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CANADA

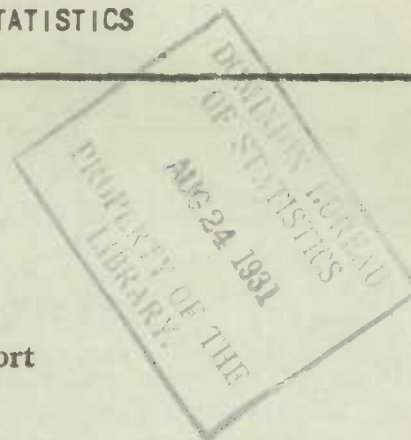
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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

JULY 1931

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

JULY 1931

PIG IRON - Production of pig iron in Canada during July amounted to 40,303 long tons, a decline of 28 per cent from the 55,822 tons reported for the preceding month which in turn was 11 per cent over the 50,511 tons of May. In July of a year ago output totalled 64,676 tons.

A comparison of this month's figures with those of the previous month show that although there was a sharp rise in the output of foundry iron, this gain was more than offset by declines in the tonnage of the basic and malleable grades. Foundry iron advanced to 16,084 tons from 10,133 tons, while malleable iron dropped to 4,270 tons from 7,709 tons and basic iron, which is largely used for further processing in the steel furnaces of the producers, was almost cut in half at 19,949 tons as against 37,980 tons in June.

For the first seven months of this year the cumulative production totalled 339,525 tons as compared with 515,862 tons and 618,343 tons during the corresponding periods of 1930 and 1929, respectively. This year's output to date included 262,014 tons of basic iron, 50,390 tons of foundry iron, and 27,121 tons of malleable iron.

Blast furnace charges during the month under review included 67,374 long tons of imported iron ore, 21,141 short tons of limestone and 41,451 short tons of coke. Of the limestone 5,438 tons were quarried in Canada and of the coke 32,371 tons were carbonized in Canada including 9,448 tons from Canadian coal. The balance of the coke and the limestone was imported.

During the month 1 blast furnace was banked at Sydney, N.S., with the result that only 3 furnaces in Canada were in blast on July 31. The active furnaces had a capacity of 1,350 long tons a day, or 32 per cent of the total capacity of all iron blast furnaces in Canada and were located as follows: 1 at Hamilton, Ont., 1 at Port Colborne, Ont., and 1 at Sault Ste. Marie, Ont.

FERRO-ALLOYS.- Production of ferro-alloys in Canada during July totalled 3,262 tons as compared with 2,740 tons in June and 3,334 tons in July, 1930. This month's output consisted mostly of ferromanganese and silico speigel along with some ferrosilico.

STEEL INGOTS AND CASTINGS.- July production of steel ingots and direct steel castings reached a new low point for the year to date when it was reported at 45,097 long tons. This tonnage was 18 per cent under the June level of 55,605 tons as compared with 68,424 tons in July, 1930. The decline from June was principally in steel ingots which grade dropped to 42,778 tons from 52,794 tons while steel castings also fell off to 2,319 tons from 2,811 tons.

For the seven months ending July 31, 1931, the steel output aggregated 506,974 tons as compared with 705,037 tons during the corresponding period of 1930 and 868,669 tons during the first seven months of 1929. This year's output to date included 461,720 tons of basic open hearth ingots, 16,606 tons of electric ingots, 12,605 tons of basic open hearth castings, 921 tons of converter castings and 15,122 tons of electric furnace castings.

PRICES.- Business in the iron and steel market was quiet with sales of pig iron reported the lightest in several years. Orders for building steel were for small lots to meet immediate requirements. No. 1 and No. 2 foundry pig iron were unchanged at \$22.60 and \$22.10 per gross ton at Toronto, and \$23.80 and \$23.30 per gross ton at Montreal, respectively. The Bureau's index number for "Iron and Its Products" fell from 87.4 in June to 87.1 in July, owing chiefly to reductions in the prices of galvanized pails, and scrap iron and steel.

UNITED STATES.- Production of pig iron in the United States during July amounted to 47,201 tons a day, the lowest rate reported for any month since November, 1921, and comparable with a daily average of 54,621 tons in June. Twelve furnaces were blown out during July and three were lighted, making a net loss of nine.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JULY 1931			JUNE 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	18,078	1,871	19,949	37,980	-----	37,980
Foundry.....	-----	16,084	16,084	-----	10,133	10,133
Malleable.....	-----	4,270	4,270	-----	7,709	7,709
TOTAL.....	18,078	22,225	40,303	37,980	17,842	55,822
Ferro-alloys	-----	3,262	3,262	-----	2,740	2,740

Table 2. CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY
(Tons of 2240 lb.)

ITEM	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	260,062	1,952	262,014	357,401	3,660	361,061
Foundry.....	647	49,743	50,390	864	114,563	115,427
Malleable.....	-----	27,121	27,121	-----	39,374	37,374
TOTAL.....	260,709	78,816	339,525	358,265	157,597	515,862
Ferro-alloys	-----	26,146	26,146	-----	48,294	48,294

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

	JULY	JUNE	YEAR TO DATE
Imported Iron ore..... Long tons	67,374	97,474	602,396
Canadian Limestone..... Short tons	5,438	6,403	43,986
Imported Limestone..... " "	15,703	24,883	140,247
Coke made in Canada:-			
From Canadian coal..... " "	9,448	18,722	116,880
From Imported coal..... " "	22,923	29,816	220,345
Imported coke..... " "	9,080	8,143	17,223

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JULY 1931			JUNE 1931		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	40,731	227	40,958	51,011	-----	51,011
Acid	-----	-----	-----	-----	-----	-----
Electric	1,820	-----	1,820	1,783	-----	1,783
Other	-----	-----	-----	-----	-----	-----
TOTAL STEEL INGOTS	42,551	227	42,778	52,794	-----	52,794
STEEL CASTINGS:						
Open Hearth-Basic	70	997	1,067	105	1,149	1,254
Acid	-----	-----	-----	-----	-----	-----
Bessemer	4	117	121	4	106	110
Electric	6	1,125	1,131	27	1,420	1,447
TOTAL DIRECT STEEL CASTINGS	80	2,239	2,319	136	2,675	2,811
GRAND TOTAL	42,631	2,466	45,097	52,930	2,675	55,605

Table 5 CUMULATIVE PRODUCTION FOR THE SEVEN MONTHS ENDING JULY

	1931			1930		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS						
Open Hearth-Basic	461,347	373	461,720	641,787	570	642,357
Acid	-----	-----	-----	-----	-----	-----
Electric	16,606	-----	16,606	15,307	-----	15,307
Other	-----	-----	-----	6,212	-----	6,212
TOTAL STEEL INGOTS	477,953	373	478,326	663,306	570	663,876
STEEL CASTINGS						
Open Hearth-Basic	1,012	11,593	12,605	1,126	19,124	20,250
Acid	-----	-----	-----	-----	-----	-----
Bessemer	29	892	921	30	1,296	1,326
Electric	136	14,986	15,122	159	19,426	19,585
TOTAL DIRECT STEEL CASTINGS	1,177	27,471	28,648	1,315	39,846	41,161
GRAND TOTAL	479,130	27,844	506,974	664,621	40,416	705,037

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) 1930-1931.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1930	1931	1930	1931	1930	1931	1930	1931
January	23	15	64	21	87	36	115	58
February	19	14	52	32	71	46	107	83
March	22	17	53	40	75	57	117	99
April	21	17	51	37	72	54	103	91
May	19	15	62	36	81	51	99	75
June	16	15	50	41	66	56	95	56
July	16	8	49	32	65	40	68	45
August	16		41		57		58	
September	16		33		49		56	
October	15		25		40		65	
November	15		31		46		72	
December	16		22		38		56	
TOTAL	214	101	533	239	747	340	1,011	507
MONTHLY AVERAGE	18	14	44	34	62	48	84	72

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 JULY, 1931.

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	3	1,350	32
Banked	2	850	20
Blown out.....	6	2,025	48
Total furnaces reporting.....	11	4,225	100



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TABLE 1. DEMOGRAPHIC DATA, 1981

Province or Territory	Population (1981)	Population (1971)	Population (1961)
Alberta	2,411,000	1,811,000	1,211,000
Saskatchewan	961,000	761,000	561,000
Manitoba	1,161,000	961,000	761,000
Ontario	6,411,000	5,411,000	4,411,000
Quebec	5,411,000	4,411,000	3,411,000
Atlantic Provinces	2,411,000	1,911,000	1,411,000
Total	20,066,000	16,266,000	12,466,000

TABLE 2. ECONOMIC DATA, 1981

Province or Territory	GDP (1981)	GDP (1971)	GDP (1961)
Alberta	\$1,411,000,000	\$911,000,000	\$411,000,000
Saskatchewan	\$561,000,000	\$461,000,000	\$361,000,000
Manitoba	\$661,000,000	\$561,000,000	\$461,000,000
Ontario	\$3,411,000,000	\$2,411,000,000	\$1,411,000,000
Quebec	\$2,411,000,000	\$1,411,000,000	\$911,000,000
Atlantic Provinces	\$961,000,000	\$761,000,000	\$561,000,000
Total	\$10,066,000,000	\$7,266,000,000	\$4,466,000,000