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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

THE PETROLEUM PRODUCTS INDUSTRY

IN

CANADA

1931

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PETROLEUM REFINING.

In 1931 there were 19 petroleum refineries operating in Canada located as follows: 1 at Imperoyal, N.S., 1 at Weldon, N.B., 3 at Montreal, P.Q., 2 at Toronto, Ont., 1 at Petrolia, Ont., 1 at Sarnia, Ont., 1 at St. Boniface, Man., 1 at Regina, Sask., 3 at Calgary, Alberta, 2 at Coutts, Alberta, 1 at Wainwright, Alberta, 1 at Ioco, B.C., and 1 at North Vancouver, B.C.

These plants used 1,072,534,389 gallons of crude oil in 1931 including 694,519,262 gallons from the United States, 328,346,598 gallons from South America and 49,668,529 gallons from Canadian wells. Only 3 refineries in Canada operated entirely on Canadian crude, one of these being located in New Brunswick and 2 in Alberta. Four other plants, 2 in Ontario and 2 in Alberta, used some Canadian crude but obtained the bulk of their supply from the United States. The remaining 12 plants operated entirely on imported oil, 9 on crude oil from United States only, 2 on South American crude only, and 1 on crude both from United States and South America.

Capital employed in the refining industry as represented by these 19 concerns was reported at \$67,030,688, the number of employees averaged 4,035 monthly, and the cost of materials amounted to \$50,196,222. Gasoline production totalled 469,136,132 imperial gallons including 191,632,502 gallons made by the cracking process. Fuel and gas oils made for sale amounted to 373,846,656 gallons and in addition to this the operating companies produced and used 54,399,901 gallons for fuel purposes. Other products made for sale included 39,421,314 gallons of kerosene, 37,937,082 gallons of asphalt, 15,157,068 gallons of lubricating oil, 10,097,369 pounds of wax and candles, 9,390,866 pounds of grease, and 8,468,995 gallons of solvent naphtha.

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

The total capacity of the refineries which operated in 1931 was reported at 132,350 barrels of crude oil per day.

Table 2 -- CAPITAL EMPLOYED IN THE PETROLEUM REFINING INDUSTRY IN CANADA, BY PROVINCES, 1930 and 1931.

Provinces	Capital employed as represented by:			T O T A L
	Lands, build- ings, machinery and tools	Materials on hand and stocks in process	Cash, trading and opera- ting accounts and bills receivable	
	\$	\$	\$	\$
<u>1930</u>				
Nova Scotia and Quebec	15,332,831	6,792,535	60,086	22,185,452
Ontario	17,713,636	8,458,593	589,044	26,761,273
Alberta	4,021,444	4,511,928	387,904	8,921,276
Manitoba, Saskatchewan and British Columbia	7,105,709	3,933,534	170,738	11,209,981
CANADA	44,173,620	23,696,500	1,207,772	69,077,982
<u>1931</u>				
Quebec	12,330,745	5,251,470	15,300	17,597,515
Ontario	17,472,937	7,503,033	306,489	25,282,459
Alberta	3,754,495	3,334,676	408,930	7,498,101
CANADA(x)	44,665,651	21,502,416	862,641	67,030,688

(x) Includes data for 2 plants in British Columbia and one in each of Nova Scotia, New Brunswick, Manitoba and Saskatchewan.

Table 3 - EMPLOYEES, SALARIES AND WAGES IN THE PETROLEUM REFINING INDUSTRY IN CANADA, BY PROVINCES, 1930 and 1931.

Provinces	Average number of employees				TOTAL	Salaries and Wages		
	Salaried employees		Wage-earners			Salaries	Wages	TOTAL
	Male	Female	Male	Female				
<u>1930</u>								
Nova Scotia and Quebec	105	12	1,377	2	1,496	288,521	2,154,746	2,443,267
Ontario	194	31	2,213	11	2,449	572,705	3,188,165	3,760,870
Alberta	49	7	384	3	443	141,823	566,299	708,122
Manitoba, Saskatchewan and British Columbia	74	8	560	..	642	213,790	877,308	1,091,098
CANADA	422	58	4,534	16	5,030	1,216,839	6,786,518	8,003,357
<u>1931</u>								
Quebec	76	8	766	2	852	170,985	1,176,266	1,347,251
Ontario	202	29	1,745	8	1,984	559,472	2,281,322	2,840,794
Alberta	52	6	256	2	316	129,939	354,179	484,118
CANADA(x) ...	451	58	3,514	12	4,035	1,182,980	4,894,717	6,077,697

(x) See footnote to Table 2.

Table 4 - FUEL AND ELECTRICITY USED IN THE PETROLEUM REFINING INDUSTRY IN CANADA, 1930 and 1931.

Kinds	Unit of measure	1 9 3 0		1 9 3 1	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Bituminous coal - Canadian	short ton	1,277	7,627	850	4,985
Imported	short ton	57,758	251,983	34,089	147,416
Coke	short ton	23,538	124,363	19,645	96,095
Fuel oil	Imp.gal.	59,264,503	2,085,205	54,620,375	1,635,323
Gas - Manufactured, including still gas	M cu.ft.	3,531,997	875,168	4,619,209	980,631
Natural	M cu.ft.	1,285,750	123,330	1,063,689	102,500
Other fuel	-	...	97,218	...	56,220
Electricity purchased	K.W.H.	33,491,081	294,789	37,494,578	335,858
TOTAL	-	...	3,859,683	...	3,359,028
Electricity generated for own use.	K.W.H.	...	...	3,057,692	...

Table 5 - POWER EMPLOYED IN THE PETROLEUM REFINING INDUSTRY IN CANADA, 1930 and 1931.

Kinds	1 9 3 0		1 9 3 1	
	Number of units	Total horse power	Number of units	Total horse power
Steam engines and turbines	366	13,841	393	13,621
Gasoline, gas and oil engines	9	1,590	9	1,590
Total Primary Power	375	15,431	402	15,211
Electric motors run by purchased power.	595	14,506	688	15,628
Total Power Employed	970	29,937	1,090	30,839
Electric motors run by primary power in same plant	60	1,740	60	1,740
Total Electric Motors	655	16,246	748	17,368
Boilers	105	25,080	112	27,091

Table 6 - MATERIALS USED IN THE PETROLEUM REFINING INDUSTRY IN CANADA, 1930 and 1931.

Materials	Unit of measure	1 9 3 0		1 9 3 1	
		Quantity	Cost at works \$	Quantity	Cost at works \$
<u>Petroleum refining:-</u>					
Crude oil from Canadian wells (x)	Imp. gal.	51,522,864	5,410,237	49,668,529	4,234,481
Crude oil, imported	Imp. gal.	1,012,912,110	62,230,738	1,022,865,860	42,951,043
Sulphuric acid, (66°Bé) ..	lb.	49,250,621	447,382	31,159,839	315,474
Sulphur	lb.	901,759	37,959	120,551	4,070
Caustic soda	lb.	5,801,722	201,420	4,337,310	143,236
Soda ash	lb.	352,841	8,285	331,113	7,582
Litharge	lb.	498,055	41,696	247,089	19,283
Fullers' earth	lb.	20,102,387	241,793	16,157,582	201,361
Compounding materials ..	..	..	521,980	..	386,342
Other materials	-	..	154,462	..	123,564
Shipping containers .....	..	..	2,011,927	..	1,809,786
TOTAL	-	..	71,307,879	..	50,196,222

Fuel and gas oils made and used in pressure cracking process

Imp. gal. 389,719,223

441,966,680

(x) Includes naphtha from the Turner Valley field

Table 7 - PRODUCTS OF THE PETROLEUM REFINING INDUSTRY IN CANADA, 1930 and 1931.

Products	Unit of measure	1 9 3 0		1 9 3 1	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
<u>Petroleum refining:-</u>					
<u>Made for sale:-</u>					
Gasoline (a) straight run	Imp. gal.	276,238,369	37,337,958	277,426,589	29,750,234
(b) by cracking process	Imp. gal.	169,314,761	23,445,341	191,632,502	20,224,691
Fuel and gas oils	Imp. gal.	375,255,886	14,231,129	373,846,656	12,364,540
V.M. & P. or solvent naphtha	Imp. gal.	7,150,672	870,037	8,468,995	769,201
Kerosene	Imp. gal.	43,509,487	5,378,830	39,421,314	4,125,272
Lubricating oils	Imp. gal.	18,042,269	2,909,506	15,157,068	2,548,923
Grease	lb.	13,465,366	268,453	9,390,866	187,216
Tar	lb.	1,017,500	8,140	902,000	9,020
Asphalt	Imp. gal.	37,470,666	1,991,629	37,937,082	1,836,403
Petroleum coke	ton	68,549	392,945	52,310	280,660
Wax and candles	lb.	10,153,924	453,591	10,097,369	368,677
Other products .....	..	..	241,053	..	186,963
Total for Sale .....	..	..	87,528,612	..	72,651,800
<u>Made for own use:-</u>					
Gasoline, straight run	Imp. gal.	46,287	6,273	77,041	8,039
Fuel and gas oils (except for cracking)	Imp. gal.	59,308,393	2,197,389	54,399,301	1,629,000
V.M. & P. or solvent naphtha	Imp. gal.	14,288	1,690	22,462	2,252
Kerosene	Imp. gal.	97,394	13,022	44,245	4,810
Lubricating oils	Imp. gal.	42,621	6,384	54,823	8,852
Petroleum coke	ton	23,538	124,363	20,029	96,676
Still gas	M cu.ft.	3,529,319	874,151	5,161,905	980,628
Other products .....	..	..	57,827	..	33,202
Total for Own Use .....	..	..	5,881,099	..	2,763,459
TOTAL PETROLEUM REFINING .....	..	..	90,809,711	..	75,415,259
Fuel and gas oils made and used in pressure cracking process	Imp. gal.	389,719,223	..	441,297,294	..

Table 8 - PRODUCTION OF GASOLINE IN CANADA, BY PROCESSES, 1926 - 1931.

Years	Straight run Gallons	By cracking Gallons	TOTAL Gallons	% of total made by cracking
1926	152,307,473	69,839,231	222,146,704	31
1927	184,818,378	73,731,346	258,549,724	29
1928	226,954,319	117,175,542	344,129,861	34
1929	303,973,918	132,646,696	436,620,614	30
1930	276,284,656	169,314,761	445,599,417	38
1931	277,503,630	191,632,502	469,136,132	41

Table 9 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES IN CANADA, 1918 - 1931.

Years	Imperial gallons	Years	Imperial gallons
1918	260,209,899	1925	445,115,694
1919	301,006,553	1926	585,466,329
1920	295,576,527	1927	716,369,890
1921	378,469,418	1928	849,933,770
1922	394,139,055	1929	1,072,828,496
1923	408,810,739	1930	1,064,434,974
1924	467,144,634	1931	1,072,534,389

(b) Lubricating Oils and Greases

The 12 firms compounding lubricating oils and greases in Canada were located as follows: 4 in Quebec, 2 in Ontario, 2 in Manitoba, 2 in British Columbia, and 1 in each of Saskatchewan and Alberta. Capital invested in these plants totalled \$847,725, the average number of employees was 64, the cost of materials amounted to \$264,319 and the sale of goods made from these materials was reported at \$570,219, including \$477,131 of lubricating oils.

Table 10 - CAPITAL EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY IN CANADA, 1930 and 1931.

Provinces	Capital employed as represented by:			T O T A L
	Lands, build- ings, fixtures, machinery and tools	Materials on hand and stocks in process	Cash, trading and operating accounts and bills receivable	
	\$	\$	\$	\$
<u>1 9 3 0</u>				
Quebec	123,202	59,079	55,131	237,412
Ontario	235,754	68,340	101,068	405,162
Western provinces	365,445	174,479	73,901	613,825
CANADA	724,401	301,898	230,100	1,256,399
<u>1 9 3 1</u>				
Quebec	130,921	30,481	70,392	231,794
Other provinces	381,492	152,326	82,113	615,931
CANADA	512,413	182,807	152,505	847,725

Table 11 - EMPLOYEES, SALARIES AND WAGES IN THE LUBRICATING OILS AND GREASES INDUSTRY IN CANADA, BY PROVINCES, 1930 and 1931.

Provinces	Average number of employees				TOTAL	Salaries and Wages		
	Salaried employees		Wage-earners			Salaries	Wages	TOTAL
	Male	Female	Male	Female				
<u>1930</u>								
Quebec	14	4	15	1	34	27,715	22,724	50,439
Ontario	10	1	20	2	33	36,960	30,979	67,939
Western provinces	14	..	23	...	37	35,645	32,750	68,395
CANADA	38	5	58	3	104	100,320	86,453	186,773
<u>1931</u>								
Quebec	9	2	14	...	25	19,825	18,304	38,129
Other provinces .	11	3	24	1	39	29,180	37,368	66,548
CANADA	20	5	38	1	64	49,005	55,672	104,677

Table 12 - FUEL AND ELECTRICITY USED IN THE LUBRICATING OILS AND GREASES INDUSTRY IN CANADA, 1930 and 1931.

Kinds	Unit of measure	1930		1931	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Coal, anthracite	short ton	56	827	79	1,039
Coal, bituminous - Canadian	short ton	10	138	26	315
Coal, bituminous - foreign	short ton	429	2,585	127	785
Coal, lignite - Canadian	short ton	33	205	...	...
Fuel oil	Imp. gal.	108,570	3,482	91,175	2,509
Wood	cord	10	91	22	168
Gas, manufactured	M cu ft.	200	126	160	98
Electric power purchased	K.W.H.	53,853	1,407	95,586	2,567
TOTAL .....		...	8,861	...	7,481

Table 13 - POWER EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY IN CANADA, 1930 and 1931.

	1930		1931	
	Number of units	Total horse power	Number of units	Total horse power
Steam engines and turbines	3	58	3	56
Gasoline, gas and oil engines ..	2	20	...	...
Total primary power	5	78	3	58
Electric motors run by purchased power	7	24	7	68
Total power employed	12	102	10	126
Boilers	8	510	7	322

Table 14 -- MATERIALS USED IN THE LUBRICATING OILS AND GREASES INDUSTRY IN CANADA, 1930 and 1931.

Materials	Unit of measure	1 9 3 0		1 9 3 1	
		Quantity	Cost at works	Quantity	Cost at works
Oils - Animal	gal.	13,503	13,590	2,638	2,885
Linseed, raw	gal.	11,997	8,491	9,500	6,375
Mineral	gal.	2,106,765	368,465	1,086,138	168,741
Tallow and grease	lb.	376,030	27,713	273,191	19,505
All other materials	-	...	38,708	...	45,237
Shipping containers	-	...	35,583	...	21,576
TOTAL	-	...	492,550	...	264,319

Table 15 -- PRODUCTS MADE IN THE LUBRICATING OILS AND GREASES INDUSTRY IN CANADA, 1930 and 1931.

Products	Unit of measure	1 9 3 0		1 9 3 1	
		Quantity	Selling value at plant	Quantity	Selling value at plant
Greases, lubricating	lb.	719,505	71,288	537,655	56,547
Oils, lubricating	gal.	1,682,234	753,386	749,333	477,131
Soaps and soap powders	lb.	374,854	34,841	308,690	27,283
All other products	-	...	117,979	...	9,258
TOTAL	-	...	977,494	...	570,219

Table 16 -- IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1931.

	Quantity	Value
		\$
IMPORTS		
<u>Asphalt and Its Products</u>		
Asphaltum or asphalt, solid	cwt.	738,018
Asphalt, not solid	-	...
Asphaltum oil for paving purposes	-	...
<u>Crude Petroleum, Fuel and Gas Oils</u>		
Crude petroleum in the natural state, 0.7900 specific gravity or heavier at 60 degrees temperature, when imported by oil refiners to be refined in their own factories	gal.	1,017,388,091
Crude petroleum, gas oils other than naphtha, benzine and gasoline lighter than 0.8235 but not less than 0.775 specific gravity at 60 degrees	gal.	77,280
Petroleum (not including crude petroleum imported to be refined or illuminating or lubricating oils) 0.8235 specific gravity or heavier at 60 degrees temperature (fuel oil)	gal.	53,550,063
Petroleum, and other oils imported by miners or mining companies or concerns, for use in the concentration of ores of metals in their own concentrating establishments	gal.	127,830
Petroleum, crude, not in its natural state, 0.725 specific gravity or heavier, but not heavier than 0.770 specific gravity, at 60 degrees temperature when imported by oil refiners to be refined in their own factories	gal.	3,296,711
Fuel oil, ex-warehoused for ships' stores	gal.	55,900,828

Table 16 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1931.
continued.

	Quantity	Value
		\$
<u>IMPORTS -continued</u>		
<u>Kerosene and Illuminating Oils</u>		
Coal oil and kerosene, lighter than .8235 specific gravity at 60 degrees temperature, n.o.p. ....gal.	3,493,849	212,420
Illuminating oils, composed wholly or in part of the products of petroleum, coal, shale or lignite, costing more than 30 cents per gallon ....gal.	33,322	15,033
Engine distillate lighter than .8325 specific gravity at 60 degrees temperature ....gal.	172,588	15,246
<u>Lubricating Oils</u>		
Lubricating oils, composed wholly or in part of petroleum, and costing less than 25 cents per gallon ....gal.	9,319,547	1,591,795
Lubricating oils, n.o.p. ....gal.	4,459,269	1,975,349
<u>Gasoline and Other Oils</u>		
Gasoline, lighter than .8325 specific gravity at 60 degrees temperature ....gal.	73,243,020	6,372,346
Gasoline, natural casinghead, compression or absorption, lighter than .6690 specific gravity at 60 degrees temperature, when imported by distillers of petroleum for blending with other gasolines distilled in Canada ....gal.	32,140,805	2,152,102
Gasoline, n.o.p. ....gal.	11,328,880	1,148,718
All other oils, n.o.p. ....gal.	578,535	127,343
<u>Other Products of Petroleum</u>		
Grease, axle ....lb.	4,148,459	206,770
Paraffine wax ....lb.	2,473,199	74,561
Paraffine wax candles ....lb.	429,976	79,437
Vaseline, and all similar preparations of petroleum for toilet, medicinal and other purposes .....	...	186,290
Petroleum, products of, n.o.p. ....gal.	3,443,531	329,867
TOTAL .....	...	40,632,795
<u>EXPORTS -</u>		
Oil, petroleum (fuel oil) ....gal.	16,277,182	677,378
Oil, coal and kerosene, refined ....gal.	504,364	52,328
Oil, gasoline and naphtha ....gal.	5,500,606	889,827
Oil, mineral, n.o.p. ....gal.	855,122	185,177
Wax, mineral ....cwt.	9,469	31,092
TOTAL .....	...	1,835,802

Table 17 - PRODUCTION, IMPORTS, EXPORTS, STOCKS ON HAND, AND APPARENT CONSUMPTION OF CERTAIN PETROLEUM PRODUCTS IN CANADA, 1931.

	Fuel and gas oils	Gasoline	Lubricating oils	Kerosene
	Imp. gal.	Imp. gal.	Imp. gal.	Imp. gal.
Production of refineries	428,246,557	469,136,132	15,961,224	39,465,559
Plus imports	89,528,171	116,712,705	13,778,816	3,666,437
	517,774,728	585,848,837	29,740,040	43,131,996
Less exports and re-exports	16,277,182	5,519,225	...	505,606
	501,497,546	580,329,612	29,740,040	42,626,390
Plus decline in refinery stocks ..	...	...	...	4,089,825
	501,497,546	580,329,612	29,740,040	46,716,215
Less increase in refinery stocks ..	13,633,340	15,852,709	491,882	...
Apparent consumption	487,864,206	564,476,903	29,248,158	46,716,215
Stocks on hand, December 31, 1931.	61,941,557	71,486,846	3,818,813	6,867,025

Table 18 - GROSS SALES OF GASOLINE IN CANADA, BY PROVINCES, 1931. (In 1000's of Imperial gallons).

Months	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Mani- toba	Saskat- chewan	Al- berta	British Columbia	CANADA
Jan.	27	666	329	3,829	13,794	1,333	2,535	2,329	2,869	27,711
Feb.	25	636	222	3,267	12,567	1,266	2,390	2,798	2,663	25,834
Mar.	24	612	292	4,121	11,083	1,529	2,629	2,545	3,215	26,050
April	196	1,272	830	7,401	14,641	2,303	5,123	3,755	3,694	39,215
May	339	2,205	1,568	9,608	24,853	3,137	5,761	4,601	4,254	56,326
June	372	2,423	1,770	10,343	23,990	3,185	4,942	4,299	4,220	55,544
July	454	2,683	2,112	12,149	31,536	3,392	4,801	4,717	4,951	66,795
Aug.	487	2,875	2,237	12,494	27,165	3,538	5,308	4,508	4,763	63,435
Sept.	407	2,405	1,879	10,920	29,366	3,467	5,279	3,383	4,276	61,382
Oct.	284	2,229	1,716	9,766	22,934	3,057	5,632	5,114	4,096	54,828
Nov.	236	1,847	1,337	8,103	20,964	2,356	3,131	3,126	3,314	44,414
Dec.	171	1,337	728	5,607	16,651	1,685	1,919	2,303	3,054	33,455
TOTAL	3,022	21,190	15,020	97,608	249,544	30,308	49,450	43,478	45,369	554,989

Note: The figures in the above table have been compiled from data supplied by the provincial departments which administer the gasoline tax acts.

Table 19 - MOTOR VEHICLE REGISTRATIONS, GASOLINE CONSUMPTION AND REVENUE FROM GASOLINE TAXES, 1931.

Provinces	Total			Revenue from gasoline tax \$
	Registrations of motor vehicles(x)	Gasoline consumption		
		By motor vehicles	For all uses	
	No.	Imp. gal.	Imp. gal.	
Prince Edward Island	7,744	2,614,970	3,021,691	112,867
Nova Scotia	43,735	18,176,943	21,189,337	878,082
New Brunswick	33,730	13,816,672	15,019,994	696,481
Quebec	179,572	91,816,749	97,608,511	4,405,160
Ontario	563,824	225,320,078	249,543,831	10,810,914
Manitoba	75,564	22,320,078	30,307,724	1,094,700
Saskatchewan	108,563	26,479,689	49,449,699	1,310,147
Alberta	95,686	24,746,025	43,478,465	1,472,068
British Columbia	98,220	36,052,087	45,369,473	1,765,700
Yukon	198
CANADA	1,206,836	461,165,941	554,989,325	22,546,119

(x) Includes motorcycles.

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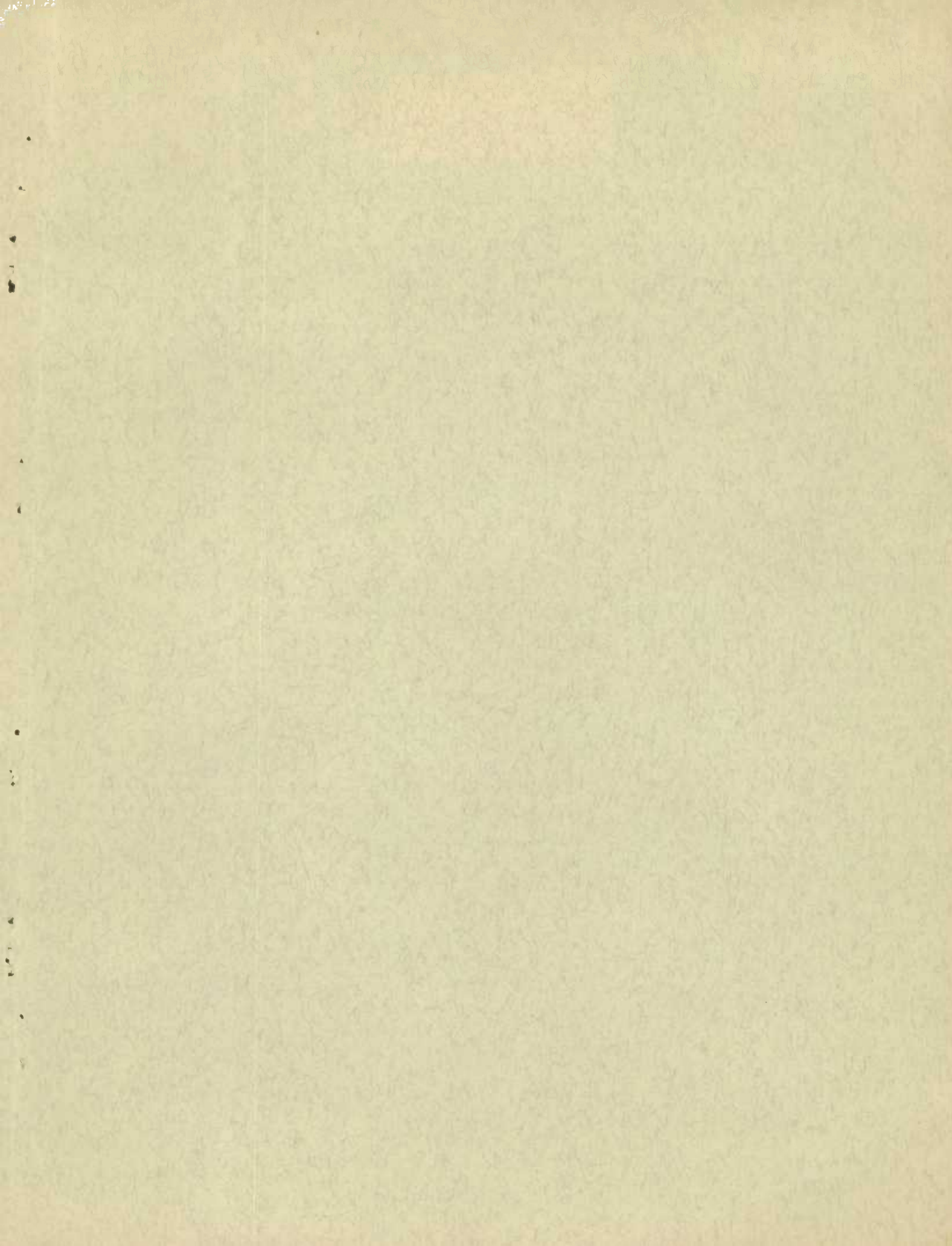
DIRECTORY

(a) Petroleum Refineries, 1931.

<u>Names</u>	<u>Location of plants</u>
Imperial Oil Refineries Limited	Imperoyal, N.S.
New Brunswick Gas & Oilfields Ltd.	Weldon, N.B.
Imperial Oil Refineries Limited	Montreal, P.Q.
McColl Frontenac Oil Co. Ltd.	Montreal, P.Q.
British American Oil Refineries Ltd.	Montreal, P.Q.
British American Oil Refineries Ltd.	Toronto, Ont.
Canadian Oil Refineries Ltd.	Petrolia, Ont.
Imperial Oil Refineries Limited	Sarnia, Ont.
McColl-Frontenac Oil Co. Ltd.	Toronto, Ont.
North Star Oil Limited	St. Boniface, Man.
Imperial Oil Refineries Ltd.	Regina, Sask.
Associated Refineries Limited	Wainwright, Alberta
Bell Refining Co. Ltd.	Calgary, Alberta
Imperial Oil Refineries Limited	Calgary, Alberta
Maple Leaf Oil & Refining Co. Ltd.	Coutts, Alberta
Northwest Stellarene Co. Inc.	Coutts, Alberta
Regal Oil & Refining Co. Ltd.	Calgary, Alberta
Imperial Oil Refineries Limited	Ioco, B.C.
Vancouver Oil Co. Ltd.	North Vancouver, B.C.

(b) Lubricating Oils and Greases, 1931.

Atlas Manufacturing Co. Ltd.	Montreal, P.Q.
Three in One Oil Company	Ville St. Pierre, P.Q.
Economic Products Ltd.	Outremont, P.Q.
Union Products	Montreal, P.Q.
Ontario Lubricating Co. Ltd.	Hamilton, Ont.
Campbell Grease & Oil Co.	Toronto, Ont.
Blue Ribbon Oil & Refining Co. Ltd.	Winnipeg, Man.
McManus & Howard Ltd.	Winnipeg, Man.
Price Oil Development & Refining Co.	Moose Jaw, Sask.
Price Oil Development & Refining Co.	Edmonton, Alberta
Price Oil Development & Refining Co.	Vancouver, B.C.
Union Oil Company of Canada, Ltd.	Port Moody, B.C.



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