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on

PRODUCTION OF IRON AND STEEL

in Canada

SEPTEMBER 1929

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PRODUCTION OF IRON AND STEEL IN CANADA

SEPTEMBER 1929

PIG IRON.- Production of coke pig iron in Canada during September amounted to 98,816 long tons, according to a statement published by the Dominion Bureau of Statistics at Ottawa. This output was 12 per cent under the total for August when 112,528 tons were produced, and the highest monthly record for the year was established. Production in September of a year ago amounted to 90,516 tons. The recession from August was most noticeable in the figures for basic iron which dropped to 55,194 tons from 77,048 tons and in malleable iron reported at 6,141 tons as against 11,758 tons in the preceding month; foundry iron showed an advance of 11 per cent to 37,481 tons from 23,722 tons.

For the nine months ending September 30, 1929, production totalled 829,687 tons, an increase of 12 per cent over the aggregate of 745,473 tons for the corresponding period of last year. Tonnages for the nine months' period of other years were as follows: 1927 - 570,414 tons; 1926 - 561,063 tons, 1925 - 372,960 tons; and 518,860 tons in 1924. This year's output to date included 613,241 tons of basic iron, 163,034 tons of foundry iron and 53,412 tons of malleable iron.

Blast furnace charges during September consisted of 175,469 long tons of imported iron ore, 52,634 short tons of limestone and 107,280 short tons of coke. Of the limestone, 10,663 tons were mined in Canada and the remainder was imported; of the coke made in Canada, 41,221 tons were produced from Canadian coal and 55,314 tons from imported coal. For the year to date, blast furnace charges included 1,459,095 tons of imported ore, 459,706 tons of limestone and 893,447 tons of coke.

During the month one furnace at Sault Ste. Marie was closed down leaving 8 furnaces in blast on September 30. The active furnaces had a daily capacity of 3,125 long tons per day, representing 75 per cent of the total capacity of all blast furnaces in Canada, and were located as follows: 3 at Sydney, N.S.; 2 at Hamilton, Ont.; 2 at Sault Ste. Marie, Ont.; and 1 at Port Colborne, Ont.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during September at 7,131 tons was slightly lower than the total of 7,178 tons reported for the previous month. For the nine months' period the tonnage amounted to 57,932 tons in 1929, 33,414 tons in 1928, and 42,834 tons in 1927.

STEEL INGOTS AND CASTINGS.- Production in Canada of steel ingots and direct steel castings during September dropped to 99,000 tons from 120,282 tons reported for the previous month but the output was very close to the 99,888 tons produced in September, 1928. The decline from August was mostly in the output of steel ingots which grade fell off to 93,584 tons from 113,422 tons and steel castings were also lower at 5,416 tons as against 6,860 tons.

For the nine months ending September 30, 1929, the cumulative output was 1,087,951 tons, showing an increase of 18 per cent over the 919,710 tons reported for the first nine months of last year. This year's total to date included 1,033,854 tons of steel ingots and 54,097 tons of direct steel castings.

PRICES.- Actual prices remained substantially unchanged during September but a greater amount of forward buying was reported. Quotations for No. 1 and No. 2 foundry iron remained unchanged; at Montreal, \$26.00 and \$25.50 per gross ton respectively; and at Toronto, \$24.60 and \$24.10 per gross ton. The Bureau's index for "Iron and Its Products" was stationary at 93.9 for September.

UNITED STATES.- In the United States data collected on October 1 showed that September pig iron established a new record for that month. A new total for the first nine months of any year was also registered. September production was at the rate of 115,553 long tons per day, a decline of 4.6 per cent from the August rate of 121,151 tons per day. During the month nine furnaces were shut down and four blown in, a net loss of five active furnaces.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	SEPTEMBER 1929			AUGUST 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	53,580	1,614	55,194	71,167	5,881	77,048
Foundry.....	5,480	32,001	37,481	163	23,559	23,722
Malleable.....	-----	6,141	6,141	758	11,000	11,758
TOTAL.....	59,060	39,756	98,816	72,088	40,440	112,528
Ferro-alloys.....	-----	7,131	7,131	-----	7,178	7,178

Table 2. CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER
(Tons of 2240 lb.)

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	601,441	11,800	613,241	517,816	7,633	525,449
Foundry.....	6,605	156,429	163,034	7,370	153,806	160,976
Malleable.....	758	52,654	53,412	-----	59,048	59,048
TOTAL.....	608,804	220,883	829,687	525,186	220,237	745,423
Ferro-alloys.....	-----	57,932	57,932	-----	33,414	33,414

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

				YEAR
			SEPTEMBER 1929	AUGUST 1929
			TO DATE	
Imported Iron ore.....	Long tons	175,469	205,755	1,459,095
Canadian Limestone.....	Short tons	10,663	11,829	98,635
Imported Limestone.....	" "	41,971	51,516	361,071
Coke made in Canada:-				
From Canadian coal.....	" "	41,221	46,595	340,792
From Imported coal.....	" "	55,314	68,717	494,152
Imported coke.....	" "	10,745	10,075	58,503

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	SEPTEMBER 1929			AUGUST 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	91,634	-----	91,634	112,195	138	112,333
Acid	-----	-----	-----	-----	-----	-----
Electric	1,465	-----	1,465	821	-----	821
Other	485	-----	485	268	-----	268
TOTAL STEEL INGOTS	93,584	-----	93,584	113,284	138	113,422
STEEL CASTINGS:						
Open Hearth-Basic	205	2,880	3,085	207	2,877	3,084
Acid	-----	-----	-----	-----	-----	-----
Bessemer	3	171	174	6	203	209
Electric	23	2,134	2,157	8	3,559	3,567
TOTAL DIRECT STEEL CASTINGS	231	5,185	5,416	221	6,639	6,860
GRAND TOTAL	93,815	5,185	99,000	113,505	6,777	120,282

Table 5 CUMULATIVE PRODUCTION for the NINE MONTHS ending SEPTEMBER

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	1,015,235	4,047	1,019,283	874,864	-----	874,864
Acid	-----	-----	-----	-----	-----	-----
Electric	8,367	-----	8,367	7,463	184	7,647
Other	6,204	-----	6,204	5,345	183	5,528
TOTAL STEEL INGOTS	1,029,807	4,047	1,033,854	887,672	367	888,039
STEEL CASTINGS:						
Open Hearth-Basic	1,635	19,340	20,975	1,716	13,173	14,839
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	53	1,986	2,039	79	1,361	1,440
Electric	112	23,693	23,805	170	15,172	15,342
TOTAL DIRECT STEEL CASTINGS	1,824	52,273	54,097	1,965	29,706	31,671
GRAND TOTAL	1,031,631	56,320	1,087,951	889,637	30,073	919,710

Table 8. ELAST FURNACES IN CANADA, 1929.

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	350
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,175

Table 9. DESCRIPTION OF FURNACES AT END OF SEPTEMBER 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	8	3,125	75
Banked	-	-	-
Blown out	3	1,050	25
Total furnaces reporting	11	4,175	100

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