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Monthly Report
on
PRODUCTION OF IRON AND STEEL
in Canada

AUGUST 1930

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

AUGUST 1930

PIG IRON.— Production of pig iron in Canada at 57,459 long tons in August was the lowest tonnage reported for any month of the year to date, being 11 per cent under the 64,676 tons in July and only about one-half the total of 112,528 tons made in August of a year ago. Output of basic iron declined to 36,057 tons from 42,498 tons and foundry iron dropped to 14,114 tons from 22,178 tons in the previous month; 7,278 tons of malleable iron were made in August while none of this grade was reported for July.

Blast furnace charges during the month under review included 100,634 long tons of imported iron ore, 29,945 short tons of limestone and 61,032 short tons of coke. Of the limestones, 8,744 tons were from Canadian quarries and of the coke, 51,606 tons were carbonized in Canada, 18,786 tons being made from Canadian coal.

As no new furnaces were lighted during the month and none were blown out, the same five furnaces were active on August 31 as at the end of July. They had a capacity of 2,025 long tons per day, or about 48 per cent of the total capacity of iron blast furnaces in Canada, and were located as follows: 2 at Hamilton, Ont., 1 at Sault Ste. Marie, Ont., 1 at Port Colborne, Ont., and 1 at Sydney, N.S.

For the eight months ending August, the cumulative production of pig iron was 573,321 tons, a decline of 22 per cent from the 730,871 tons made during the corresponding period of last year which in turn was 12 per cent over the aggregate of 654,957 tons reported for the first eight months of 1928. This year's output to date included 397,128 tons of basic iron, 129,541 tons of foundry iron and 46,652 tons of malleable iron. Of the total output, 393,793 tons or 69 per cent were made for further use by the reporting firms and the balance of 179,528 tons or 31 per cent was intended for sale.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during August amounted to 3,397 tons, a slight increase over the 3,334 tons of July. For the year to date the output totalled 51,691 tons as compared with 56,679 tons during the first eight months of last year.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings during August at 57,626 tons was the lowest output reported for the year to date being 16 per cent under the preceding low 68,424 tons in July and less than one-half the total of 120,282 tons made in August, 1929. The decline from the previous month was mostly in steel ingots, the tonnage of which dropped to 54,402 tons from 65,144 tons; steel castings showed little change at 3,224 tons as against 3,280 tons in July.

For the eight months ending August 31, 1930, the cumulative production of steel at 755,043 tons was 24 per cent less than in the corresponding period of last year when 988,951 tons were made. This year's output to date included 710,658 tons of steel ingots and 44,385 tons of direct steel castings.

PRICES.- The position of pig iron prices remained unchanged, but a slight improvement in small tonnage spot sales was observed in the latter part of August. No. 1 and No. 2 foundry pig iron delivered at Toronto was quoted at \$22.60 and \$22.10 per gross ton, and \$24.00 and \$23.50 per gross ton at Montreal. The Bureau's index number of Iron and Its Products declined fractionally from 91.3 in July to 91.2 in August, due chiefly to easier prices for machinery, scrap iron and steel tank plates.

UNITED STATES.- In the United States the daily rate of pig iron production at 81,500 tons in August was the smallest since October, 1924, and 4.3 per cent less than in the next preceding month. During the 31 days of August 3 furnaces were blown in and 9 were shut down, a net loss of 6.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	AUGUST 1930			JULY 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	35,528	539	36,067	42,138	360	42,498
Foundry.....	-----	14,114	14,114	113	22,065	22,178
Malleable.....	-----	7,278	7,278	-----	-----	-----
TOTAL.....	35,528	21,931	57,459	42,251	22,425	64,676
Ferro-alloys	-----	3,397	3,397	-----	3,334	3,334

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

ITEM	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	392,929	4,199	397,128	547,861	10,186	558,047
Foundry.....	864	128,677	129,541	1,125	124,428	125,553
Malleable.....	-----	46,652	46,652	758	46,513	47,271
TOTAL.....	393,793	179,528	573,321	549,744	181,127	730,871
Ferro-alloys	-----	51,691	51,691	-----	56,679	56,679

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

	AUGUST	JULY	YEAR TO DATE
Imported Iron ore.....Long tons	100,634	106,684	1,017,354
Canadian Limestone.....Short tons	8,744	9,356	84,913
Imported Limestone....." "	21,201	21,192	218,858
Coke made in Canada:-			
From Canadian coal....." "	18,786	18,205	181,219
From Imported coal....." "	32,820	34,366	376,807
Imported coke....." "	9,426	10,958	48,335

* Revised

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	AUGUST 1930			JULY 1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	52,622	48	52,670	62,719	-----	62,719
Acid	-----	-----	-----	-----	-----	-----
Electric	1,275	-----	1,275	2,108	-----	2,108
Other	457	-----	457	317	-----	317
TOTAL STEEL INGOTS	54,354	48	54,402	65,144	-----	65,144
STEEL CASTINGS:						
Open Hearth-Basic	120	1,708	1,828	130	1,575	1,705
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	218	222	4	118	122
Electric	34	1,140	1,174	23	1,430	1,453
TOTAL DIRECT STEEL CASTINGS	158	3,066	3,224	157	3,123	3,280
GRAND TOTAL	54,512	3,114	57,626	65,301	3,123	68,424

Table 5 CUMULATIVE PRODUCTION for the EIGHT MONTHS ending AUGUST

	1930			1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	686,789	618	687,407	923,602	4,047	927,649
Acid	-----	-----	-----	-----	-----	-----
Electric	16,582	-----	16,582	6,902	-----	6,902
Other	6,669	-----	6,669	5,719	-----	5,719
TOTAL STEEL INGOTS	710,040	618	710,658	936,223	4,047	940,270
STEEL CASTINGS:						
Open Hearth-Basic	1,246	20,832	22,078	1,430	16,460	17,890
Acid	-----	-----	-----	24	7,254	7,278
Bessemer	34	1,514	1,548	50	1,815	1,865
Electric	193	20,566	20,759	89	21,559	21,648
TOTAL DIRECT STEEL CASTINGS	1,473	42,912	44,385	1,593	47,083	48,681
GRAND TOTAL	711,513	43,530	755,043	937,816	51,135	988,951

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS
IN CANADA, 1916 - 1929.
(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916.....	87	106	1923.....	73	74
1917.....	87	130	1924.....	49	54
1918.....	89	140	1925.....	48	63
1919.....	68	77	1926.....	63	64
1920.....	81	92	1927.....	59	76
1921.....	50	56	1928.....	86	103
1922.....	32	40	1929.....	91	115

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) 1929-1930.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1929	1930	1929	1930	1929	1930	1929	1930
January.....	21	23	67	64	88	87	116	115
February.....	41	19	53	52	94	71	117	107
March.....	32	22	54	53	86	75	137	117
April.....	24	21	55	51	79	72	122	103
May.....	24	19	57	62	81	81	126	92
June.....	25	16	65	50	90	66	120	95
July.....	23	16	77	49	100	65	130	68
August.....	31	16	82	41	113	57	120	58
September.....	31		68		99		99	
October.....	24		67		91		116	
November.....	22		65		87		94	
December.....	22		61		83		82	
TOTAL.....	320	152	771	422	1,091	574	1,379	755
MONTHLY AVERAGE.....	27	19	64	53	91	72	115	94

Table 8. BLAST FURNACES IN CANADA, 1930.

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	4	1,450
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	4,225

Table 9. DESCRIPTION OF FURNACES AT END OF AUGUST 1930

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	5	2,025	48
Banked	-	-	-
Blown out	6	2,200	52
Total furnaces reporting	11	4,225	100

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