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CANADA



THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1952

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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 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, by Provinces
 - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢
 - Section 2. Principal Statistics of Individual Industries, 75¢
 - Section 3. Principal Statistics by Regional Distribution, 75¢
- 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¢
- D - The Fertilizer Trade in Canada, 25¢
- E - The Medicinal and Pharmaceutical Preparations Industry, 25¢
- F - The Paints, Varnishes and Lacquers Industry, 25¢
- G - The Primary Plastics Industry, 25¢
- H - The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢
- I - The Toilet Preparations Industry, 25¢
- J - The Vegetable Oils Industry, 25¢
- K - The Inks Industry, 25¢
- L - The Adhesives Industry, 25¢
- M - The Polishes and Dressings Industry, 25¢
- N - The Compressed Gases Industry, 25¢
- O - The Coal Tar Distillation Industry, 25¢
- P - The Miscellaneous Chemical Products Industry, 25¢

(18/1/54)

THE MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDUSTRY, 1952

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 \$88,022,387 in 1952.

Of the 213 factories in this group in 1952, 97 were located in Ontario, 91 in Quebec, 9 in Manitoba, 8 in British Columbia, 3 in Nova Scotia, 2 in Alberta, 2 in Newfoundland and 1 in New Brunswick. The total number of employees in 1952 was 7,457, compared with 7,481 in the previous year, and payments in salaries and wages amounted to \$20,481,873 as against \$18,917,850 in 1951. Plants in Ontario prod-

uced 50 per cent of the Canadian output, and concerns in Quebec accounted for 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 \$81,432,000 in 1952, compared with \$82,131,000 in 1951 and \$69,325,000 in 1950.

Note: Data presented in this bulletin for 1952 under the heading of "Production" actually represent "Factory Shipments" and, therefore, are not exactly comparable with previous years.

TABLE 1. Principal Statistics of the Medicinal and Pharmaceutical Preparations Industry, 1948-1952

| 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 |
|--------------------------------|------------------|---------------------|--------------------|---------------------------------------|----------------------------|--|
| | | | \$ | \$ | \$ | \$ |
| 1948 | 215 | 7,641 | 15,414,695 | 694,489 | 26,576,177 | 71,714,274 |
| 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 ¹ |
| Per cent change 1952 from 1951 | - | - | + 8.3 | + 4.5 | - 3.7 | - 1.6 |

1. The 1952 total represents the value of factory shipments. The inventory value of finished products at the plant at end of 1951 amounted to \$6,669,000 and at end of 1952 to \$6,206,000.

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, 1951 and 1952

| Province | 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 |
|------------------------|------------------|---------------------|--------------------|---------------------------------------|----------------------------|--|
| | | | \$ | \$ | \$ | \$ |
| 1951 | | | | | | |
| Quebec | 91 | 3,678 | 9,588,414 | 450,052 | 12,739,120 | 41,374,453 |
| Ontario | 94 | 3,559 | 8,858,046 | 250,956 | 14,697,019 | 45,117,338 |
| Manitoba | 9 | 159 | 333,207 | 10,887 | 709,424 | 1,709,010 |
| British Columbia | 5 | 53 | 96,144 | 5,054 | 162,042 | 755,230 |
| Alberta | 2 | } 32 | 42,039 | 2,186 | 106,961 | 292,836 |
| Nova Scotia | 2 | | | | | |
| New Brunswick | 1 | | | | | |
| Newfoundland | 2 | | | | | |
| Canada | 206 | 7,481 | 18,917,850 | 719,135 | 28,414,566 | 89,248,867 |
| 1952 | | | | | | |
| 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 | } 16 | 18,520 | 1,478 | 44,452 | 95,423 |
| Alberta | 2 | | | | | |
| New Brunswick | 1 | | | | | |
| Newfoundland | 2 | | | | | |
| Canada | 213 | 7,457 | 20,481,873 | 751,605 | 27,350,129 | 88,022,387 |

TABLE 3. Products Made in the Medicinal and Pharmaceutical Preparations Industry, 1951 and 1952

| Product | Selling value at works | |
|---|------------------------|------------------------|
| | 1951 | 1952 |
| | \$ | \$ |
| Medicines and pharmaceuticals: | | |
| Registered as patent medicines and sold without all ingredients declared | 16,284,750 | 17,598,085 |
| Antibiotics and preparations: | | |
| Penicillin preparations | 4,435,545 | 3,169,057 |
| Streptomycin preparations | 319,533 | 93,373 |
| Penicillin-streptomycin combinations | 2 | 573,586 |
| Other antibiotics and preparations thereof | 2 | 4,371,364 ⁴ |
| Sex hormones | 1,255,574 | 2,502,689 |
| Sulphonamide (sulpha) preparations with or without other active ingredients | 893,228 | 1,203,961 |
| Vitamins and preparations: | | |
| Vitamins in bulk | | 5 |
| Vitamin preparations in which the principal active ingredients are vitamins | 12,983,796 | 12,728,461 |
| Biologicals and vaccines | 3,381,313 | 3,814,863 |
| Oral antiseptics | 774,300 | 712,879 |
| Ethical specialties for human use, not elsewhere specified | 30,409,525 | 27,367,971 |
| All other human medicines | 9,324,999 ³ | 5,394,467 |
| Veterinary medicines | 1,068,107 | 1,079,273 |
| Disinfectants | 75,791 | 95,677 |
| Insecticides | 478,313 | 433,276 |
| Flavouring extracts | 478,614 | 449,677 |
| Toilet preparations | 4,248,896 | 3,821,463 |
| All other products | 2,836,583 | 2,612,265 |
| Total | 89,248,867 | 88,022,387 |

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

2. Not classified separately in 1951.

3. Included penicillin and streptomycin in 1951.

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

5. 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 medicinals see Table 5.

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry, 1951 and 1952

| Material | Unit of measure | 1951 | | 1952 | |
|--|-----------------|----------|---------------|----------|---------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Acetanilid | lb. | 11,123 | 6,253 | 8,332 | 4,418 |
| Acetic acid (as 99½%) | " | 142,675 | 19,976 | 44,749 | 6,310 |
| Acetone | " | 774,153 | 115,919 | 825,024 | 98,937 |
| Acetylsalicylic acid | " | 639,524 | 452,382 | 683,233 | 443,681 |
| Benzoic acid | " | 8,923 | 4,297 | 7,132 | 4,139 |
| Boric or boracic acid | " | 174,757 | 18,563 | 179,325 | 18,915 |
| Chalk, ground | " | 248,304 | 7,664 | 55,496 | 3,622 |
| Chalk, precipitated | " | 324,361 | 16,832 | 357,618 | 16,055 |
| Citric acid | " | 863,533 | 249,524 | 807,417 | 228,227 |
| Bismuth metal | " | 57,702 | 130,287 | 51,479 | 118,866 |
| Bismuth salts | " | 19,082 | 67,598 | 15,947 | 56,286 |
| Caffeine | " | 19,256 | 96,385 | 22,294 | 94,582 |
| Camphor | " | 50,449 | 35,988 | 41,029 | 28,888 |
| Castor oil | " | 61,977 | 23,655 | 80,720 | 28,544 |
| Cod liver oil | " | 519,894 | 135,963 | 365,477 | 103,575 |
| Essential oils | — | — | 223,294 | — | 249,238 |
| Ether, sulphuric | lb. | 93,983 | 24,128 | 76,971 | 18,558 |
| Ethyl alcohol (including tax) | Imp. gal. | 232,728 | 623,114 | 259,681 | 580,012 |
| Gelatine capsules (for use in compounding) | — | — | 404,645 | — | 315,403 |
| Glucose | lb. | 647,225 | 55,106 | 714,849 | 62,264 |

TABLE 4. Materials Used in the Medicinal and Pharmaceutical Preparations Industry, 1951 and 1952 - Concluded

| Material | Unit of measure | 1951 | | 1952 | |
|---|-----------------|-----------|-------------------|-----------|-------------------|
| | | Quantity | Cost at works | Quantity | Cost at works |
| | | | \$ | | \$ |
| Glycerine, refined..... | lb. | 954,622 | 619,774 | 852,379 | 387,149 |
| Gums - Arabic | " | 107,177 | 19,692 | 92,320 | 21,113 |
| Karoya | " | 55,593 | 23,434 | 105,851 | 32,374 |
| Other | " | 87,620 | 67,363 | 22,777 | 31,807 |
| Iodine, crude | " | 112,909 | 203,831 | 73,769 | 127,670 |
| Herbs, roots and vegetable drugs: | | | | | |
| Raw or crude (ground or milled)..... | - | - | 572,984 | - | 345,932 |
| Extracts (powders and liquids)..... | - | - | 142,406 | - | 115,730 |
| Hydrochloric acid | lb. | 114,763 | 5,747 | 45,139 | 5,957 |
| Isopropyl alcohol | " | 165,576 | 21,791 | 245,214 | 29,005 |
| Lanolin..... | " | 61,826 | 17,949 | 66,725 | 22,869 |
| Magnesium sulphate (Epsom salts) | " | 1,140,509 | 50,688 | 1,243,043 | 43,878 |
| Malt extract | " | 608,297 | 84,028 | 566,856 | 68,082 |
| Menthol..... | " | 11,098 | 106,579 | 15,483 | 113,417 |
| Mercury metal..... | " | 32,041 | 85,462 | 25,864 | 66,141 |
| Methyl alcohol (methyl hydrate) | Imp. gal. | 55,271 | 53,701 | 63,672 | 63,042 |
| Mineral oil, white | lb. | 1,461,391 | 185,651 | 1,509,196 | 176,588 |
| Nitric acid, 42° | " | 193,640 | 14,242 | 160,858 | 12,116 |
| Paradichlorobenzene..... | " | 230,331 | 37,827 | 177,311 | 24,385 |
| Penicillin..... | - | - | 1,233,627 | - | 945,548 |
| Petroleum jelly | lb. | 720,619 | 72,989 | 867,676 | 84,057 |
| Phenacetin..... | " | 118,979 | 160,926 | 112,229 | 139,140 |
| Phenobarbital and other barbiturates..... | " | 24,855 | 174,830 | 36,175 | 222,573 |
| Phenol (carbolic acid)..... | " | 5,912 | 2,700 | 5,333 | 2,863 |
| Potassium iodide | " | 58,546 | 105,432 | 29,567 | 62,470 |
| Potassium sodium tartrate (Rochelle salt)..... | " | 14,540 | 4,724 | 19,257 | 6,120 |
| Pyrethrum..... | " | 2,429 | 1,321 | 1,607 | 976 |
| Silver bullion..... | troy oz. | 322,281 | 305,777 | 267,133 | 225,989 |
| Sodium bicarbonate..... | lb. | 1,220,220 | 41,592 | 1,541,167 | 49,684 |
| Sodium bromide | " | 43,804 | 17,068 | 48,599 | 19,065 |
| Sodium hydroxide | " | 2,685,730 | 56,050 | 913,626 | 20,442 |
| Sodium salicylate | " | 17,780 | 13,808 | 22,992 | 12,146 |
| Sodium sulphate | " | 57,041 | 4,936 | 49,011 | 4,478 |
| Starch | " | 411,452 | 35,504 | 559,984 | 49,898 |
| Stearic acid | " | 426,482 | 102,916 | 365,532 | 52,147 |
| Sulpha drugs | - | - | 705,627 | - | 537,781 |
| Sulphur | lb. | 98,863 | 5,023 | 66,125 | 3,614 |
| Sugar..... | " | 3,922,642 | 387,155 | 4,000,659 | 360,427 |
| Talc..... | " | 601,331 | 21,274 | 613,624 | 24,027 |
| Tartaric acid | " | 691,089 | 324,597 | 482,605 | 188,330 |
| Vitamins - A | - | - | 298,796 | - | 319,220 |
| B ¹ (thiamin chloride)..... | - | - | 197,270 | - | 230,571 |
| B ² (riboflavin)..... | - | - | 183,564 | - | 176,270 |
| C (ascorbic acid)..... | - | - | 305,931 | - | 316,307 |
| D | - | - | 38,335 | - | 16,038 |
| Wax - Beeswax | lb. | 38,947 | 29,194 | 37,731 | 30,429 |
| Paraffin | " | 35,073 | 4,029 | 36,205 | 4,302 |
| Other waxes..... | " | 62,345 | 40,551 | 66,675 | 39,215 |
| Bottles, boxes, labels, etc., and packing materials | - | - | 8,041,910 | - | 9,246,136 |
| All other materials and process supplies | - | - | 10,472,388 | - | 9,792,091 |
| Total..... | - | - | 28,414,566 | - | 27,350,129 |

TABLE 5. Production¹, Imports and Exports of Medicinal and Pharmaceutical Preparations, 1943-1952

| Year | Production (selling value at factory) | Imports | Exports |
|------------|---|------------|-----------|
| | \$ | \$ | \$ |
| 1943 | 39,250,072 | 7,313,676 | 3,120,523 |
| 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 | 3,200,396 |
| 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 |

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, 1951 and 1952

| | Unit of measure | 1951 | | 1952 | |
|--|--------------------|----------|-----------|----------|-----------|
| | | Quantity | \$ | Quantity | \$ |
| (a) Imports | | | | | |
| Caffeine, and salts of | lb. | 24,757 | 110,302 | 17,984 | 54,679 |
| Cocaine | oz. | 1,157 | 12,914 | 1,248 | 14,314 |
| Codeine, and salts of | " | 57,917 | 320,668 | 78,654 | 456,946 |
| Morphine | " | 5,369 | 36,554 | 5,171 | 34,782 |
| Opium | lb. | 205 | 3,054 | 135 | 2,243 |
| Quinine, salts of | oz. | 107,565 | 60,393 | 49,962 | 20,971 |
| Strychnine, and salts of | " | 2,550 | 2,492 | 2,065 | 2,352 |
| Preparations or chemicals, weed-killing | - | - | 2,525,175 | - | 2,530,794 |
| Nicotine, salts of nicotine; preparations containing nicotine in a free or combined state, for dipping, spraying or fumigating, n.o.p. | lb. | 114,267 | 95,715 | 114,561 | 112,103 |
| Chloropicrin, ethylene oxide, methyl bromide, methyl formate, cyanides, carbon bisulphide, or mixture containing any of these, for combatting destructive insects or pests | - | - | 275,656 | - | 673,563 |
| 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 | - | - | 394,988 | - | 447,012 |
| Preparations or chemicals, non-alcoholic, for disinfecting, dipping, spraying or fumigating, n.o.p., or manufacturing the same | - | - | 5,377,222 | - | 5,594,013 |
| Medicinal, chemical and pharmaceutical preparations including proprietary preparations, dry | - | - | 6,583,318 | - | 6,674,348 |
| Medicinal, chemical and pharmaceutical preparations including proprietary preparations, liquid, when containing not more than 2½% of proof spirit | - | - | 1,629,850 | - | 1,423,679 |
| Medicinal, chemical and pharmaceutical preparations including proprietary preparations, all other | - | - | 65,847 | - | 85,974 |

TABLE 6. Imports into Canada and Exports of Medicinal and Pharmaceutical Preparations, 1951 and 1952 - Concluded

| | Unit of measure | 1951 | | 1952 | |
|--|-----------------|----------|-------------------|----------|-------------------|
| | | Quantity | \$ | Quantity | \$ |
| (a) Imports - Concluded | | | | | |
| Medicinal or medicated wines, containing not more than 40% of proof spirit | gal. | 600 | 2,998 | — | — |
| Menthol, natural or synthetic..... | — | — | 450,605 | — | 192,678 |
| Papaine..... | — | — | 49,011 | — | 51,106 |
| 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. | 24,701 | 247,771 | 23,295 | 183,808 |
| Non-alcoholic extract of cascara sagrada | — | — | 17,798 | — | 13,591 |
| Penicillin, and products of | — | — | 2,815,370 | — | 2,298,434 |
| Streptomycin, and products of..... | — | — | 339,391 | — | 390,349 |
| Sulpha drugs..... | — | — | 1,010,025 | — | 522,574 |
| Total imports | — | — | 22,427,117 | — | 21,780,213 |
| (b) Exports | | | | | |
| Dipping, spraying and insecticide compounds | — | — | 452,708 | — | 224,126 |
| Penicillin, and products of | — | — | 578,308 | — | 659,458 |
| Streptomycin, and products of..... | — | — | 1,477,602 | — | 997,136 |
| Medicinal and proprietary preparations | — | — | 3,527,935 | — | 3,207,229 |
| Total exports | — | — | 6,036,553 | — | 5,087,949 |

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

TABLE 7. Employees and Their Earnings in the Medicinal and Pharmaceutical Preparations Industry, 1951 and 1952

| Province | Number of employees | | | | | Earnings | | |
|------------------------|------------------------|--------------|--------------------|--------------|--------------|------------------------|--------------------|-------------------|
| | Supervisory and office | | Production workers | | Total | Supervisory and office | Production workers | Total |
| | Male | Female | Male | Female | | | | |
| 1951 | | | | | | | | |
| Quebec | 1,037 | 712 | 1,080 | 849 | 3,678 | 5,750,671 | 3,837,743 | 9,588,414 |
| Ontario | 544 | 607 | 1,087 | 1,321 | 3,559 | 3,852,264 | 5,005,782 | 8,858,046 |
| Manitoba | 23 | 25 | 55 | 56 | 159 | 126,086 | 207,121 | 333,207 |
| Other provinces | 19 | 11 | 18 | 37 | 85 | 64,242 | 73,941 | 138,183 |
| Canada | 1,623 | 1,355 | 2,240 | 2,263 | 7,481 | 9,793,263 | 9,124,587 | 18,917,850 |
| 1952 | | | | | | | | |
| 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 | 5,181,503 | 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 |
| Canada | 1,639 | 1,428 | 2,218 | 2,172 | 7,457 | 11,060,506 | 9,421,367 | 20,481,873 |

TABLE 8. Capital Investment in the Medicinal and Pharmaceutical Preparations Industry, 1948-1952

| Year | Capital expenditures | | Sub-total | Repair and maintenance expenditures | | Sub-total | Total capital investment |
|-------------------------|----------------------|-------------------------|-----------|-------------------------------------|-------------------------|-----------|--------------------------|
| | Construction | Machinery and equipment | | Construction | Machinery and equipment | | |
| | \$'000 | | | | | | |
| 1948 | 513 | 608 | 1,121 | 855 | 1,507 | 2,362 | 3,483 |
| 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 ¹ | 923 | 1,640 | 2,563 | 332 | 700 | 1,032 | 3,595 |

1. Preliminary.

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1952

| Name of firm | Location of plant |
|--|-------------------------------------|
| Newfoundland: | |
| McMurds, T., Co. Ltd. | 210 Water St., St. John's |
| Stafford, Dr. F., & Son Ltd. | 166 Duckworth St., St. John's |
| Nova Scotia: | |
| Gates, C., Son & Co., Limited | Middleton |
| Minards Liniment Co. Ltd. | 4 Jenkins St., Yarmouth |
| Row & Company | Parrsboro |
| New Brunswick: | |
| Baird Co. Ltd., The | 66 King St., Woodstock |
| Quebec: | |
| Abbott Laboratories Limited | 1350 Cote de Liesse Road, Outremont |
| Abbey Effervescent Salt Co., The | 286 St. Paul St. W., 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 |
| Bristol 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. | 934 St. Catherine St. E., Montreal |
| Cie des Produits Homah Inc. | 803 Rachel St. E., Montreal |
| Cie Paula Ltée., La | 21 St. Paul St. E., Montreal |
| Compagnie Bauge Limitée | 3883 Ontario 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 |
| Coopérative Farex Ltée. | 406 Notre Dame St. East, Montreal |
| Corporation Pharmaceutique Francaise, Ltée | 200, rue Valée, Montreal |
| 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. | 1910 St. Antoine St., 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 |

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1952 - Continued

| Name of firm | Location of plant |
|---|--|
| Quebec - Concluded: | |
| 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 Demers Enrg. | 414, rue St-Jean, Québec |
| Laboratoire Lancet Ltée | 354 St. Catherine St. E., Montreal |
| Laboratoire Dr. Léo Lorrain, Ltée | 203 Place Youville, Montréal |
| Laboratoire Morois 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 Pasteur Ltée | 71 Edouard Laurin, Montreal |
| Laboratoires St. Hubert Ltée | 6631, rue St-André, Montréal |
| Laboratoire Vincent Inc. | 999, ave de Salaberry, Montréal |
| Lacroix, F. X. | 438 2, rue St-Joseph, Québec |
| Les Remèdes Faguet Enrg. | 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. | 2085 Dickson St., Quebec |
| 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 |
| 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 Gardo Ltée | 77, rue Principale, Waterloo |
| Produits Populex Ltée | 4522 De-la-Roche, Montréal |
| Pratt, Arthur N. | 1165 Bernadette St., Montreal |
| Rawleigh, W. T., Co. Ltd., The | 4005 Richelieu St., Montreal |
| Rosemont Chemicals | 3801 Masson St., Montreal |
| Rougier Frères Cie Inc. | 350 LeMoine, Montreal |
| St. Germain, Les Médicaments | 411 Laurier St. E., Montreal |
| Sirois, Dr. N. A., Enrg. | 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 |
| Squibb, E. R., & Sons of Canada Ltd. | 2245 Viau St., Montreal |
| Steroid Laboratories Ltd. | Grenville |
| 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 |
| Ontario: | |
| Accurate Laboratories | 186½ King St., London |
| Allen & Hanbury's Co. Ltd., The | Bator 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 |
| 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 |
| Carter Drug Company | 16 Claude Ave., Toronto |
| Caulk, L. D., Co. of Canada, Ltd., The | 172 John St., Toronto |

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1952 - Continued

| Name of firm | Location of plant |
|---|------------------------------------|
| Ontario - Continued. | |
| 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 |
| Edmanson Bates & Co. Ltd. | Colborne St., Oakville |
| 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 |
| Kitchener Tonsilitis Co. | 146 Duke St. East, Kitchener |
| Koegler Laboratories | 22 McDougall Ave., Waterloo |
| Lambert Pharmacal Company (Canada) Limited | 2000 Eglinton Ave. E., Toronto |
| Lavoris Chemical Co. Ltd. | 92 Jarvis St., Toronto |
| Lewis-Howe Company | 2595 Sandwich St. E., Windsor |
| 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 |
| Mulveney'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 |
| 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 |
| Shaw Laboratories | Omeme |
| Shuttleworth, E. B., Chemical Co. Ltd., The | 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 |
| Superior Biochemicals of Canada Ltd. | 50 Raleigh St., Toronto |
| Supreme Drug Ltd. | 36 Northline Rd., Toronto |
| Sutcliffe & Bingham of Canada, Ltd. | 1 Niagara St., Toronto |
| Synthetic Drug Co. Ltd. | 243 College St., Toronto |
| Templetons Limited | 56 Colborne St., Toronto |
| Toronto Pharmacal Co. Ltd., The | 14-20 Brockton Ave., 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 |

Directory of Firms in the Medicinal and Pharmaceutical Preparations Industry, 1952 - Concluded

| Name of firm | Location of plant |
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| Ontario - Concluded: | |
| Webber Pharmaceuticals Ltd. | 393 Weston Rd., Toronto |
| West, Ernest P. | 25 Davenport Road, Toronto |
| Whitfield, G. B., Company | 36 Cranfield Rd., 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 |
| Manitoba: | |
| Bonzoe Products | 50 Gertie St., Winnipeg |
| Eaton, T., Co. Ltd., The | Winnipeg |
| Fahrney, Dr. Peter, & Sons Co. | 256 Stanley St., Winnipeg |
| Jay's Products | 705 Selkirk Ave., Winnipeg |
| Kleerex Mfg. Co. | 263 Kennedy St., Winnipeg |
| National Drugs Ltd. | 576 McDermot 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. | 1380 Notre Dame Ave., Winnipeg |
| Alberta: | |
| Harris Wondro Limited | 1742 - 10th Ave. West, Calgary |
| McIntyre, John C. | 10,022 - 102nd Street, Edmonton |
| British Columbia: | |
| Diva Laboratories Ltd. | Saanichton |
| 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 |

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