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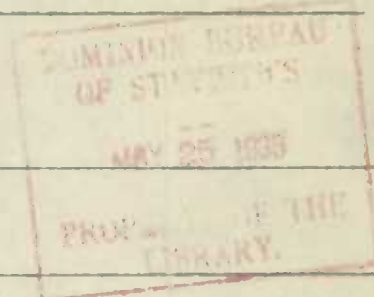
Minister of Trade and Commerce

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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CONSUMPTION OF COKE IN CANADA, 1936.

The apparent consumption of coke in Canada during 1936 amounted to 3,263,938 tons compared with 2,997,991 tons in 1935.

Production of coke (including petroleum coke) during 1936 totalled 2,469,499 tons, imports entered for consumption amounted to 730,801 tons, and producers' stocks declined 96,401 tons, making an available supply of 3,296,701 tons. But exports totalled 32,763 tons, leaving 3,263,938 tons as the quantity available for use in Canada during the year. The distribution of this tonnage by areas was as follows:- Maritimes, 384,848 tons; Quebec, 500,297 tons; Ontario, 2,164,768 tons; and the Western Provinces, 214,025 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 1936, show that 1,049,993 tons of coke were used in blast furnaces and cupolas, 270,947 tons were used as raw materials in manufacturing, and 345,397 tons were used as fuel in manufacturing, mining and smelting industries. Thus a total of 1,666,337 tons can be accounted for and the difference of 1,597,601 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 1,597,601 tons was as follows:- Maritimes, 50,406 tons; Quebec, 331,908 tons; Ontario, 1,123,159 tons, and the Western Provinces, 92,128 tons. Here, again, no allowance has been made for interprovincial shipments.

Coke charged to smelting furnaces and cupolas during 1936 amounted to 1,049,993 tons, of which 672,210 tons were used in iron blast furnaces, 2,412 tons in steel furnaces, 16,964 tons in ferro-alloy furnaces, 279,452 tons in furnaces used for smelting non-ferrous ores, and 78,955 tons in foundry cupolas. The consumption by districts was as follows:- Maritimes, 300,129 tons; Quebec, 20,718 tons; Ontario, 652,353 tons; and the Western Provinces, 76,793 tons.

Coke used as a raw material in manufacturing in 1936 totalled 270,947 tons of which 110,975 tons were used in the manufacture of calcium carbide, 2,992 tons in making carbon dioxide, 97,238 tons in making illuminating and fuel gas, 28,078 tons in making artificial abrasives, 25,384 tons in the manufacture of carbon electrodes, and 6,280 tons in making miscellaneous products. Plants in Ontario used 141,635 tons; in Quebec, 101,343 tons; in the Maritimes, 281 tons; and in the Western Provinces, 27,688 tons.

Coke used for fuel purposes by the manufacturing, mining and smelting industries amounted to 345,597 tons in 1936. Works in the Maritimes used 34,032 tons for this purpose; in Ontario, 247,621 tons; in Quebec, 46,528 tons, and in the West, 17,416 tons.

Table 1 - PRODUCTION OF COKE IN CANADA, 1936.

		P.E.I., N.S. and N.B.	Quebec	Ontario	Manitoba, Sask., Alta., and B.C.	CANADA
Coke and Gas Industry	Tons	379,861	395,409	1,441,833	187,690	2,404,793
	\$	1,894,628	2,760,240	10,807,611	1,246,929	16,710,008
Petroleum Refining Industry	Tons	448	3,168	55,667	5,423	64,706
	\$	1,897	15,523	349,776	25,964	393,160
TOTAL	Tons	380,309	398,577	1,497,500	193,113	2,469,499
	\$	1,896,525	2,776,363	11,157,387	1,272,893	17,103,168

Table 2 - APPARENT CONSUMPTION OF COKE IN CANADA, BY PROVINCES, 1936.

(Short tons)

	P.E.I., N.S. and N.B.	Quebec	Ontario	Manitoba, Sask., Alta., and B.C.	CANADA
Production	380,309	398,577	1,497,500	193,113	2,469,499
Add declines in producers' stocks	56	57,778	19,892	18,675	96,401
	380,365	456,355	1,517,392	211,788	2,565,900
Deduct increases in producers' stocks .....	...	...	...	...	...
	380,365	456,355	1,517,392	211,788	2,565,900
Add imports (entered for consumption)	5,107	48,212	658,210	19,272	730,801
	385,472	504,567	2,175,602	231,060	3,296,701
Deduct exports	624	4,270	10,834	17,035	32,763
APPARENT CONSUMPTION	384,848	500,297	2,164,768	214,025	3,263,938

NOTES - 1. The imports "entered for consumption" represent tonnages cleared from customs' ports. The tonnages under this heading differ slightly from actual imports.

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

Table 3 - CONSUMPTION OF COKE IN CANADA IN SMELTING FURNACES AND CUPOLAS, BY INDUSTRIES, 1936.

Industries		P.E.I. N.S. and N.B.	Quebec	Ontario	Manitoba Sask., Alta., and B.C.	CANADA
Pig iron, ferro-alloys and steel ingots and castings	Tons	297,045	1,314	392,749	478	691,586
	\$	1,520,098	9,297	2,196,443	6,235	3,732,073
Castings and forgings	Tons	1,160	6,882	23,386	2,667	34,095
	\$	15,598	78,634	259,796	38,821	392,849
Heating and cooking apparatus	Tons	1,059	1,289	5,757	216	8,321
	\$	15,150	15,114	65,564	3,565	99,393
Boilers, tanks and engines	Tons	77	2,218	4,678	54	7,027
	\$	1,075	26,097	52,888	762	80,822
Agricultural implements	Tons	...	82	6,157	23	6,262
	\$	...	874	72,068	299	73,241
Machinery	Tons	...	2,808	2,853	176	5,837
	\$	...	30,159	30,440	2,539	63,138
Railway rolling stock	Tons	788	4,766	9,000	2,459	17,013
	\$	11,768	47,826	101,378	36,682	197,654

Table 3 - CONSUMPTION OF COKE IN CANADA IN SMELTING FURNACES AND CUPOLAS, BY INDUSTRIES, 1936 (concluded)

Industries		P.E.I. N.S. and N.B.	Quebec	Ontario	Manitoba, Sask., Alta., and B.C.	CANADA
Automobile parts	Tons	...	3	17	...	20
	\$	...	21	218	...	239
Other iron and steel	Tons	...	...	174	206	380
	\$	...	...	1,766	3,413	5,179
Non-ferrous metallurgical works	Tons	...	1,356	207,582	70,514	279,452
	\$	...	12,871	2,078,299	636,266	2,727,556
TOTAL	Tons	300,129	20,718	652,353	76,793	1,049,993
	\$	1,563,699	220,893	4,958,860	728,682	7,372,124

Table 4 - CONSUMPTION OF COKE IN CANADA AS MANUFACTURING MATERIAL, BY INDUSTRIES, 1936.

Industries		P.E.I. N.S. and N.B.	Quebec	Ontario	Manitoba, Sask., Alta., and B.C.	CANADA
Acids, alkalies and salts	Tons	...	41,201	69,774	...	110,975
	\$	...	305,299	515,049	...	820,348
Compressed gases	Tons	281	1,109	932	670	2,992
	\$	4,400	11,226	9,257	8,873	34,356
Artificial abrasives	Tons	...	9,046	19,032	...	28,078
	\$	...	112,816	236,762	...	349,578
Coke and gas	Tons	...	34,633	35,587	27,018	97,238
	\$	...	259,012	256,843	191,885	707,740
Miscellaneous non-metallic mineral products	Tons	...	15,354	16,310	...	31,664
	\$	...	213,887	99,473	...	313,360
TOTAL	Tons	281	101,343	141,635	27,688	270,947
	\$	4,400	902,240	1,117,384	200,758	2,225,382

Table 5 - CONSUMPTION OF COKE IN CANADA AS INDUSTRIAL FUEL IN THE MANUFACTURING, MINING AND SMELTING INDUSTRIES, 1936.

Industries		P.E.I. N.S. and N.B.	Quebec	Ontario	Manitoba, Sask., Alta., and B.C.	CANADA
MANUFACTURING -						
Chemicals and allied products	Tons	2	3,752	6,111	188	10,053
	\$	30	19,770	28,524	2,146	50,470
Iron and steel, and products	Tons	22,588	6,333	61,378	1,385	91,684
	\$	56,702	53,635	246,724	18,840	375,901
Non-ferrous metal products (ex- cluding smelters)	Tons	...	3,071	5,823	349	9,243
	\$	...	22,677	49,978	4,602	77,257
Non-metallic mineral products (ex- cluding cement, clay and lime) ...	Tons	3,580	24,149	131,020	10,847	169,596
	\$	24,580	89,420	645,078	55,173	814,251
Animal products	Tons	4	256	585	1,167	2,012
	\$	42	2,893	4,835	5,553	13,323
Textile products	Tons	...	717	3,105	6	3,828
	\$	...	6,457	16,636	85	23,178
Vegetable products	Tons	4,337	7,464	27,191	3,089	42,081
	\$	39,860	67,266	265,870	32,139	405,135
Wood and paper products	Tons	12	244	2,468	168	2,892
	\$	132	2,660	17,688	1,732	22,212
Miscellaneous products	Tons	...	136	256	5	397
	\$	...	1,244	2,499	58	3,800
Total Manufacturing Industries ...	Tons	30,523	46,122	257,937	17,204	331,786
	\$	121,346	266,022	1,277,831	120,328	1,785,527
Mining Industries	Tons	3,509	206	9,684	212	13,611
	\$	18,645	2,194	82,105	3,786	106,730
TOTAL	Tons	34,032	46,328	247,621	17,416	345,397
	\$	139,991	268,216	1,359,936	124,114	1,892,257

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1956. (Short tons)

	P.E.I. N.S. and N.B.	Quebec	Ontario	Manitoba, Sask., Alta. and B.C.	CANADA
Furnace charges	300,129	20,713	652,353	76,793	1,049,988
Manufacturing material	281	101,343	141,635	27,638	270,947
Industrial fuel	34,032	46,323	247,621	17,416	345,392
Available for domestic use (by difference) .	50,406	331,908	1,123,159	92,123	1,597,601
APPARENT CONSUMPTION	384,848	500,297	2,164,763	214,025	3,263,933

See explanatory notes which follow Table 7.

Table 7 - ANALYSIS OF COKE CONSUMPTION IN CANADA BY PRINCIPAL USES, 1925 - 1935. (Short tons)

	Maritimes	Quebec	Ontario	West	CANADA
<u>1 9 2 5</u>					
Furnace charges	256,210	26,995	602,265	111,202	996,662
Manufacturing material	202	51,338	132,558	10,249	194,347
Industrial fuel	42,938	76,871	190,993	35,017	345,859
Available for domestic use (by difference).	10,853	90,207	644,113	91,541	836,720
TOTAL	310,259	245,401	1,569,919	248,009	2,373,589
<u>1 9 2 6</u>					
Furnace charges	321,913	32,543	750,057	112,235	1,216,758
Manufacturing material	429	58,053	147,920	11,234	217,686
Industrial fuel	9,568	31,790	160,350	26,752	228,460
Available for domestic use (by difference).	159,491	132,350	944,580	74,088	1,310,489
TOTAL	491,406	254,741	2,002,337	224,359	2,973,393
<u>1 9 2 7</u>					
Furnace charges	315,133	30,237	694,019	98,800	1,138,189
Manufacturing material	236	106,525	153,654	11,891	277,296
Industrial fuel	14,242	25,404	184,097	27,635	251,379
Available for domestic use (by difference).	93,814	79,161	826,172	58,554	1,057,701
TOTAL	423,425	241,327	1,362,942	196,870	2,724,564
<u>1 9 2 8</u>					
Furnace charges	339,758	31,523	919,579	87,751	1,428,611
Manufacturing material	274	83,634	153,511	11,944	249,413
Industrial fuel	25,366	29,536	216,666	38,330	309,898
Available for domestic use (by difference).	61,140	209,626	1,060,373	30,037	1,361,176
TOTAL	476,533	354,369	2,350,129	168,062	3,349,093
<u>1 9 2 9</u>					
Furnace charges	411,537	36,368	1,144,433	84,056	1,676,444
Manufacturing material	326	128,515	222,095	13,315	364,251
Industrial fuel	52,181	51,958	241,992	40,672	386,803
Available for domestic use (by difference).	68,163	190,921	1,169,603	104,630	1,533,322
TOTAL	532,262	407,762	2,778,123	242,673	3,960,820

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1925-1935. (concluded) (Short tons)

	Maritimes	Quebec	Ontario	West	CANADA
<u>1930</u>					
Furnace charges	258,325	30,437	929,835	83,777	1,302,334
Manufacturing material	346	133,358	172,708	8,003	314,415
Industrial fuel	27,906	61,879	217,472	40,848	348,105
Available for domestic use (by difference)	46,430	179,637	1,222,281	71,890	1,520,238
TOTAL	332,917	405,361	2,542,346	204,518	3,495,142
<u>1931</u>					
Furnace charges	120,155	23,779	486,137	80,135	710,306
Manufacturing material	258	116,195	83,564	6,659	206,676
Industrial fuel	21,328	45,645	204,663	34,423	306,059
Available for domestic use (by difference)	71,697	173,494	1,014,389	70,317	1,329,897
TOTAL	213,438	359,113	1,788,803	191,534	2,552,938
<u>1932</u>					
Furnace charges	39,558	14,301	182,255	69,326	306,040
Manufacturing material	252	94,979	102,914	6,760	204,905
Industrial fuel	28,897	37,679	228,717	32,195	327,488
Available for domestic use (by difference)	40,039	213,214	1,159,635	34,276	1,453,164
TOTAL	108,746	366,173	1,673,521	143,157	2,291,597
<u>1933</u>					
Furnace charges	137,435	10,833	261,074	29,704	439,101
Manufacturing material	158	102,656	85,460	6,109	194,383
Industrial fuel	33,538	38,638	180,377	43,294	295,947
Available for domestic use (by difference)	58,326	211,154	1,386,844	112,133	1,668,457
TOTAL	229,557	363,336	1,813,755	191,240	2,597,388
<u>1934</u>					
Furnace charges	157,977	14,761	490,266	87,114	750,118
Manufacturing material	208	87,870	106,697	3,739	193,514
Industrial fuel	47,404	46,632	188,691	42,725	325,502
Available for domestic use (by difference)	47,468	272,336	1,335,577	81,790	1,737,171
TOTAL	253,057	421,649	2,171,231	215,368	3,061,305
<u>1935</u>					
Furnace charges	240,735	16,563	577,290	88,131	922,679
Manufacturing material	229	79,419	132,455	4,435	216,538
Industrial fuel	32,036	53,633	265,333	35,754	386,756
Available for domestic use (by difference)	59,527	274,714	1,065,648	72,129	1,472,018
TOTAL	332,577	424,329	2,040,636	200,449	2,997,991

- NOTES - 1. Figures showing the tonnage of coke available for domestic use are obtained by difference and include the coke used for purposes other than specified in these tables.
2. No allowance has been made for changes in producers' stocks for 1931 and earlier years.
3. No allowance has been made for changes during the year in stocks of coke held by dealers or users.
4. No allowance has been made for interprovincial shipments of coke. A special survey made by the Bureau of Mines, Department of Mines and Resources, Ottawa, shows that in 1932 about 34,790 tons of Quebec coke were used in Ontario for domestic purposes and about 10,585 tons of Ontario coke were used in Manitoba. In addition, about 40,000 tons of the imported coke used in Manitoba were brought in at Ontario ports of entry and, of course, are credited to Ontario in the above calculation.

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