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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

Vol. 7

No. 6

Original File Copy.

Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

JUNE, 1927

Published by Authority of the HON. JAMES MALCOLM, M. P.,
Minister of Trade and Commerce.

OTTAWA
1927

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

June 1927

7 Times
Production of pig iron in Canada fell off sharply in June to 69,437 long tons, a decline of 12 per cent from the 78,987 tons of May, and 2 per cent less than the 70,854 tons produced in June of a year ago. By grades, the production for June showed gains for foundry and malleable iron but these were more than offset by basic iron dropping to 41,696 tons from 64,085 tons; foundry iron advanced to 21,387 tons from 14,902 tons, and malleable to 6,354 tons; no malleable iron was made in May.

For the first half-year, production totalled 403,713 long tons, a gain of 9 per cent over the 370,864 tons produced in the first six months of last year and 39 per cent over the 290,892 tons made during the corresponding period of 1925. The current year's output to date included 291,222 tons of basic iron, 85,979 tons of foundry iron and 26,512 tons of malleable iron. Most of the basic iron was produced for the further use of the makers, the bulk of the foundry iron and all the malleable iron were made for sale.

Furnace charges for the month included 125,140 long tons of imported iron ore, 79,992 short tons of coke and 37,970 short tons of limestone. For the six months' period, furnace charges totalled 723,038 long tons of ore, 448,741 short tons of coke and 221,481 short tons of limestone.

Active furnaces in June showed no change from May. On June 30, six furnaces having a daily capacity of 2,375 long tons per day or 47 per cent of the total capacity of all iron blast furnaces in Canada, were in blast at the following points: 2 at Sydney, N.S.; 2 at Hamilton, Ont., and 2 at Sault Ste. Marie, Ont.

Production of ferro-alloys in Canada fell off slightly in June to 4,418 tons from 4,773 tons in May. Although figures for the year to date are still incomplete, our records show a total output of 26,958 tons for the first half of the year consisting of two grades, one having a high manganese content and the other from 10 to 75 per cent silicon.

May
STEEL INGOTS AND CASTINGS
61 tonnes

Production of steel ingots and castings in Canada fell off sharply in June to 59,940 tons, a decline of 39 per cent from the 96,711 tons and 27 per cent under the 81,277 tons reported for June of last year. Output of basic open hearth steel ingots made for the further use of the producers dropped 40 per cent to 55,443 tons from 92,227 tons in the previous year, while direct steel castings showed little change at 4,497 as compared with 4,484 tons in May.

For the six months ending June 30, 1927, production of steel ingots and castings totalled 487,310 tons, a gain of 13 per cent over the 431,184 tons produced during the first half of last year and 15 per cent over the 423,697 tons reported for the corresponding period of 1925. This year's output included 462,393 tons of open hearth steel ingots and 24,917 tons of direct steel castings.

Pig iron prices were unchanged in June, No. 1 foundry (2.25 to 2.75 silicon) delivered at Montreal being still quoted at \$27.50 and No. 2 foundry (1.75 to 2.25 silicon) at \$26.50. At Toronto No. 1 foundry was again \$24.80 and No. 2 foundry \$24.30.

A review of the six month's period ending June 30, 1927 shows that pig iron prices were highest in January. Due to restricted buying and a tendency to lower levels in the United States, prices declined in February and remained stable or slightly under the February level for the balance of the half-year. The Bureau's index numbers for iron and its products (1913 prices = 100) showed a narrow range varying from 145.5 in January, to 144.4 in February, 143.7 in April and thereafter remaining practically stationary closing the half-year at 143.5.

In the United States production of pig iron in June averaged 102,988 tons per day a decline of 5.8 per cent from the average in May which in turn was 4.1 per cent under the April figures. During the month, 19 furnaces were shut down and six blown in, a net loss of 13.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JUNE 1927			MAY 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	39,768	1,928	41,696	61,644	2,441	64,085
Foundry.....	115	21,272	21,387	110	14,792	14,902
Malleable.....	-----	6,354	6,354	-----	-----	-----
TOTAL.....	39,883	29,554	69,437	61,754	17,233	78,987
Ferro-alloys.....	-----	4,418	4,418	-----	4,773	4,773

Table 2. CUMULATIVE PRODUCTION FOR THE SIX MONTHS ENDING JUNE
(Tons of 2240 lb.)

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	282,687	8,535	291,222	250,147	7,312	257,459
Foundry.....	726	85,253	85,979	1,138	92,185	93,323
Malleable.....	-----	26,512	26,512	-----	20,082	20,082
TOTAL.....	283,413	120,300	403,713	251,285	119,579	370,864
Ferro-alloys.....	-----	26,958	26,958	-----	17,851	17,851

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

		JUNE	MAY	YEAR TO DATE
Canadian Iron ore.....	Long tons			
Imported Iron ore.....	" "	125,140	142,936	723,038
Coke.....	Short tons	79,992	87,215	448,741
Limestone.....	" "	37,970	43,303	221,481

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JUNE 1927			MAY 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	55,211		55,211	91,510		91,510
Acid						
Bessemer						
Other	232		232	717		717
TOTAL STEEL INGOTS	55,443		55,443	92,227		92,227
STEEL CASTINGS:						
Open Hearth-Basic	183	2,049	2,232	186	2,152	2,338
Acid						
Bessemer	4	179	183	7	172	179
Electric	9	2,073	2,082	16	1,951	1,967
TOTAL DIRECT STEEL CASTINGS	196	4,301	4,497	209	4,275	4,484
GRAND TOTAL	55,639	4,301	59,940	92,436	4,275	96,711

Table 5 CUMULATIVE PRODUCTION for the SIX MONTHS ending JUNE

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	458,071		458,071	401,111		401,111
Acid						
Bessemer						
Other	4,322		4,322	9,492		9,492
TOTAL STEEL INGOTS	462,393		462,393	410,603		410,603
STEEL CASTINGS:						
Open Hearth-Basic	1,003	11,497	12,500	991	12,394	13,385
Acid						
Bessemer	47	1,117	1,164	38	754	792
Electric	176	11,067	11,253	14	6,390	6,404
TOTAL DIRECT STEEL CASTINGS	1,236	23,681	24,917	1,043	19,538	20,581
GRAND TOTAL	463,629	23,681	487,310	411,646	19,538	431,184

Table 6 AVERAGE MONTHLY PRODUCTION OF

PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1914 - 1925.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1914	58	62	1920	81	92
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

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) 1926-1927.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1926	1927	1926	1927	1926	1927	1926	1927
January	25	22	32	30	57	52	69	59
February	20	20	30	31	50	51	53	56
March	22	25	31	51	53	76	59	107
April	21	24	47	53	68	77	80	109
May	22	24	51	55	73	79	90	97
June	21	21	50	48	71	69	81	60
July	20		47		67		65	
August	14		45		59		46	
September	18		46		64		59	
October	22		48		70		64	
November	22		30		52		54	
December	23		31		54		58	
TOTAL	250	136	488	268	738	404	778	488
MONTHLY AVERAGE	21	22	41	45	61	67	65	81

Table 8. BLAST FURNACES IN CANADA, 1927

Name of Company	Location	Number of Stacks	Total Daily Capacity (Long Tons)
British Empire Steel Corporation, Ltd.	Sydney, N.S.	8	2,475
Canadian Furnace Co., Ltd.	Port Colborne, Ont.	1	325
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	725
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,500
TOTAL		15	5,025

Table 9. DESCRIPTION OF FURNACES AT END OF JUNE

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	6	2,375	47
Banked.....	-	-	-
Blown out.....	9	2,650	53
Total furnaces reporting.....	15	5,025	100

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