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DOMINION BUREAU OF STATISTICS - CANADA
Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
Mining, Metallurgical and Chemical Branch
Chief: S. J. Cook, B.A., A.I.C., F.C.I.C.

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THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1928.

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Output of petroleum products from Canadian plants in 1928 was valued at \$83,122,172, an increase of \$18.5 millions over the 1927, according to a report issued by the Dominion Bureau of Statistics at Ottawa. Production from the 16 petroleum refineries was valued at \$82,443,392 and the output from 9 other concerns compounding lubricating oils and greases was valued at \$673,780.

Four refineries were located in Ontario, 4 in Alberta, 3 in British Columbia, 2 in Quebec, and 1 in each of the provinces of Nova Scotia, Manitoba and Saskatchewan. Capital employed in the petroleum refining industry, represented by these 16 establishments was placed at \$55,811,418; the number of employees averaged 4,252; the cost of materials was reported at \$57,033,185 and the value added by manufacturing, which is the difference between the selling value of products and the cost of materials used was \$25,415,207. Gasoline production reached 344,129,861 imperial gallons including 117,175,542 gallons made by the cracking process. To produce the 1928 output of cracked gasoline 284.5 million gallons of fuel and gas oil were used. Final sales of fuel and gas oils from the refineries amounted to 309,185,187 gallons in 1928 as against 239,272,246 gallons in the preceding year. In addition to this the refiners used 52,206,663 gallons as fuel in 1928 and 47,253,487 gallons in 1927.

In 1928 nine firms compounding lubricating oils and greases were located as follows: 3 in Quebec, 5 in Ontario, and 1 in Alberta. Capital invested in these plants was reported at \$720,196; the average number of employees was 67; cost of materials was reported at \$350,656; and the value added by manufacturing was \$323,124 to give the total sales value of \$673,780.

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, 1924-1928

Year	No. of plants	Capital employed	Average no. of employ-ees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manu-facturing
		\$		\$	\$	\$	\$
1924 ...	25	53,795,794	3,669	5,749,705	37,092,711	49,411,067	12,318,356
1925 ...	21	50,580,549	3,738	5,775,046	38,261,024	50,762,127	12,501,103
1926 ...	23	57,178,125	3,753	5,892,399	51,172,159	71,196,311	20,024,152
1927 ...	23	56,135,564	3,856	6,188,226	53,059,921	64,528,820	11,468,899
1928 ...	25	56,531,614	4,319	6,922,580	57,383,841	83,122,172	25,738,331

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TABLE 2.- PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, BY PROVINCES, 1927 and 1928.

Provinces	1927				1928			
	No. of plants	Average no. of employees	Salaries and wages	Selling value of products at works	No. of plants	Average no. of employees	Salaries and wages	Selling value of products at works
Quebec....	5	785	1,150,663	11,254,508	5	905	1,396,765	14,690,359
Ontario...	8	1,827	2,960,120	25,610,720	9	1,894	3,093,525	30,515,904
Alberta...	4	302	498,550	6,758,782	5	442	631,077	11,255,742
Br. Columbia	3	248	458,599	5,886,606	3	343	627,886	6,951,695
CANADA(x)	23	3,856	6,188,226	64,528,320	25	4,319	6,922,580	83,122,172

(x) Includes also data for 1 plant in each of Nova Scotia, Manitoba and Saskatchewan.

TABLE 3.- MATERIALS USED IN THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1927 and 1928.

	Unit of measure	1927		1928	
		Quantity	Cost at works	Quantity	Cost at works
Crude oil (Canadian) x	Imp. Gal.	15,632,271	1,783,413	20,324,814	2,112,314
Crude oil (Imported)	Imp. Gal.	700,737,619	47,376,673	829,608,956	50,952,144
Sulphuric acid, 66° Be.	lb.	49,728,504	407,894	51,828,643	408,905
Sulphur (not used in acid manufacture)	lb.	145,980	4,498	161,044	5,105
Caustic soda	lb.	3,798,427	147,684	4,345,466	159,803
Soda ash	lb.	412,489	8,594	381,196	8,023
Litharge	lb.	473,785	48,714	659,882	57,527
Fullers' earth	lb.	8,304,713	80,611	11,707,839	109,221
Compounding materials	-	...	534,610	...	732,956
Mineral oils	Imp. gal.	1,054,729	207,656	1,261,936	238,112
Animal oils	Imp. gal.	21,031	21,470	22,948	23,732
Other oils and greases	-	...	47,488	...	44,075
All other materials	-	...	189,166	...	146,728
Shipping containers, boxes, barrels, etc.	-	...	2,201,450	...	2,385,196
TOTAL	-	...	53,059,921	...	57,383,841

x Includes crude naphtha from Royalite Oil Co. wells in Alberta.

TABLE 4.- OUTPUT OF THE PETROLEUM PRODUCTS INDUSTRY IN CANADA, 1927 and 1928.

	Unit of measure	1927		1928	
		Quantity	Selling value at works	Quantity	Selling value at works
(a) Made for Sale -					
Gasoline	Imp. gal.	258,516,028	35,167,839	344,080,319	52,221,429
V.M. & P. naphtha including engine distillate, etc.	Imp. gal.	6,195,040	720,360	4,949,743	643,350
Kerosene	Imp. gal.	54,287,118	6,617,819	55,939,530	7,335,353
Fuel and gas oil	Imp. gal.	239,272,246	11,394,422	309,185,187	12,543,505
Lubricating oils	Imp. gal.	19,573,880	3,807,166	20,267,099	3,804,710
Grease	lb.	11,522,645	307,446	15,096,738	348,859
Petroleum coke	short ton	69,379	403,555	80,361	467,548
Wax and candles	lb.	9,525,909	505,125	17,029,935	599,335
Asphalt	Imp. gal.	21,800,573	2,287,139	22,326,606	2,016,630
Other products	-	...	570,250	...	495,813
TOTAL	-	...	61,781,121	...	80,476,532
(b) Intermediate Products made for use (chiefly as fuel) in the manufacture of petroleum products in Canada -					
Gasoline	Imp. gal.	33,696	5,509	49,542	7,413
Kerosene	Imp. gal.	28,961	3,594	42,389	5,191
Fuel and gas oils	Imp. gal.	47,253,487	2,189,990	52,206,663	1,907,829
Lubricating oils	Imp. gal.	17,417	3,117	26,297	3,884
Petroleum coke	short ton	6,850	45,663	15,547	93,882
Still gas	M cu. ft.	1,719,394	450,301	2,489,346	572,847
Other products	-	...	49,525	...	54,594
TOTAL	-	...	2,747,699	...	2,645,640
GRAND TOTAL	-	...	64,528,820	...	83,122,172

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