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CANADA



# THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY

1953

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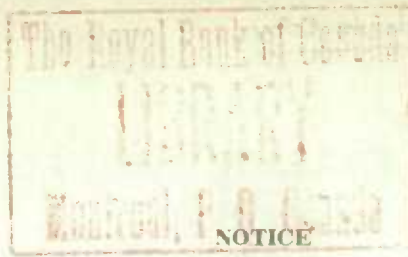
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The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 25¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
  - Section E. Prairie Provinces, 25¢
  - Section F. British Columbia, 25¢
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- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textiles
- VIII — Wood and Paper Products
- IX — Printing Trades
- X — Iron and Steel Products
- XI — Transportation Equipment
- XII — Non-ferrous Metal Products
- XIII — Electrical Apparatus and Supplies
- XIV — Non-metallic Mineral Products
- XV — Products of Petroleum and Coal
- XVI — Chemicals and Allied Products
- XVII — Miscellaneous Manufactures

The present report belongs in Part XVI, Chemicals and Allied Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review, 25¢
- B — The Acids, Alkalies and Salts Industry, 25¢
- C — The Fertilizers Industry, 25¢
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- P — The Miscellaneous Chemical Products Industry, 25¢

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## THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY 1953

Factory shipments by the manufacturing plants in Canada which were engaged chiefly in making patent and proprietary medicines, pharmaceuticals and similar commodities were valued at \$93,557,168 in 1953, an increase of 6.3 per cent over the comparable figure of \$88,022,387 in 1952.

Of the 217 factories in this group in 1953, 98 were located in Quebec, 92 in Ontario, 9 in Manitoba, 9 in British Columbia, 3 in Nova Scotia, 3 in Newfoundland, 2 in Alberta and 1 in New Brunswick. The total number of employees in 1953 was 7,492, compared with 7,457 in the previous year, and payments in salaries and wages amounted to \$21,758,651 as against \$20,481,873 in 1952. Plants

in Ontario accounted for 50 per cent of the Canadian output, while concerns in Quebec produced 47 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 \$87,098,000 in 1953, compared with \$81,432,000 in 1952 and \$82,131,000 in 1951.

**TABLE 1. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, 1949-1953**

Year	Number of plants	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
			\$	\$	\$	\$
1949 .....	218	7,658	16,116,592	593,187	22,900,555	71,502,135
1950 .....	210	7,524	16,637,745	652,909	24,621,090	76,372,691
1951 .....	206	7,481	18,917,850	719,135	28,414,566	89,248,867
1952 .....	213	7,457	20,481,873	751,605	27,350,129	88,022,387 <sup>1</sup>
1953 .....	217	7,492	21,758,651	822,438	30,716,172	93,557,168 <sup>1</sup>
Per cent change, 1953 from 1952	—	+ 0.4	+ 6.2	+ 9.4	+ 12.3	+ 6.3

1. Factory shipments for these years. The inventory value of finished products at plant at end of 1952 amounted to \$6,206,000 and at end of 1953 to \$7,310,000.

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 of the Medicinal and Pharmaceutical Preparations Industry, by Provinces, 1952 and 1953**

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Value of factory shipments
			\$	\$	\$	\$
<b>1952</b>						
Nova Scotia .....	3	15	22,162	867	57,856	192,223
Quebec .....	91	3,624	10,383,613	476,893	12,634,109	41,754,193
Ontario .....	97	3,602	9,624,106	257,199	13,863,053	43,960,052
Manitoba .....	9	154	334,441	10,897	614,057	1,699,363
British Columbia .....	8	46	99,031	4,271	136,602	321,133
Alberta .....	2	} 16	18,520	1,478	44,452	95,423
New Brunswick .....	1					
Newfoundland .....	2					
<b>Canada .....</b>	<b>213</b>	<b>7,457</b>	<b>20,481,873</b>	<b>751,605</b>	<b>27,350,129</b>	<b>88,022,387</b>
<b>1953</b>						
Newfoundland .....	3	12	12,790	1,134	32,789	63,060
Nova Scotia .....	3	14	21,507	777	50,577	188,033
Quebec .....	98	3,621	10,834,252	509,159	15,362,693	44,142,988
Ontario .....	92	3,657	10,469,491	294,223	14,570,804	47,172,579
Manitoba .....	9	135	306,412	11,667	544,425	1,633,309
British Columbia .....	9	47	106,209	4,358	141,554	322,128
New Brunswick .....	1	} 6	7,990	1,120	13,330	35,071
Alberta .....	2					
<b>Canada .....</b>	<b>217</b>	<b>7,492</b>	<b>21,758,651</b>	<b>822,438</b>	<b>30,716,172</b>	<b>93,557,168</b>

TABLE 3. Products Made in the Medicinal and Pharmaceutical Preparations Industry, 1952 and 1953

Product	Value of factory shipments	
	1952	1953
	\$	\$
Medicines and pharmaceuticals:		
Registered as patent medicines and sold without all ingredients declared.....	17,598,085	18,560,574
Antibiotics and preparations:		
Penicillin preparations .....	3,169,057	2,919,078
Streptomycin preparations .....	93,373	127,865
Penicillin-streptomycin combinations .....	573,586	1,172,035
Other antibiotics and preparations thereof <sup>2</sup> .....	4,371,364	5,180,935
Sex hormones .....	2,502,689	2,254,608
Sulphonamide (sulpha) preparations with or without other active ingredients.....	1,203,961	1,235,853
Vitamins and preparations:		
Vitamins in bulk .....	<sup>3</sup>	<sup>3</sup>
Vitamin preparations in which the principal active ingredients are vitamins .....	12,728,461	12,282,451
Biologicals and vaccines .....	3,814,863	3,267,902
Oral antiseptics .....	712,879	721,611
Ethical specialties for human use, not elsewhere specified .....	27,367,971	28,840,795
All other human medicines .....	5,394,467	8,301,528
Veterinary medicines .....	1,079,273	1,525,415
Disinfectants.....	95,677	138,662
Insecticides.....	433,276	476,912
Flavouring extracts .....	449,677	495,673
Toilet preparations.....	3,821,463	3,672,808
All other products <sup>1</sup> .....	2,612,265	2,382,463
<b>Total.....</b>	<b>88,022,387</b>	<b>93,557,168</b>

1. Includes soap, packaged goods, fountain supplies and syrup and other such articles.

2. Includes penicillin, streptomycin and other antibiotics as well as antibiotic preparations not elsewhere specified.

3. Included with "All other human medicines".

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. For the total Canadian output of medicinal products see Table 5.

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry, 1952 and 1953

Material	Unit of measure	1952		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Acetanilid .....	lb.	8,332	4,418	7,615	3,610
Acetic acid (as 99½%).....	"	44,749	6,310	44,700	5,307
Acetone .....	"	825,024	98,937	1,380,508	142,952
Acetylsalicylic acid .....	"	683,233	443,681	717,862	421,971
Benzoic acid.....	"	7,132	4,139	29,854	17,585
Boric or boracic acid.....	"	179,325	18,915	165,190	17,261
Chalk, ground .....	"	55,496	3,622	56,400	3,095
Chalk, precipitated .....	"	357,618	16,055	516,093	19,862
Citric acid.....	"	807,417	228,227	706,316	194,596
Bismuth metal.....	"	51,479	118,866	15,753	35,797
Bismuth salts .....	"	15,947	56,286	15,108	51,466
Caffeine.....	"	22,294	94,582	25,973	72,725
Camphor.....	"	41,029	28,888	58,757	32,851
Castor oil .....	"	80,720	28,544	64,758	17,469
Cod liver oil .....	"	365,477	103,575	382,518	103,499
Essential oils.....	—	—	249,238	—	231,040
Ether, sulphuric .....	lb.	76,971	18,558	56,407	13,411
Ethyl alcohol (including tax) .....	Imp. gal.	259,681	580,012	245,834	542,206
Gelatine capsules (for use in compounding) .....	—	—	315,403	—	340,275
Glucose .....	lb.	714,849	62,264	697,885	53,938

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry, 1952 and 1953 - Concluded

Material	Unit of measure	1952		1953	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Glycerine, refined .....	lb.	852,379	387,149	1,163,677	571,254
Gums - Arabic .....	"	92,320	21,113	110,545	19,329
Karoya .....	"	105,851	32,374	106,305	25,937
Other .....	"	22,777	31,807	36,305	25,968
Iodine, crude .....	"	73,769	127,670	102,515	159,538
Herbs, roots and vegetable drugs:					
Raw or crude (ground or milled) .....	-	-	345,932	-	207,031
Extracts (powders and liquids) .....	-	-	115,730	-	180,251
Hydrochloric acid .....	lb.	45,139	5,957	76,193	4,373
Isopropyl alcohol .....	"	245,214	29,005	314,686	36,498
Lanolin .....	"	66,725	22,869	79,410	33,401
Magnesium sulphate (Epsom salts) .....	"	1,243,043	43,878	1,297,042	43,943
Malt extract .....	"	566,856	68,082	463,652	64,505
Menthol .....	"	15,483	113,417	25,568	128,902
Mercury metal .....	"	25,864	66,141	46,487	111,624
Methyl alcohol (methyl hydrate) .....	Imp. gal.	63,672	63,042	66,589	44,051
Mineral oil, white .....	lb.	1,509,196	176,588	1,331,867	173,217
Nitric acid, 42° .....	"	160,858	12,116	70,983	5,930
Paradichlorobenzene .....	"	177,311	24,385	180,564	23,773
Penicillin .....	-	-	945,548	-	431,804
Petroleum jelly .....	lb.	867,676	84,057	948,367	88,961
Phenacetin .....	"	112,229	139,140	139,585	162,364
Phenobarbital and other barbiturates .....	"	36,175	222,573	27,260	152,795
Phenol (carbolic acid) .....	"	5,333	2,863	8,718	4,666
Potassium iodide .....	"	29,567	62,470	25,923	48,740
Potassium sodium tartrate (Rochelle salt) .....	"	19,257	6,120	14,688	4,313
Pyrethrum .....	"	1,607	976	1,735	1,008
Silver bullion .....	troy oz.	267,133	225,989	309,822	260,687
Sodium bicarbonate .....	lb.	1,541,167	49,684	1,612,030	50,360
Sodium bromide .....	"	48,599	19,065	50,605	17,319
Sodium hydroxide .....	"	913,626	20,442	2,962,598	53,507
Sodium salicylate .....	"	22,992	12,146	21,846	11,406
Sodium sulphate .....	"	49,011	4,478	39,934	4,657
Starch .....	"	559,984	49,898	710,363	56,199
Stearic acid .....	"	365,532	52,147	400,463	51,913
Sulpha drugs .....	-	-	537,781	-	471,524
Sulphur .....	lb.	66,125	3,614	48,707	2,981
Sugar .....	"	4,000,659	360,427	4,095,047	342,913
Talc .....	"	613,624	24,027	642,747	27,151
Tartaric acid .....	"	482,605	188,330	559,323	169,294
Vitamins - A .....	-	-	319,220	-	301,937
B <sup>1</sup> (thiamin chloride) .....	-	-	230,571	-	223,843
B <sup>2</sup> (riboflavin) .....	-	-	176,270	-	318,838
C (ascorbic acid) .....	-	-	316,307	-	408,349
D .....	-	-	16,038	-	16,357
Wax - Beeswax .....	lb.	37,731	30,429	43,824	33,449
Paraffin .....	"	36,205	4,302	30,841	3,351
Other waxes .....	"	66,675	39,215	74,045	43,968
Bottles, boxes, labels, etc., and packing materials	-	-	9,246,136	-	9,926,283
All other materials and process supplies .....	-	-	9,792,091	-	12,844,614
<b>Total</b> .....	-	-	<b>27,350,129</b>	-	<b>30,716,172</b>

TABLE 5. Production<sup>1</sup>, Imports and Exports of Medicinal and Pharmaceutical Preparations, 1944-1953

Year	Production (selling value at factory)	Imports	Exports
	\$	\$	\$
1944 .....	43,359,452	7,644,786	4,255,536
1945 .....	46,248,763	9,440,067	5,739,853
1946 .....	54,323,766	9,370,879	5,342,618
1947 .....	55,753,900	11,653,203	4,399,614
1948 .....	55,941,783	13,163,602	3,200,398
1949 .....	64,816,801	14,828,906	3,885,464
1950 .....	69,324,508	18,629,297	4,297,654
1951 .....	82,131,000	22,427,000	6,037,000
1952 .....	81,432,000	21,780,000	5,088,000
1953 .....	87,098,000	22,417,000	5,659,000

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

TABLE 6. Imports into Canada and Exports of Medicinal and Pharmaceutical Preparations, 1952 and 1953

	Unit of measure	1952		1953	
		Quantity	\$	Quantity	\$
(a) Imports					
Caffeine, and salts of .....	lb.	17,984	54,679	47,218	109,421
Cocaine .....	oz.	1,248	14,314	2,081	23,266
Codeine, and salts of .....	"	78,654	456,946	69,599	373,986
Morphine .....	"	5,171	34,782	5,286	32,209
Opium .....	lb.	135	2,243	215	2,977
Quinine, salts of .....	oz.	49,962	20,971	43,323	15,835
Strychnine, and salts of .....	"	2,065	2,352	18,327	15,930
Preparations or chemicals, weed-killing .....	-	-	2,530,794	-	3,013,586
Nicotine, salts of nicotine; preparations containing nicotine in a free or combined state, for dipping, spraying or fumigating, n.o.p. ....	lb.	114,561	112,103	137,488	115,163
Chloropicrin, ethylene oxide, methyl bromide, methyl formate, cyanides, carbon bisulphide, or mixture containing any of these, for combating destructive insects or pests .....	-	-	673,563	-	124,933
Preparations or chemicals, non-alcoholic, such as are used for disinfecting, dipping, spraying or fumigating, when in packages not exceeding three pounds each in weight .....	-	-	447,012	-	500,314
Preparations or chemicals, non-alcoholic, for disinfecting, dipping, spraying or fumigating, n.o.p., or manufacturing the same .....	-	-	5,594,013	-	5,992,140
Medicinal, chemical and pharmaceutical preparations including proprietary preparations, dry .....	-	-	6,674,248	-	5,802,154
Medicinal, chemical and pharmaceutical preparations including proprietary preparations, liquid, when containing not more than 2½% of proof spirit .....	-	-	1,423,679	-	1,452,168
Medicinal, chemical and pharmaceutical preparations including proprietary preparations, all other .....	-	-	85,974	-	92,676

**TABLE 6. Imports into Canada and Exports of Medicinal and Pharmaceutical Preparations, 1952 and 1953 - Concluded**

	Unit of measure	1952		1953	
		Quantity	\$	Quantity	\$
<b>(a) Imports - Concluded</b>					
Medicinal or medicated wines, containing not more than 40% of proof spirit.....	-	-	-	-	-
Menthol, natural or synthetic.....	-	-	192,678	-	179,541
Papaine.....	-	-	51,106	-	59,223
Spirits and strong waters of any kind, mixed with any ingredient or ingredients, and being known or designated as anodynes, elixirs, tinctures or medicines, n.o.p.....	gal.	23,295	183,808	12,873	105,183
Non-alcoholic extract of cascara sagrada.....	-	-	13,591	-	19,721
Penicillin, and products of.....	-	-	2,298,434	-	1,345,408
Streptomycin, and products of.....	-	-	390,349	-	285,049
Sulpha drugs.....	-	-	522,574	-	764,326
Antibiotics, n.o.p.....	-	1	1	-	1,992,042
<b>Total imports</b> .....	-	-	<b>21,780,213</b>	-	<b>22,417,251</b>
<b>(b) Exports</b>					
Dipping, spraying and insecticide compounds.....	-	-	224,126	-	56,263
Penicillin, and products of.....	-	-	659,458	-	1,027,204
Streptomycin, and products of.....	-	-	997,136	-	806,977
Medicinal and proprietary preparations.....	-	-	3,207,229	-	3,768,661
<b>Total exports</b> .....	-	-	<b>5,087,949</b>	-	<b>5,659,105</b>

Note. "n.o.p." means "not otherwise provided for" in the statistical classification.

1. Not available separately.

**TABLE 7. Employees and Their Earnings in the Medicinal and Pharmaceutical Preparations Industry, 1952 and 1953**

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
<b>1952</b>								
Quebec.....	1,007	737	1,052	828	3,624	6,408,769	3,974,844	10,383,613
Ontario.....	585	652	1,097	1,268	3,602	4,442,603	3,181,503	9,624,106
Manitoba.....	24	30	49	51	154	132,579	201,862	334,441
British Columbia.....	14	5	10	17	46	56,544	42,487	99,031
Other provinces.....	9	4	10	8	31	20,011	20,671	40,682
<b>Canada</b> .....	<b>1,639</b>	<b>1,428</b>	<b>2,218</b>	<b>2,172</b>	<b>7,457</b>	<b>11,060,506</b>	<b>9,421,367</b>	<b>20,481,873</b>
<b>1953</b>								
Quebec.....	982	724	1,087	828	3,621	6,294,854	4,539,398	10,834,252
Ontario.....	596	716	1,081	1,264	3,657	4,787,389	5,682,102	10,469,491
Manitoba.....	21	24	45	45	135	123,030	183,382	306,412
British Columbia.....	15	5	9	18	47	62,632	43,577	106,209
Other provinces.....	10	4	9	9	32	20,378	21,909	42,287
<b>Canada</b> .....	<b>1,624</b>	<b>1,473</b>	<b>2,231</b>	<b>2,164</b>	<b>7,492</b>	<b>11,288,283</b>	<b>10,470,368</b>	<b>21,758,651</b>

TABLE 8. Capital and Repair Expenditures in the Medicinal and Pharmaceutical Preparations Industry, 1949-1953

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
				\$'000			
1949 .....	607	1,202	1,809	297	611	908	2,717
1950 .....	273	1,110	1,383	262	546	808	2,191
1951 .....	1,047	1,745	2,792	333	728	1,061	3,853
1952 .....	535	1,728	2,263	342	799	1,141	3,404
1953 <sup>1</sup> .....	583	1,212	1,795	394	1,142	1,536	3,331

1. Preliminary.

TABLE 9. Fuel and Electricity Used<sup>1</sup> in the Medicinal and Pharmaceutical Preparations Industry, 1948 and 1953

Kind	Unit of measure	1948		1953	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal:					
Canadian .....	ton	924	12,056	1,181	16,037
Imported .....	"	13,216	150,411	11,891	146,737
Anthracite coal .....	"	2,950	38,198	537	7,869
Lignite coal .....	"	752	3,657	714	4,118
Coke .....	"	8	160	3	67
Gasoline .....	Imp. gal.	102,174	38,234	174,328	72,557
Kerosene .....	"	723	141	6,016	1,086
Fuel oil .....	"	2,099,635	254,147	2,616,681	276,275
Gas:					
Liquified petroleum gases (propane, etc.) .....	Imp. gal.	2	2	1,807	950
Manufactured .....	M cu. ft.	14,238	15,861	13,000	16,983
Natural .....	"	2,344	2,073	1,352	1,425
Wood .....	cord	105	891	20	240
Other fuel .....	-	-	2,146	-	3,921
Electricity purchased .....	k.w.h.	14,679,207	176,514	25,327,750	274,173
<b>Total .....</b>	-	-	<b>694,489</b>	-	<b>822,438</b>

1. Details shown in Tables 9 and 10 are collected only every five years; accordingly, data for intervening years are not available.

2. Not available separately.



TABLE 10. Power Equipment<sup>1</sup>, 1948 and 1953

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
<b>1948</b>				
Steam engines .....	8	100	3	90
Gasoline engines .....	—	—	5	19
<b>Total primary</b> .....	<b>8</b>	<b>100</b>	<b>8</b>	<b>109</b>
Electric motors operated by purchased power .....	4,520	8,791	152	429
<b>Total</b> .....	<b>4,528</b>	<b>8,891</b>	<b>160</b>	<b>538</b>
Stationary power boilers .....	30	3,528	3	450
Motor-generator sets .....	1	75 k.v.a.	1	75 k.v.a.
<b>1953</b>				
Steam engines .....	1	10	5	160
Gasoline engines .....	—	—	4	18
<b>Total primary</b> .....	<b>1</b>	<b>10</b>	<b>9</b>	<b>178</b>
Electric motors operated by purchased power .....	6,873	11,456	306	641
<b>Total</b> .....	<b>6,874</b>	<b>11,466</b>	<b>315</b>	<b>819</b>
Stationary power boilers .....	8	945	3	1,745
Motor-generator sets .....	2	77 k.v.a.	2	30 k.v.a.

1. See footnote to Table 9.

## Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1953

Name of firm	Location of plant
<b>Newfoundland:</b>	
Lilly, A. ....	66 Water St., St. John's
McMurds, T., Co. Ltd. ....	210 Water St., St. John's
Stafford, Dr. F., & Son Ltd. ....	166 Duckworth St., St. John's
<b>Nova Scotia:</b>	
Gates, C., Son & Co., Limited. ....	Middleton
Minards Liniment Co. Ltd. ....	4 Jenkins St., Yarmouth
Row & Company .....	Parrsboro
<b>New Brunswick:</b>	
Baird Co. Ltd., The .....	66 King St., Woodstock
<b>Quebec:</b>	
Abbott Laboratories Limited .....	1350 Cote de Liesse Road, Outremont
Abbey Effervescent Salt Co., The .....	286 St. Paul St. W., Montreal
Accurate Mfg. Chemists Inc. ....	2625 Albert St., Montreal
Andal Laboratories Ltd. ....	St. Romuald
Anglo-French Drug Co. Ltd. ....	209 St. Catherine St. E., Montreal
Arex Co. (Reg'd.), The .....	253 Wolfe St., Lauzon
Astan Chemical Co. Reg'd. ....	1555 St. Zotique St. E., Montreal
Ayerst, McKenna & Harrison, Limited. ....	Montée St-Laurent, St-Laurent
Bliss, Alonzo O., Medical Co., The .....	434 St. Helen St., Montreal
Briston Laboratories of Canada Ltd. ....	286 St. Paul St. West, Montreal
Bristol-Myers Co. of Canada Ltd. ....	3035 St. Antoine St., Westmount
Burroughs, Wellcome & Co. ....	60 Riverview Ave., Ville La Salle
Brunet, W., & Cie, Ltée .....	70 de la Chapelle, Quebec
Canada Drug Co. (Reg'd.) .....	857 St. Maurice St., Montreal
Casgrain & Charbonneau Ltd. ....	445 St. Lawrence Blvd., Montreal
Chesebrough Mfg. Co. Consolidated .....	5520 Chabot Ave., Montreal
Ciba Co., Ltd. ....	1235 McGill College Ave., Montreal
Cie des Produits Biologiques Europa Ltd. ....	397 St. Joseph Blvd. W., Montreal
Cie des Produits Homah Inc. ....	803 Rachel St. E., Montreal
Cie Paula Ltée, La .....	21 St. Paul St. E., Montreal
Compagnie J. L. Mathieu Ltée .....	14 Albert St., Sherbrooke
Compagnie Pharmed Limitée .....	108 St. Paul St. W., Montreal
Compagnie Sorex Ltée, La .....	175 Third Ave., Quebec

## Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1953 - Continued

Name of firm	Location of plant
<b>Quebec - concluded:</b>	
Coopérative Farex Ltée.....	406 Notre Dame St. East, Montreal
Corporation Pharmaceutique Française, Ltée.....	200, rue Valée, Montréal
Daillac Ltée.....	1405 Bishop St., Montreal
Dairy Association Reg'd.....	Rock Island
Daniels, Dr. A.C., Co. of Canada, Ltd.....	Victoria Ave., Knowlton
Davis & Lawrence Company (Canada) Ltd.....	845 Chatham, Montreal
Delmar Chemicals Limited.....	50 Victoria St., Lachine
Denver Chemical Mfg. Co.....	286 St. Paul St. W., Montreal
Desautels Laboratories Ltd.....	200 Craig St. W., Montreal
Desbergers Limited.....	8490 St. Lawrence Blvd., Montreal
Dohow Chemical Co. Ltd., The.....	704 Notre Dame St. W., Montreal
Ex-Lax Limited.....	736 Notre Dame St. W., Montreal
Familex Products Ltd.....	1600 Delorimier St., Montreal
Fellows Medical Mfg. Co. Ltd.....	286 St. Paul 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., Succession.....	1405 Maisonneuve St., Montreal
Harris, J.A., Limited.....	4510 De la Roche St., Montreal
Herbo Remedies Reg'd.....	3718 St. Denis St., Montreal
Hervay Remedies Ltd.....	St. Basile
Horner, Frank W., Ltd.....	5485 Ferrier St., Montreal
Kress & Owen Co. of Canada Ltd.....	425 River St., Montreal
Laboratoire Bilphen Laboratory Inc.....	2650 Beaubien St. E., Montreal
Laboratoire Du, Cheptel Ltée.....	Beloelil
Laboratoire Demers Engg.....	414, rue St-Jean, Québec
Laboratoire Lancet Ltée.....	1290 St. Denis, Montreal
Laboratoire Dr. Léo Lorrain, Ltée.....	203 Place Youville, Montréal
Laboratoire Merois Limitée.....	29 Chemin D'Oka, St-Eustache sur le Lac
Laboratoire Martel.....	6201 Christophe Colomb St., Montreal
Laboratoire Montphar.....	2420 Notre Dame St. E., Montreal
Laboratoire Nadeau Limitée.....	100 St. Paul St. W., Montreal
Laboratoire Octo. Ltée.....	8725 Lajeunesse, Montreal
Laboratoire Ortho Medico Engg.....	1647 Fleury St. E., Montreal
Laboratoire Pasteur Ltée.....	71 Edouard Laurin, Montreal
Laboratoires St. Hubert Ltée.....	6631, rue St-André, Montréal
Laboratoire Vincent Inc.....	999, ave de Salaberry, Montréal
Lacrois, F.X.....	62, rue St-Joseph ouest, Québec
Les Remèdes Faguet Engg.....	15 Dessane, Lauzon
Lambert, Dr. J.O., Limitée.....	2234 St. Antoine St., Montreal
Laurentian Laboratories, Ltd.....	442 St. Gabriel St., Montreal
Leeming Miles Co. Ltd., The.....	6550 Upper Lachine Rd., Montreal
Mallinckrodt Chemical Works Limited.....	425 St. Patrick St., Ville La Salle
Matol Research Ltd.....	130 St. John St., Quebec
Medicolab Inc.....	200 Craig St. W., Montreal
Menley & James Ltd. of Canada.....	5105 Cote de Liesse Rd., Montreal
Merck & Co. Ltd., (2 plants).....	560 De Courcelles St., Montreal, and Valleyfield
Metro Drug Ltd.....	7519 Boyer St., Montreal
Morin, L.A., & Cie Ltée.....	111 Côte de la Montagne, Québec
Mothersill Remedy Co. Ltd., The.....	1410 Stanley St., Montreal
Mowatt & Moore, Limited.....	64 Prince St., Montreal
Nordic Biochemicals Ltd.....	4324 St. Lawrence Blvd., Montreal
North American Cyanamid Ltd.....	5550 Royalmount Ave., Montreal
Pertussin Limited.....	250 St. Zotique St. W., Montreal
Pharmalac Trading Ltd.....	1206 Craig St. E., Montreal
Polson, N.C., & Co. Ltd.....	651 Notre Dame St. W., Montreal
Poulenc Limitée.....	204 Place Youville, Montréal
Produits Elca Engg.....	4150 Wellington St., Verdun
Produits Gardo Ltée.....	77, rue Principale, Waterloo
Produits Populex Ltée.....	4522 De-la-Roche, Montréal
Pratt, Arthur N.....	1391 Parc Lafontaine, Montreal
Rawleigh, W.T., Co. Ltd., The.....	4005 Richelieu St., Montreal
Rosemont Chemicals.....	3801 Masson St., Montreal
Rougier Frères Cie Inc.....	350 LeMoyne, Montreal
St. Germain, Les Médicaments.....	411 Laurier St. E., Montreal
Sirois, Dr. N.A., Engg.....	Ste-Anne de la Pocatière
Schering Corporation Ltd.....	137 St. Peter St., Montreal
Smith-Kline and French Inter-America Corp.....	300 Laurentian Blvd., Ville St. Laurent
Societe D'Expansion Pharmaceutique Inc.....	1361 Notre Dame St. E., Montreal
Squibb, E.R., & Sons of Canada Ltd.....	2245 Viau St., Montreal
Strong Cobb of Canada Ltd.....	388 St. Paul St. West, Montreal
Usines Chimiques du Canada.....	1338 Lagachetière est, Montréal
Watkins, J.R., Co., The.....	350 St. Roch St., Montreal
Wingate Chemical Co. Ltd., The.....	378 St. Paul St. W., Montreal

## Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1953 - Continued

Name of firm	Location of plant
<b>Ontario:</b>	
Accurate Laboratories.....	186½ King St., London
Allen & Hamoury's Co. Ltd., The.....	Eaton Rd., Toronto
Alpa Co.....	278 Queen St. West, Toronto
Anglo-Canadian Drug Co. Ltd.....	99 Simcoe St. S., Oshawa
Arner Co. Ltd., The.....	30 Niagara St., Fort Erie North
Austin Laboratories Ltd.....	Guelph
Baxter Laboratories of Canada Ltd.....	Willow St., Acton
Bell-Craig Limited.....	270 Parliament St., Toronto
Bell, Dr., Wonder Medicine Co.....	108 Clarence St., Kingston
Brent Laboratories Ltd.....	62 Avenue Rd., Toronto
British Drug House (Canada) Ltd.....	Barclay Ave., Queensway, Toronto
Bromo-Seltzer Limited.....	1266 Queen St. W., Toronto
Buckley, W.K., Ltd.....	559 College St., Toronto
Canada Pharmacal Company Limited.....	447 Talbot St., London
Canada Representatives Ltd.....	193-195 Spadina Ave., Toronto
Carter Products, N.S., Inc.....	358 Adelaide St. W., Toronto
Caulk, L.D., Co. of Canada, Ltd., The.....	172 John St., Toronto
Chase, Dr. A.W., Medicine Co. Ltd.....	Oakville
Comstock, W.H., Co. Ltd.....	11 Courthouse Ave., Brockville
Connaught Laboratories.....	University of Toronto, Toronto
Cleveland's Drug Ltd.....	2299 Dundas St. W., Toronto
Cress Laboratories, The.....	1680 King St. E., Kitchener
Cressy, John R., Co.....	153 Sheridan Ave., Toronto
Cummings, Charles C., & Company.....	2107 Dundas St. W., Toronto
Druggists' Corporation, Limited.....	107-9 Duke St., Toronto
Eaton, T., Drug Co. Ltd., The.....	190 Yonge St., Toronto
Fine Chemicals of Canada Limited.....	124 Pharmacy Ave., Toronto
Fleming Brothers Ltd.....	Picton
Foster Dack Co. Ltd.....	337 King St. W., Toronto
Galt Chemical Products Ltd.....	Corner Beverly and Kerr Sts., Galt
Hanford, C.C., Mfg. Co. Ltd.....	Kingston Rd. W., Brockville
Hartz, J.F., Co. Ltd., The.....	32 Grenville St., Toronto
Home-Makers Products (Canada) Ltd.....	36 Caledonia Rd., Toronto
Ingram & Bell Ltd.....	256 McCaul St., Toronto
Jamieson, C.E., & Co. (Dominion) Ltd.....	414 Sandwich W., Windsor
Koegler Laboratories.....	22 McDougall Ave., Waterloo
Lambert Pharmacal Company (Canada) Limited.....	2000 Eglinton Ave. E., Toronto
Lavoris Chemical Co. Ltd.....	92 Jarvis St., Toronto
Lilly, Eli, and Company, Canada, Ltd.....	3650 Danforth Ave., Toronto
Lograsso, P.....	464 Winona Drive, Toronto
Luscoe Products Limited.....	559 Bathurst St., Toronto
Marlatt, G.W., & Company.....	73 Nipigon, Newtonbrook
Marz Laboratories Ltd.....	673 Caron Ave., Windsor
Mentholatum Inter-American Inc., The.....	20 Lewis St., Fort Erie N.
Merrell, Wm. S., Co.....	178 Talbot St., St. Thomas
Milburn, T., Co. Ltd., The.....	643 King St. W., Toronto
Miles Laboratories Ltd.....	1010 Dufferin St., Toronto
Moore-Thompson-Clinger Ltd.....	153 King William St., Hamilton
Mulveny's, R.L., Remedies Ltd.....	211 Ossington Ave., Toronto
Nivea Pharmaceuticals Limited.....	253 Spadina Rd., Toronto
Noble, Wilfred, Ltd.....	169 Glen Rd., Toronto
Northrop & Lyman Co. Ltd.....	462-66 Wellington St. W., Toronto
Norwich Pharmacal Co., Ltd.....	107 Atlantic Ave., Toronto
Novocol Chemical Mfg. Co. of Canada, Ltd.....	11 Grenville St., Toronto
Noxema Chemical Co. of Canada, Ltd., The.....	77 Park Lawn Road, Toronto
Ortho Pharmaceutical Corp. (Canada) Limited.....	1131 Bloor St. W., Toronto
Ottway, C., Ltd.....	514 Danforth Ave., Toronto
Parke, Davis & Co. Ltd.....	Sandwich St., Windsor
Parke and-Parke Ltd.....	18 Market Square, Hamilton
Penslar Co., The.....	325 Devonshire Road, Walkerville
Pharmo Products Ltd.....	2A Ellerbeck St., Toronto
Pinex Co., The.....	482 Wellington St. W., Toronto
Pinkham, Lydia E., Medicine Co.....	University Ave., Cobourg
Powell, H., Chemical Co. Ltd., The.....	1 Lambert St., Bowmanville
Private Brand Packagers Limited.....	43 Hollinger Rd., Toronto
Procol Mfg. Co. Ltd.....	310 Bloor St. W., Toronto
Queduc Remedies.....	46 Ware St., Peterborough
Rexall Drug Company Limited.....	68 Broadview Ave., Toronto
Ritchie, Harold F., & Company Ltd.....	1860 Wilson Ave., Weston
Robert's Biological Laboratory Ltd.....	331 Bartlett Ave., Toronto
Rolls & Darlington Ltd.....	419 Coxwell Ave., Toronto
Rundle, Geo. H., & Son Co. Ltd., The.....	Pitt St. and Dougal Ave., Windsor
Saunders, W.E., Ltd.....	186 King St., Windsor
Scherer, R.P., Ltd.....	1370 Argyle Road, Windsor



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Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1953 - Concluded

Name of firm	Location of plant
<b>Ontario - concluded:</b>	
Shaw Laboratories .....	Omeme
Shuttleworth, E.E., Ltd. ....	525 Logan Ave., Toronto
Sharp & Dohme (Canada) Ltd. ....	1100 O'Connor Drive, Toronto
Siroil of Canada Ltd. ....	152 Pitt St. W., Windsor
Standard Tabletting Company, Div. of Spice Craft Ltd. ....	35 Lucy Ave., Toronto
Sterling Drug Mfg. Ltd. ....	1019 Elliott St. W., Windsor
Stevens, J., & Son, Co. Ltd. ....	145 Wellington St. W., Toronto
Supreme Drug Ltd. ....	36 Northline Rd., Toronto
Suteliffe & Eingham of Canada, Ltd. ....	1 Niagara St., Toronto
Sybilla Spahr Medicine Co. ....	146 Duke St. E., Kitchener
Templetons Limited .....	56 Colborne St., Toronto
Vick Chemical Inc. ....	180 Talbot St., St. Thomas
Wampole, Henry K., & Co. Ltd. ....	Perth
Warner, Wm. R., & Co. Ltd. ....	727 King St. W., Toronto
Webber Pharmaceuticals Ltd. ....	393 Weston Rd., Toronto
West, Ernest P. ....	25 Davenport Road, Toronto
Will, Charles R., & Co. Ltd. ....	571 Richmond St. N., London
Wood, W. Lloyd, Ltd. ....	64 Gerrard St. E., Toronto
Wyeth, John, & Bro. (Canada) Ltd. ....	2109 Ottawa St., Windsor
<b>Manitoba:</b>	
Lonzoe Products .....	50 Gertie St., Winnipeg
Dominion Chemical Laboratories .....	44 Austin St., Winnipeg
Fahrney, Dr. Peter, & Sons Co. ....	256 Stanley St., Winnipeg
Jay's Products .....	705 Selkirk Ave., Winnipeg
Kleerex Mfg. Co. ....	203 Kennedy St., Winnipeg
National Drugs Ltd. ....	576 McDermot St., Winnipeg
Rawleigh, W.T., Co Ltd., The .....	589 Henry Ave., Winnipeg
Watkins, J.F., Co., The .....	Annabella and E. Higgins Sts., Winnipeg
Dr. White Medicine Co. Ltd. ....	1380 Notre Dame Ave., Winnipeg
<b>Alberta:</b>	
Harris Wondro Limited .....	1742-10th Ave. West, Calgary
McIntyre, John C. ....	10022-102nd Street, Edmonton
<b>British Columbia:</b>	
Diva Laboratories Ltd. ....	Saanichton
Duosal Products Ltd. ....	1006 Government St., Victoria
Kent Chemicals Ltd. ....	1292 Franklin St., Vancouver
Nephron Agency of Canada .....	3477 Kingsway, Vancouver
Nu Life Remedies Co. ....	3074 Shelbourne, Victoria
Pacific Pharmaco Co. Ltd. ....	144 Water St., Vancouver
Palfenier, J.C. ....	1817 McSpadden, Vancouver
Urist Chemical Laboratories .....	696 Clark Drive, Vancouver
Western Wholesale Drug Ltd. ....	456 Broadway West, Vancouver