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CONSULPTION OF COKE IN CANADA - 1942

The apparent consumption of coke in Canada during 1942 amounted to 4,406,123 tons compared with 4,092,027 tons in 1941.

Production of coke (including petroleum coke and pitch coke) during 1942 totalled 3,356,194 tons and imports entered for consumption amounted to 1,088,312 tons, making a total supply of 4,444,506 tons. However, exports and re-exports totalled 97,346 tons and producers' stocks decreased 59,463 tons, leaving 4,406,123 tons as the quantity made available for use in Canada during the year. The distribution of this tonnage, by areas, was as follows: Maritimes, 641,878 tons; Quebec, 701,505 tons; Ontario, 2,771,644 tons, and the Western Provinces, 291,096 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 1942, show that 2,417,001 tons of coke were used in blast furnaces and cupolas, 634,240 tons were used as raw materials in manufacturing, and 397,832 tons were used as fuel in manufacturing, mining and smelting industries. Thus a total of 3,449,075 tons has been accounted for and the difference of 957,050 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, 94,712 tons; Quebec, 300,022 tons; Ontario, 449,373 tons, and the Western Provinces, 112,945 tons. Here, again, no allowance has been made for interprovincial shipments.

Coke charged to smelting furnaces and cupolas during 1942 amounted to 2,417,001 tons, of which 1,795,375 tons were used in iron blast furnaces, 6,819 tons in steel furnaces, 74,021 tons in ferro-altoy furnaces, 372,737 tons in furnaces used for smelting of non-ferrous ores, 3,503 tons in brass foundries, and 164,041 tons in foundry cupolas. The consumption, by districts, was as follows: Maritimes, 510,725 tons; Quebec, 49,312 tons; Ontario, 1,763,242 tons, and the Western Provinces,93,722 tons.

Coke used as a raw material in manufacturing in 1942 totalled 634,240 tons of which 256,446 tons were used in the manufacture of calcium carbide, 6,027 tons in making carbon dioxide, 138,133 tons in making illuminating and fuel gas, 59,933 tons in making artificial abrasives, 165,419 tons in the manufacture of carbon electrodes, and 3,232 tons in the manufacture of rock wool. Plants in Ontario used 273,354 tons; in Quebec, 298,191 tons, and in the Western Provinces, 62,695 tons.

Other iron and steel .. ton

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Coke			- 2 -					
Table 1 - PRODUCTION OF COKE IN CANADA, 1942								
	P.E.	and and an extended the ride of	na crigoria i dicabia cabrillo i dicama.	ng), agb magis to fall-office agreement to the collect rather delicer	Man., Sask.,	The color of the constraint of the constraint of the color of the colo		
			Juebec		Alberta	CANADA		
		N. B.			and B.C.			
Calca and and industry to	on 31.506	300	488 000	1,339,593	298,159	3,205,549		
Coke and gas industry to				16,328,385	2,125,274	27,711,673		
Petroleum refining to				71,486	1,730	73,411		
industry \$		491		517,386	9,360	527,737		
Coal tar refining to		5,975	807	3,543	904	17,234		
industry \$		1,427	5,878	80,117	6,767	137,139		
TOTAL to		5,368	488 906	1,920,627	300,793	3, 556, 194		
5		7,165 4,		16,925,368	2,141,901	28,376,599		
the second secon	2,00	3+00 =	1 100		-14-54-10074	7.04070400		
Table 2 - APPARENT CONSU	MPTION C	F COKE I	H CANADA,	BY PROVINCE	S, 1942 (Sho	rt tons)		
		P.E.I.			Man., Sesk.	,		
		N.S.	Quebec	Ontario	Alberta	CANADA		
		and N. E			and D.C.			
Production		645,868		06 1,980,627		3,355,194		
Add declinar or deduct i		040,000	500,00	0 190009061	300,703	119 0000 104		
es in producers' stocks		-1,713	+10.09	22+46,573	4Λ 5Ω1	+59,463		
es in producers sweets		644,155		8 1,907,200	Charles and a second			
Add imports entered for	con	0119100	100,00	.0 1,001,000	000,000	09 210 9 001		
sumption		177	204 04	. 958 837	97 511	1,033,312		
some contract see see see see see		644 266	700.99	2 998 837	779 PAGE	4,503,969		
Deduct exports and re-ex	morts.	9. 383	1.49	6 59,193	41.789	97.846		
APPARENT CONSUMPTIO	ili	841 878	701.50	5 2.771.644	291.096	4.406.123		
NOTE: The imports "enter								
ports. The tonnages o								
						-		
Table 3 - CONSUMPTION OF	COME II				END CUPULAD,	DY		
anguna is a state-factor of fundamental distributions of first factor of		E.I.	Thrank Ta	42	Man., Sask.,	to the to the to the thirty of the target		
Industry			Guahaa	Ontario	Alberta	CANADA		
Industry				Ontario	and B.C.	UNNIDA		
and the second of the second o	in the second	ill ite ite		array array array ar as assessment of	Will De Ce	er og der bor de og og ber de bereit om der ble		
Pig iron, ferro-alloys,								
	ton	505,708	9,017	1,373,036	1,327	1,889,088		
	\$ 3,	000,024	86,311	11,209,600	17,028	14, 31%, 463		
	ton	1,018	13,257	47,017	6,300	67,658		
	4	18,054	210,001	720,613	107,861	1,050,529		
Heating and cooking	ton	1,630	1,651	6,370	307	10,458		
apparatus	Ş	31,550	18,145	113,042	15,446	175,883		
Boilers, tanks and	ton	233	5,050	6,249	1	11,533		
platework	\$	4,392	78,805	97,944	15	181,158		
1	ton		1.40	7,742	50	7,932		
machinery	\$		1,888	126,385	850	129,123		
	ton	140	5,268	7,959	1,821	15,138		
	Ş	1,676	79,059	122,004	26, 346	229,085		
	ton	1,996	8,699	11,384	4,712	26,791		
	\$	37,967	116,676	178,773	93,893	457,309		
Automobile parts	ton	* * *	5	11,002	• • •	11,007		
	791.		1000	1/3/1		1000		

184,142

9,232

459

9,751

65

184,207

1,101

13,983

Table 3 - CONSULPTION	OF COKE IN CANADA	IN SMELT	ING FURNACES	AND CUPOLAS,	BY			
IRDUSTRIES, 1942 (Concluded)								
	P.E.I.			Man., Sask.,				
Industry	N.S.	Quebec	Ontario	Alberta	CANADA			
	and M.B.	and a second of the second of		and E.C.				
Non-ferrous metallur-	ton	4,465	290,461	77,811	372,737			
	M	58,381	3,313,101	727,545	4,099,027			
gical works								
Erass foundries	ton	1,760	1,380	363	3,508			
			18,188	3,910	43,430			
TOTAL	ton 510,725	49,512	1,703,242	93,722	2,417,001			
	\$ 5,097,303	671,159	16,095,004	1,000,651	20,858,197			
Table 4 - CONSUMPTION			ACTUALING MAT	mIAL(x), BY	INDUSTRIES,			
	1	942						
	P.E.I.			Man., Sask.,				
Industry	N.S.	Quebec	Ontario	Alberta	CANADA			
	and N. B		THE RESERVE	and B.C.				

Industry		P.E.I. N.S. and N.B.	Quebec		Man., Sask., Alberta and B.C.	CANADA
Acids, alkalies and salts.	ton		62,189	170,838	23,419	256,446
Compressed gases	ton	• • •	670,100 2,752	1,801,668	22 9,9 76 1,350	2,701,738
Artificial abrasives	ton		37,330 21,700	28,301	19,373	79,504
	di tan		310,595	430,054 56,688	37,926	740,649 138,133
Coke and gas	ton		43,524 428,649	503,098	269,609	1,201,356
Miscellaneous non-metallic mineral products (carbon						
electrodes and foundry	ton		165,346	73		165,419
facings)			4,015,308	505		4,015,613
Stone products (rock wool)	ton		2,680	5,552		8,232
	8		26,803	71,625		98,428
TOTAL	ton		298,191	273, 354	62,695	634,240
	\$		5,489,285	2,829,045	518,958	8,837,288
(v) For making calcium card	vide.	carbon di	oxide, art	ificial ab	rasives, wate	er sas.

(x) For making calcium carbide, carbon dioxide, artifici carbon electrodes, foundry facings, rock wool, etc.

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

MINING AND SMELTING INDUSTRIES, 1942							
		P.E.I.			Man., Sask.,		
					Alberta	CANADA	
annually and the second species with the second species decided the second seco		and N.b.			and B.C.		
MANUFACTURENG							
Chemicals and allied products	ton	55	5,463	2,859	456	8,793	
	\$	378	41,431	25, 261	5,039	72,109	
Iron and steel and their	ton	14,357	9,062	48,377	8,251	80,047	
products	et .	40,636	107,136	289,854	138,103	575,729	
Non-ferrous metal products	ton		2,932	15,939	391	19,262	
(excluding smelters)	\$		35, 526	190,547	4,204	230, 277	
Non-metallic mineral products		10,447	25,462	145,727	7,204	188,840	
(excluding cement, lime,	\$	64,930	125, 396	1,181,083	54,524	1,425,933	
clay and salt)		Malla C.					
Animal products	ton	50	325	9,556	148	10,079	
EN SEI	er .	423	4,016	73,542	1,207	79,188	
Textile products		25	1,130	351		1,500	
•	0	300	8,162	4,039		12,501	

coke.



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

MINING	AND	SHELTING	INDUSTRIES,	1942 - (0	oncluded)	
		P.E.I.			Man., Sask.,	
		N.S.	Quebec	Ontario	Alberta	CANADA
distributions for the state of the second of		and N.B.			and B.C.	
MANUFACTURING (Con.)						
Vegetable products	ton	6,559	8,398	20,592	3,242	38,791
	\$	67,384	99,109	249,022	48,523	464,538
Wood and paper products	ton	17	691	1,661	134	2,503
	0	191	7,838	15,812	1,595	25,436
Miscellaneous products.	ton		193	115	140	448
	\$		2,258	1,352	1,527	5,137
Total Manufacturing	ton	31,490	53,656	245,177	19,946	350,269
Industries	\$	174,742	430,872	2,030,512	254,722	2,890,848
MINING INDUSTRIES	ton	4,951	324	40,498	1,790	47,563
	\$	29,548	3, 328	269,385	18,850	321,111
TOTAL	ton	36,441	53,980	285,675	21,756	397,832
	\$	204,290	434,200	2,299,897	273,572	3,211,959

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1942, WITH

COMPARATIVE DATA FOR 1940-1941 (Short tons)								
	P.E.I.		Ontario	Man., Sask., Alberta and B.C.	CANADA			
		The second of th						
1942	F10 705	45 27 0	1 707 040	93,722	2,417,001			
Furnace charges	510,725	49,312	1,763,842	,				
Manufacturing material	000	298,191	273,354	62,695	634,240			
Industrial fuel	36,441	53,980	285,675	21,736	397,832			
Available for other uses	0.4 03.6	800 000	4.10 000	220 045	050 050			
(mostly domestic)	94,712	300,022	449,373	112,945	957,050			
APPARENT CONSUMPTION	641,878	701,505	2,771,644	291,096	4,406,123			
1941								
Furnace charges	450,126	44,190	1,358,509	91,326	1,944,151			
'Manufacturing material	1	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			
		- American and the control of the Control	and the state of t	- commendative commendative control of the control	the second secon			
1940								
Furnace charges	471,938	32,710	1,151,805	89,852	1,746,305			
Manufacturing material	120	156,101	157,087	58,810	372,118			
Industrial fuel	34,302	52,108	249,941	21,899	358, 250			
Available for other uses								
(mostly domestic)	78,606	367,361	396,279	65,625	1,407,871			
APPARENT CONSUMPTION	584,966	608,280	2,455,112	1236,186	3,884,544			
NOTES: 1. Figures showing	the tonnage	e of coke	available for	other uses a	re obtained			
by difference and include	the coke	used for p	urposes other	r than specifi	ed in these			
tables. Sales of coke fo	r domestic	use by re	tail coal des	lers amounted	to 702, 217			
tons in 1942, and in that year the coke producers sold 176,865 tons of coke direct								
to consumers for domestic use, making a total of 879,082 tons for this purpose in								
1942. 2. No allowance ha	s been made	for chan	ges during th	e year in sto	cks of coke			

held by dealers or users. It is known that dealers' stocks were increased by 74,982 tons during 1942. 3. No allowance has been made for interprovincial shipments of