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ANNUAL INDUSTRY REPORT

CHEMICALS AND ALLIED PRODUCTS GROUP

THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1939

Production by the manufacturing plants in Canada which were engaged chiefly in making patent and proprietary medicines, pharmaceuticals and similar commodities, was valued at \$27,184,262 at factory prices in 1939 compared with \$24,536,474 in 1938 and \$24,814,647 in 1937.

Of the 174 factories in this group in 1939, 91 were located in Ontario, 68 in Quebec, 7 in Manitoba, 3 in British Columbia, 1 in Nova Scotia, 3 in Alberta and 1 in New Brunswick. Capital employed in manufacturing was reported at \$25,282,626, of which \$7,902,748 was the value of land, buildings and equipment, \$7,918,691 was the value of inventories and \$9,461,187 was cash and other operating capital. The average number of employees in 1939 was 4,388 compared with 4,270 in the previous year and payments in salaries and wages totalled \$5,906,891 as against \$5,690,826 in 1938. Plants in Ontario produced 63 per cent of the Canadian output and concerns in Quebec accounted for 32 per cent.

The concerns in this industry make medicinals and pharmaceuticals as their main products but they also manufacture other lines, such as, toilet preparations, as a secondary part of their business. On the other hand, some companies which have been classified to other industrial groups make some medicinal preparations as minor products. The total Canadian output of medicinals, pharmaceuticals and biologicals from all industries amounted in value to \$19,191,562 in 1939 compared with \$17,351,931 in 1938 and \$17,547,432 in 1937.

Imports into Canada of drugs, medicinals and pharmaceuticals during 1939 were valued at \$3,991,883 of which \$2,483,004 came from United States, and \$843,610 from the United Kingdom. In 1938 the value of imports was \$3,378,899. Exports were appraised at \$1,499,593 in 1939 and \$1,566,422 in 1938.

Table 1 - PRINCIPAL STATISTICS, 1929 - 1939

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1929 .....	140	19,552,949	2,849	3,672,373	110,065	6,300,894	19,038,894
1930 .....	144	18,843,192	2,833	3,663,307	108,160	5,563,081	17,768,806
1931 .....	144	17,848,713	2,366	3,859,591	113,259	5,590,546	18,110,794
1932 .....	151	18,379,601	2,959	3,933,778	114,203	5,595,117	17,573,979
1933 .....	168	17,402,705	3,169	3,850,928	130,616	5,774,391	17,063,849
1934 .....	180	20,041,129	3,506	4,036,409	148,760	6,587,569	19,484,094
1935 .....	166	20,091,638	3,664	4,500,252	157,102	7,009,191	21,292,751
1936 .....	169	20,760,912	3,857	4,797,458	169,635	7,384,370	22,251,550
1937 .....	174	22,780,119	4,296	5,311,120	175,551	8,808,929	24,814,647
1938 .....	171	23,508,341	4,270	5,690,826	192,377	8,566,007	24,536,474
1939 .....	174	25,282,626	4,388	5,906,891	199,899	9,804,525	27,184,262
Per cent change							
1939 from 1938 ...		+ 7.5	+ 2.8	+ 3.8	+ 3.9	+ 14.5	+ 10.8

NOTE: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as, interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1938 and 1939

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
<u>1938</u>							
Quebec .....	66	8,918,040	1,503	2,021,163	85,038	2,578,149	8,151,096
Ontario .....	91	13,193,756	2,578	3,461,185	96,987	5,512,743	15,093,340
Manitoba .....	7	1,123,091	134	150,148	7,522	426,465	1,097,553
British Columbia	3	66,209	38	40,943	1,777	12,797	67,167
New Brunswick ..	1)						
Alberta .....	1)	207,245	17	17,387	1,053	35,853	127,318
Nova Scotia .....	2)						
CANADA .....	171	23,508,341	4,270	5,690,826	192,377	8,566,007	24,536,474
<u>1939</u>							
Quebec .....	68	9,223,265	1,567	2,096,750	93,166	2,918,942	8,796,367
Ontario .....	91	14,330,730	2,631	3,615,220	95,304	6,317,528	16,986,043
Manitoba .....	7	1,174,160	134	152,500	8,308	514,555	1,205,342
British Columbia	3	322,973	35	21,170	1,874	10,604	48,022
Nova Scotia .....	1)						
New Brunswick ..	1)	231,498	21	21,251	1,247	42,896	148,488
Alberta .....	3)						
CANADA .....	174	25,282,626	4,388	5,906,891	199,899	9,804,525	27,184,262

Table 3 - CAPITAL EMPLOYED, BY PROVINCES, 1938 and 1939

Provinces	Present value of land, buildings, machinery and equipment	Inventory value of materials on hand, finished products, and stocks in process	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1938</u>				
Quebec .....	3,238,728	2,465,497	3,213,815	8,918,040
Ontario .....	4,182,483	3,715,104	5,296,169	13,193,756
Manitoba .....	446,168	394,088	282,835	1,123,091
British Columbia	33,965	30,593	1,651	66,209
Other provinces	56,741	87,020	63,484	207,245
CANADA .....	7,958,085	6,692,302	8,857,954	23,508,341
<u>1939</u>				
Quebec .....	3,121,080	2,849,104	3,253,081	9,223,265
Ontario .....	4,243,102	4,321,544	5,766,084	14,330,730
Manitoba .....	409,698	441,861	322,601	1,174,160
British Columbia	63,519	212,689	46,765	322,973
Other provinces	65,349	93,493	72,656	231,498
CANADA .....	7,902,748	7,918,691	9,461,187	25,282,626

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1938 and 1939

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
<b>1938</b>								
Quebec .....	434	190	441	438	1,503	1,312,187	708,976	2,021,163
Ontario .....	782	421	596	779	2,578	2,264,213	1,196,972	3,461,185
Manitoba .....	18	13	47	50	134	61,795	88,353	150,148
British Columbia	4	4	13	17	38	8,221	32,722	40,943
Other provinces.	3	1	6	7	17	7,467	9,920	17,387
CANADA .....	1,241	635	1,103	1,291	4,270	3,653,883	2,036,943	5,690,826
<b>1939</b>								
Quebec .....	447	197	475	448	1,567	1,338,300	758,450	2,096,750
Ontario .....	777	438	609	807	2,631	2,339,041	1,276,179	3,615,220
Manitoba .....	16	18	52	48	134	57,805	94,695	152,500
British Columbia	5	2	10	18	35	7,705	13,465	21,170
Other provinces.	7	2	6	6	21	12,452	8,799	22,251
CANADA .....	1,252	657	1,152	1,327	4,388	3,755,303	2,151,588	5,906,891

Table 5 - WAGE-EARNERS, BY MONTHS, 1938 and 1939 (On the last work-day of each month)

Months	1938			1939		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	1,111	1,310	2,421	1,105	1,275	1,380
February .....	1,118	1,326	2,444	1,105	1,278	2,383
March .....	1,098	1,349	2,447	1,105	1,296	2,401
April .....	1,084	1,282	2,366	1,138	1,288	2,426
May .....	1,064	1,251	2,315	1,124	1,299	2,423
June .....	1,071	1,227	2,298	1,136	1,286	2,422
July .....	1,066	1,219	2,285	1,144	1,253	2,382
August .....	1,082	1,273	2,355	1,166	1,328	2,494
September .....	1,116	1,341	2,457	1,208	1,415	2,623
October .....	1,150	1,379	2,529	1,215	1,458	2,673
November .....	1,111	1,304	2,415	1,208	1,472	2,680
December .....	1,097	1,176	2,273	1,175	1,325	2,500
AVERAGE .....	1,103	1,291	2,394	1,152	1,327	2,479

Table 6 - FUEL AND ELECTRICITY USED, 1938 and 1939

Kinds	Unit of measure	1938		1939	
		Quantity	Cost at works	Quantity	Cost at works
Anthracite coal .....	short ton	1,091	9,375	897	9,458
Bituminous coal - Canadian	short ton	4,417	26,139	5,412	32,961
Imported	short ton	7,392	49,469	7,361	51,206
Coke .....	short ton	9	100	37	424
Gasoline .....	Imp. gal.	928	269	30	7
Kerosene .....	Imp. gal.	613	118	513	91
Fuel oil .....	Imp. gal.	255,121	14,694	295,970	15,871
Wood .....	cord	188	716	125	555
Gas - Manufactured .....	M cu. ft.	8,286	7,193	15,302	7,361
Natural .....	M cu. ft.	2,098	1,225	1,980	1,193
Other fuel .....	...	...	2,444	...	2,500
Electricity purchased .....	K. W. H.	4,050,869	80,635	4,158,151	78,272
TOTAL .....	...	...	192,377	...	199,399

Table 7 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1939 (During one week in month of normal employment; overtime not included)

Regular hours worked per week	1939		Regular hours worked per week	1938	
	Number of wage-earners	Per cent of total		Number of wage-earners	Per cent of total
30 hours or less..	38	1.51	49 - 50 hours .....	51	2.03
31 - 43 hours .....	498	19.82	51 - 54 hours .....	32	1.27
44 hours .....	880	35.02	55 hours .....	2	0.08
45 - 47 hours .....	705	28.05	56 - 64 hours .....	15	0.60
48 hours .....	268	10.66	65 hours and over..	24	0.96
			TOTAL .....	2,513	100.00
			Total wages paid in selected week .....		\$42,836

Table 8 - POWER EQUIPMENT, 1938 and 1939

Kinds	1938		1939	
	Ordinarily in use Number of units	Total rated horse power	In reserve or idle Number of units	Total rated horse power
<u>1 9 3 8</u>				
Hydraulic turbines, or water wheels	...	...	...	...
Steam engines and steam turbines ..	6	136	...	...
Gasoline, gas and oil engines .....	6	1	...	...
Total Primary Equipment .....	12	137	...	...
Electric motors operated by purchased power .....	1,661	4,131	20	59
TOTAL .....	1,673	4,268	20	59
Stationary boilers .....	48	3,293	2	530
<u>1 9 3 9</u>				
Hydraulic turbines, or water wheels	...	...	...	...
Steam engines and steam turbines ..	8	266	...	...
Gasoline, gas and oil engines .....	6	1	...	...
Total Primary Equipment .....	14	267	...	...
Electric motors operated by purchased power .....	1,764	4,363	19	39
TOTAL .....	1,778	4,630	19	39
Stationary boilers .....	42	3,283	4	705

Table 9 - MATERIALS USED IN MANUFACTURING, 1938 and 1939

Materials	Unit of measure	1938		1939	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Acetylsalicylic acid .....	lb.	255,103	127,481	281,913	150,012
Boric acid .....	lb.	157,149	12,117	172,785	13,308
Citric acid .....	lb.	198,063	48,871	197,852	49,232
Tartaric acid .....	lb.	507,120	119,166	488,640	128,174
Bismuth metal .....	lb.	26,643	23,951	18,155	16,821
Bismuth salts .....	lb.	12,779	19,107	13,430	21,815
Caffeine .....	lb.	5,482	10,810	7,514	12,725
Cod liver oil .....	lb.	707,527	83,600	90,313	116,568
Essential oils .....	...	...	84,681	...	113,446
Ethyl alcohol .....	proof gal.	162,338	297,822	178,788	336,015
Glycerine, refined .....	lb.	624,668	106,414	720,483	113,994

Table 9 - MATERIALS USED IN MANUFACTURING, 1938 and 1939 (Concluded)

Materials	Unit of measure	1 9 3 8		1 9 3 9	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Gums, including camphor ....	...	...	40,873	...	54,350
Iodine, crude .....	lb.	83,654	83,102	83,364	91,254
Mineral oil, white .....	lb.	662,930	71,972	735,393	82,668
Herbs, roots and other drugs	...	...	192,203	...	192,181
Magnesium sulphate .....	lb.	855,547	23,687	830,927	24,091
Menthol .....	lb.	8,661	24,401	10,449	27,305
Mercury metal .....	lb.	12,666	10,249	14,159	14,613
Nitric acid, 42° .....	lb.	35,428	3,011	3,227	607
Petrolatum .....	lb.	508,428	44,824	666,441	57,824
Phenol .....	lb.	11,300	3,072	13,360	3,634
Potassium iodide .....	lb.	5,584	7,264	6,294	9,592
Potassium sodium tartrate (Rochelle salt) .....	lb.	100,140	15,079	111,715	20,757
Silver bullion .....	Troy oz.	45,283	20,241	45,456	18,914
Sodium bicarbonate .....	lb.	1,130,431	48,756	1,041,190	29,282
Sodium hydroxide .....	lb.	146,788	5,457	149,060	5,825
Sodium salicylate .....	lb.	8,349	2,648	11,015	4,432
Sodium sulphate .....	lb.	41,240	1,593	46,748	1,940
Sugar .....	lb.	2,789,280	140,651	2,847,361	157,927
All other materials .....	...	...	4,031,759	...	4,865,101
Containers .....	...	...	2,861,145	...	3,069,618
<b>TOTAL</b> .....	...	...	<b>8,566,007</b>	...	<b>9,804,525</b>

Table 10 - PRODUCTS MADE, 1938 and 1939

NOTE - Data given in this table are for the Medicinal and Pharmaceutical Preparations Industry ONLY and represent only the production of the firms classified to this group (see Directory). The figures for the individual items do not necessarily represent the total output in Canada as these articles may have been produced by concerns which have been classified to other industrial groups. For the total Canadian output see Table 11.

Products	Selling value at the works	
	1 9 3 8	1 9 3 9
	\$	\$
<b>Medicines and Pharmaceuticals:</b>		
Standard (pharmacopoeial or defined in other standard works) .....	3,361,979	4,140,535
Specialties registered as patent medicines .....	5,123,185	5,121,244
Specialties sold with ingredients declared .....	7,569,081	8,758,270
Biological preparations (vaccines, serums, etc.) ..	714,008	696,219
Disinfectants .....	60,263	57,107
Insecticides .....	200,984	172,638
Flavouring extracts .....	297,999	347,779
Toilet preparations .....	1,713,359	1,746,915
All other products(x) .....	5,475,616	6,145,555
<b>TOTAL</b> .....	<b>24,536,474</b>	<b>27,184,262</b>

(x) Includes absorbent gauze, sanitary towels, confectionery, packaged goods, dental supplies, surgical bandages, protective dressings, and other such articles.

Table 11 - PRODUCTION(x), IMPORTS AND EXPORTS OF MEDICINALS AND PHARMACEUTICALS IN CANADA, 1926 - 1939

Years	Production (Selling value at factory)	Imports	Exports
	\$	\$	\$
1926 .....	12,352,522	5,100,911	567,955
1927 .....	12,875,435	2,307,266	487,304
1928 .....	13,343,488	3,715,028	590,049
1929 .....	14,858,505	2,730,193	808,981
1930 .....	15,931,292	3,652,434	633,445
1931 .....	13,610,975	3,309,071	372,969
1932 .....	13,015,912	2,832,025	817,701
1933 .....	13,912,045	2,588,168	634,155
1934 .....	14,316,005	2,600,496	796,787
1935 .....	15,360,980	2,824,034	738,026
1936 .....	16,223,419	3,207,300	1,278,440
1937 .....	17,547,432	3,510,064	1,443,251
1938 .....	17,351,931	3,378,899	1,566,422
1939 .....	19,191,562	3,991,883	1,499,593

(x) Production figures represent the total Canadian production, including some medicinals made in other industries.

Table 12 - IMPORTS INTO CANADA OF DRUGS, MEDICINAL AND PHARMACEUTICAL PREPARATIONS, 1938 and 1939

	1938	1939	1938	1939
	Quantity	Quantity	Value	Value
			\$	\$
Caffeine and salts of..... lb.	151	1,777	365	2,012
Cocaine .....	1,305	2,068	9,213	16,201
Codeine and salts of .....	33,005	49,595	94,219	123,981
Morphine .....	4,834	7,376	20,841	30,509
Nicotine sulphate .....	110,375	158,188	75,342	84,034
Nicotine; salts of nicotine; prepara- tions containing nicotine in a free or combined state, for dipping, spraying or fumigating, n.o.p. ....	...	28,589	...	13,856
Opium, crude .....	220	450	775	2,515
Opium, powdered .....	45	327	183	1,315
Quinine, salts of .....	93,402	126,119	51,357	75,402
Strychnine and salts of .....	34,625	72,209	11,943	14,460
Dipping and spraying preparations, non- alcoholic, in packages of not over three pounds .....	...	...	53,520	66,785
Preparations or chemicals, non-alcoholic, for disinfecting, dipping or spraying, not elsewhere specified .....	...	...	843,805	1,089,927
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, dry .....	...	...	1,495,133	1,688,492
Caffeine, in a crude state, when import- ed by manufacturers for purification or further manufacture in their own factories .....	101,973	17,434	106,355	18,786

Table 12 - IMPORTS INTO CANADA OF DRUGS, MEDICINAL AND PHARMACEUTICAL PREPARATIONS, 1933 and 1939 (Concluded)

	1938	1939	1938	1939
	Quantity	Quantity	Value	Value
			\$	\$
Mixtures containing cyanides for use in combatting destructive insects and pests .....	...	...	28,794	29,801
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, liquid, when containing not more than 2½ per cent of proof spirits .....	...	...	432,652	543,335
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, all other .....	...	...	27,393	35,844
Medicinal or medicated wines, containing not more than 40 per cent of proof spirits .....	gal. 783	gal. 258	1,285	424
Menthol, natural or synthetic .....	...	...	52,939	92,256
Papaine .....	...	...	1,665	2,313
Quassia juice .....	...	...	15	...
Spirits and strong waters of any kinds, mixed with any ingredient, or ingredients, and being known or designated as anodynes, elixirs, tinctures or medicines, n.o.p. ....	gal. 4,808	gal. 3,886	64,625	52,935
TOTAL IMPORTS .....	...	...	3,373,899	3,991,833
From - United Kingdom .....	...	...	828,650	843,610
United States .....	...	...	2,014,691	2,485,004

\* To June 30, 1939  
 † From July 1, 1939

DIRECTORY OF FIRMS IN THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1939

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>NOVA SCOTIA -</u>	
Minard's Liniment Co. Ltd.	7 Jenkins St., Yarmouth
<u>NEW BRUNSWICK -</u>	
Baird Co. Ltd., The	66 King St., Woodstock
<u>QUEBEC -</u>	
Abbott Laboratories Ltd.	20 Bates Rd., Outremont
Abbey Effervescent Salt Co., The	2715 Reading St., Montreal
Arex Co., (Reg'd.) The	30 Wolfe St., Lauzon
Ayerst, McKenna & Harrison, Ltd.	781 William St., Montreal
Bliss, Alonzo O., Medical Co., The	454 St. Helen St., Montreal
Bristol-Myers Co. of Canada Ltd.	1239 Benoit St., Montreal
Burroughs, Wellcome & Co.	Riverview Ave., Ville La Salle
Brunet, W., & Cie, Ltée	70 de la Chapelle, Quebec

DIRECTORY OF FIRMS IN THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1939  
(Continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
QUEBEC (Continued) -	
Canada Drug Co. (Reg'd.)	857 St. Maurice St., Montreal
Chesebrough Mfg. Co. Consolidated	5520 Chabot Ave., Montreal
Ciba Co., Ltd.	759 Victoria Square, Montreal
Cie Onguent Eskimo	Mansonville
Cie Paula Ltée	21 St. Paul St. E., Montreal
Cie So Rex Ltee, La	355 Chemin St. Foye, Quebec
Compagnie J. L. Mathieu	14 Albert St., Sherbrooke
Compagnie Pharmaceutique Rameau, Ltée	350 Le Moyne St., Montreal
Corporation Pharmaceutique Francaise, Ltee	533 Bonsecours St., Montreal
Dairy Association Co.	Rock Island
Daniels, Dr. A. C. Co. of Canada, Ltd.	Victoria Ave., Knowlton
Davis & Lawrence Co.	1910 St. Antoine St., Montreal
Denver Chemical Mfg. Co.	153 Lagauchetiere St. W., Montreal
Desautels Laboratories Ltd.	1180 Benoit St., Montreal
Duckett, Inc.	Room 1, 27 Notre Dame St., Montreal
Ede-Lax Limited	736 Notre Dame St. W., Montreal
Fortin, Charles	Robertsonville
Frasier Thornton Co. Ltd.	Cookshire
Frosst, Charles E., & Co.	3571 St. Antoine St. W., Westmount
Gauvin, J. A. E.	1427 Maisonneuve St., Montreal
Hanford, G. C. Mfg., Co. Ltd.	215 St. Paul St. W., Montreal
Harris, J. A., Ltd.	4510 De la Roche St., Montreal
Herbo Remedies Co. Ltd.	3713 St. Denis St., Montreal
Hervay Remedies, Ltd.	St. Basile
Horner, Frank W., Ltd.	950 St. Urbain St., Montreal
Institut Vaccinal de Montreal, Inc.	9741 Saint-Laurent Blvd., Montreal
Joffre Chemical Co.	3444 St. Hubert St., Montreal
Johnson & Johnson Ltd.	2155 Pius IX Blvd., Montreal
Kress & Owen Co. of Canada Ltd.	286 St. Paul St. W., Montreal
Laboratoire Moderne Ltée, Le	419 Notre Dame E., Montreal
Laboratoire Montphar	2420 Notre Dame St. E., Montreal
Lalonde, Henri, Ltée	416 Notre Dame St. E., Montreal
Laboratoire Nadeau Limitee	100 St. Paul St. W., Montreal
Laboratoires St. Hubert Ltée	8185 Henri Julien St., Montreal
Laboratoire Pasteur Ltée	1305 Amherst St., Montreal
Laboratoires Poulenc Freres du Canada, Ltée	204 Place Youville, Montreal
Lambert, Dr. J. O., Limitée	2234 St. Antoine St., Montreal
Laurentian Laboratories, Ltd.	442 St. Gabriel St., Montreal
Leeming Miles Co. Ltd., The	504 St. Lawrence Blvd., Montreal
Mallinckrodt Chemical Works Ltd.	425 St. Patrick St., LaSalle
Marois, L. & M.	643 Notre Dame St. W., Montreal
Massicotte Import Co.	637 Craig St. W., Montreal
Menley & James Ltd. of Canada	420 Lagauchetiere St. W., Montreal
Merck & Co. Ltd.	560 De Courcelles St., Montreal
Mothersill Remedy Co. Ltd., The	286 St. Paul St. W., Montreal
Mowatt & Moore, Ltd.	64 Prince St., Montreal
Pertussin Limited	250 St. Zotique St. W., Montreal
Polson, N. C. & Co. Ltd.	651 Notre Dame St. W., Montreal
Produits Gardo Ltée	Rue Principale, Waterloo



DIRECTORY OF FIRMS IN THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1939  
(Continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>QUEBEC (Concluded) -</u>	
Produits Pharmaceutiques Sylvain Ltee	406 Notre Dame St. E., Montreal
Rawleigh, W. T. Co. Ltd., The	4005 Richelieu St., St. Henri, Montreal
Rougier Freres Cie Inc.	350 Le Moyne St., Montreal
St. Germain, Les Medicaments	5129 St. Denis St., Montreal
Sauve & Poirier	1831 Notre Dame St. W., Montreal
Scientific Products Reg'd.	P. O. Box 24, Station H, Montreal
Sunodium Co. of Canada	4180 St. Denis St., Montreal
Usines Chimiques du Canada Inc.	1338 Lagauchetiere St. E., Montreal
Watkins, J. R., Co., The	2195 Masson St., Montreal
White, A. J., & Co. Ltd.	420 Lagauchetiere St. W., Montreal
Wingate Chemical Co. Ltd., The	378 St. Paul St. W., Montreal
<u>ONTARIO -</u>	
Accurate Laboratories	186 $\frac{1}{2}$ King St., London
Allen & Hanbury's Co. Ltd., The	65 King St., Lindsay
Alvinorr Products Ltd.	60 Main St., Galt
Anglo-Canadian Drugs Ltd.	99 Simcoe St. S., Oshawa
Antidolor Mfg. Co. Inc., The	32 Queen St., Fort Erie
Arner Co. Ltd., The	Niagara, Lewis and Bridge Sts., Fort Erie North
Australian Eucalyptus, Ltd.	75 Duchess St., Toronto
Bauer & Black, Ltd.	Dominion Motors Bldg. 8, Leaside
Baxter Laboratories of Canada Ltd.	201 Weston Rd. S., Toronto
Bayer Co. Ltd., The	1019 Elliott St. W., Windsor
Bell, Dr., Wonder Medicine Co.	Rear 108 Clarence St., Kingston
Bromo-Seltzer Ltd.	1266 Queen St. W., Toronto
Buckley, W. K., Ltd.	559 College St., Toronto
Canada Pharmacal Co. Ltd., The	447 Talbot St., London
Canada Representatives Ltd.	193-195 Spadina Ave., Toronto
Canadian Botanic Gardens	379 Talbot St., London
Canadian Cellucotton Products Co. Ltd.	431 Victoria Ave., Niagara Falls
Canadian Gunagathon Co. Ltd., The	750B Yonge St., Toronto
Canadian Tampax Corporation Ltd.	150 Duchess St., Toronto
Carter, Cummings & Co.	107 Duke St., Toronto
Caulk, L. D., Co. of Canada, Ltd., The	172 John St., Toronto
Centaur Company Ltd., The	1019 Elliott St., Windsor
Comstock, W. H. Co. Ltd.	11 Courthouse Ave., Brockville
Connaught Laboratories	University of Toronto, also R.R. 1, Downsview
Cressy, John R., Co.	1536 Dundas St. W., Toronto
D. D. D. Co. of Canada, Ltd.	36 Caledonia Road, Toronto
Druggists' Corporation, Ltd.	6 Ontario St., Toronto
Eaton, T., Drug Co. Ltd., The	190 Yonge St., Toronto
Edmanson Bates & Co. Ltd.	Colborne St., Oakville
Endo Medical Products Ltd.	1870 Davenport Road, Toronto
Eno, J. C., (Canada) Ltd.	296 Richmond St. W., Toronto
Fasteeth Ltd.	Fort Erie North
Fleming Bros. Ltd.	424 Wellington St. W., Toronto

DIRECTORY OF FIRMS IN THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1939  
(Continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO (Continued) -</u>	
Foster Dack Co. Ltd.	337 King St. W., Toronto
Fulford, C. E., Ltd.	310 Dupont St., Toronto
Galt Chemical Products Ltd.	Corner Beverly and Kerr Sts., Galt
Gelatin Products Ltd.	1319 Argyle Road, Windsor
General Drug Co.	1019 Elliott St. W., Windsor
Gray Remedy Co.	32 Lombard St., Toronto
Hartz, J. F., Co. Ltd., The	32 Grenville St., Toronto
Hess and Clark Ltd.	659 Adelaide St., London
Huston, John A.	36 Caledonia Road, Toronto
Ingram & Bell Ltd.	256 McCaul St., Toronto
Jamieson, C. E., & Co. Ltd.	414 Sandwich W., Windsor
Jefferis, E. G. Medicine Co.	442 Quebec Ave., Toronto
Kelly, Thomas J., Laboratories	428 Talbot St., London
Kennedy Laboratories Ltd.	10 Wharfe St., Brantford
Kitchener Tonsillitis Co.	195 Lancaster St. E., Kitchener
Lavoris Chemical Co. Ltd.	92 Jarvis St., Toronto
Lentheric of Canada, Ltd.	36 Caledonia Road, Toronto
Lewis-Howe Co.	239 Crawford Ave., Windsor
MacDonald Medicine Co.	64 John St. W., Hamilton
Marlatt, G. W., & Co.	211 Gerrard St. E., Toronto
Mason Remedies Ltd.	10-18 McCaul St., Toronto
Mentholatum Co., The	20 Lewis St., Fort Erie North
Merrill Co. Ltd., The	93 $\frac{1}{2}$ Church St., Toronto
Milburn, T., Co. Ltd., The	645 King St. W., Toronto
Miles Laboratories Ltd.	1010 Dufferin St., Toronto
Mulveney's, R. L., Remedies Ltd.	199 Ossington Ave., Toronto
Musterole Co. of Canada Ltd.	34 St. Patrick St., Toronto
National Cellulose of Canada, Ltd.	Mt. Dennis
National Sanitary Products Ltd.	438 Talbot St., London
Nicholson Laboratories	181 College St., Toronto
Northrop & Lyman Co. Ltd.	462-66 Wellington St. W., Toronto
Nova Kelp Co. Ltd.	54 Adelaide St. E., Toronto
Novocol Chemical Mfg. Co. of Canada, Ltd.	11-13 Grenville St., Toronto
Noxzema Chemical Co. of Canada, Ltd., The	92 Jarvis St., Toronto
Parke, Davis & Co.	Sandwich St., Walkerville
Penslar Co. Ltd., The	325 Devonshire Road, Walkerville
Phillips, Chas. H., Chemical Co.	1019 Elliott St. W., Windsor
Pinex Co., The	424 Wellington St. W., Toronto
Pinkham, Lydia E., Medicine Co.	University Ave., Cobourg
Poloris Co. Ltd.	36-48 Caledonia Road, Toronto
Powell, H., Chemical Co. Ltd., The	38 Dundas St. E., Toronto
Procol Mfg. Co. Ltd.	332 Bloor St. W., Toronto
Pure Kelp Co.	130 Frederick St., Kitchener
Rolls & Darlington Ltd.	119 Pearl St., Toronto
Rundle, Geo. H., & Son Co. Ltd., The	Pitt St., and Dougal Ave., Windsor
Samnders, W. E., Ltd.	136 King St., London
Serva Mfg. Co.	Richmond Mill
Shuttleworth, E. B., Chemical Co. Ltd., The	525 Logan Ave., Toronto

DIRECTORY OF FIRMS IN THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1939  
(Concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO (Concluded) -</u>	
Siroil Laboratories of Canada Ltd.	152 Pitt St. W., Windsor
Squibb, E. R., & Sons of Canada, Ltd.	36 Caledonia Road, Toronto
Stafford-Miller (of Canada) Ltd.	172 John St., Toronto
Stearns, Frederick, & Co. of Canada, Ltd.	443 Sandwich St., W., Windsor
Sterling Products Ltd.	1019 Elliott St. W., Windsor
Stevens, J., & Son, Co. Ltd.	145 Wellington St. W., Toronto
Sutcliffe & Bingham of Canada, Ltd.	1 Niagara St., Toronto
Synthetic Drug Co., Ltd.	243 College St., Toronto
Templetons Ltd.	56 Colborne St., Toronto
Toronto Pharmacal Co. Ltd., The	14-20 Brockton Ave., Toronto
Troy Chemical Co. Inc.	517 Crawford St., Toronto
United Drug Co. Ltd.	68 Broadview Ave., Toronto
Wampole, Henry K., & Co., Ltd.	Perth
Warner, Wm. R., & Co., Ltd.	727 King St. W., Toronto
West, Ernest P.	41 Duchess St., Toronto
Will, Charles R., & Co. Ltd.	571 Richmond St. W., Toronto
Wood, W. Lloyd, Ltd.	64 Gerrard St. E., Toronto
World's Dispensary Medical Association	40 Courtwright St., Fort Erie North
Wyeth, John, & Bro. Inc.	2109 Ottawa St., Walkerville
<u>MANITOBA -</u>	
Eaton, T., Co. Ltd., The	Winnipeg
Fahrney, Dr. Peter, & Sons Co.	256 Stanley St., Winnipeg
Kleerex Mfg. Co.	296 Scotia St., Winnipeg
National Drugs Ltd.	576 McDermot St., Winnipeg
Rawleigh, W. T., Co. Ltd., The	589 Henry Ave., Winnipeg
Soda Fountain Supply Co.	Notre Dame and Princess Sts., Winnipeg
Watkins, J. R., Co., The	Annabella and E. Higgins Sts., Winnipeg
<u>ALBERTA -</u>	
Harris, George, & Son	507 .. 24th Ave. W., Calgary
Lion Laboratories	1758 .. 1st Ave. N. W., Calgary
McIntyre, John C.	10061 .. 101st St., Edmonton
<u>BRITISH COLUMBIA -</u>	
B. C. Pharmacal Co. Ltd.	329 Railway St., Vancouver
R. M. B. Laboratories of Canada, Ltd.	736 Granville St., Vancouver
Western Wholesale Drug Ltd.	456 Broadway W., Vancouver





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