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on

PRODUCTION OF IRON AND STEEL

in Canada

AUGUST 1928

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DOMINION BUREAU OF STATISTICS, CANADA
DOMINION STATISTICIAN -- R. H. COATS. B. A., F. S. S. (HON.), F.R.S.C.

S. J. COOK, B.A., A.I.C., F.C.I.C., -- Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH

PRODUCTION OF IRON AND STEEL IN CANADA

AUGUST 1928

PIG IRON.-- Production of pig iron in Canada amounted to 91,522 tons in August. This output was 4 per cent under the 95,422 tons of the previous month which in turn was 2 per cent less than the monthly record for the year to date, established in June at 97,379 tons. In August of a year ago 63,234 tons of pig iron were produced.

Compared with the figures for July this month's totals show that more malleable iron was made but the gain was not sufficient to offset the decline in the outputs of the basic and foundry grades. Tonnage of malleable iron rose to 21,481 tons from 1,632 tons, basic iron dropped to 54,826 tons from 57,397 tons, and foundry iron declined to 15,215 tons from 36,393 tons in July.

For the eight months ending August 31, 1928, the cumulative production of pig iron totalled 654,957 tons, a gain of 26 per cent over 517,944 tons reported for the corresponding period of last year. This year's output included 468,025 tons of basic iron, 139,684 tons of foundry iron and 47,248 tons of malleable iron and of these totals 468,045 tons were made for the further use of the producers and the balance of 186,912 tons was intended for sale.

Furnace charges for the month included 156,773 long tons of imported iron ore, 47,019 short tons of limestone and 95,998 short tons of coke. Of the limestone, 10,665 tons were of Canadian origin and 36,354 tons were imported; 30,480 tons of coke were made in Canada from Canadian coal, 54,819 tons were made in Canada from imported coal and 10,699 tons were imported.

The number of furnaces in blast on August 31 remained the same as on July 31. The active furnaces had a daily capacity of 2,775 long tons per day and were located as follows: 2 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 August dropped to 2,537 tons from 2,855 tons in July and consisted mostly of the grade having a high manganese content. A small quantity of ferrosilicon was also produced.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings in Canada during August at 86,677 tons was 5 per cent over the 82,807 tons of July and 12 per cent better than the 77,479 tons reported for August of a year ago. The increase over the previous month was accounted for by the greater output of steel ingots which grade rose to 85,631 tons from 79,640 tons. Direct steel castings showed little change at 3,046 tons as compared with 3,167 tons in July.

For the eight months ending August, 1928, the cumulative production of steel ingots and castings totalled 819,822 tons, an increase of 32 per cent over the 620,039 tons reported for the corresponding period of last year which in turn showed a gain of 13 per cent over the first eight months of 1926. This year's output included 790,764 tons of steel ingots and 29,058 tons of steel castings.

PRICES.- Pig iron prices were again unchanged in August, No. 1 and No. 2 foundry at Montreal being still quoted at \$25.00 to \$25.50. At Toronto both grades were \$23.10 to \$23.60. The Bureau's index for the group, Iron and Its Products, (1913 prices - 100) was practically stationary, being 138.4 in July and 138.6 in August.

UNITED STATES.- In the United States pig iron production in August showed a gain of 2.1 per cent over the daily rate of July. The August rate of production averaged 101,180 tons per day and compared with 99,091 tons per day in the previous month and a daily rate of 95,073 tons in August last year. During the month 9 furnaces were shut down and 7 blown in, a net loss of 2 active furnaces.

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PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	AUGUST 1928			JULY 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	54,091	735	54,826	57,200	197	57,397
Foundry.....	198	15,017	15,215	109	36,284	36,393
Malleable.....		21,481	21,481		1,632	1,632
TOTAL.....	54,289	37,233	91,522	57,309	38,113	95,422
Ferro-alloys.....		2,537	2,537		2,855	2,855

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

ITEM	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	460,815	7,210	468,025	355,613	10,096	365,709
Foundry.....	7,230	132,454	139,684	6,717	119,006	125,723
Malleable.....		47,248	47,248		26,512	26,512
TOTAL.....	468,045	186,912	654,957	362,330	155,614	517,944
Ferro-alloys.....		31,406	31,406		38,083	38,083

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

				AUGUST 1928	JULY 1928	YEAR TO DATE
Imported Iron ore.....	Long tons			156,773	166,845	1,136,112
Canadian Limestone.....	Short tons			10,665	10,007	83,491
Imported Limestone.....	"	"		36,354	36,046	278,251
Coke made in Canada:-						
From Canadian coal.....	"	"		30,480	23,739	234,024
From Imported coal.....	"	"		54,819	63,145	443,746
Imported coke.....	"	"		10,699	10,580	31,330

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	AUGUST 1928			JULY 1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	84,487	-----	84,487	78,528	-----	78,528
Acid	-----	-----	-----	-----	-----	-----
Electric	852	-----	852	771	-----	771
Other	292	-----	292	341	-----	341
TOTAL STEEL INGOTS	85,631	-----	85,631	79,640	-----	79,640
STEEL CASTINGS:						
Open Hearth-Basic	186	1,246	1,432	177	1,462	1,639
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	184	188	11	170	181
Electric	3	1,423	1,426	7	1,340	1,347
TOTAL DIRECT STEEL CASTINGS	193	2,853	3,046	195	2,972	3,167
GRAND TOTAL	85,824	2,853	88,677	79,835	2,972	82,807

Table 5 CUMULATIVE PRODUCTION for the EIGHT MONTHS ending AUGUST

	1928			1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	779,199	-----	779,199	584,306	-----	584,306
Acid	-----	-----	-----	-----	-----	-----
Electric	6,778	184	6,962	-----	-----	-----
Other	4,420	183	4,603	5,182	-----	5,182
TOTAL STEEL INGOTS	790,397	367	790,764	589,488	-----	589,488
STEEL CASTINGS:						
Open Hearth-Basic	1,529	12,050	13,579	1,308	13,805	15,113
Acid	-----	-----	-----	-----	-----	-----
Bessemer	68	1,251	1,319	59	1,417	1,476
Electric	165	13,995	14,160	199	13,763	13,962
TOTAL DIRECT STEEL CASTINGS	1,762	27,296	29,058	1,566	28,985	30,551
GRAND TOTAL	792,159	27,663	819,822	591,054	28,985	620,039

Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1915 - 1926.

(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	59	63	92	77	89
September	14		38		52		54	
October	15		23		38		56	
November	21		17		38		81	
December	26		37		63		96	
TOTAL	248	189	461	466	709	655	907	821
MONTHLY AVERAGE	21	24	38	58	59	82	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 AUGUST 1928

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	7	2,775	67
Banked	-	-	-
Blown out.....	4	1,350	33
Total furnaces reporting.....	11	4,125	100



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