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Monthly Report

on

PRODUCTION OF IRON AND STEEL

in Canada

JANUARY 1930

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

JANUARY 1930

PIG IRON.- Production of pig iron in Canada during January amounted to 87,079 tons. This was 5 per cent over the 82,632 tons of December, 1929, and while slightly under the 87,764 tons made in January, 1929, it was the second largest tonnage reported for any January since 1919 when 93,000 tons were produced.

Gains over the December figures were due to an increase in the output of basic iron to 48,898 tons from 45,295 tons and in malleable iron to 8,108 tons from 4,901 tons. Foundry iron was slightly lower at 30,073 tons as compared with 32,436 tons in December.

Blast furnace charges for January included 158,816 long tons of imported iron ore, 46,559 short tons of limestone and 93,694 short tons of coke. Of the limestone, only 11,310 tons were of Canadian origin and of the coke 28,151 tons were made in Canada from Canadian coal and 54,167 tons were made in Canada from imported coal. The remainder was imported in each case.

The number of furnaces in blast on January 31 remained the same as at the end of December and had a daily capacity of 2,525 long tons per day, or about 60 per cent of the total capacity of all iron blast furnaces in Canada. They 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 January at 6,943 tons was slightly under the 6,986 tons reported for December.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings at 115,200 tons in January was 40 per cent over the 82,415 tons of the previous month but slightly under the 116,260 tons reported for January of a year ago. Compared with the figures for December, data for January showed an advance in the output of steel ingots to 108,644 tons from 76,389 tons and in steel castings to 6,556 tons from 6,026 tons. Of the month's total, all but 84 tons of the ingots and 308 tons of the castings were made for the further use of the producers, the remainder being intended for sale.

PRICES.- Appreciable improvement in spot as well as future delivery demand was reported in Canadian markets during January. A considerable number of pig iron users were said to be covered up to the end of March, although hope of reductions following recent cuts in the Buffalo market probably retarded buying. There were no changes in foundry pig iron prices in eastern markets. No. 1 and No. 2 grades at Toronto continued at \$23.60 and \$23.10 per gross ton respectively, and comparable Montreal prices remained at \$25.00 and \$24.50 per gross ton.

The Bureau's index of "Iron and Its Products" was slightly lower, declining from 93.5 to 93.4 in January due to weakness in black steel sheet and automobile body plate prices.

UNITED STATES.- In the United States 19 iron blast furnaces were blown in during January and 3 shut down, leaving a net gain of 16 furnaces. As most of these furnaces became active towards the end of the month, the increase in output was not sufficient to bring the January total above that of December. The average daily production in January was 91,209 tons, a decline of less than 1 per cent from the 91,513 tons per day in the previous month.

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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	JANUARY 1930			DECEMBER 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	48,698	200	48,898	45,207	83	45,293
Foundry.....	193	29,880	30,073	149	32,287	32,436
Malleable.....	-----	8,108	8,108	-----	4,901	4,901
TOTAL.....	48,891	33,188	87,079	45,356	37,276	82,632
Ferro-alloys.....	-----	6,943	6,943	-----	6,986	6,986

Table 2. CUMULATIVE PRODUCTION FOR THE TWELVE MONTHS ENDING DECEMBER
(Tons of 2240 lb.)

ITEM	1929			1928*		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	766,104	15,357	781,461	702,823	21,736	724,559
Foundry.....	7,082	227,144	234,226	47,598	185,788	233,386
Malleable.....	758	73,799	74,557	28,827	50,955	79,782
TOTAL.....	773,944	316,300	1,090,244	779,248	258,479	1,037,727
Ferro-alloys.....	-----	80,010	80,010	-----	45,233	45,233

Table 3. BLAST FURNACE CHARGES - JANUARY 1930, DECEMBER 1929, AND YEAR 1929.

				YEAR
				1929
				JANUARY 1930
				DECEMBER 1929
Imported Iron ore.....	Long tons	158,816	148,874	1,925,041
Canadian Limestone.....	Short tons	11,310	10,121	130,239
Imported Limestone.....	" "	35,249	33,318	468,791
Coke made in Canada:-				
From Canadian coal.....	" "	28,151	25,989	429,177
From Imported coal.....	" "	54,167	52,243	658,120
Imported coke.....	" "	11,376	11,205	92,413

* Revised.

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JANUARY 1930			DECEMBER 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	104,959	84	105,043	73,479	95	73,574
Acid	-----	-----	-----	-----	-----	-----
Electric	2,144	-----	2,144	1,916	814	2,730
Other	1,457	-----	1,457	85	-----	85
TOTAL STEEL INGOTS	108,560	84	108,644	75,480	909	76,389
STEEL CASTINGS:						
Open Hearth-Basic	273	3,123	3,396	327	2,435	2,762
Acid	-----	-----	-----	-----	-----	-----
Bessemer	6	190	196	4	241	245
Electric	29	2,935	2,964	29	2,990	3,019
TOTAL DIRECT STEEL CASTINGS	308	6,248	6,556	360	5,666	6,026
GRAND TOTAL	108,868	6,332	115,200	75,840	6,575	82,415

Table 5 CUMULATIVE PRODUCTION for the TWELVE MONTHS ending DECEMBER

	1929			1928*		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	1,284,487	4,187	1,288,674	1,189,399	-----	1,189,399
Acid	-----	-----	-----	-----	-----	-----
Electric	13,637	814	14,451	-----	602	602
Other	6,418	-----	6,418	-----	-----	-----
TOTAL STEEL INGOTS	1,304,542	5,001	1,309,543	1,189,399	602	1,190,001
STEEL CASTINGS:						
Open Hearth-Basic	2,453	26,046	28,499	6,654	13,445	20,109
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	60	2,683	2,746	88	1,931	2,019
Electric	201	31,421	31,622	124	22,466	22,590
TOTAL DIRECT STEEL CASTINGS	2,738	67,407	70,145	6,876	37,842	44,713
GRAND TOTAL	1,307,280	72,408	1,379,688	1,196,275	38,444	1,234,719

* Revised.

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) 1929-1930.

MONTH	PIG IRON				STEEL			
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1929	1930	1929	1930	1929	1930	1929	1930
January.....	21	23	67	64	88	87	116	115
February.....	41		53		94		117	
March.....	32		54		86		137	
April.....	24		55		79		122	
May.....	24		57		81		126	
June.....	25		65		90		120	
July.....	23		77		100		130	
August.....	31		82		113		120	
September.....	31		68		99		99	
October.....	24		67		91		116	
November.....	22		65		87		94	
December.....	22		61		83		82	
TOTAL.....	320	23	771	64	1,091	87	1,379	115
MONTHLY AVERAGE.....	27	23	64	64	91	87	115	115

Table 8. BLAST FURNACES IN CANADA, 1929.

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	350
The Steel Company of Canada, Ltd.,	Hamilton, Ont.	2	825
Algoma Steel Corporation, Ltd.	Sault Ste. Marie, Ont.	4	1,600
TOTAL		11	4,175

Table 9. DESCRIPTION OF FURNACES AT END OF JANUARY 1930

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	7	2,525	60
Banked.....	-	-	-
Blown out.....	4	1,650	40
Total furnaces reporting.....	11	4,175	100

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