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Published by Authority of Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce.Annual Bulletin
16-29-8-30
900 copies

DOMINION BUREAU OF STATISTICS - CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F. S. S. STATISTICS STATISTIQUES

Mining, Metallurgical and Chemical Branch

Chief: W. H. Losee, B.Sc. CANADA CANADA

THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1929.

Output of petroleum products from Canadian plants in 1929 was valued at \$99,408,314, an increase of \$16.3 millions over 1928. This total included production valued at \$98,384,180 from 15 refineries and an output worth \$1,024,134 from 10 other concerns compounding lubricating oils and greases.

Four refineries were located in Ontario, 4 in Alberta, 2 in British Columbia, 2 in Quebec, and 1 in each of the provinces of Nova Scotia, Manitoba and Saskatchewan. Capital employed in the refining industry, represented by these 15 establishments, was placed at \$69,887,267; the number of employees averaged 4,883 and the cost of materials was reported at \$76,289,182. Gasoline production totalled 436,620,614 imperial gallons including 152,646,696 gallons made by the cracking process. Final sales of fuel and gas oils from the refineries amounted to 387,069,829 gallons; in addition to this the refiners used 61,629,931 gallons for fuel purposes. The quantity of fuel and gas oils made and used in the pressure cracking process was reported at 351,436,512 gallons.

The 10 firms compounding lubricating oils and greases were located as follows: 4 in Quebec, 5 in Ontario, and 1 in British Columbia. Capital invested in these plants was reported at \$1,373,192; the average number of employees was 95; cost of materials was reported at \$572,757; and the value added by manufacturing was \$451,377 to give the total sales value of \$1,024,134.

Considerable quantities of casinghead gasoline were imported into Canada during the year for use in blending with refinery gasoline; the amounts are shown in the import figures but are NOT included with the figures of refinery output.

Table 1.- PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1925-1929.

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works	Selling value of products at works
		\$		\$	\$	\$
<u>Petroleum refining:</u>						
1925 ...	13	49,461,900	3,655	5,621,898	37,814,303	49,802,615
1926 ...	17	56,476,449	3,698	5,782,589	50,783,871	70,570,240
1927 ...	16	55,442,193	3,802	6,078,226	52,743,530	63,979,849
1928 ...	16	55,811,418	4,252	6,803,234	57,033,185	82,448,392
1929 ...	15	69,887,267	4,883	7,984,786	76,289,182	98,384,180
<u>Lubricating oils and greases:</u>						
1925 ...	8	1,118,649	83	153,148	446,721	959,812
1926 ...	6	701,676	55	109,810	388,288	626,071
1927 ...	7	693,371	54	110,000	316,391	548,971
1928 ...	9	720,196	67	119,346	350,656	673,780
1929 ...	10	1,373,192	95	168,839	572,757	1,024,134
<u>TOTAL:</u>						
1925 ...	21	50,580,549	3,738	5,775,046	38,261,024	50,762,427
1926 ...	23	57,178,125	3,753	5,892,399	51,172,159	71,196,311
1927 ...	23	56,135,564	3,856	6,188,226	53,059,921	64,528,820
1928 ...	25	56,531,614	4,319	6,922,580	57,383,841	83,122,172
1929 ...	25	71,260,459	4,978	8,153,625	76,861,939	99,408,314

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UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

MEMORANDUM FOR THE DIRECTOR

DATE: [unclear]

TO: [unclear]

FROM: [unclear]

SUBJECT: [unclear]

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Table 2.- MATERIALS USED IN THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1928 and 1929.

Materials	Unit of measure	1 9 2 8		1 9 2 9	
		Quantity	Cost at works	Quantity	Cost at works
Petroleum refining:					
Crude oil from Canadian wells (x).....	Imp.gal.	20,324,814	2,112,314	37,338,402	4,026,272
Crude oil, imported.....	Imp.gal.	829,608,956	50,952,144	1,035,490,094	68,082,715
Imported fuel and gas oils for use in cracking process.....	Imp.gal.	...	...	440,475	18,270
Sulphuric acid (68°Be).....	lb.	51,828,643	408,905	49,610,612	425,853
Sulphur.....	lb.	161,044	5,105	201,032	6,770
Caustic soda.....	lb.	4,345,466	159,803	6,699,874	243,319
Soda ash.....	lb.	381,196	8,023	404,185	9,315
Litharge.....	lb.	659,882	57,527	799,464	69,698
Fullers' earth.....	lb.	11,707,839	109,221	18,513,820	207,931
Compounding materials.....	-	...	723,956	...	676,102
Other materials.....	-	...	127,099	...	82,144
Shipping containers.....	-	...	2,360,088	...	2,440,793
Total.....	-	...	57,033,185	...	76,289,182
Fuel and gas oils made and used in pressure cracking process.....	Imp.gal.	284,510,884	...	351,436,512	...
Lubricating oils and greases:-					
Total.....	-	...	350,656	...	572,757
GRAND TOTAL.....	-	...	57,383,841	...	76,861,939

(X) Includes Royalite naphtha

Table 3.- OUTPUT OF THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1928 and 1929.

Products	Unit of measure	1 9 2 8		1 9 2 9	
		Quantity	Selling value at works	Quantity	Selling value at works
Petroleum refining:-					
Made for sale:-					
Gasoline (a) straight run.....	Imp.gal.	226,904,777	33,574,295	303,911,713	43,250,498
(b) by cracking process.....	Imp.gal.	117,175,542	18,647,134	132,646,696	20,242,805
Fuel and gas oils.....	Imp.gal.	309,185,187	12,543,505	387,069,829	15,586,290
V.M.&P. or solvent naphtha.....	Imp.gal.	4,949,745	645,350	7,257,910	974,348
Kerosene.....	Imp.gal.	55,939,530	7,335,353	49,297,417	6,870,711
Lubricating oils.....	Imp.gal.	19,022,749	3,340,097	22,900,238	3,943,418
Grease.....	lb.	14,439,030	266,590	17,042,195	316,848
Tar.....	lb.	...	...	1,032,500	8,260
Asphalt.....	Imp.gal.	22,326,606	2,016,630	35,233,347	2,688,579
Petroleum coke.....	ton	30,361	467,548	84,108	465,753
Wax and candles.....	lb.	15,872,946	599,335	10,776,352	581,886
Other products.....	-	...	363,915	...	258,113
Total for sale.....	-	...	79,802,752	...	95,143,509
Made for own use:-					
Gasoline, straight run.....	Imp.gal.	49,542	7,413	62,205	8,813
Fuel and gas oils (except for cracking).....	Imp.gal.	52,206,663	1,907,829	61,629,931	2,308,963
V.M.&P. or solvent naphtha.....	Imp.gal.	9,728	1,376	11,371	1,490
Kerosene.....	Imp.gal.	42,589	5,191	64,964	8,763
Lubricating oils.....	Imp.gal.	26,297	3,884	24,960	4,191
Petroleum coke.....	ton	15,547	93,882	25,408	140,230
Still gas.....	M cu.ft.	2,489,346	572,347	3,140,187	708,781
Acid sludge.....	)	...	53,218	...	53,909
Other products.....	)	...	...	...	5,184
Total for own use.....	-	...	2,645,640	...	3,240,671
Total Petroleum Refining.....	-	...	82,448,392	...	98,384,180
Fuel and gas oils made and used in pressure cracking process.....	Imp.gal.	284,510,884	...	351,436,512	...
Lubricating oils and greases:-					
Lubricating oils.....	Imp.gal.	1,244,350	464,613	1,522,045	745,876
Lubricating greases.....	lb.	657,708	82,269	683,384	92,004
Soaps.....	lb.	...	70,359	465,064	66,395
Other products.....	-	...	56,039	...	119,859
Total Lubricating Oils and Greases.....	-	...	673,780	...	1,024,134
GRAND TOTAL.....	-	...	83,132,172	...	99,408,314

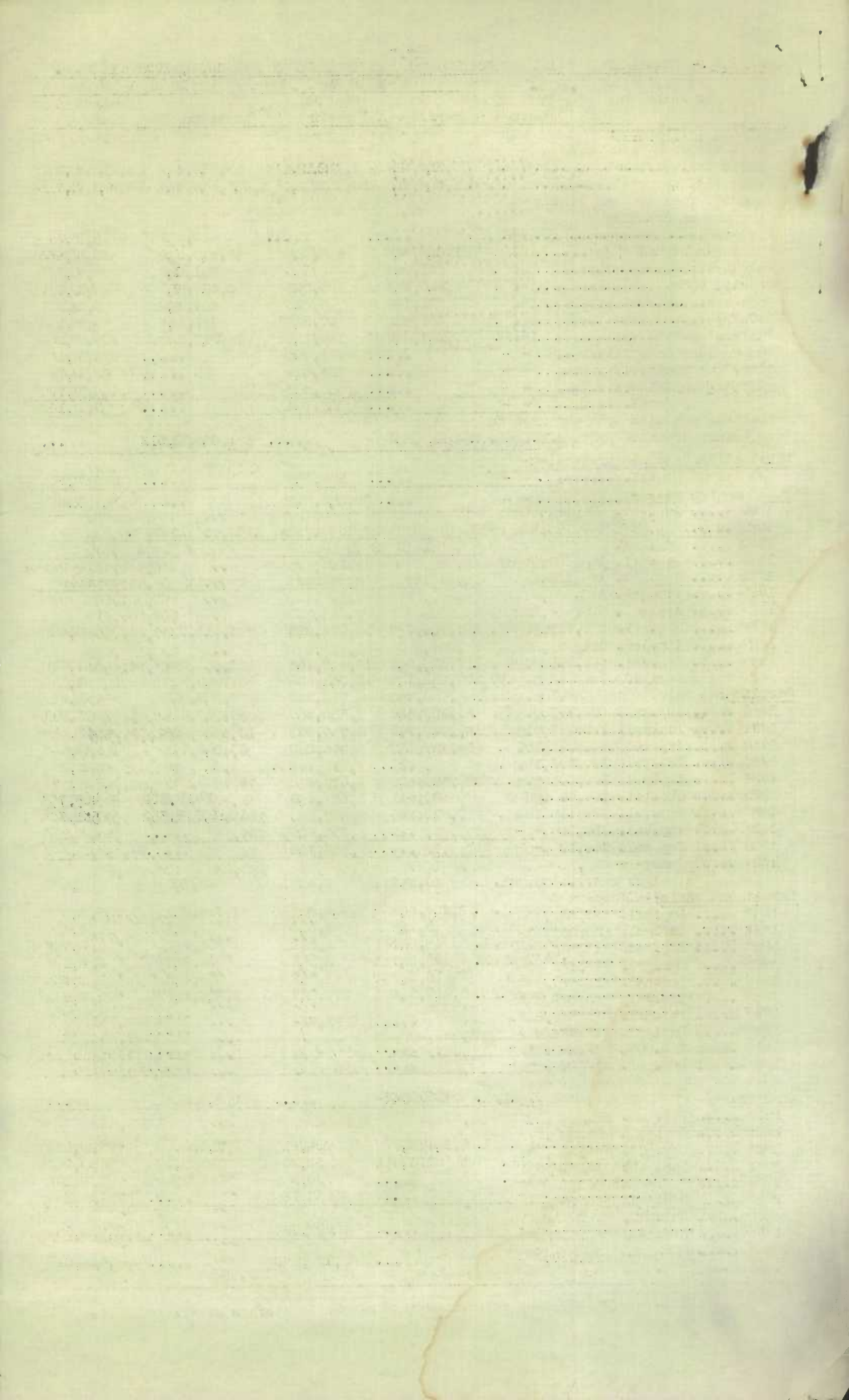


Table 4.- CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES IN CANADA, 1918 - 1929.

Year	Imperial gallons
1918	260,209,399
1919	301,006,553
1920	295,576,527
1921	373,469,418
1922	394,139,055
1923	408,810,739
1924	467,144,634
1925	445,115,694
1926	585,466,329
1927	716,369,890
1928	849,933,770
1929	1,072,828,496

(x)

Table 5. - PRODUCTION, IMPORTS, EXPORTS AND APPARENT CONSUMPTION OF CERTAIN PETROLEUM PRODUCTS IN CANADA, 1920-1929.

Year	Production	Imports	Exports	Re-exports	Apparent consumption
Fuel and Gas Oils -					
1920	96,462,792	122,929,591	2,684,427	...	216,707,656
1921	129,716,045	61,393,671	5,384,751	...	185,729,965
1922	106,975,976	72,805,012	7,036,627	...	172,744,361
1923	159,632,570	108,982,780	2,384,899	...	246,280,451
1924	177,123,232	94,244,271	18,263,236	...	253,104,267
1925	172,387,242	107,849,209	7,375,163	...	272,361,288
1926	228,474,212	91,638,340	21,043,135	...	299,069,417
1927	286,525,733	119,612,088	18,793,254	...	387,344,567
1928	361,391,850	95,467,100	21,531,929	...	455,327,021
1929	443,699,760	95,749,518	28,177,495	...	516,271,783
Gasoline:-					
1920	86,193,664	8,515,545	160,433	214,634	94,534,135
1921	119,887,613	40,264,707	762,080	10,492	159,379,746
1922	143,959,893	42,112,248	1,976,244	27,620	184,068,277
1923	124,156,580	49,050,060	1,217,298	...	172,889,742
1924	160,045,739	73,757,441	1,405,716	75,223	232,324,241
1925	164,670,072	83,927,751	1,568,855	42,594	246,986,374
1926	222,146,704	82,839,688	3,867,536	169,476	300,949,580
1927	253,549,724	108,168,528	2,463,379	327,293	363,927,380
1928	344,129,861	143,653,116	3,957,557	26,587	483,798,853
1929	436,620,614	175,151,570	4,669,078	168,438	606,934,668
Lubricating Oils:-					
1920	25,099,798	4,464,294	...	...	29,564,092
1921	24,246,320	5,040,456	...	...	29,286,776
1922	18,051,600	7,110,054	...	...	25,161,654
1923	17,121,896	8,196,682	...	...	25,318,579
1924	15,479,465	8,494,423	...	...	23,975,888
1925	15,789,852	8,445,738	...	...	24,235,590
1926	17,922,853	10,259,878	...	...	28,182,731
1927	19,591,297	12,537,957	...	...	32,129,254
1928	20,293,396	15,487,945	...	...	35,781,341
1929	24,427,243	17,404,194	...	...	41,831,437
Kerosene:-					
1920	54,155,655	12,971,509	1,243,335	...	67,883,829
1921	59,082,790	10,544,281	1,466,422	...	68,160,649
1922	76,521,560	3,673,234	1,471,947	...	78,722,847
1923	67,396,674	4,127,146	1,450,051	...	70,073,769
1924	61,308,467	5,431,393	1,525,427	...	65,214,433
1925	45,026,459	5,256,661	1,508,686	...	48,774,434
1926	53,502,190	4,842,452	1,584,645	...	61,759,997
1927	54,316,079	4,023,966	1,759,838	...	57,585,207
1928	55,981,919	3,964,692	1,297,081	...	58,649,530
1929	49,362,381	4,523,347	1,367,241	1,578	52,516,909

(x) No allowance made for increases or decreases of stocks in storage at the refineries.

Table 6.- CONSUMPTION OF GASOLINE IN CANADA, 1929. (x).

Province	Gallons
Prince Edward Island.....	2,478,131
Nova Scotia.....	17,234,990
New Brunswick.....	10,469,682
Quebec.....	77,054,230
Ontario.....	292,191,525
Manitoba.....	34,765,203
Saskatchewan.....	78,456,744
Alberta.....	50,203,495
British Columbia.....	32,313,179
CANADA.....	601,225,227

(x) The above figures have been computed from data given in the reports of the provincial governments which show the total and net revenue received from gasoline taxes. The tax is collected on all gasoline sold and a rebate is given on purchases of gasoline for use in farm tractors, etc.

DIRECTORY

(a) Petroleum Refineries, 1929.

<u>Name</u>	<u>Location of plant</u>
Imperial Oil Refineries Ltd.	Imperial, N.S.
Imperial Oil Refineries Ltd.	Montreal, P.Q.
McCull-Fontenac Oil Company, Ltd.	Montreal, P.Q.
The British American Oil Refineries Ltd.	Toronto, Ont.
Canadian Oil Refineries Ltd.	Petrolia, Ont.
Imperial Oil Refineries Ltd.	Sarnia, Ont.
McCull Bros. Ltd.	Toronto, Ont.
North Star Oil Ltd.	St. Boniface, Man.
Imperial Oil Refineries Ltd.	Regina, Sask.
Associated Refineries Ltd.	Wainwright, Alberta
Imperial Oil Refineries Ltd.	Calgary, Alberta
The Maple Leaf Oil and Refining Co. Ltd.	Coutts, Alberta
Regal Oil and Refining Co. Ltd.	Calgary, Alberta
Imperial Oil Refineries Ltd.	Ioco, B.C.
Vancouver Oil Co. Ltd.	Vancouver, B.C.

(a) Lubricating Oils and Greases, 1929.

Jaffe Company, Ltd.	Montreal, P.Q.
Three in One Oil Company	Montreal, P.Q.
Economic Products Ltd.	Outremont, P.Q.
Union Products	Montreal, P.Q.
The Ontario Lubricating Co. Ltd.	Hamilton, Ont.
Galena Signal Oil Company of Canada, Ltd.	Toronto, Ont.
Peterson Core Oil & Mfg. Co. of Canada	Hamilton, Ont.
Campbell Grease & Oil Co.	Toronto, Ont.
Warren Lubricating Co. Ltd.	Toronto, Ont.
Union Oil Company of Canada, Ltd.	Port Moody, B.C.

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