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THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY

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NOTICE

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
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada
 - Section B. Atlantic Provinces
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 - Section D. Ontario
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- III – Foods and Beverages
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- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

The present report belongs in Part XVIII, 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
- B – The Acids, Alkalies and Salts Industry
- C – The Fertilizers Industry
- D – The Fertilizer Trade in Canada
- E – The Medicinal and Pharmaceutical Preparations Industry
- F – The Paints, Varnishes and Lacquers Industry
- G – The Primary Plastics Industry
- H – The Soaps, Washing Compounds and Cleaning Preparations Industry
- I – The Toilet Preparations Industry
- J – The Vegetable Oils Industry
- K – The Inks Industry
- L – The Adhesives Industry
- M – The Polishes and Dressings Industry
- N – The Compressed Gases Industry
- O – The Coal Tar Distillation Industry
- P – The Miscellaneous Chemical Products Industry

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY

1957

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 \$140,092,919 in 1957, an increase of 14.3 per cent over the comparable figure of \$122,592,220 in 1956.

Of the 207 factories in this group in 1957, 91 were located in Ontario, 88 in Quebec, 13 in British Columbia, 7 in Manitoba, 3 in Newfoundland, 1 in Nova Scotia, 3 in New Brunswick and 1 in Alberta. The total number of employees in 1957 was 8,146 compared with 7,801 in the previous year and payments in salaries and wages amounted to \$28,656,116 as against \$25,953,213 in 1956. Plants in Ontario accounted for 53 per cent of the Canadian output, while concerns in Quebec produced 45 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 \$126,297,000 in 1957 compared with \$110,002,000 in 1956 and \$100,878,000 in 1955.

Note. Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 1. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, Significant Years 1929-57, and by Provinces, 1956 and 1957

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture ¹	Gross selling value of products ¹
	number				dollars		
1929	140	2,849	3,672,373	110,065	6,300,894	12,627,935	19,038,894
1933	158	3,169	3,850,928	130,616	5,774,391	11,158,842	17,063,849
1937	174	4,296	5,311,120	175,551	8,808,929	15,830,167	24,814,647
1939	174	4,388	5,906,891	199,899	9,804,525	17,179,838	27,184,262
1945	204	8,329	12,707,220	410,717	22,941,566	36,978,645	60,330,928
1946	201	7,670	12,832,173	440,585	23,163,222	43,446,027	67,049,834
1949	218	7,658	16,116,592	593,187	22,900,555	48,008,393	71,502,135
1953	217	7,492	21,758,651	822,438	30,716,172	62,018,558	93,557,168
1954	216	7,380	22,648,147	864,899	31,257,738	66,414,045	97,395,558
1955	210	7,629	23,937,050	871,026	33,819,677	72,703,379	108,121,734
1956							
Newfoundland	3	25	35,193	1,895	86,819	203,359	289,612
Nova Scotia	2						
Quebec	92	3,779	12,999,651	529,073	18,756,187	38,143,690	57,691,174
Ontario	94	3,832	12,455,088	374,654	18,312,022	43,728,281	62,579,445
Manitoba	7	112	311,103	11,385	572,863	896,075	1,466,347
British Columbia	11	48	144,378	5,776	266,514	306,591	527,066
New Brunswick	2	5	7,800	1,230	15,070	22,276	38,576
Alberta	1						
Canada	212	7,801	25,953,213	924,013	38,009,475	83,300,272	122,592,220
1957							
Newfoundland	3	21	36,900	1,890	86,560	191,896	279,043
Nova Scotia	1						
Quebec	88	4,009	14,647,664	633,326	20,677,897	42,082,965	62,921,136
Ontario	91	3,935	13,479,975	410,472	20,831,461	53,800,483	74,871,239
Manitoba	7	117	316,050	18,785	503,735	890,782	1,467,575
British Columbia	13	55	156,527	6,205	225,359	287,161	517,926
New Brunswick	3	9	19,000	1,100	11,500	23,400	36,000
Alberta	1						
Canada	207	8,146	28,656,116	1,071,798	42,336,512	97,276,687	140,092,919

¹ See footnote to text.

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. Inventories,¹ 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Newfoundland and Nova Scotia	46,279	1,112	12,976	60,367
Quebec	5,356,392	3,198,327	3,289,739	11,844,458
Ontario	5,328,773	3,507,072	5,765,101	14,600,946
Manitoba	251,663	19,612	229,797	501,072
British Columbia	143,281	11,415	71,893	226,589
New Brunswick and Alberta	—	—	—	—
Canada	11,126,388	6,737,538	9,369,506	27,233,432
Closing:				
Newfoundland and Nova Scotia	36,527	1,265	14,126	51,918
Quebec	5,433,150	3,321,748	3,639,370	12,394,268
Ontario	5,740,087	3,333,513	6,109,838	15,183,438
Manitoba	212,936	23,153	171,983	408,072
British Columbia	153,645	7,755	76,352	237,752
New Brunswick and Alberta	—	—	—	—
Canada	11,576,345	6,687,434	10,011,669	28,275,448

¹ (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Medicinal and Pharmaceutical Preparations Industry for the year under review are shown in the above table.

(c) The opening inventory for 1957 does not necessarily agree with the closing inventory for 1956 because of revisions such as the addition of new plants, the transfer of plants to other industries and plants going out of business. However, the value added figures for the previous year have not been recalculated to allow for the revisions mentioned above.

TABLE 3. Products Made in the Medicinal and Pharmaceutical Preparations Industry, 1956 and 1957

Product	Value of factory shipments	
	1956	1957
	dollars	
Medicines and pharmaceuticals:		
Registered as patent medicines and sold without all ingredients declared	20,636,147	22,325,936
Antibiotics and preparations:		
Penicillin preparations	2,956,332	3,436,242
Streptomycin preparations	136,274	299,123
Penicillin-streptomycin combinations	1,076,195	1,260,686
Other antibiotics and preparations thereof ¹	8,593,450	11,353,601
Sex hormones	2,547,135	2,746,212
Sulphonamide (sulpha) preparations with or without other active ingredients	1,983,204	2,388,362
Vitamins and preparations:		
Vitamins in bulk	²	²
Vitamin preparations in which the principal active ingredients are vitamins	14,138,965	15,750,425
Biologicals and vaccines	5,298,054	6,910,297
Oral antiseptics	780,197	951,093
Ethical specialties for human use, not elsewhere specified	39,030,248	41,945,072
All other human medicines	9,054,296	12,387,819
Veterinary medicines	2,198,806	2,531,262
Disinfectants	195,992	207,513
Insecticides	415,890	358,661
Flavouring extracts	452,562	409,874
Toilet preparations	6,948,920	7,330,504
All other products ³	6,149,553	7,500,237
Total	122,592,220	140,092,919

¹ Includes penicillin, streptomycin and other antibiotics as well as antibiotic preparations not elsewhere specified.

² Included with "All other human medicines".

³ Includes soap, packaged goods, fountain supplies and syrup and other such articles.

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 medicinals see Table 5.

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry, 1956 and 1957

Material	1956		1957	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
Acetanilid	lb. 8,061	4,314	8,560	4,306
Acetic acid (as 99½%)	" 36,429	5,151	57,565	8,392
Acetone	" 1,101,670	111,321	1,034,004	94,561
Acetylsalicylic acid	" 777,758	431,262	882,721	500,865
Benzoic acid	" 13,328	7,071	9,597	4,118
Boric or boracic acid	" 102,766	10,800	118,914	12,969
Chalk, ground	" 479,040	11,054	189,423	9,675
Chalk, precipitated	" 218,106	12,250	364,808	18,531
Citric acid	" 408,159	122,311	668,203	192,862
Bismuth metal	" 82,296	236,618	8,544	18,133
Bismuth salts	" 21,185	71,324	18,811	63,089
Caffeine	" 25,971	75,807	32,342	84,427
Camphor	" 58,263	38,651	54,661	32,118
Castor oil	" 53,136	14,477	41,315	12,127
Cod liver oil	" 528,372	116,078	325,725	84,271
Essential oils	—	230,371	—	185,262
Ether, sulphuric	lb. 57,447	10,483	76,096	21,486
Ethyl alcohol (including tax)	Imp. gal. 211,383	496,823	250,603	523,280
Gelatine capsules (for use in compounding)	—	359,642	—	350,663
Glucose	lb. 855,149	66,024	1,463,915	129,530
Glycerine, refined	" 936,088	326,967	1,059,384	366,625
Gums — Arabic	" 132,279	29,728	164,738	38,854
Karoya	" 91,561	32,223	106,836	35,196
Other	" 74,014	37,812	36,573	25,976
Iodine, crude	" 75,432	100,141	72,753	82,885
Herbs, roots and vegetable drugs:				
Raw or crude (ground or milled)	—	183,265	—	148,366
Extracts (powders and liquids)	—	147,306	—	216,720
Hydrochloric acid	lb. 59,985	5,489	668,929	21,852
Isopropyl alcohol	" 329,923	34,429	375,810	42,220
Lanolin	" 70,640	22,437	74,027	23,159
Magnesium sulphate (Epsom salts)	" 1,135,381	37,818	1,268,250	47,849
Malt extract	" 214,598	30,700	242,133	33,886
Menthol	" 21,188	123,810	24,647	139,115
Mercury metal	" 43,263	138,552	15,595	46,284
Methyl alcohol (methyl hydrate)	Imp. gal. 99,958	64,185	61,948	28,045
Mineral oil, white	lb. 1,495,904	164,987	1,825,773	205,271
Nitric acid	" 38,345	3,681	333,926	14,089
Paradichlorobenzene	" 151,844	21,297	118,785	15,535
Penicillin	—	1,133,822	—	791,389
Petroleum jelly	lb. 609,434	64,638	637,761	72,823
Phenacetin	" 218,682	247,722	192,745	203,956
Phenobarbital and other barbiturates	" 28,165	152,615	28,674	143,824
Phenol (carbolic acid)	" 7,178	4,138	15,608	6,444
Potassium iodide	" 56,487	74,533	36,519	52,800
Potassium sodium tartarate (Rochelle salt)	" 17,798	4,766	14,904	4,093
Pyrethrum	" 1,303	797	30	23
Silver bullion	troy oz. 185,672	166,827	150,609	131,980
Sodium bicarbonate	lb. 1,693,342	67,406	1,576,103	63,266

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry,
1956 and 1957 - Concluded

Material	1956		1957	
	Quantity	Cost at plant	Quantity	Cost at plant
		\$		\$
Sodium bromide	40,591	15,138	50,991	18,359
Sodium hydroxide	1,520,019 ¹	48,454	1,425,410	49,290
Sodium salicylate	16,382	9,750	16,233	10,562
Sodium sulphate	107,615	7,279	134,628	8,178
Starch	799,273	63,868	770,526	61,702
Stearic acid	207,960	40,100	243,978	46,276
Sulpha drugs	-	559,043	-	647,615
Sulphur	70,128 ¹	5,049 ¹	86,211	7,633
Sugar	4,311,466 ¹	356,402 ¹	4,767,100	462,255
Talc	941,396 ¹	34,685 ¹	786,836	31,977
Tartaric acid	582,531	219,925	563,072	202,132
Vitamins - A	-	374,473	-	438,646
B ¹ (thiamin chloride)	-	98,020	-	107,734
B ² (riboflavin)	-	116,935	-	266,520
C (ascorbic acid)	-	484,237	-	432,699
D	-	32,584	-	41,593
Wax - Beeswax	61,223	54,094	66,022	58,770
Paraffin	27,931	3,364	35,953	3,404
Other waxes	45,853	26,877	32,604	21,547
Bottles, boxes, labels, etc., and packing materials	-	11,693,993	-	13,369,261
All other materials and process supplies	-	17,911,282	-	20,692,149
Total	-	38,009,475	-	42,336,512

¹ Revised.

TABLE 5. Production,¹ Imports and Exports of Medicinal and Pharmaceutical Preparations,
1948 - 1957

Year	Production ² (selling value at factory)	Imports	Exports
		dollars	
1948	55,941,783	13,163,602	3,200,398
1949	64,816,301	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
1954	90,799,000	24,981,000	5,476,000
1955	100,878,000	24,599,000	4,248,000
1956	110,002,000	26,121,000	5,349,000
1957	126,297,000	28,392,000	6,835,000

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

² Factory shipments since 1952.

TABLE 6. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, Classified According to Type of Ownership, 1956 and 1957

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1956						
Individual ownership	26	49	89,650	5,865	111,193	306,484
Partnerships	10	120	278,463	9,251	225,867	682,530
Incorporated companies	176	7,632	25,585,100	908,897	37,672,415	121,603,206
Total	212	7,801	25,953,213	924,013	38,009,475	122,592,220
1957						
Individual ownership	24	46	119,000	3,500	72,652	223,434
Partnerships	9	49	150,215	6,064	144,079	433,166
Incorporated companies	174	8,051	28,386,901	1,062,214	42,119,781	139,436,319
Total	207	8,146	28,656,116	1,071,778	42,336,512	140,092,919

TABLE 7. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, Grouped According to Selling Value of Factory Shipments, 1956 and 1957

Establishments reporting a value of factory shipments	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
1956						
Under \$10,000	36	50	63,883	4,125	54,275	166,418
\$10,000 to \$24,999	26	71	140,410	5,647	110,431	417,544
\$25,000 to \$49,999	17	79	162,400	8,053	212,895	589,158
\$50,000 to \$99,999	28	246	585,563	35,475	739,246	2,065,321
\$100,000 to \$199,999	22	287	835,759	38,052	997,364	2,948,198
\$200,000 to \$499,999	35	855	2,473,965	90,501	3,779,824	10,961,949
\$500,000 to \$999,999	17	906	3,077,855	103,280	3,625,307	11,657,698
\$1,000,000 to \$4,999,999	27	3,714	12,392,856	349,406	19,797,897	66,798,711
\$5,000,000 and over	4	1,571	6,127,122	289,474	8,692,236	26,937,223
Head offices	—	22	93,400	—	—	—
Total	212	7,801	25,953,213	924,013	38,009,475	122,592,220
1957						
Under \$10,000	35	44	83,679	3,179	41,848	152,203
\$10,000 to \$24,999	26	94	225,744	6,774	133,441	412,293
\$25,000 to \$49,999	19	112	277,937	12,148	319,015	686,888
\$50,000 to \$99,999	24	240	625,632	39,169	632,342	1,872,760
\$100,000 to \$199,999	20	253	660,703	32,700	1,016,202	2,868,856
\$200,000 to \$499,999	33	779	2,417,029	92,638	3,923,174	10,602,915
\$500,000 to \$999,999	16	624	1,961,211	82,673	3,046,190	10,894,315
\$1,000,000 to \$4,999,999	27	3,176	11,415,088	586,274	20,956,972	63,066,887
\$5,000,000 and over	7	2,462	9,370,141	216,223	12,267,328	49,535,802
Head offices	—	362	1,618,952	—	—	—
Total	207	8,146	28,656,116	1,071,778	42,336,512	140,092,919

TABLE 8. Employees and their Earnings in the Medicinal and Pharmaceutical Preparations Industry, 1956 and 1957

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	dollars							
1956								
Quebec.....	1,012	838	1,088	841	3,779	8,003,408	4,996,243	12,999,651
Ontario.....	632	724	1,150	1,326	3,832	5,662,485	6,792,603	12,455,088
Manitoba.....	22	26	35	29	112	139,734	171,369	311,103
British Columbia.....	15	5	10	18	48	74,813	69,565	144,378
Other provinces.....	8	4	8	10	30	20,035	22,958	42,993
Canada.....	1,689	1,597	2,291	2,224	7,801	13,900,475	12,052,738	25,953,213
1957								
Quebec.....	1,181	908	1,061	859	4,009	9,244,831	5,402,833	14,647,664
Ontario.....	648	741	1,183	1,363	3,935	6,256,996	7,222,979	13,479,975
Manitoba.....	22	28	39	28	117	143,402	172,648	316,050
British Columbia.....	16	7	12	20	55	80,470	96,057	156,527
Other provinces.....	9	1	8	12	30	25,421	30,479	55,900
Canada.....	1,876	1,685	2,303	2,282	8,146	15,751,120	12,904,996	28,656,116

TABLE 9. Production Workers, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January.....	2,305	2,207	4,512	2,255	2,203	4,458
February.....	2,313	2,212	4,525	2,259	2,271	4,530
March.....	2,303	2,203	4,506	2,253	2,255	4,508
April.....	2,299	2,216	4,515	2,265	2,239	4,504
May.....	2,282	2,187	4,469	2,273	2,216	4,489
June.....	2,264	2,195	4,459	2,332	2,227	4,559
July.....	2,249	2,159	4,408	2,312	2,234	4,546
August.....	2,339	2,255	4,594	2,339	2,307	4,646
September.....	2,324	2,293	4,617	2,333	2,302	4,635
October.....	2,300	2,308	4,608	2,372	2,369	4,741
November.....	2,296	2,272	4,568	2,350	2,401	4,751
December.....	2,236	2,211	4,447	2,293	2,334	4,627
Average.....	2,291	2,224	4,515	2,303	2,282	4,585

TABLE 10. Capital and Repair Expenditures in the Medicinal and Pharmaceutical Preparations Industry, 1953 - 1957

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1953.....	810	1,481	2,291	331	909	1,240	3,531
1954.....	2,788	2,053	4,841	391	988	1,379	6,220
1955.....	3,695	2,210	5,905	371	969	1,340	7,245
1956.....	5,123	3,333	8,456	401	962	1,363	9,819
1957.....	2,424	2,596	5,020	453	1,023	1,476	6,496

Note: Figures for the current year are preliminary.

TABLE 11. Imports into Canada and Exports of Medicinal and Pharmaceutical Preparations, 1956 and 1957

	1956		1957	
	Quantity	Value	Quantity	Value
		\$		\$
(a) Imports				
Caffeine, and salts of..... lb.	186,025	414,343	169,184	364,560
Cocaine..... oz.	1,220	14,648	1,240	14,119
Codeine, and salts of..... "	92,693	455,296	104,871	516,064
Opium derivatives, n.o.p. "	9,865	48,400	8,031	34,218
Opium..... lb.	140	1,295	104	1,235
Quinine, salts of..... oz.	63,457	20,985	59,824	18,586
Strychnine, and salts of..... "	4,934	2,904	4,915	3,547
Preparations or chemicals, weed-killing..... -	-	2,888,444	-	3,406,938
Nicotine, salts of nicotine; preparations containing nicotine in a free or combined state, for dipping, spraying or fumigating, n.o.p. lb.	78,924	82,392	31,613	26,283
Chloropicrin, ethylene oxide, methyl bromide, methyl formate, cyanides, carbon bisulphide, or mixture containing any of these, for combating destructive insects or pests..... -	-	82,612	-	87,597
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.. -	-	419,539	-	361,938
Preparations or chemicals, non-alcoholic, for disinfecting, dipping, spraying or fumigating, n.o.p., or manufacturing the same..... -	-	7,798,089	-	8,406,514
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, dry..... -	-	7,152,207	-	7,069,665
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, liquid, when containing not more than 2½% of proof-spirit..... -	-	1,669,074	-	1,931,297
Medicinal, chemical and pharmaceutical preparations, including proprietary preparations, all other..... -	-	120,448	-	162,929
Menthol, natural or synthetic..... -	-	143,173	-	231,950
Papaine..... -	-	65,325	-	48,062
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.	21,126	195,605	23,320	183,966
Non-alcoholic extract of cascara sagrada..... -	-	19,271	-	30,639
Penicillin, and products of..... -	-	862,035	-	833,216
Streptomycin, and products of..... -	-	219,510	-	134,620
Sulpha drugs..... -	-	564,820	-	469,596
Antibiotics, n.o.p..... -	-	2,880,637	-	4,053,970
Total imports..... -	-	26,121,052	-	28,391,509
(b) Exports				
Dipping, spraying and insecticide compounds..... -	-	403,230	-	162,244
Penicillin, and products of..... -	-	164,215	-	157,647
Streptomycin, and products of..... -	-	211,741	-	410,121
Antibiotics, n.o.p. -	-	307,822	-	326,123
Medicinal and proprietary preparations..... -	-	4,262,068	-	5,778,626
Total exports..... -	-	5,349,076	-	6,834,761

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

TABLE 12. Fuel and Electricity Used in the Medicinal and Pharmaceutical Preparations, Industry, 1956 and 1957

Kind	1956		1957		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Bituminous coal (a) From Canadian mines	ton	1,035	14,613	1,187	17,709
(b) Imported	"	5,778	69,702	4,654	57,350
Sub-bituminous coal	"	54	877	52	866
Anthracite coal	"	271	4,284	121	2,238
Lignite Coal	"	116	667	745	442
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	149,264	63,753	263,505	109,094
Fuel oil	" "	3,615,990	395,516	4,261,704	499,096
Gas (a) Liquefied petroleum gases	" "	7,099	2,197	8,066	1,930
(b) Other manufactured gases	M cu. ft.	16,471	15,629	15,116	14,134
(c) Natural gas	" "	14,648	16,344	25,019	24,640
Other fuel	-	-	34,384	-	24,544
Electricity purchased	kwh.	27,696,744	306,047	28,687,947	319,735
Total	-	-	924,013	-	1,071,778

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1957

Name of firm	Location of plant
Newfoundland:	
Lilly, A.	56-58 Bond St., St. John's
McMurdo, T., Co., Ltd.	210 Water St., St. John's
Stafford, Dr. F., & Son Ltd.	166 Duckworth St., St. John's
Nova Scotia:	
Minards Liniment Co. Ltd.	4 Jenkins St., Yarmouth
New Brunswick:	
Baird Co. Ltd., The	66 King St., Woodstock
Products, Helena	Blue Cove
Row and Company	St. Stephens
Quebec:	
Abbott Laboratories Limited	1350 Cote-de-Liesse Road, Outremont
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. (Enrg.) 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
Bristol Laboratories of Canada, Ltd.	286 St. Paul St. West, Montreal
Burroughs, Wellcome & Co. (Canada) Ltd.	60 Riverview Ave., Ville La Salle
Brunet, W., & Cie, Ltée	600 Blvd. Charest E., Quebec
Canada Drug Co. (Reg'd.)	857 St. Maurice St., Montreal
Casgrain & Charbonneau Ltd.	445 St. Lawrence Blvd., 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.	553 A Leclaire, Montreal

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1957 - Continued

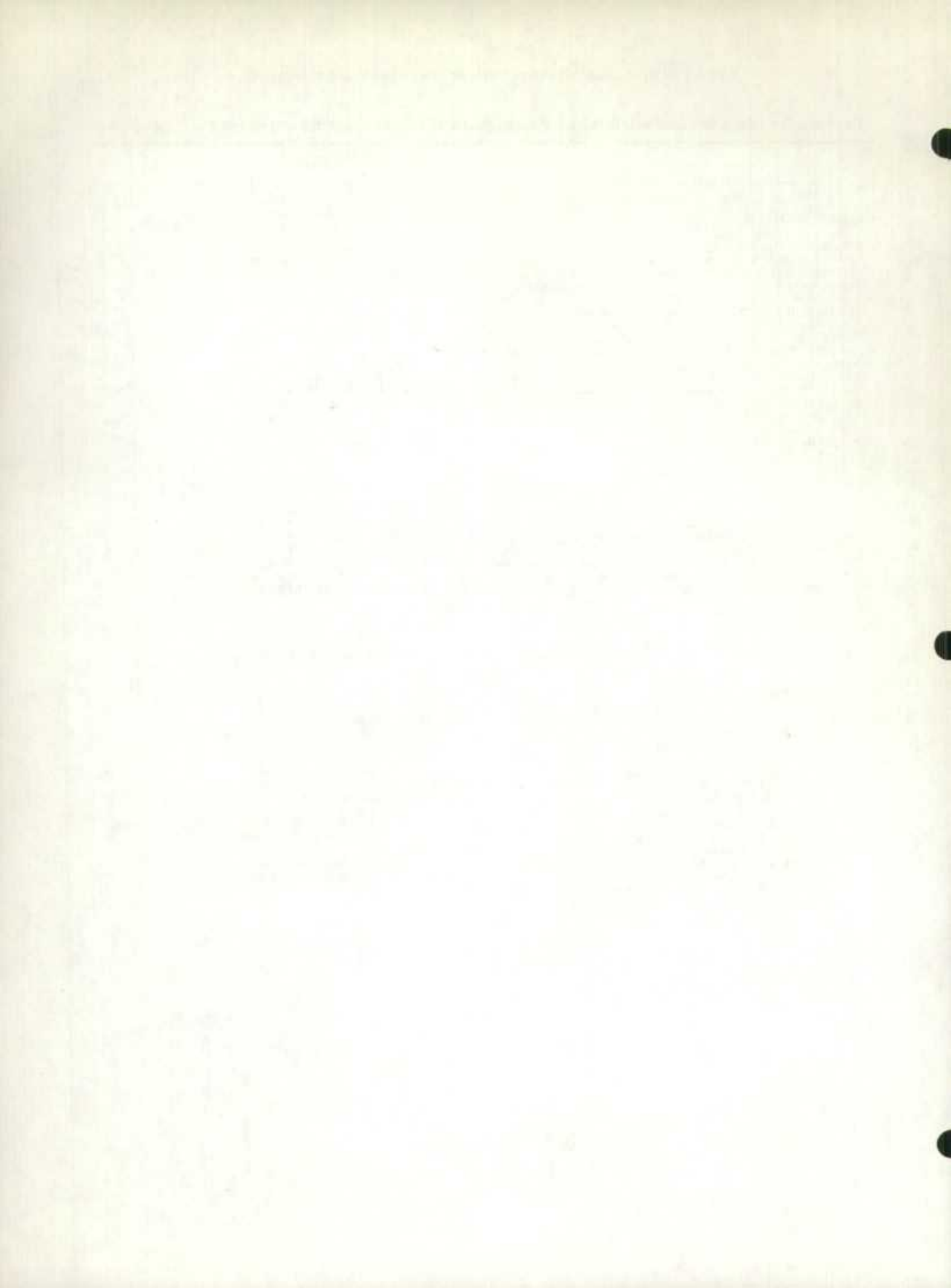
Name of firm	Location of plant
Quebec - Concluded:	
Cie Mathieu Limitée	74 Albert St., Sherbrooke
Cie Paula Ltée, La	21 St. Paul St. E., Montreal
Compagnie Pharméd Limitée	108 St. Paul St. W., Montreal
Compagnie Sorex Ltée, La	175 Third Ave., Quebec
Corporation Pharmaceutique Francaise, Ltée	200, rue Vallée, Montreal
Cyanamid of Canada Ltd.	5550 Royalmount Ave., Montreal 16, P.Q.
Daillac Ltée	1405 Bishop St., Montreal
Dairy Association Reg'd	Rock Island
Davis & Lawrence Company (Canada) Ltd.	845 Chatham, Montreal
Delmar Chemicals Limited	50 Victoria St., Lachine
Denver Chemical Mfg. Co.	8465 Devonshire Road, Montreal 9, P.Q.
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	8510 Jeanne Mance, Montreal
Familex Products Ltd.	1600 Delorimier St., Montreal
Fortin, Charles	Robertsonville
Frasier, Thornton & Co. Ltd.	Cookshire
Frosst, Charles E., & Co.	3571 St. Antoine St. W., Westmount
Harris, J.A., Limited	4510 De la Roche St., Montreal
Herbo Remedies Reg'd.	3718 St. Denis St., Montreal
Hervay Remedies Ltd.	St. Basile
Hoffman-Laroche Limited	286 St. Paul St. W., Montreal
Horner, Frank W., Ltd.	5485 Ferrier St., Town of Mount Royal
Innerclean Co., The	809 William St., Montreal 3, P.Q.
Laboratoire Bilophen Laboratory Inc.	2650 Beaubien St. E., Montreal
Laboratoire des Spécialités Pharmaceutiques et Médicaments Brevetés Inc.	3rd Ave West, Amos, P.Q.
Laboratoire Du. Cheptel Ltée.	810 Dupré, Beloeil
Laboratoire Demers Enrg.	414, rue St-Jean, Québec
Laboratoire Lancet Ltée.	1615 Lagachetière E., Montreal
Laboratoire Dr. Leo Lorrain, Ltée.	203 Place Youville, Montréal
Laboratoire Marois Limitée	29 Chemin D'Oka, St-Eustache
Laboratoire Montphar	2420 Notre-Dame St. E., Montreal
Laboratoire Nadeau Limitée	100 St. Paul St. W., Montreal
Laboratoire Octo. Ltée.	920 Lecoc, Montreal
Laboratoire Ortho Medico Enrg.	1647 Fleury St. E., 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 Inc.	883 Dessane, Lauzon
Lambert, Dr. J.O., Limitée	2234 St. Antoine St., Montreal
Laurentian Laboratoires, Ltd.	442 St. Gabriel St., Montreal
Leeming Miles Co. Ltd., The	6550 Upper Lachine Rd., Montreal
Lippens Paul Inc.	3450 St. Denis St., Montreal 18, P.Q.
Mallinckrodt Chemical Works Limited	425 St. Patrick St., Ville La Salle
Matol Research Ltd.	162 St-Laurent, Quebec
Medicolab Inc.	200 Craig St. W., Montreal
Merck & Co. Ltd., (2 plants)	560 De Courcelles St., Montreal and Valleyfield
Metro Drug Ltd.	7519 Boyer St., Montreal
Montreal Chemical and Specialities Co.	8477 St. Hubert St., Montreal
Mothersill Remedy Co. Ltd., The	132 St. James St. W., Montreal
Mowatt & Moore, Limited	64 Prince St., Montreal
Niruana Compagnie Ltée	St-Renaud D'Etchemin, Montreal
Nivea Pharmaceuticals Ltd.	5640 Pare St., Town of Mount Royal, Montreal, P.Q.
Nordic Biochemicals Ltd.	4324 St. Lawrence Blvd., Montreal
Pertussin Limited	250 St. Zotique St. W., Montreal
Poulenc Limitée	8580 Esplanade, Montréal
Pratte, Arthur N. Enrg.	2019 St. Timothée, Montreal 24, Que.
Produits Elca Enrg.	4150 Wellington St., Verdun
Produits Gardo Ltée.	77, rue Principale, Waterloo
Rawleigh, W.T., Co. Ltd., The	4005 Richelieu St., Montréal
Robapharm (Canada) Ltd.	St-Jérôme
Rougier Frères Cie Inc.	2055 Fauard, Montréal
Sivois, Dr. N.A. Enrg.	St. Ann de la Pocatière
St. Germain, Les Médicaments	411 Laurier St. E., Montreal
Schering Corporation Ltd.	8370 Labarre St., Montreal
Smith-Kline and French Inter-America Corp.	300 Laurentian Blvd., Ville St. Laurent
Squibb, E.R., & Sons of Canada Ltd.	2201 Côte-de-Liesse Rd., Montreal
Strong Cobb of Canada Ltd.	388 St. Paul St. West, Montreal
Super Vita Concentrates Inc.	300 St. Sacremon, Montreal
Valor Medica Inc.	100 St. Paul St. W., Montreal
Watkins, J.R., Co., The	350 St. Roch St., Montreal

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1957 - Continued

Name of firm	Location of plant
Ontario:	
Accurate Laboratories	186½ King St., London
Allen & Hambury's Co. Ltd., The	Bartor Rd., Toronto
Anglo-Canadian Drug Co. Ltd.	99 Simcoe St. S., Oshawa
Arner Co. Ltd., The	30 Niagara St., Fort Erie North
Astra Pharmaceuticals (Canada) Ltd.	1139 College St., Toronto 4
Austin Laboratories Ltd.	Guelph
Baxter Laboratories of Canada Ltd.	Willow St., Acton
Bell-Craig Limited	91 Oxford St., Toronto
Bell, Dr., Wonder Medicine Co.	210 Wellington St., Kingston
Brent Laboratories, Ltd.	62 Avenue Rd., Toronto
British Drug House (Canada) Ltd.	Barclay Ave., Queensway, Toronto
Buckley, W.K., Ltd.	559 College St., Toronto
Canada Pharmacal Company Limited	447 Talbot St., London
Chase, Dr. A.W., Medicine Co. Ltd.	Oakville
Connaught Laboratories	University of Toronto, Toronto
Corbin Pharmaceuticals	91 Oxford St., Toronto
Cleveland's Drug Ltd.	2299 Dundas St. W., Toronto
Cummings, Charles C., & Company	2-8 Queen Elizabeth Blvd., Toronto
Druggists' Corporation, Limited	107-9 Duke St., Toronto
Eaton, T., Drug Co. Ltd., The	Hayter St., Toronto
Fine Chemicals of Canada Limited	124 Pharmacy Ave., Toronto
Fleming Brothers Ltd.	Ficton
Foster Dack Co. Ltd.	337 King St. W., Toronto
Galt Chemical Products Ltd.	Corner Beverly and Kerr Sts., Galt
Gama Pharmaceuticals Ltd.	740 Spadina Ave., Toronto 10, Ont.
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 Caledonis Rd., Toronto
Ingram & Bell Ltd.	256 McCaul St., Toronto
Jamieson, C.E., & Co. (Dominion) Ltd.	414 Riverside Drive, Windsor
Kleerex Manufacturing Co.	2028 Harvest Dr., Port Credit
Lewis-Howe Company	1415 Janette Ave., Windsor
Lilly, Eli, and Company, Canada, Ltd.	3650 Danforth Ave., Toronto
Lograsso, P.	464 Winona Drive, Toronto
Luscoe Products Limited	559 Bathurst St., Toronto
McAlpine Pharmaceutical Ltd.	779 Vaughn Rd., Toronto
Malthy Bros. Ltd.	1126 Castlefield, Toronto
Marlatt, G.W., & Company	73 Nipigon, Willowdale
Marz Laboratories Ltd.	Highway 39, Tecumseh
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	295 Danforth Rd., Toronto, Ont.
Miles Laboratories Ltd.	1131 Bloor St. W., Toronto
Moore-Thompson-Clinger Ltd.	153 King William St., Hamilton
Mulveney's R.L., Remedies Ltd.	199 Ossington Ave., Toronto
Nixon Laboratories Ltd.	Orangeville
Northrop & Lyman Co. Ltd.	462-66 Wellington St. W., Toronto
Norwich Pharmacal Co. Ltd.	36-48 Caledonia Rd., Toronto
Novocol Chemical Mfg. Co. of Canada, Ltd.	11 Grenville St., Toronto
Noxema Chemical Co. of Canada, Ltd., The	77 Park Lawn Road, Toronto
Nu, Era Perfect Products	6 Lawton Blvd., Toronto 5, Ont.
Ortho Pharmaceutical Corp. (Canada) Limited	19 Green Belt Dr., Toronto
Ottway, C., Ltd.	514 Danforth Ave., Toronto
Parke, Davis & Co. Ltd.	Brockville
Parke and Parke Ltd.	18 Market Square, Hamilton
Penslar Co., The	325 Devonshire Road, Walkerville
Pfizer Corporation	Arnprior, Ont.
Pharmo Products Ltd.	2 A 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
Procoll Mfg. Co. Ltd.	161 Dupont St., Toronto
Rexall Drug Company Limited	68 Broadview Ave., Toronto
Ritchie, Harold F., & Company Ltd.	1860 Wilson Ave., Weston
Robert's Biological Laboratory Ltd.	331 Barlett 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
Searle, G.D. & Co. Of Canada Ltd.	247 Queen St. E., Toronto
Shaw Research	Omeme
Shuttleworth, E.B., Ltd.	14 Dyas Road, Don Mills, Ont.
Siroil of Canada Ltd.	152 Pitt St. W., Windsor

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1957 — Concluded

Name of firm	Location of plant
Ontario — Concluded:	
Standard Tableting Co. Ltd.	2 Queen Elizabeth Blvd., 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
Sutcliffe & Bingham of Canada, Ltd.	1 Niagara St., Toronto
Sybilla Spake 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-Lambert Canada Ltd.	727 King St. W., Toronto
Warren-McDonald Co., The	Mallorytown
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, Hohn, & Bro. (Canada) Ltd.	2109 Ottawa St., Windsor
Manitoba:	
Bonzoe Products	50 Gertie St., Winnipeg
Dominion Chemical Laboratories	44 Austin St., Winnipeg
Fahrney, Dr. Peter, & Sons Co.	256 Stanley St., Winnipeg
National Drugs Ltd.	1586 Wall St., Winnipeg
Rawleigh, W.T., Co. Ltd., The	589 Henry Ave., Winnipeg
Watkins, J.R., Co., The	Annabella and E. Higgins Sts., Winnipeg
Dr. White Medicine Co. Ltd.	901 Corydon Ave., Winnipeg
Alberta:	
Harris Wondro Limited	1742-10th Ave., West, Calgary
British Columbia:	
Adams Pharmacal Ltd.	8014 Granville, Vancouver
B.C. Stanley Laboratories Ltd.	2685 Maple St., Vancouver 9, B.C.
Gilead Mfg. Co.	157 Strathcona Rd., Chilliwack
Greens A.N.R. Ltd.	2014 Douglas St., Victoria
Kent Chemicals Ltd.	1292 Franklin St., Vancouver
Nephron Agency of Canada	3477 Kingsway, Vancouver
Nu. Life Pet Remedies Ltd.	1303 Commercial Drive, Vancouver 6, B.C.
Pacific Pharmaco Co. Ltd.	1051 Robson St., Vancouver
Palfenier, J.C. (Bronkit Co.)	1817 McSpadden, Vancouver
Shirley Laboratories	1012 Harwood St., Vancouver
Springwood Pharmaceuticals Ltd.	Saanichton
Urist Chemical Laboratories	696 Clark Drive, Vancouver
Western Wholesale Drug Ltd.	456 Broadway West, Vancouver





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