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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

DECEMBER 1932

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DOMINION BUREAU OF STATISTICS - CANADA
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DECEMBER, 1932.

On December 1, 1932, one 450 ton furnace was blown in at Sault Ste. Marie, Ont., with the result that 2 furnaces in Canada were in blast on December 31. These active furnaces had a capacity of 1,000 long tons a day, or about 24 per cent of the total capacity of all iron blast furnaces in Canada, and were located as follows: 1 at Sydney, N.S., and 1 at Sault Ste. Marie, Ont. Charges to these furnaces during December included 49,605 long tons of imported iron ore, 17,787 short tons of imported limestone, 19,360 tons of coke from Canadian coal and 12,442 short tons of coke from imported coal.

FERRO-ALLOYS - Production of ferro-alloys in Canada including ferrosilicon, ferromanganese and spiegeleisen, totalled 15,487 tons as compared with 46,764 tons in 1931 and 65,223 tons in 1930.

For the twelve months ending December 31, 1932, the cumulative output of steel ingots and castings totalled 342,788 tons. This output compares with 672,109 tons in 1931 and is the low since 1904 when 148,554 tons were produced. Tonnage for 1932 included 312,360 tons of basic steel ingots, 19,213 tons of electric steel ingots, 2,833 tons of basic castings, 869 tons of converter castings and 7,513 tons of electric castings.

PRICES - Quotations for iron and steel products remained comparatively steady throughout the year. Demand for the greater part was for small spot tonnages, but some contract buying was reported in the early part of the year, due chiefly to increased demand from the automobile industry. The general level of business activity

however, was low as indicated by production of pig iron which dropped back to the level of 1900. At the close of the year, steel plant operations approximated 15 per cent of capacity and output of castings and ingots for 1932 reached the lowest level since 1904.

The Dominion Bureau of Statistics index number for Iron and Its Products on the base 1926 = 100, advanced from 86.0 in November to 86.2 in December, due mainly to higher quotations for galvanized and hot rolled and annealed steel sheets.

No. 1 and No. 2 foundry pig iron, delivered at Montreal, were quoted at \$23.80 and \$23.30 per gross ton respectively. These respective grades delivered at Toronto were unchanged throughout the year at \$22.60 and \$22.10 per gross ton.

UNITED STATES - Pig iron and ferro-alloy production in the United States during 1932 dropped to 8,750,000 tons, the lowest total for any year since the 8,313,000 tons of 1896. It is worthy of comment, however, that in 1895 an output of 9,221,000 tons established a new high record, while last year's production was only about 20 per cent of the all time peak of 42,475,790 tons established in 1929.

Output of pig iron rose slightly during the first two months of 1932, but a decline began in March which continued through August, when a low of 17,115 tons daily was reached. A seasonal increase made itself felt in September, and the number of active furnaces increased from 42, making iron at the rate of 16,225 tons a day on September 1, to 51 furnaces producing at the rate of 20,860 tons on December 1.

PIG IRON AND FERRO-ALLOYS IN CANADA

Table 1 - PRODUCTION FOR THE CURRENT AND PRECEDING MONTH (Tons of 2,240 lb.)

Item	DECEMBER, 1932			NOVEMBER, 1932		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
In blast furnace:-						
Basic	22,842	...	22,842	14,149	...	14,149
Foundry .....	...	4,189	4,189	...	...	...
Malleable .....	...	...	...	...	...	...
TOTAL	22,842	4,189	27,031	14,149	...	14,149
Ferro-alloys .....	...	1,090	1,090	100	1,444	1,544

Table 2 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER (Tons of 2,240 lb.)

Item	1	9	3	2	1	9	3	1	(x)
	For own use		For sale	TOTAL	For own use		For sale	TOTAL	
In blast furnaces:-									
Basic	105,058		...	105,058	309,650		2,200	311,850	
Foundry .....	...		25,246	25,246	1,128		79,764	80,892	
Malleable .....	...		13,826	13,826	5,669		21,627	27,296	
TOTAL	105,058		39,072	144,130	316,447		103,591	420,038	
Ferro-alloys .....	...		15,487	15,487	...		46,764	46,764	

(x) Revised.

Table 3 - BLAST FURNACE CHARGES, DECEMBER, NOVEMBER, AND YEAR TO DATE

		December	November	Year to date
Imported iron ore	long tons	49,605	25,238	253,213
Canadian limestone	short tons	...	...	34,501
Imported limestone	short tons	17,787	10,622	42,585
Coke made in Canada:				
From Canadian coal	short tons	19,360	17,553	37,984
From imported coal	short tons	12,442	...	118,916
Imported coke	short tons	...	...	...

Table 4 - PRODUCTION FOR THE CURRENT MONTH AND PRECEDING MONTH (Tons of 2,240 lb.)

Item	DECEMBER, 1932			NOVEMBER, 1932		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	29,013	...	29,013	34,243	...	34,243
Acid .....	...	...	...	...	...	...
Electric	973	...	973	2,036	...	2,036
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ..	29,986	...	29,986	36,279	...	36,279
<u>STEEL CASTINGS</u>						
Open hearth - Basic	21	181	202	51	208	259
Acid .....	...	...	...	...	...	...
Bessemer .....	...	60	60	5	36	41
Electric	15	492	507	2	507	509
TOTAL DIRECT STEEL CASTINGS	36	733	769	58	751	809
GRAND TOTAL	30,022	733	30,755	36,337	751	37,088

Table 5 - CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER

Item	1 9 3 2			1 9 3 1 (x)		
	For own use	For sale	TOTAL	For own use	For sale	TOTAL
<u>STEEL INGOTS</u>						
Open hearth - Basic	311,741	619	312,360	612,402	35	612,437
Acid .....	...	...	...	...	...	...
Electric	19,213	...	19,213	25,017	...	25,017
Other .....	...	...	...	...	...	...
TOTAL STEEL INGOTS ..	330,954	619	331,573	637,419	35	637,454
<u>STEEL CASTINGS</u>						
Open hearth - Basic	440	2,393	2,833	3,348	11,412	14,760
Acid .....	...	...	...	...	...	...
Bessemer	74	795	869	100	490	590
Electric	300	7,213	7,513	13	19,292	19,305
TOTAL DIRECT STEEL CASTINGS	814	10,401	11,215	3,461	31,194	34,655
GRAND TOTAL	331,768	11,020	342,788	640,880	31,229	672,109

(x) Revised.

Table 6 - AVERAGE MONTHLY PRODUCTION OF PIG IRON, STEEL INGOTS AND CASTINGS IN CANADA, 1916 - 1930

(In 1000's of Long Tons)

Year	Monthly Average		Year	Monthly Average	
	Iron	Steel		Iron	Steel
1916	87	106	1924	49	54
1917	87	130	1925	48	63
1918	89	140	1926	63	64
1919	68	77	1927	59	76
1920	81	92	1928	86	103
1921	50	56	1929	91	115
1922	32	40	1930	62	84
1923	73	74			

Table 7 - PRODUCTION OF PIG IRON BY MONTHS AND BY PROVINCES, AND STEEL INGOTS AND CASTINGS BY MONTHS IN CANADA, 1931 and 1932. (In 1000's of long tons)

Month	P I G		I R O N		S T E E L			
	NOVA SCOTIA		ONTARIO		TOTAL CANADA			
	1931	1932	1931	1932	1931	1932		
January	15	...	21	10	36	10	58	25
February	14	...	32	11	46	11	83	28
March	17	...	40	18	75	18	99	44
April	17	...	37	17	54	17	91	36
May	15	...	36	13	51	13	75	29
June	15	...	41	8	56	8	56	18
July	8	...	32	7	40	7	45	28
August .....	...	...	23	6	23	6	52	27
September .....	...	...	18	6	18	6	33	23
October .....	...	...	12	7	12	7	31	17
November .....	...	14	14	...	14	14	28	37
December .....	...	16	14	11	14	27	21	31
TOTAL	101	30	320	114	421	144	672	345
MONTHLY AVERAGE	8	2	27	10	36	12	56	29

Table 8 - BLAST FURNACES IN CANADA, 1931.

Name of Company	Location	Number of stacks	Total Daily Capacity (Long tons)
British Empire Steel Corp. 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 Corp. Ltd.	Sault Ste. Marie, Ont.	4	1,600

Table 9 - DESCRIPTION OF FURNACES AT END OF DECEMBER, 1932.

Condition of furnace	Number of furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast	2	1,000	24
Banked	0	0	0
Blown out	9	3,225	76
TOTAL FURNACES REPORTING	11	4,225	100

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