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on

PRODUCTION OF IRON AND STEEL

in Canada

JUNE 1929

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DOMINION BUREAU OF STATISTICS, CANADA
DOMINION STATISTICIAN - R. H. COATS, B. A., F. S. S. (HON.), F.R.S.C.

S. J. COOK, B.A., A.I.C., F.C.I.C., -- Chief of the
MINING, METALLURGICAL AND CHEMICAL BRANCH

PRODUCTION OF IRON AND STEEL IN CANADA

JUNE 1929

PIG IRON.- Production of coke pig iron in Canada during June amounted to 89,873 long tons, according to a statement issued by the Dominion Bureau of Statistics at Ottawa. This tonnage while slightly under the 97,379 tons produced in June of a year ago, was the second highest reported for the current year to date being 9 per cent over the total of 81,464 tons in May and only exceeded by the 93,939 tons of February. Compared with data for the next preceding month, June figures showed gains in the output of the basic and foundry grades and a lower production of malleable iron. Basic iron advanced to 68,059 tons from 63,972 tons, foundry iron rose to 16,252 tons from 5,800 tons and malleable iron dropped to 5,562 tons from 11,692 tons.

Blast furnace charges for the month under review included 160,065 long tons of imported iron ore, 51,211 short tons of limestone and 96,560 short tons of coke. Of the limestone 10,992 tons were mined in Canada; of the coke 31,798 tons were made in Canada from Canadian coal and 59,761 tons were made in Canada from imported coal. Imported raw materials other than ore and coal used in the manufacture of coke, used during the month included 40,219 short tons of limestone and 5,001 tons of coke. For the first half of this year furnace charges totalled 898,194 tons of ore, 290,359 tons of limestone and 558,373 tons of coke.

On June 3, at Sault Ste. Marie, one furnace having a capacity of 450 tons per day was blown in and on June 18, a 300-ton furnace was blown out. The furnace at Port Colborne, which was blown out on February 11 for alterations to increase the tonnage, re-opened on June 10 with a rated capacity of 350 tons per day. This resulted in 7 furnaces being in blast on June 30, located as follows: 2 at Sydney, N.S.; 2 at Hamilton, Ont.; 2 at Sault Ste. Marie, Ont.; and 1 at Port Colborne, Ont. The active furnaces had a daily capacity of 2,975 long tons which amounted to over 71 per cent of the total capacity of all blast furnaces in Canada.

For the six months ending June 30, 1929, the cumulative production of pig iron in Canada reached a total of 518,557 tons. This tonnage replaced the figures for the corresponding period of 1918 at 501,000 tons as the second highest on record and was only 1 per cent under the high level of 524,000 tons which was established for the first half of 1917. During the first six months in 1928, production amounted to 468,013 tons. Output for the half-year under review included 401,758 tons of basic iron, 87,052 tons of foundry iron and 29,747 tons of malleable iron.

FERRO-ALLOYS.- Production of ferro-alloys in Canada declined slightly during June to 6,261 tons from 6,351 tons in the previous month. During the first half of this year production totalled 36,593 tons, an increase of 40 per cent over the 26,014 tons made during the corresponding period of a year ago. This year's output included two main grades, one having a high manganese content and the other running up to 50 per cent silicon.

STEEL INGOTS AND CASTINGS.- Production of steel ingots and direct steel castings during June dropped to 119,505 long tons from 126,372 tons in the previous month but was slightly higher than the 116,530 tons produced in June of a year ago. Compared with the figures for the next preceding month, data for June showed a decline in steel ingots to 113,341 tons from 120,015 tons while the output of steel castings was little changed at 6,164 tons as against 6,357 tons.

For the six months ending June, 1929, production aggregated 738,842 tons, an increase of 14 per cent over the 648,338 tons made during the first half of last year and 52 per cent greater than the 487,310 tons produced during the corresponding period of 1927. This year's output to the end of June included 703,600 tons of ingots and 35,242 tons of castings.

PRICES.- Prices for pig iron again remained stationary during June. Mid-month quotations at Montreal were: No. 1 foundry, \$25.50 to \$26.00 and No. 2 foundry, \$25.00 to \$25.50. At Toronto No. 1 foundry and No. 2 foundry were \$24.60 and \$24.10, respectively. The Bureau's index for the group "Iron and its Products" was slightly lower for June, declining from 94.5 to 93.9, due chiefly to weaker quotations for structural shapes.

UNITED STATES.- According to "Iron Age", a new record for June was made in pig iron, when the daily average output was 123,255 tons or less than 2 per cent under the daily average of 125,745 tons in May, when the highest recorded monthly output was reached. The output for the six months ending June was greater than in any preceding first half-year. During June 4 furnaces were shut down and 3 blown in, a net loss of 1.

PIG IRON AND FERRO-ALLOYS IN CANADA

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

ITEM	JUNE 1929			MAY 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	67,424	635	68,059	63,972	-----	63,972
Foundry.....	144	16,108	16,252	170	5,630	5,800
Malleable.....	-----	5,562	5,562	-----	11,692	11,692
TOTAL.....	67,568	22,305	89,873	64,142	17,322	81,464
Ferro-alloys.....	-----	6,261	6,261	-----	6,351	6,351

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

ITEM	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
In blast furnace:						
Basic.....	400,049	1,709	401,758	349,524	6,278	355,802
Foundry.....	850	86,202	87,052	6,923	81,153	88,076
Malleable.....	-----	29,747	29,747	-----	24,135	24,135
TOTAL.....	400,899	117,658	518,557	356,447	111,566	468,013
Ferro-alloys.....	-----	36,593	36,593	-----	26,014	26,014

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

		JUNE 1929	MAY 1929	YEAR TO DATE
Imported Iron ore.....	Long tons	160,065	141,282	898,194
Canadian Limestone.....	Short tons	10,992	12,017	64,157
Imported Limestone.....	" "	40,219	35,675	226,202
Coke made in Canada:-				
From Canadian coal.....	" "	31,798	31,178	223,781
From Imported coal.....	" "	59,761	55,961	307,188
Imported coke.....	" "	5,001	-----	27,404

STEEL INGOTS AND CASTINGS IN CANADA

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

ITEM	JUNE 1929			MAY 1929		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS:						
Open Hearth-Basic	112,445	-----	112,445	115,891	3,114	119,005
Acid	-----	-----	-----	-----	-----	-----
Electric	722	-----	722	739	-----	739
Other	174	-----	174	271	-----	271
TOTAL STEEL INGOTS	113,341	-----	113,341	116,901	3,114	120,015
STEEL CASTINGS:						
Open Hearth-Basic	169	3,185	3,354	195	3,036	3,231
Acid	-----	-----	-----	-----	-----	-----
Bessemer	5	170	175	5	234	239
Electric	11	2,624	2,635	6	2,881	2,887
TOTAL DIRECT STEEL CASTINGS	185	5,979	6,164	206	6,151	6,357
GRAND TOTAL	113,526	5,979	119,505	117,107	9,265	126,372

Table 5 CUMULATIVE PRODUCTION for the SIX MONTHS ending JUNE

	1929			1928		
	For Own Use	For Sale	TOTAL	For Own Use	For Sale	TOTAL
STEEL INGOTS.						
Open Hearth-Basic	689,383	3,629	693,012	616,184	-----	616,184
Acid	-----	-----	-----	-----	-----	-----
Electric	5,272	-----	5,272	5,155	184	5,339
Other	5,316	-----	5,316	3,787	183	3,970
TOTAL STEEL INGOTS	699,971	3,629	703,600	625,126	367	625,493
STEEL CASTINGS:						
Open Hearth-Basic	1,078	9,648	10,726	1,166	9,342	10,508
Acid	24	7,254	7,278	-----	-----	-----
Bessemer	39	1,484	1,523	53	897	950
Electric	64	15,651	15,715	155	11,232	11,387
TOTAL DIRECT STEEL CASTINGS	1,205	34,037	35,242	1,374	21,471	22,845
GRAND TOTAL	701,176	37,666	738,842	626,500	21,838	648,338

Table 6 AVERAGE MONTHLY PRODUCTION OF
PIG IRON, STEEL INGOTS AND CASTINGS

IN CANADA, 1916 - 1927.

(In 1000's of Long Tons)

YEAR	MONTHLY AVERAGE		YEAR	MONTHLY AVERAGE	
	Iron	Steel		Iron	Steel
1916.....	87	106	1922.....	32	40
1917.....	87	130	1923.....	73	74
1918.....	89	140	1924.....	49	54
1919.....	66	77	1925.....	48	63
1920.....	81	92	1926.....	63	64
1921.....	50	56	1927.....	59	76

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) 1928-1929.

MONTH	PIG IRON						STEEL	
	Nova Scotia		Ontario		Total Canada		Total Canada	
	1928	1929	1928	1929	1928	1929	1928	1929
January.....	22	21	43	67	65	88	84	116
February.....	24	41	41	53	65	94	99	117
March.....	26	32	52	54	78	86	118	137
April.....	25	24	50	55	75	79	113	122
May.....	24	24	64	57	88	81	118	126
June.....	24	25	73	65	97	90	117	120
July.....	21		74		95		83	
August.....	23		69		92		89	
September.....	24		67		91		100	
October.....	25		68		93		109	
November.....	30		65		95		108	
December.....	35		68		103		103	
TOTAL.....	303	167	734	351	1,037	518	1,241	738
MONTHLY AVERAGE.....	25	28	61	58	86	86	103	123

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 JUNE 1929

Condition of Furnace	Number of Furnaces	Total Daily Capacity	
		Long tons	Per cent
In blast.....	7	2,975	71
Banked	-	-	-
Blown out.....	4	1,200	29
Total furnaces reporting.....	11	4,175	100

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