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DOMINION BUREAU

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DEPARTMENT OF TRADE AND COMMERCE DOMINION BUREAU OF STATISTICS CENSUS OF INDUSTRY MINING, METALLURGICAL AND CHEMICAL BRANCH

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CONSUMPTION OF COKE IN CANADA - 1943

The apparent consumption of coke in Canada during 1943 amounted to 4.702,937 tons compared with 4,406,123 tons in 1942.

Production of coke (including petroleum coke and pitch coke) during 1943 totalled 3.655.080 tons and imports entered for consumption amounted to 1,255,785 tons. making a total supply of 4,982,926 tons. However, exports and re-exports totalled 104,927 tons and producers' and dealers' stocks increased 105,101 tons, leaving 4,702,837 tons as the quantity made available for use in Canada during the year. The distribution of this tonnage, by areas, was as follows: Maritimes, 557,956 tons; Quebec 818,429 tons; Ontario 3,028,986 tons, and the Western Provinces 297,466 tons. This calculation does not take into consideration any interprovincial shipments of coke or any changes in stocks held by users as complete records are not available concerning such movements.

Actual consumption records, as compiled from the Census of Industry reports for 1943, show that 2,245,062 tons of coke were used in blast furnaces and cupolas: 821.639 tons were used as raw materials in manufacturing, and 403,282 tons were used as fuel in manufacturing, mining and smelting industries. Thus a total of 3,469,983 tons has been accounted for and the difference of 1,232,854 tons must represent the quantity available for use as domestic fuel or in commercial establishments, such as retail stores, repair shops, warehouses, etc., which are not covered by the Industrial Census. The distribution by areas of the latter figure (mostly domestic consumption) was as follows: Maritimes 126,225 tons; Quebec 286.984 tons; Ontario 705.147 tons, and the Western Provinces 114,528 tons. Here, again, no allowance has been made for interprovincial shipments.

Coke charged to smelting furnaces and cupolas during 1943 amounted to 2.245,062 tons, of which 1,646,191 tons were used in iron blast furnaces, 5,158 tons in steel furnaces, 69,563 tons in ferro-alloy furnaces, 372,105 tons in furnaces used for smelting of non-ferrous ores, 5,238 tons in brass foundries, and 146,807 tons in foundry cupolas. The consumption, by districts, was as follows: Maritimes. 395.883 tons: Quebec 47.895 tons; Ontario 1.710,724 tons, and the Western Provinces 90,560 tons.

Coke used as a raw material in manufacturing in 1943 totalled 821,639 tons, of which 327,446 tons were used in the manufacture of calcium carbide; 8,120 tons in making carbon dioxide; 180,755 tons in making illuminating and fuel gas; 72.589 tons in making artificial abrasives; 222,907 tons in the manufacture of carbon electrodes, and 9,822 tons in the manufacture of rock wool. Plants in Ontario used 328,128 tons; in Quebec 423,107 tons, and in the Western Provinces 70,404 tons.

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297,466

4,702,837

作のわるのう	- PRODUCTION	OF COKE	TNC	ANTADA	3047
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	La			Man., Sask.,			
			Quebec	Ontario	Alberta and B.C.	CANADA	
2401.5001	SULL	SALASSIE CO.					
Coke and gas industry	ton	557,696	510,983	2,178,743	304, 351	3,551,773	
State of the state	\$	3,971,707	5,066,466	20,044,820	2,256,985	31,339,978	
Petroleum refining	ton	273	1,122	82,411	1,506	85,312	
industry	- \$	696	8,938	598,726	8,477	616,837	
Coal tar refining	ton	5,054	638	11,781	522	17,995	
industry	\$	46,689	6,076	88,497	6,673	147,935	
TO TAL	ton	565,025	512,743	2, 272, 935	306, 379	3,655,080	
	\$	4,019,092	5,081,480	20,732,043	2, 272, 135	32,104,750	

Table 2 - APPARENT CONSUMPTION O	F COKE IN	CANADA,	BY PROVINCES	, 1943 (Sho	rt tons)
The state of the s	P.E.I.,		Man., Sask.,		
	N.S.	Quebec	Ontario	Alberta	CANADA
THE STATE OF THE S	and N.B.			and B.C.	
Production	563,023	512,743	2,272,935	306, 379	3,655,080
es in producers' stocks	+1,565	+1,585	-28,850	-2,512	-27,939
	564,588	514,601	2,244,085	303,867	3,627,141
Add declines or deduct increas-			324 1		,
es in dealers' stocks	-867	-2,993	-71,190	-112	-75,162
	563,721	511,608	2,172,895	303,755	3,551,979
Add imports entered for consump-					
tion	72	508,121	909,228	38,364	1,255,785
	563,793	819,729	3,082,123	342,119	4,807,764
Deduct exports and re-exports	5,337		53,137	44,653	104,927

Note: The imports "entered for consumption" represent tonnages cleared from customs ports. The tonnages entered under this heading differ slightly from actual imports.

APPARENT CONSUMPTION ... 557,956 818,429 3,028,986

Table 3 - CONSUMPTION OF COKE IN CANADA IN SMELTING FURNACES AND CUPOLAS, BY INDUS-

		TRI	ES, 1945	A CONTRACTOR	free free fee	attended in the same
MANUAL MEL	(New	P.E.I.	1000	3 1	Man., Sask.	Witter . Committee
Industry		N.S.	Quebec	Ontario	Alberta	CANADA
	- 14/24	and N.B.			and B.C.	10 10 10 10 10 10 10 10 10 10 10 10 10 1
製作 A 所						MATOT
Pig iron, ferro-alloys,		335 5 333		3		
steel ingots and steel	ton	589,202	8,542	1,321,696	1,472	1,720,912
castings	\$ -	2,623,359	80,870	11,903,772	19,576	14,627,577
Iron castings	ton	1,516	13,155	42,168	5,645	62,484
The state of the s	\$	24,267	207,592	653, 347	102,639	987,845
Heating and cooking	ton	1,558	1,773	6, 323	917	10,571
apparatus	\$	29,256	28,216	100,744	15,092	171,308
Boilers, tanks and	ton	292	5,600	6,099		11,991
platework	\$	5,504	100,404	96,728		202,636
Farm implements and	ton		250	6,437	135	6,822
machinery	\$		2,732	110,184	3,100	116,016
Machinery	ton	600	5,846	8,577	2,058	17,081
	\$	6,713	122,521	133, 239	40,139	502,612

Table 3 - CONSUMPTION OF COKE IN CANADA IN SMELTING FURNACES AND CUPOLAS, BY INDUS-

With the Third Sales of Sales	P.E.I.		luded			
Industry		N.S.	Quebec	Ontario	Alberta	CANADA
		and N.B.			and B.C.	
Railway rolling stock	ton	2,152	9,300	11,275	4,971	27,698
The state of the s	8	41,278	134,596	180,555	102,999	459,428
Automobile parts	ton			9,239		9,239
1947 (8.9)	\$			154,776		154,776
Other iron and steel	ton	31.2	25	145	459	921
120 12 12 12 12 12 12 12 12 12 12 12 12 12	\$	2,657	250	1,831	9,618	14,356
Non-ferrous metallurgi-	ton		2,478	295,187	74,440	372,105
cal works	\$		35,839	3,585,575	692,884	4,312,298
Brass foundries	ton	251	926	3,578	483	5,238
	- 8	4,512	11,697	48,099	10,700	75,008
TOTAL	ton	395,883	47,895	1,710,724	90,560	2,245,062
	\$	2,737,546	722,717	16,968,850	994,747	21,423,860

Table 4 - CONSUMPTION OF COKE IN CANADA AS MANUFACTURING MATERIAL(x), BY INDUSTRIES,

The Ventor of the State of the	- 1 F 1 S	1	9 4 3			
		P.E.I.,			Man., Sask.	, constant be
Industry	STEE	N.S.	Quebec	Ontario	Alberta	CANADA
A Section of the section of the		and N.B.			and B.C.	
	-100		Total Visited in	HOE THE LIES	STATE TO SELL	
Acids, alkalies and salts	ton		137,063	167,511	22,872	327,446
200 100 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$		1,622,146	1,852,512	224,786	3,699,444
Compressed gases	ton		3,637	2,763	1,720	8,120
NOT THE RESERVE	\$		54,466	37,656	23,729	115,851
Artificial abrasives	ton	• • •	26,639	45,950		72, 589
transferre level they be to lead	\$	· · · · · · · · · · · · · · · · · · ·	470,924	523,178		994,102
Coke and gas	ton		65,608	69,335	45,812	180,755
BURN AND THE RESERVE	\$		662, 297	581,275	347,345	1,590,917
Miscellaneous non-metal-			eta s ja läuli			The State of
lic mineral products			正约11年1日至1月	ME THE STREET	A 4 CHEVONIA	
(carbon electrodes and	ton	F	187,907	35,000		222,907
foundry facings)	- \$		4,529,432	330,000		4,859,432
Stone products (rock	ton		2,253	7,569		9,822
wool)	\$		33,303	101,286		134,589
TOTAL	ton		423,107	328,128	70,404	821,639
			7,372,568	3,425,907	595,860	11,394,335
	1 4 1	3 3		1 01 1 -1 -1	and the same of the same	SA TRANSPORT OF THE PARTY OF TH

(x) For making calcium carbide, carbon dioxide, artificial abrasives, water gas, carbon electrodes, foundry facings, rock wool, etc.

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Table 5 - CONSUMPTION OF COKE IN CANADA AS INDUSTRIAL FUEL IN THE MANUFACTURING,

MINING AND SMELTING INDUSTRIES, 1943							
		P.E.I	1 -11-	134	Man., Sask.,		
Industry		N.S.	Quebec	Ontario	Alberta	CANADA	
		and N.B.			and B.C.		
Manufacturing							
Chemicals and allied prod-	ton	47	4,869	2,118	521	7,555	
ucts	- \$	507	44,376	24,875	5,813	75,571	
Iron and steel and their	ton	17,989	18,922	56,452	7,586	100,949	
products	\$	59,425	221,844	325,123	119,559	725,951	
Non-ferrous metal products	ton		1,639	17,549	93	19,280	
(excluding smelters)	\$		21,740	223,601	1,369	246,710	
Non-metallic mineral prod-	ton	5,730	25,899	136,653	7,932	174, 214	
ucts (excluding cement,		40,461	126,109	830,102	49,113	1,045,785	
lime, clay and salt)			III. STREET				
Animal products	ton	100	398	9,412	119	10,029	
THE HEAD THE SPECIAL COLOR	\$	1,316	4,763	52, 325	940	59,344	
Textile products	ton	73	526	386	5	990	
	\$	705	7,321	4,360	63	12,449	
Vegetable products	ton	8,910	8,966	21,008	4,040	42,924	
Charles and the second	\$	95,308	112,178	267,674	52,820	527,980	
Wood and paper products	ton	87	531	1,469	146	2,233	
	8	1,175	6,289	14,874	1,775	24,113	
Miscellaneous products	ton		256	120	33	409	
7 (1) (2) (1)	\$		3,049	1,557	508	5,114	
Total Manufacturing	ton	32,936	60,006	245,166	20,475	358,583	
Industries	\$	198,897	547,669	1,744,491	231,960	2,723,017	
MANUFACTURE THE	Cale	31 1:11					
Mining Industries	ton	2,942	437	39,821	1,499	44,699	
CON STATE OF THE PARTY OF THE P	3	19,614	5,143	300,159	17,020	541,935	
TOTAL	ton	35,878	60,443	284,987	21,974	403, 282	
	\$	218,511	552,812	2,044,649	248,980	3,064,952	

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1943, WITH COMPARATIVE DATA FOR 1941 and 1942 (Short tons)

COMPARATIVE DATA FOR 1941 and 1942 (Short tons)								
	P.E.I.,			Man., Sask.,				
	N.S.	Quebec	Ontario	Alberta	CANADA			
Was all and the same	and N.B.			and B.C.				
19800								
DES APR 1 9 4 3								
Furnace charges	395,893	47,895	1,710,724	90,560	2,245,062			
Manufacturing material	5000	423,107	328,123	70,404	821,639			
Industrial fuel	35,878	60,443	284,987	21,974	403, 282			
Available for other uses	Water Street	Total Usa	Personal marketing	of post-order	a rinderon			
(mostly domestic)	126,225	286,984	705,147	114,529	1,232,854			
APPARENT CONSUMPTION	557,986	818,429	3,028,986	297,466	4,702,837			
1942								
Furnace charges	510,725	49,312	1,763,242	93,722	2,417,001			
Manufacturing material		298,191	273, 354	62,695	634,240			
Industrial fuel	36,441	53,980	285,675	21,736	397,832			
Available for other uses	14		7,161					
(mostly domestic)	94,712	300,022	449,373	112,943	957,050			
APPARENT CONSUMPTION	641,878	701,505	2,771,644	291,096	4,406,123			

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1943, WITH COMPARATIVE DATA FOR 1941 and 1942 - (Short tons)

Concluded								
	P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA			
1941								
Furnace charges	450,126	44,190	1,358,509	91,326	1,944,151			
Manufacturing material		249,793	192,177	67,905	509,875			
Industrial fuel	29,097	48,928	252,272	15,469	345,766			
Available for other uses								
(mostly domestic)	118,594	269,235	806,179	98,227	1,292,235			
APPARENT CONSUMPTION	597,817	612,146	2,609,137	272,927	4,092,027			

- Notes: 1. Figures showing the tonnage of coke available for other uses are obtained by difference and include the coke used for purposes other than specified in these tables. Sales of coke for domestic use by retail coal dealers amounted to 984,000 tons in 1943, and in that year the coke producers sold 156,000 tons of coke direct to consumers for domestic use, making total sales of 1,140,000 tons for this purpose in 1943.
 - 2. No allowance has been made for changes during the year in stocks of coke held by users.
 - 3. No allowance has been made for interprovincial shipments of coke.



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