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DEPARTMENT OF TRADE AND COMMERCE
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CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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CONSUMPTION OF COKE IN CANADA - 1939

The apparent consumption of coke in Canada during 1939 amounted to 3,118,382 tons compared with 2,700,176 tons in 1958.

Production of coke (including petroleum coke) during 1939 totalled 2,475,427 tons and imports entered for consumption amounted to 659,783 tons, making an available supply of 3,136,210 tons. However, exports and re-exports totalled 84,323 tons and producers' stocks decreased 66,495 tons, leaving 3,118,382 tons as the quantity available for use in Canada during the year. The distribution of this tonnage, by areas, was as follows: Maritimes, 398,790 tons; Quebec, 500,502 tons; Ontario, 2,011,859 tons, and the Western Provinces, 207,231 tons. This calculation, of course, does not take into consideration any interprovincial shipments of coke or any changes in stocks held by dealers or users as no records are available concerning such movements.

Actual consumption records, as compiled from the Census of Industry reports for 1939, show that 1,181,966 tons of coke were used in blast furnaces and cupolas, 311,837 tons were used as raw materials in manufacturing, and 309,167 tons were used as fuel in manufacturing, mining and smelting industries. Thus a total of 1,802,970 tons has been accounted for and the difference of 1,315,412 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 domestic consumption of 1,315,412 tons was as follows: Maritimes, 53,543 tons; Quebec, 304,361 tons; Ontario, 890,239 tons, and the Western Provinces, 67,219 tons. Here, again, no allowance has been made for interprovincial shipments.

Coke charged to smelting furnaces and cupolas during 1939 amounted to 1,181,965 tons, of which 775,869 tons were used in iron blast furnaces, 4,510 tons in steel furnaces, 31,353 tons in ferro-alloy furnaces, 286,958 tons in furnaces used for smelting non-ferrous ores, and 83,276 tons in foundry cupolas. The consumption, by districts, was as follows: Maritimes, 313,050 tons; Quebec, 25,270 tons; Ontario, 769,683 tons, and the Western Provinces, 73,958 tons.

Coke used as a raw material in manufacturing in 1939 totalled 311,837 tons of which 148,591 tons were used in the manufacture of calcium carbide, 4,752 tons in making carbon dioxide, 86,292 tons in making illuminating and fuel gas, 21,933 tons in making artificial abrasives, 46,540 tons in the manufacture of carbon electrodes and 3,674 tens in the manufacture of rock wool. Plants in Ontario used 133,579 tons; in Quebec, 123,420 tons; in the Maritimes, 368 tons, and in the Western Provinces, 54,470 tons.

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Table 1 - PRODUCTION OF COKE IN CANADA, 1939									
		PiE.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CAHADA			
Coke and Gas Industry	Tons	/	,	1,379,942 9,712,164	228,081	2,410,095 -16,763,517			
Petroleum Refining									
Industry	Tons		3"		3,127	66,332			
	\$	2,162	15,592	362,965	3,470	389,189			
TOTAL	Tons	391,475			231,208	2,476,427			
	<u>#</u>	2,609,529	2,991,542	10,075,129	1,476,506	17,152,706			

Table 2 - APPARENT CONSUMPTION OF	COKE IN	CANADA, E	Y PROVINCES	, 1939 (Sho	ort tons)
	P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	
Production	391,475	415,040	1,438,704	231,208	2,476,427
stocks	4,468	11,019	61,737		77,224
	395,943	426,059	1,500,441	231,208	2,553,651
Deduct - Intrease in producers!				10,729	10,729
stocks	395,943	426,059	1,500,441	220,479	2,542,922
Add - Imports entered for con-		1.5			0 MO MO M
sumption	3,932	77,164	565,949 2,063,390	12,738	659,783
Deduct - Exports and re-exports	1,085	2,721		25,986	84,323
APPARENT CONSUMPTION	398,790	500,502	2,011,859	207,231	3,113,382

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

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

		the state of the same of the s	IES, 193	9	and the second s	
		P.E.I.,			Man., Sask.,	
Industry		N.S.	Quebec	Ontario	Alberta	CANADA
		and N.B.		production of Specialization Street, and the	and E.C.	
Pig iron, ferro-alloys,						
steel ingots and steel	Tons	308.920	5,099	490,289	424	311,732
castings	5	1,755,111	22,532	2,920,093	5,337	4,707,073
Castings and forgings	Tons	1,288	6,358	19,391	2,723	30,760
	S	16,395	86,739	230,315	42,527	375,976
Heating and cooking	Tons	1,252	1,387	4,955	455	8,049
apparatus	0	18,930	15,848	62,350	7,412	104,540
Boilers, tanks and	Tons	80	3,190	4,754	52	8,056
engines	\$	983	40,773	55,765	830	98,351
Farm implements and	Tons	0 0 0	155	4,295		4,450
machinery	8	n 0 e	1,695	49,667		51,362
Machinery	Tons	51	2,430	5,082	739	6,302
	8	736	29,340	37,015	9,858	76,949
Railway rolling stock	Tons	1,459	4,638	10,359	2,904	19,410
	\$	23,025	49,221	120,525	46,194	238,965

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

	INDUS	TRIES, 1930	(Concli	ided)		
Industry		P.E.I. H.S. and N.B.	Quobec		Man., Sask., Alberta and B. C.	CANADA
Automobile parts	Tons	• • •	46	5,144 61,342		5,148 61,388
Other iron and steel	Tons			803	209	1,101
Non-ferrous metallurgical			3,459	7,023	60,363	286,058
works		many water and with the district of the san		760,688		2,688,089
		1,813,180	281,968	5,606,661	715,112	8,414,921

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

		109			
	P.E.I.			Man., Sask.,	
Industry	M.S.	Quebec	Ontario	Alberta	CAMADA
	and N.B.			and B.C.	
Acids, alkalies and salts Tor	ns	40,020	82,207	26,304	140,501
horizon de la constante de la		275,298	653,886	25%, 336	1,162,520
F.			-		
Compressed gases To:	rs 368	1,734	1,631	969	4,752
0	6,154	20,734	16,375	12,891	56,154
Artificial abrasives Tor	15	8,217	15,771		21,988
C		97,746	141,184		233,930
Coke and gas To:	1.S	26,399	32,696	27,197	36,292
*		196,561	206,800	180,202	535,662
Miscellaneous non-metallic					
mineral products To:	ns	46,540			46,540
\$		680,452			680,452
Stone products To:	ns	510	3,164	4 4 4	3,674
di di		6,122	37,973		44,095
TOTAL To	ns 368	123,420	133,579	54,470	311,337
\$	6,154	1,276,013		446,519	2,785,213
	7 7 74	9 9	. 0. 1 . 2		1

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

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

174 da 171 da 1	ICI ALID	Did Litting	THINDDL	Time Tang		
		P.E.I.			Man., Sask.,	
		N.S.	Quebec	Ontario	Alberta	CANADA
		and N.B.		-	and B.C.	Service & Service-Sender-Service-Service
MANUFAGTURING						
Chemica a and allied products	Tons	496	5,559	2,818	562	0,255
	\$	2,759	30,556	19,177	3,883	50,360
Iron and steel, and products.	Tons	16,373	7,523	33,128	1,034	53,013
	\$	52,249	71,017	172,206	13,715	500,187
Mon-ferrous metal products	Tens		2,423	5,799	140	8,562
(excluding smelters)	8		18,789	52,608	2,191	73,538
Non-metallic mineral products	Tons	5,237	21,159	126,767	6,687	150,850
(excluding cement, lime, clay and salt)	Ş	32,833	85,454	1,019,112	30,655	1,163,034
Animal products	Tons	14	209	6,300	154	6,737
**************************************	W.	112	2,084	22,002		25,754

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Table 5 - CONSUMPTION OF COKE IN CANADA AS INDUSTRIAL FULL IN THE MANUFACTURING, MINING AND SMELTING INDUSTRIES, 1930 (Concluded)

		P.E.I.,			Man., Bask.,	
		N.S.	Quebec	Ontorio	Alberta	CANADA
		and N.B.			and B. C.	
MANUFACTURING (Conclude	7)		an agent services and the destruction of	migra dan dan din majar dan	printering of the delengenment for the series on	udersammen oper tiller det ritter gan der ritte. Her bleveller i
			3.00	207	7	f* IVO
Textile products	Tons	2	168	307	1.	578
	\$	85	1,090	2,751	13	4,638
Vegetable products	Tons	5,930	9,279	29,778	2,128	47,115
	.	49,196	80,058	255,908	24,176	413, 316
Wood and paper products	Tons	49	502	2,151	27	2,880
	A	511	5,174	13,601	931	20,307
Miscellaneous products.	Tons	2	165	102	114	473
The state of the s	\$	27	1,681	1,839	807	4,444
Total Manufacturing	21		2,002		ar dan	
	Tons	23,003	47,032	207,360	10,765	293,810
Industries	A	137,712	300,652	1,557,292	73,022	2,075,678
MINING INDUSTRIES	Tons	3,026	360	10,945	319	15,357
MERCHIO ENIMOPHED	A	18,548	3,889	79,800	7,401	109,633
TO DAT	(g)	Antiquestariotes replicates recorderates in	men and the international contract the later than the		the same of the same of the same of the	The continues the second representative and the second representative
TOTAL	Tons	31,329	47,451	218,303	11,584	309,167
management of the second secon		150,255	704,041	1,637,092	85,425	2,183,511
					man and an exercise the	
Table 6 - AMALYSIS OF CO						39, WITH
COMP.	ARATIV	T. DATA FO	R 1937-193	8 (Short	tons)	
		P.E.I.			Man., Sask.,	
		M.S.	Quebec	Ontario	Alberta	
		and N.B.			and B. C.	
				rrige dereka uns dereke danskrivige blevik		and algorithm to the control of the
1 9 3 9						
Furnace charges		313,050	25,270	769,688	73,958	1,181,966
Manufacturing material		568	123,420	155,579	54,470	311,837
Industrial fuel		31,800	47,451	218,303		309,167
Available for domestic		01,01,0	2000	1000	22900	000 9 2001
(by difference)		53,543	304,361	200 500	67,219	7 215 410
		the same of the sa		890,280	the same about the contract of	1,315,418
APPARTET CONSUMPTION		393,790	500,502	2,011,850	207,231	3,118,382
1 9 3 8						
Furnace charges	0 < 0	273,671	25,190	710,307	74,842	1,005,010
Manufacturing material		577	112,042	135,774	46,293	205,086
Industrial fuel		23,501	43,215	213,158	10,010	294,884
Available for domestic	use					
(by difference)		62,608	267,657	618,600	68,331	1,017,108
APPARENT CONSUMPTION		360,157		1,691,839	199,476	2,700,176
	-	manine a shire or an ar-	prime a realist a men a	the second secon	and the second s	and in a sure of the sure of t
1 9 3 7						
Furnace charges		358,425	55,087	878,254	63,500	1,383,345
Manufacturing material		337	118,959			
		38,900				388,661 527,838
Industrial fuel		30,000	50,585	220,758	11,145	0,67,500
Available for domestic		00 455	075 700	703 00	70 -40	3 388 400
(by difference)		60,457	17:,198	761,294	76,549	1,173,493
APPARENT CONSUMPTION						
NOTES: 1. Figures showing						
ed by difference and in	nclude	the coke	used for	burbones o	ther than spe	cified in
these tables.						
S. Wo "llowanda "	has be	on morte of	no dismon	a direction the	o weer in ste	reich of coice

2. No allowance has been made for changes during the year in stocks of coke held by dealers or users.

3. No allowance has been made for interprovincial shipments of coke.