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Monthly Report
of the
PRODUCTION OF IRON AND STEEL
IN CANADA

SEPTEMBER, 1927

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PRODUCTION OF IRON AND STEEL IN CANADA

September 1927

Production of pig iron in Canada during September amounted to 52,470 long tons, a decline of 17 per cent from the 63,234 tons of the previous month and 19 per cent under the 64,187 tons reported for September of a year ago. The decline this month as compared with August was mostly in basic iron of which the output dropped to 35,609 tons from 45,241 tons; foundry iron also fell off to 11,979 tons from 17,993 tons and 4,882 tons of malleable were produced whereas none of this grade was made in August.

For the nine months ending September, the cumulative production of pig iron totalled 570,414 tons, an increase of 15 per cent over the 496,876 tons produced in the corresponding period of last year and 53 per cent over the 372,960 tons reported for the first nine months of 1925. Production this year included 401,318 tons of basic iron, 137,702 tons of foundry iron and 31,394 tons of malleable iron.

Blast furnace charges in September included 91,790 long tons of imported iron ore, 57,156 short tons of coke and 29,625 short tons of limestone. At the end of the third quarter blast furnace charges totalled 1,017,318 long tons of imported ore, 639,674 short tons of coke and 316,876 short tons of limestone.

During the month ending September 30, 1927, one furnace at Sydney, N.S., and one at Sault Ste. Marie, Ont., were blown out resulting in four furnaces being in blast at the end of the month. The active furnaces had a daily capacity of 1,525 long tons per day or about 30 per cent of the total capacity of all blast furnaces in Canada and were located as follows: 2 at Hamilton, Ont., 1 at Sydney, N. S., and 1 at Sault Ste. Marie, Ont.

Production of ferro-alloys in Canada amounted to 4,771 tons in September, a slight decline from the 4,839 tons of August. For the nine months' period, production totalled 42,834 tons consisting of two grades, one having a high manganese content and the other from 15 to 75 per cent silicon.

STEEL INGOTS AND CASTINGS

Production of steel ingots and castings in Canada during September amounted to 54,250 long tons, a decline of 30 per cent from the 77,479 tons of August. Production in September last year amounted to 58,837 tons. Basic open hearth steel ingot production fell to 52,010 tons from 74,319 tons in the previous month; direct steel castings dropped to 2,240 tons from 3,160 tons. September's total output was the lowest reported for any month this year.

For the first nine months of the year the cumulative production of steel ingots and castings at 674,289 tons showed a gain of 12 per cent over the 600,542 tons produced during the corresponding period of 1926. This year's output included 641,498 tons of steel ingots and 32,791 tons of direct steel castings.

Pig iron prices on September 15th were the same as those prevailing on August 15th. Both No. 1 and No. 2 foundry were still quoted at \$26.00 to \$26.50 per ton at Montreal and at \$23.60 to \$24.10 at Toronto. Basic pig iron at mill was again \$20.00. The Bureau's index number for iron and its products (1913 prices = 100) remained stationary, being 142.6 for both months.

In the United States, the September production of pig iron was the lowest for the year; the daily rate of production was 92,498 long tons, a decrease from August of 2.7 per cent. The lowered output during September marked the sixth month in succession in which there was a decline, the first having occurred in April. A year ago the September daily rate was 104,543 tons, and an upward trend then appeared which continued during October and November; daily outputs in December and January were slightly lower, but during the next three months of 1927, there was a steady gain reported. During September 11 furnaces were shut down and 3 blown in, a net loss of 8.

- 4 -

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	SEPTEMBER 1927			AUGUST 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	35,179	430	35,609	43,762	1,479	45,241
Foundry.....	56	11,923	11,979	154	17,839	17,993
Malleable.....		4,882	4,882			
TOTAL.....	35,235	17,235	52,470	43,916	19,318	63,234
Ferro-alloys.....		4,771	4,771		4,839	4,839

Table 2. CUMULATIVE PRODUCTION FOR THE NINE MONTHS ENDING SEPTEMBER
(Tons of 2240 lb.)

ITEM	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	390,792	10,526	401,318	317,249	10,352	327,601
Foundry.....	6,773	130,929	137,702	1,510	127,757	129,267
Malleable.....		31,394	31,394		40,008	40,008
TOTAL.....	397,565	172,849	570,414	318,759	178,117	496,876
Ferro-alloys.....		42,834	42,834		23,840	23,840

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

		SEPTEMBER	AUGUST	YEAR TO DATE
Canadian Iron ore.....	Long tons			
Imported Iron ore.....	" "	91,790	111,615	1,017,318
Coke.....	Short tons	57,156	70,379	639,674
Limestone.....	" "	29,625	35,970	316,876

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	SEPTEMBER 1927			AUGUST 1927		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	51,711		51,711	73,535		73,535
Acid						
Bessemer						
Other	286	13	299	784		784
TOTAL STEEL INGOTS	51,997	13	52,010	74,319		74,319
STEEL CASTINGS:						
Open Hearth-Basic	124	761	885	178	1,350	1,528
Acid						
Bessemer	8	155	163	7	150	157
Electric	8	1,184	1,192	4	1,471	1,475
TOTAL DIRECT STEEL CASTINGS	140	2,100	2,240	189	2,971	3,160
GRAND TOTAL	52,137	2,113	54,250	74,508	2,971	77,479

Table 5 CUMULATIVE PRODUCTION for the NINE MONTHS ending SEPTEMBER

	1927			1926		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	636,017		636,017	560,478	25	560,503
Acid						
Bessemer						
Other	5,468	13	5,481	13,206		13,206
TOTAL STEEL INGOTS	641,485	13	641,498	573,684	25	573,709
STEEL CASTINGS:						
Open Hearth-Basic	1,432	14,566	15,998	1,493	14,840	16,333
Acid						
Bessemer	67	1,572	1,639	58	1,149	1,207
Electric	207	14,947	15,154	25	9,268	9,293
TOTAL DIRECT STEEL CASTINGS	1,706	31,085	32,791	1,576	25,257	26,833
GRAND TOTAL	643,191	31,098	674,289	575,260	25,282	600,542

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	20	47	31	67	51	65	55
August	14	16	45	45	59	63	46	77
September	18	14	46	38	64	52	59	54
October	22		48		70		64	
November	22		30		52		54	
December	23		31		54		58	
TOTAL	250	186	488	382	738	570	778	674
MONTHLY AVERAGE	21	21	41	43	61	64	64	75

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 SEPTEMBER

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	4	1,525	30
Banked	-	-	-
Blown out.....	11	3,500	70
Total furnaces reporting.....	15	5,025	100

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