122	95,426	62,972	30,214	93,186
Ferro-alloys.....	-----	4,532	4,532	-----	2,127	2,127

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

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	645,772	12,742	658,514	456,411	10,801	467,212
Foundry.....	7,690	188,043	195,733	6,904	140,990	147,894
Malleable.....	-----	79,838	79,838	-----	31,394	31,394
TOTAL.....	653,462	280,623	934,085	463,315	183,185	646,500
Ferro-alloys.....	-----	40,073	40,073	-----	52,161	52,161

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

		NOVEMBER	1928 OCTOBER	1928 YEAR TO DATE
Imported Iron ore.....	Long tons	169,359	156,907	1,619,692
Canadian Limestone.....	Short tons	8,712	11,112	112,778
Imported Limestone.....	" "	42,411	38,760	397,335
Coke made in Canada:-				
From Canadian coal.....	" "	39,443	31,479	335,314
From Imported coal.....	" "	54,730	56,576	618,785
Imported coke.....	" "	10,400	10,222	61,490

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	NOVEMBER 1928			OCTOBER 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	103,137	-----	103,137	103,704	-----	103,704
Acid	-----	-----	-----	-----	-----	-----
Electric	-----	-----	-----	823	-----	823
Other	1,364	-----	1,364	910	-----	910
TOTAL STEEL INGOTS	104,501	-----	104,501	105,437	-----	105,437
STEEL CASTINGS:						
Open Hearth-Basic	231	1,924	2,155	202	1,412	1,614
Acid	-----	-----	-----	-----	-----	-----
Bessemer	5	189	194	8	170	178
Electric	102	1,511	1,613	100	1,658	1,758
TOTAL DIRECT STEEL CASTINGS	338	3,624	3,962	310	3,240	3,550
GRAND TOTAL	104,839	3,624	108,463	105,747	3,240	108,987

Table 5 CUMULATIVE PRODUCTION for the ELEVEN MONTHS ending NOVEMBER

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	1,081,705	-----	1,081,705	767,880	-----	767,880
Acid	-----	-----	-----	-----	-----	-----
Electric	8,286	184	8,470	-----	-----	-----
Other	7,619	183	7,802	6,162	82	6,244
TOTAL STEEL INGOTS	1,097,610	367	1,097,977	774,042	82	774,124
STEEL CASTINGS:						
Open Hearth-Basic	2,149	16,509	18,658	1,829	15,761	17,590
Acid	-----	-----	-----	-----	-----	-----
Bessemer	92	1,720	1,812	76	1,928	2,004
Electric	372	18,341	18,713	221	17,451	17,672
TOTAL DIRECT STEEL CASTINGS	2,613	36,570	39,183	2,126	35,140	37,266
GRAND TOTAL	1,100,223	36,937	1,137,160	776,168	35,222	811,390

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1915 - 1928.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
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
1920	81	92	1926	63	64

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) 1927-1928.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1927	1928	1927	1928	1927	1928	1927	1928
January	22	22	30	43	52	65	59	84
February	20	24	31	41	51	65	56	99
March	25	26	51	52	76	78	107	118
April	24	25	53	50	77	75	109	113
May	24	24	55	64	79	88	97	118
June	21	24	48	73	69	97	60	117
July	20	21	31	74	51	95	55	83
August	16	23	47	69	63	92	77	89
September	14	24	38	67	52	91	54	100
October	15	25	23	68	38	93	56	109
November	21	30	17	65	38	95	81	108
December	26		37		63		96	
TOTAL	248	268	461	666	709	934	907	1,138
MONTHLY AVERAGE	21	24	38	61	59	85	76	103

Table 8. BLAST FURNACES IN CANADA, 1928 REVISED

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,400
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	300
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,125

Table 9. DESCRIPTION OF FURNACES AT END OF NOVEMBER 1928

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	8	3,075	75
Banked.....	-	-	-
Blown out.....	3	1,050	25
Total furnaces reporting.....	11	4,125	100

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