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on

PRODUCTION OF IRON AND STEEL

in Canada

AUGUST 1929

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DOMINION BUREAU OF STATISTICS, CANADA
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PRODUCTION OF IRON AND STEEL IN CANADA

AUGUST 1929

PIG IRON.— Output of coke pig iron in Canada during August reached a new high record at 112,128 long tons, according to a statement published by the Dominion Bureau of Statistics at Ottawa. The 100,000 tons per month mark has only been exceeded on four previous occasions in the history of the industry, viz., 106,000 tons in December, 1918; 105,000 tons in October, 1920; 101,533 tons in May, 1923; and 103,450 tons in December, 1928.

Compared with the output of 99,786 tons in the previous month the tonnage for August showed a gain of 13 per cent and was 23 per cent over the total of 91,522 tons reported for August, 1928. The gain over July was due to an increased output of the foundry and malleable grades while the tonnage of basic iron was lower. Foundry iron advanced to 23,722 tons from 14,779 tons; malleable iron to 11,758 tons from 5,766 tons; and basic iron dropped to 77,048 tons from 79,241 tons.

For the eight months ending August the cumulative production of pig iron in Canada amounted to 730,871 tons, a gain of 12 per cent over the total of 654,957 tons produced during the corresponding period of a year ago. This year's output to date included 558,047 tons of basic iron, 125,553 tons of foundry iron and 47,271 tons of malleable iron.

Furnace charges during the month under review included 205,755 long tons of iron ore, 63,345 short tons of limestone and 125,387 short tons of coke. Of the total limestone, 11,829 tons were mined in Canada, and of the coke 46,595 tons were made in Canada from Canadian coal and 68,717 tons were made in Canada from imported coal. For the eight months' period ending August 31, 1929, furnace charges aggregated 1,283,626 tons of ore, 407,072 tons of limestone and 786,167 tons of coke.

On August 6 one additional 300-ton furnace was blown in at Sydney, N.S., resulting in 9 furnaces being in blast on August 31. The active furnaces had a daily capacity of 3,575 long tons per day or about 86 per cent of the total capacity of all blast furnaces in Canada and were located at the following points: 3 at Sydney, N.S.; 3 at Sault Ste. Marie, Ontario; 2 at Hamilton, Ontario, and 1 at Port Colborne, Ontario.

FERRO-ALLOYS.- Production of ferro-alloys in Canada totalled 7,178 tons in August as against 7,030 tons in the previous month. For the eight months ending August the output aggregated 50,801 tons, an increase of 62 per cent over the total of 31,406 tons reported for the corresponding period of a year ago.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada during August at 120,282 tons was 7 per cent under the total of 129,827 tons made in the preceding month. The decline from July was due to drop in output of steel ingots to 113,422 tons from 123,248 tons while direct steel castings rose slightly to 6,860 tons from 6,579 tons.

Production for the eight months ending August 31, 1929, totalled 988,951 tons, a gain of 21 per cent over the 819,822 tons reported for the first eight months of last year. This year's output to date included 940,270 tons of steel ingots and 48,681 tons of direct steel castings.

PRICES.- Pig iron prices showed no change during August, with demand remaining steady. Spot demand was reported as responsible for most orders with forward delivery contracts negligible. Mid-month quotations at Montreal did not vary from last month's. No. 1 foundry was still \$26.00 and No. 2 foundry, \$25.50 per gross ton. At Toronto No. 1 and No. 2 foundry remained at \$24.60 and \$24.10 respectively. The Bureau's index for the group "Iron and Its Products" continued steady at 93.9.

UNITED STATES.- In the United States the rate of pig iron production during August averaged 121,151 tons per day, a decline of less than 1 per cent from the daily rate of the previous month. This output was the best reported for any August and was the fourth largest on record being only exceeded in July and May of this year and May, 1923. During the month 3 furnaces were blown in and 9 furnaces were blown out or banked, a net loss of 6 active furnaces.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	AUGUST 1929			JULY 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	71,167	5,881	77,048	76,645	2,596	79,241
Foundry.....	163	23,559	23,722	112	14,667	14,779
Malleable.....	758	11,000	11,758	-----	5,766	5,766
TOTAL.....	72,088	40,440	112,528	76,757	23,029	99,786
Ferro-alloys.....	-----	7,178	7,178	-----	7,030	7,030

Table 2. CUMULATIVE PRODUCTION FOR THE EIGHT MONTHS ENDING AUGUST
(Tons of 2240 lb.)

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	547,861	10,186	558,047	460,815	7,210	468,025
Foundry.....	1,125	124,428	125,553	7,230	132,454	139,684
Malleable.....	758	46,513	47,271	-----	47,248	47,248
TOTAL.....	549,744	181,127	730,871	468,045	186,912	654,957
Ferro-alloys.....	-----	50,801	50,801	-----	31,406	31,406

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

			AUGUST 1929	JULY 1929	YEAR TO DATE
Imported Iron ore.....	Long tons		205,755	179,677	1,283,626
Canadian Limestone.....	Short tons		11,829	11,986	87,972
Imported Limestone.....	" "		51,516	41,382	319,100
Coke made in Canada:-					
From Canadian coal.....	" "		46,595	29,195	299,571
From Imported coal.....	" "		68,717	62,933	438,838
Imported coke.....	" "		10,075	10,279	47,758

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	AUGUST 1929			JULY 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	112,195	138	112,333	122,024	280	122,304
Acid	-----	-----	-----	-----	-----	-----
Electric	821	-----	821	809	-----	809
Other	268	-----	268	135	-----	135
TOTAL STEEL INGOTS	113,284	138	113,422	122,968	280	123,248
STEEL CASTINGS:						
Open Hearth-Basic	207	2,877	3,084	145	3,935	4,080
Acid	-----	-----	-----	-----	-----	-----
Bessemer	6	203	209	5	128	133
Electric	8	3,559	3,567	17	2,349	2,366
TOTAL DIRECT STEEL CASTINGS	221	6,639	6,860	167	6,412	6,579
GRAND TOTAL	113,505	6,777	120,282	123,135	6,692	129,827

Table 5 CUMULATIVE PRODUCTION for the EIGHT MONTHS ending AUGUST

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	923,602	4,047	927,649	779,199	-----	779,199
Acid	-----	-----	-----	-----	-----	-----
Electric	6,902	-----	6,902	6,778	184	6,962
Other	5,719	-----	5,719	4,420	183	4,603
TOTAL STEEL INGOTS	936,223	4,047	940,270	790,397	367	790,764
STEEL CASTINGS:						
Open Hearth-Basic	1,430	16,460	17,890	1,529	12,050	13,579
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	50	1,815	1,865	68	1,251	1,319
Electric	89	21,559	21,648	165	13,995	14,160
TOTAL DIRECT STEEL CASTINGS	1,593	47,083	48,681	1,762	27,296	29,058
GRAND TOTAL	937,816	51,135	988,951	792,159	27,663	819,822

Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1916 - 1927.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
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
1921	50	56	1927	59	76

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) 1928-1929.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1928	1929	1928	1929	1928	1929	1928	1929
January	22	21	43	67	65	88	84	116
February	24	41	41	53	65	94	99	117
March	26	32	52	54	78	86	118	137
April	25	24	50	55	75	79	113	122
May	24	24	64	57	88	81	118	126
June	24	25	73	65	97	90	117	120
July	21	23	74	77	95	100	83	130
August	23	31	69	82	92	113	89	120
September	24		67		91		100	
October	25		68		93		109	
November	30		65		95		108	
December	35		68		103		103	
TOTAL	303	221	734	510	1,037	731	1,241	988
MONTHLY AVERAGE	25	27	61	64	86	91	103	123

Table 8. BLAST 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 AUGUST 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	9	3,575	86
Banked	-	-	-
Blown out.....	2	600	14
Total furnaces reporting.....	11	4,175	100



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