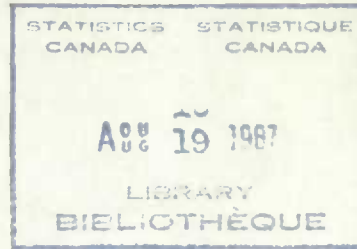


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CANADA



# THE PAINTS, VARNISHES AND LACQUERS INDUSTRY, 1953



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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¢
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- F - The Paints, Varnishes and Lacquers Industry, 25¢
- G - The Primary Plastics Industry, 25¢
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- N - The Compressed Gases Industry, 25¢
- O - The Coal Tar Distillation Industry, 25¢
- P - The Miscellaneous Chemical Products Industry, 25¢

# THE PAINTS, VARNISHES AND LACQUERS INDUSTRY, 1953

Manufacturers of paints and varnishes reported factory shipments at \$113,247,805 in 1953 compared with \$107,406,164 in 1952.

A total of 122 plants was included in this group during 1953, distributed by provinces as follows: Ontario, 64; Quebec, 34; British Columbia, 14; Manitoba, 5; Nova Scotia, 2 and 1 each in Newfoundland, New Brunswick and Alberta. Works in Ontario accounted for approximately 55 per cent of the total shipments and establishments in Quebec for about 32 per cent.

Factory shipments in Canada of some of the leading items (including small amounts from other industries) were as follows in 1953: 11,824,000 gallons of ready-mixed paints at \$43,008,000; 3,229,000 gallons of varnishes at \$9,044,000; 2,351,000 gallons of cellulose lacquers at \$7,572,000; 3,691,000 pounds of paste paints at \$1,002,000; water paints (including latex emulsion paints) at \$9,287,000; 11,159,000 pounds of putty at \$814,000 and 2,293,000 gallons of thinners at \$3,471,000.

**TABLE 1. Principal Statistics of the Paints, Varnishes and Lacquers 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 .....                               | 112              | 6,035               | 14,137,815         | 622,236                               | 42,427,832                 | 82,860,500                               |
| 1950 .....                               | 109              | 5,929               | 14,569,020         | 682,488                               | 49,870,382                 | 92,999,193                               |
| 1951 .....                               | 114              | 5,859               | 16,129,180         | 708,104                               | 55,700,822                 | 104,839,285                              |
| 1952 .....                               | 116              | 5,784               | 17,220,333         | 732,978                               | 53,118,889                 | 107,406,164 <sup>1</sup>                 |
| 1953 .....                               | 122              | 5,887               | 19,237,809         | 756,392                               | 55,144,047                 | 113,247,805 <sup>1</sup>                 |
| Per cent change,<br>1953 from 1952 ..... | -                | + 1.8               | + 11.7             | + 3.2                                 | + 3.8                      | + 5.4                                    |

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.

1. Factory shipments since 1952. The inventory value of finished products at plant at end of 1952 amounted to \$6,760,000 and at end of 1953 to \$10,023,000.

**TABLE 2. Principal Statistics, 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>            |                  |                     |                    |                                       |                            |                            |
| Quebec .....           | 34               | 2,356               | 6,885,707          | 235,332                               | 16,313,463                 | 32,946,017                 |
| Ontario .....          | 60               | 2,636               | 8,207,615          | 401,914                               | 28,963,725                 | 59,633,839                 |
| Manitoba .....         | 5                | 249                 | 574,252            | 32,190                                | 2,679,081                  | 4,786,945                  |
| British Columbia ..... | 12               | 391                 | 1,181,128          | 42,443                                | 3,824,176                  | 7,760,308                  |
| Newfoundland .....     | 1                | } 152               | 371,631            | 21,099                                | 1,338,444                  | 2,279,055                  |
| Nova Scotia .....      | 2                |                     |                    |                                       |                            |                            |
| New Brunswick .....    | 1                |                     |                    |                                       |                            |                            |
| Alberta .....          | 1                |                     |                    |                                       |                            |                            |
| <b>Canada .....</b>    | <b>116</b>       | <b>5,784</b>        | <b>17,220,333</b>  | <b>732,978</b>                        | <b>53,118,889</b>          | <b>107,406,164</b>         |
| <b>1953</b>            |                  |                     |                    |                                       |                            |                            |
| Quebec .....           | 34               | 2,292               | 7,829,926          | 229,076                               | 17,001,634                 | 35,799,423                 |
| Ontario .....          | 64               | 2,786               | 9,129,292          | 432,750                               | 30,648,910                 | 61,982,653                 |
| Manitoba .....         | 5                | 249                 | 627,962            | 29,051                                | 2,684,276                  | 5,315,541                  |
| British Columbia ..... | 14               | 407                 | 1,236,426          | 48,017                                | 3,582,745                  | 7,854,681                  |
| Newfoundland .....     | 1                | } 153               | 414,203            | 17,498                                | 1,226,482                  | 2,295,507                  |
| Nova Scotia .....      | 2                |                     |                    |                                       |                            |                            |
| New Brunswick .....    | 1                |                     |                    |                                       |                            |                            |
| Alberta .....          | 1                |                     |                    |                                       |                            |                            |
| <b>Canada .....</b>    | <b>122</b>       | <b>5,887</b>        | <b>19,237,809</b>  | <b>756,392</b>                        | <b>55,144,047</b>          | <b>113,247,805</b>         |

TABLE 3. Products Made in the Paints, Varnishes and Lacquers Industry, 1952 and 1953

| Product   | Unit of measure | 1952         |                            | 1953         |                            |
|---|-----------------|--------------|----------------------------|--------------|----------------------------|
|   |                 | Quantity     | Value of factory shipments | Quantity     | Value of factory shipments |
|   |                 |              | \$                         |              | \$                         |
| Paste paints (not including water-paste paints) .....               | lb.             | 4, 114, 024  | 1, 006, 491                | 3, 691, 073  | 1, 002, 264                |
| Water-thinned paints:   |                 |              |                            |              |                            |
| Resin emulsion paints, paste and semi-paste form:                   |                 |              |                            |              |                            |
| Interior .....  | Imp. gal.       | 342, 829     | 1, 081, 657                | 218, 098     | 687, 988                   |
| Exterior .....  | "               | 28, 703      | 78, 202                    | 19, 769      | 52, 234                    |
| Cold water paints:  |                 |              |                            |              |                            |
| Interior, casein and protein bound:                                 |                 |              |                            |              |                            |
| Dry and semi-paste form .....                                       | Imp. gal.       | 41, 463      | 82, 234                    | 26, 181      | 54, 634                    |
| Dry powder form .....   | lb.             | 2, 436, 015  | 290, 212                   | 1, 845, 651  | 260, 763                   |
| Glue-bound .....  | "               | 747, 516     | 58, 661                    | 319, 876     | 26, 412                    |
| Exterior:   |                 |              |                            |              |                            |
| Casein and protein bound .....                                      | "               | 124, 897     | 19, 314                    | 43, 890      | 5, 550                     |
| Lime or cement bound .....  | "               | 2, 073, 318  | 216, 007                   | 1, 921, 748  | 256, 240                   |
| Texture-type water paints .....                                     | "               | 1, 874, 622  | 148, 851                   | 1, 411, 967  | 122, 410                   |
| Latex emulsion paints .....   | Imp. gal.       | 1, 630, 400  | 7, 140, 724                | 2, 103, 061  | 8, 580, 357                |
| Calcimines:   |                 |              |                            |              |                            |
| Hot water .....   | lb.             | 1, 629, 044  | 118, 786                   | 773, 692     | 64, 437                    |
| Cold water .....  | "               | 659, 995     | 64, 174                    | 693, 072     | 90, 912                    |
| Lacquers:   |                 |              |                            |              |                            |
| Clear .....   | Imp. gal.       | 1, 337, 255  | 3, 762, 843                | 1, 681, 376  | 4, 686, 474                |
| Pigmented .....   | "               | 655, 513     | 2, 852, 831                | 659, 843     | 2, 849, 450                |
| Ready-mixed paints (including asphalt and tar paints)               | "               | 10, 553, 583 | 40, 013, 956               | 11, 252, 375 | 42, 276, 027               |
| Ready-mixed enamels, oil and synthetic types .....                  | "               | 6, 286, 691  | 27, 797, 114               | 6, 842, 619  | 30, 548, 791               |
| Stains:   |                 |              |                            |              |                            |
| Oil, spirit, varnish, creosote .....                                | "               | 432, 736     | 1, 147, 453                | 348, 673     | 924, 973                   |
| Varnishes (including japans, shellac and driers) sold as such ..... | "               | 3, 279, 908  | 8, 973, 342                | 3, 188, 462  | 8, 951, 200                |
| Floor wax .....   | —               | —            | 35, 453                    | —            | 62, 335                    |
| Oils:   |                 |              |                            |              |                            |
| Boiled linseed, core, stand, blown and enamel .....                 | —               | —            | 139, 356                   | —            | 101, 215                   |
| Paint and varnish removers .....                                    | Imp. gal.       | 101, 068     | 294, 617                   | 133, 396     | 383, 141                   |
| Patching materials:   |                 |              |                            |              |                            |
| For walls .....   | lb.             | 4, 138, 310  | 349, 045                   | 4, 493, 098  | 414, 201                   |
| For floors .....  | "               | 350, 629     | 66, 525                    | 322, 162     | 61, 954                    |
| Putty .....   | "               | 9, 322, 822  | 725, 385                   | 8, 974, 428  | 691, 883                   |
| Thinners:   |                 |              |                            |              |                            |
| Lacquer, paint and enamel .....                                     | Imp. gal.       | 2, 150, 810  | 3, 155, 209                | 2, 292, 978  | 3, 471, 035                |
| Wall size and other sizing materials .....                          | lb.             | 180, 393     | 66, 758                    | 225, 813     | 43, 333                    |
| All other products <sup>1</sup> .....                               | —               | —            | 7, 720, 964                | —            | 6, 577, 592                |
| <b>Total value of products .....</b>                                | <b>—</b>        | <b>—</b>     | <b>107, 406, 164</b>       | <b>—</b>     | <b>113, 247, 805</b>       |

1. Includes data for items reported by less than three firms, such as caulking materials, auto polish, furniture polish, etc.

TABLE 4. Materials Used in the Paints, Varnishes and Lacquers Industry, 1952 and 1953

| Material                                  | 1952         |               | 1953         |               |
|---|--------------|---------------|--------------|---------------|
|   | Quantity     | Cost at works | Quantity     | Cost at works |
|   | lb.          | \$            | lb.          | \$            |
| <b>Prime pigments:</b>                    |              |               |              |               |
| <b>White:</b>                             |              |               |              |               |
| Antimony oxide .....                      | 33, 115      | 13, 225       | 55, 308      | 15, 720       |
| Basic carbonate white lead — dry .....    | 1, 820, 413  | 375, 750      | 1, 574, 194  | 278, 345      |
| Basic carbonate white lead — in oil ..... | 516, 491     | 112, 954      | 480, 604     | 98, 282       |
| Basic silicate white lead .....           | 766, 471     | 153, 843      | 993, 556     | 189, 321      |
| Basic sulphate white lead .....           | 296, 237     | 57, 128       | 348, 530     | 54, 381       |
| Lithopone (30% zinc sulphide) .....       | 6, 400, 692  | 574, 776      | 6, 088, 455  | 553, 331      |
| Titanium dioxide .....                    | 15, 756, 185 | 3, 841, 422   | 21, 190, 312 | 4, 764, 592   |
| Extended titanium dioxide pigments .....  | 25, 546, 557 | 2, 388, 204   | 25, 814, 234 | 2, 421, 222   |
| Zinc oxide — lead-free .....              | 4, 528, 688  | 824, 036      | 5, 185, 065  | 736, 250      |
| Zinc oxide — leaded .....                 | 1, 680, 382  | 292, 476      | 988, 541     | 139, 153      |
| Other white pigments .....                | 925, 620     | 49, 465       | 1, 605, 390  | 68, 532       |

TABLE 4. Materials Used in the Paints, Varnishes and Lacquers Industry, 1952 and 1953 - Continued

| Material  | 1952       |               | 1953       |               |
|---|------------|---------------|------------|---------------|
|   | Quantity   | Cost at works | Quantity   | Cost at works |
|   | lb.        | \$            | lb.        | \$            |
| <b>Prime pigments - concluded:</b>              |            |               |            |               |
| <b>Black:</b>                                   |            |               |            |               |
| Lampblack .....                                 | 150,650    | 34,281        | 173,563    | 31,216        |
| Bone black .....                                | 84,359     | 14,994        | 93,099     | 17,097        |
| Carbon black .....                              | 328,649    | 86,276        | 351,483    | 102,798       |
| Graphite .....                                  | 138,379    | 11,012        | 108,870    | 8,811         |
| Other black pigments .....                      | 88,847     | 22,393        | 64,578     | 15,113        |
| <b>Coloured:</b>                                |            |               |            |               |
| C.P. chrome yellows and oranges .....           | 1,409,887  | 523,313       | 1,182,366  | 432,522       |
| Chrome yellows and oranges (extended) .....     | 67,370     | 27,476        | 172,774    | 57,988        |
| Zinc chromate .....                             | 435,050    | 132,037       | 502,895    | 148,967       |
| Other yellow and orange pigments .....          | 330,142    | 212,668       | 399,880    | 249,940       |
| C.P. chrome greens .....                        | 727,274    | 349,146       | 876,095    | 409,883       |
| Chrome greens (extended) .....                  | 243,642    | 56,792        | 256,745    | 62,416        |
| Other green pigments .....                      | 144,861    | 166,593       | 180,740    | 224,613       |
| Toluidine reds .....                            | 310,416    | 433,806       | 395,304    | 498,972       |
| Para reds .....                                 | 135,317    | 126,842       | 182,695    | 124,805       |
| Other organic red pigments .....                | 187,193    | 270,617       | 224,091    | 329,347       |
| Iron blues .....                                | 199,778    | 108,212       | 204,480    | 114,627       |
| Ultramarine blues .....                         | 257,469    | 77,658        | 267,990    | 74,773        |
| Other blue pigments .....                       | 54,560     | 157,181       | 59,746     | 200,328       |
| Iron oxides .....                               | 4,881,858  | 406,781       | 4,912,177  | 450,031       |
| Ochres, siennas, umbers .....                   | 454,950    | 49,738        | 486,852    | 54,180        |
| Red lead, including orange mineral .....        | 1,291,406  | 293,327       | 1,334,051  | 255,554       |
| Litharge .....                                  | 432,409    | 85,252        | 508,840    | 85,261        |
| Metallic powders (aluminum, bronze, etc.) ..... | 734,315    | 361,819       | 1,042,674  | 504,976       |
| All other coloured pigments .....               | 263,541    | 160,202       | 277,722    | 237,018       |
| <b>Extender pigments:</b>                       |            |               |            |               |
| Aluminum stearate .....                         | 198,669    | 78,984        | 219,847    | 82,471        |
| Asbestine or talc .....                         | 14,528,661 | 355,193       | 15,675,026 | 374,832       |
| Barytes .....                                   | 2,101,275  | 77,307        | 2,400,280  | 92,883        |
| Blanc fixe .....                                | 462,726    | 18,123        | 494,611    | 17,390        |
| Calcium carbonate (whiting and chalk) .....     | 21,197,022 | 383,295       | 23,264,397 | 420,435       |
| Calcium sulphate (gypsum) .....                 | 1,493,895  | 22,792        | 2,069,321  | 29,794        |
| Kaolin or china clay .....                      | 3,312,060  | 59,759        | 3,039,855  | 59,184        |
| Mica .....                                      | 1,503,321  | 71,298        | 1,686,228  | 80,916        |
| Silica sand and ground quartz .....             | 2,984,995  | 65,676        | 2,701,584  | 69,096        |
| Other extender pigments .....                   | 7,429,106  | 334,862       | 7,401,968  | 334,597       |
| <b>Oils:</b>                                    |            |               |            |               |
| <b>Linseed oil:</b>                             |            |               |            |               |
| Raw .....                                       | 12,443,514 | 2,163,846     | 13,181,420 | 1,736,007     |
| Boiled .....                                    | 10,447,049 | 1,963,964     | 10,298,178 | 1,463,059     |
| Blown .....                                     | 1,647,883  | 360,783       | 1,915,646  | 261,064       |
| Heat-bodied .....                               | 6,766,033  | 1,441,943     | 6,912,676  | 1,168,085     |
| <b>Processed:</b>                               |            |               |            |               |
| Polymerol .....                                 | 419,821    | 101,911       | 669,282    | 114,419       |
| Varnol .....                                    | 347,127    | 96,203        | 485,956    | 94,393        |
| <b>Castor oil:</b>                              |            |               |            |               |
| Raw .....                                       | 1,075,096  | 380,737       | 895,190    | 213,725       |
| Dehydrated .....                                | 1,312,612  | 465,929       | 1,029,227  | 302,632       |
| China wood (tung) oil .....                     | 4,866,361  | 1,719,950     | 4,671,079  | 1,222,755     |
| Fish oils .....                                 | 593,800    | 100,949       | 483,073    | 74,586        |
| Oiticica oil .....                              | 194,029    | 53,993        | 102,150    | 26,353        |
| Perilla oil .....                               | 110        | 21            | -          | -             |
| Soyabean oil .....                              | 5,275,902  | 834,197       | 6,758,272  | 1,045,220     |
| Tall oil .....                                  | 566,294    | 49,381        | 798,488    | 70,731        |
| Other oils .....                                | 2,539,192  | 367,356       | 3,031,384  | 456,362       |

TABLE 4. Materials Used in the Paints, Varnishes and Lacquers Industry, 1952 and 1953 - Concluded

| Material   | 1952       |                   | 1953       |                   |
|--|------------|-------------------|------------|-------------------|
|  | Quantity   | Cost at Works     | Quantity   | Cost at Works     |
|  | lb.        | \$                | lb.        | \$                |
| <b>Resins:</b>                                     |            |                   |            |                   |
| Natural:   |            |                   |            |                   |
| Copal .....  | 108,168    | 23,989            | 43,954     | 8,384             |
| Manilla .....                                      | 73,909     | 16,504            | 58,571     | 8,150             |
| Damaar .....                                       | 80,433     | 20,363            | 87,049     | 24,420            |
| Kauri .....  | 6,338      | 1,539             | 62,808     | 9,045             |
| Rosin .....  | 3,424,059  | 356,551           | 3,590,625  | 347,036           |
| Other .....  | 764,054    | 87,093            | 819,315    | 88,129            |
| Synthetic:   |            |                   |            |                   |
| Ester gum .....                                    | 2,255,468  | 399,801           | 2,044,091  | 344,656           |
| Maleics .....                                      | 1,335,244  | 321,346           | 1,683,614  | 369,764           |
| Pure phenolics .....                               | 511,521    | 215,406           | 617,931    | 249,288           |
| Modified phenolics .....                           | 2,134,106  | 545,156           | 2,308,487  | 619,653           |
| Alkyds .....                                       | 13,739,213 | 3,190,496         | 19,090,495 | 3,898,990         |
| Amines .....                                       | 608,662    | 224,140           | 963,252    | 328,848           |
| Other .....  | 2,102,852  | 620,401           | 2,743,886  | 775,519           |
| Shellac:   |            |                   |            |                   |
| Orange .....                                       | 311,941    | 130,315           | 308,775    | 106,024           |
| Bleached .....                                     | 569,505    | 302,564           | 643,284    | 302,286           |
| Other .....  | 39,778     | 23,680            | 31,082     | 17,623            |
| <b>Solvents:</b>                                   |            |                   |            |                   |
| Turpentine .....                                   | 2,568,384  | 230,604           | 2,840,567  | 232,781           |
| Petroleum distillates .....                        | 76,094,762 | 2,518,768         | 89,213,109 | 2,889,758         |
| Toluol .....                                       | 9,512,081  | 513,246           | 11,665,548 | 609,788           |
| Xylol .....  | 6,443,178  | 374,721           | 7,315,467  | 412,407           |
| Benzol .....                                       | 542,769    | 32,826            | 504,431    | 32,163            |
| Coal tar solvents, not elsewhere specified .....   | 2,442,223  | 141,989           | 3,529,603  | 196,811           |
| Acetone .....                                      | 699,925    | 96,969            | 778,580    | 90,349            |
| Amyl acetate .....                                 | 386,787    | 88,291            | 558,627    | 128,565           |
| Butyl acetate .....                                | 3,375,671  | 571,974           | 4,164,503  | 608,878           |
| Ethyl acetate .....                                | 5,137,810  | 632,431           | 5,359,738  | 669,582           |
| Alcohol, ethyl (denatured or not) .....            | 2,531,927  | 338,836           | 3,488,169  | 351,562           |
| Alcohol, methyl (wood or methylated spirits) ..... | 656,171    | 79,282            | 681,301    | 71,462            |
| Alcohol, isopropyl .....                           | 809,943    | 80,415            | 806,231    | 79,644            |
| Creosote .....                                     | 292,183    | 18,654            | 372,887    | 23,628            |
| Amyl alcohol (fusel oil) .....                     | 19,972     | 3,929             | 9,014      | 1,843             |
| Butyl alcohol .....                                | 1,530,701  | 260,068           | 1,766,651  | 267,229           |
| Dibutyl phthalate .....                            | 198,768    | 64,573            | 258,400    | 76,729            |
| Other plasticizers .....                           | 475,503    | 142,402           | 269,320    | 96,911            |
| Methyl ethyl ketone .....                          | 415,034    | 56,967            | 595,881    | 89,257            |
| Other paint, varnish and lacquer solvents .....    | 3,128,686  | 414,675           | 3,175,253  | 485,583           |
| <b>Driers:</b>                                     |            |                   |            |                   |
| Naphthenates .....                                 | 1,743,746  | 559,784           | 2,053,973  | 642,735           |
| Resinates .....                                    | 56,108     | 16,484            | 94,725     | 25,839            |
| Linoleates .....                                   | 57,870     | 20,722            | 41,493     | 14,407            |
| Other driers .....                                 | 160,321    | 65,347            | 116,114    | 44,283            |
| <b>Miscellaneous:</b>                              |            |                   |            |                   |
| Latex emulsion .....                               | 7,152,965  | 1,134,977         | 8,713,095  | 1,471,912         |
| Pentaerythritol .....                              | 1,002,420  | 353,986           | 1,262,958  | 430,259           |
| Phthalic anhydride .....                           | 4,716,951  | 1,137,613         | 5,578,587  | 973,561           |
| Glycerine .....                                    | 1,281,869  | 478,303           | 1,576,659  | 686,053           |
| Asphalt .....                                      | 4,800,702  | 121,802           | 4,105,878  | 122,517           |
| Pitch, coal tar .....                              | 1,148,201  | 31,505            | 1,595,464  | 64,013            |
| Varnishes .....                                    | 4,512,511  | 911,189           | 3,164,525  | 547,201           |
| Wax:   |            |                   |            |                   |
| Beeswax .....                                      | 1,545      | 1,062             | 2,266      | 1,579             |
| Carnauba .....                                     | 17,151     | 18,721            | 32,041     | 37,734            |
| Paraffin .....                                     | 92,324     | 10,606            | 141,977    | 15,983            |
| Other .....  | 27,481     | 11,467            | 63,013     | 19,291            |
| Casein .....                                       | 418,823    | 127,391           | 423,776    | 104,393           |
| Glue .....   | 261,909    | 65,137            | 230,936    | 71,454            |
| Nitrocellulose .....                               | 1,979,536  | 636,744           | 2,478,350  | 714,353           |
| Chlorinated rubber .....                           | 204,848    | 103,298           | 241,579    | 124,573           |
| Ethyl cellulose .....                              | 99,155     | 62,237            | 59,206     | 38,543            |
| All other materials and process supplies .....     | —          | 3,415,875         | —          | 3,306,754         |
| Containers (metal, fibre, glass) .....             | —          | 4,464,347         | —          | 5,156,705         |
| Packing material (cartons, boxes, crates) .....    | —          | 1,809,181         | —          | 1,793,806         |
| <b>Total cost of materials .....</b>               | <b>—</b>   | <b>53,118,889</b> | <b>—</b>   | <b>55,144,047</b> |

TABLE 5. Production, Imports and Exports of Paints, Varnishes and Pigments, 1944-1953

| Year                         | Production  | Imports    | Exports   |
|------------------------------|-------------|------------|-----------|
|                              | \$          | \$         | \$        |
| <b>Paints and varnishes:</b> |             |            |           |
| 1944 .....                   | 42,642,000  | 1,237,000  | 875,000   |
| 1945 .....                   | 44,350,000  | 1,293,000  | 1,472,000 |
| 1946 .....                   | 52,973,000  | 1,788,000  | 2,004,000 |
| 1947 .....                   | 64,881,000  | 2,580,000  | 3,031,000 |
| 1948 .....                   | 75,839,000  | 1,147,000  | 1,132,000 |
| 1949 .....                   | 75,410,000  | 1,711,000  | 626,000   |
| 1950 .....                   | 84,122,000  | 2,149,000  | 375,000   |
| 1951 .....                   | 94,658,000  | 2,629,000  | 961,000   |
| 1952 .....                   | 95,961,000  | 2,519,000  | 684,000   |
| 1953 .....                   | 102,390,000 | 3,410,000  | 547,000   |
| <b>Pigments<sup>1</sup>:</b> |             |            |           |
| 1944 .....                   | 7,658,000   | 6,212,000  | 1,652,000 |
| 1945 .....                   | 8,026,000   | 7,343,000  | 2,486,000 |
| 1946 .....                   | 9,046,000   | 7,615,000  | 2,374,000 |
| 1947 .....                   | 13,271,000  | 10,821,000 | 4,267,000 |
| 1948 .....                   | 13,479,000  | 13,096,000 | 4,828,000 |
| 1949 .....                   | 11,360,000  | 12,133,000 | 2,964,000 |
| 1950 .....                   | 14,219,000  | 16,030,000 | 3,646,000 |
| 1951 .....                   | 19,352,000  | 18,196,000 | 7,032,000 |
| 1952 .....                   | 14,216,000  | 14,663,000 | 3,084,000 |
| 1953 .....                   | 15,482,000  | 17,742,000 | 3,024,000 |

1. Production includes white lead, red lead and litharge; colours, dry and in oils; acetylene black, satin white, zinc oxide, bronze powder, cobalt oxide, cobalt sulphate, carbon black, copper oxide, aluminum paste, paint graphite and synthetic iron oxide.

TABLE 6. Production, Imports and Exports of Putty, 1944-1953

| Year       | Production |                        | Imports  |        | Exports  |        |
|------------|------------|------------------------|----------|--------|----------|--------|
|            | Quantity   | Selling value at works | Quantity | Value  | Quantity | Value  |
|            | lb.        | \$                     | lb.      | \$     | lb.      | \$     |
| 1944 ..... | 8,809,000  | 371,000                | 112,000  | 15,000 | 181,000  | 8,000  |
| 1945 ..... | 10,180,000 | 446,000                | 185,000  | 24,000 | 252,000  | 15,000 |
| 1946 ..... | 11,527,000 | 522,000                | 261,000  | 33,000 | 624,000  | 29,000 |
| 1947 ..... | 12,633,000 | 722,000                | 332,000  | 40,000 | 840,000  | 48,000 |
| 1948 ..... | 12,645,000 | 870,000                | 208,000  | 34,000 | 438,000  | 28,000 |
| 1949 ..... | 11,481,000 | 825,000                | 123,000  | 22,000 | 241,000  | 14,000 |
| 1950 ..... | 12,221,000 | 836,000                | 272,000  | 33,000 | 72,000   | 4,000  |
| 1951 ..... | 11,032,000 | 807,000                | 185,000  | 36,000 | 89,000   | 5,000  |
| 1952 ..... | 11,176,000 | 817,000                | 162,000  | 32,000 | 80,000   | 5,000  |
| 1953 ..... | 11,159,000 | 814,000                | 347,000  | 48,000 | 59,900   | 3,604  |

TABLE 7. Imports of Paints, Pigments and Varnishes, for Consumption, 1952 and 1953

| Item   | Unit of measure | 1952       |                   | 1953       |                   |
|--|-----------------|------------|-------------------|------------|-------------------|
|  |                 | Quantity   | Value             | Quantity   | Value             |
|  |                 |            | \$                |            | \$                |
| Litharge .....   | cwt.            | 11,725     | 231,159           | 16,433     | 274,654           |
| Lead, red, dry and orange mineral .....  | lb.             | 151,401    | 27,844            | 210,813    | 34,212            |
| Lead, white, dry .....   | "               | 23,779     | 4,240             | 71,200     | 10,883            |
| Lead, white, ground in oil .....   | "               | 600        | 154               | 1,018      | 314               |
| Antimony oxide .....   | "               | 173,213    | 57,609            | 128,850    | 32,773            |
| Titanium oxide .....   | "               | 48,410,519 | 6,456,368         | 63,799,713 | 8,466,845         |
| Black, carbon .....  | "               | 58,113,639 | 3,707,570         | 57,376,174 | 3,717,524         |
| Blacks, bone and ivory .....   | "               | 152,510    | 24,717            | 274,695    | 45,063            |
| Black, lamp .....  | "               | 235,589    | 43,974            | 274,490    | 48,317            |
| Blanc fixe .....   | "               | 423,447    | 19,281            | 523,140    | 18,962            |
| Brocade and bronze powders .....   | "               | 13,951     | 16,656            | 16,010     | 17,344            |
| Lithopone .....  | "               | 6,309,048  | 481,466           | 6,696,811  | 474,638           |
| Oxide of cobalt .....  | "               | 1          | 1                 | 28,500     | 47,833            |
| Oxide of copper .....  | "               | 159,759    | 42,444            | 124,453    | 54,672            |
| Oxide of tin .....   | "               | 55,278     | 64,043            | 60,586     | 55,319            |
| Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p. ....   | "               | 8,429,456  | 3,016,916         | 10,515,795 | 3,869,255         |
| Paris green, dry .....   | "               | 79,400     | 19,804            | 3,351      | 1,162             |
| Satin white .....  | "               | 259,087    | 3,191             | 217,351    | 3,615             |
| Ultramarine blue, dry or in pulp .....   | "               | 586,724    | 132,525           | 722,190    | 153,241           |
| Zinc white (zinc oxide) .....  | "               | 1,454,060  | 226,247           | 2,763,555  | 343,820           |
| Ochres, ochrey earths, siennas and umbers .....  | "               | 1,995,649  | 56,740            | 2,342,129  | 71,564            |
| Artists' paints, n.o.p., ground and liquid .....   | -               | -          | 400,096           | -          | 593,332           |
| Gold liquid paint .....  | -               | -          | 3,119             | -          | 7,542             |
| Liquid fillers, anti-corrosive and anti-fouling paints, and ground and liquid paints, n.o.p. ....  | gal.            | 334,292    | 1,127,557         | 509,483    | 1,652,887         |
| Paints and colours, ground in spirits, and all spirit varnishes and lacquers .....   | "               | 56,948     | 268,654           | 66,412     | 289,942           |
| Varnishes, lacquers, japans, japan driers, liquid driers and oil finish, n.o.p. ....   | "               | 162,356    | 487,987           | 151,943    | 509,281           |
| Stains and oxides, valued at not less than 20 cents per pound, for use exclusively as colouring constituents in the manufacture of vitreous enamels and pottery glazes; and liquid gold paint for use exclusively in the manufacture of tableware china, porcelain or semi-porcelain ..... | lb.             | 197,458    | 231,171           | 387,043    | 356,815           |
| <b>Total</b> .....   | -               | -          | <b>17,181,532</b> | -          | <b>21,151,809</b> |

1. Not available separately.



TABLE 8. Exports of Paints, Pigments and Varnishes, 1952 and 1953

| Item  | Unit of measure | 1952         |                    | 1953         |                    |
|---|-----------------|--------------|--------------------|--------------|--------------------|
|   |                 | Quantity     | Value              | Quantity     | Value              |
|   |                 |              | \$                 |              | \$                 |
| Black, acetylene, carbon, gas and lamp..... | lb.             | 12, 518, 313 | 1, 837, 379        | 15, 279, 625 | 2, 359, 254        |
| Iron oxides.....                            | cwt.            | 61, 203      | 350, 614           | 60, 955      | 359, 886           |
| Mineral pigments, n.o.p. ....               | "               | 36, 625      | 742, 608           | 26, 250      | 304, 253           |
| White lead, dry or in oil .....             | "               | 8, 423       | 153, 518           | 15           | 248                |
| Enamels and lacquers .....                  | -               | -            | 83, 399            | -            | 51, 587            |
| Paints, n.o.p. ....                         | -               | -            | 564, 813           | -            | 468, 677           |
| Varnish .....                               | gal.            | 11, 068      | 35, 544            | 10, 555      | 26, 890            |
| <b>Total</b> .....                          | -               | -            | <b>3, 767, 875</b> | -            | <b>3, 570, 795</b> |

Note: The letters "n.o.p." mean "not otherwise provided for".

TABLE 9. Employees and Their Earnings, by Provinces, 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.....            | 815                    | 427        | 947                | 167        | 2, 356        | 3, 982, 368            | 2, 903, 339         | 6, 885, 707         |
| Ontario.....           | 609                    | 361        | 1, 559             | 107        | 2, 636        | 3, 324, 627            | 4, 882, 988         | 8, 207, 615         |
| Manitoba .....         | 55                     | 19         | 147                | 28         | 249           | 209, 120               | 365, 132            | 574, 252            |
| British Columbia ..... | 91                     | 51         | 204                | 45         | 391           | 517, 911               | 663, 217            | 1, 181, 128         |
| Other provinces .....  | 32                     | 11         | 86                 | 23         | 152           | 157, 590               | 214, 041            | 371, 631            |
| <b>Canada</b> .....    | <b>1, 602</b>          | <b>869</b> | <b>2, 943</b>      | <b>370</b> | <b>5, 784</b> | <b>8, 191, 616</b>     | <b>9, 028, 717</b>  | <b>17, 220, 333</b> |
| <b>1953</b>            |                        |            |                    |            |               |                        |                     |                     |
| Quebec.....            | 760                    | 411        | 957                | 164        | 2, 292        | 4, 594, 208            | 3, 235, 718         | 7, 829, 926         |
| Ontario.....           | 649                    | 375        | 1, 652             | 110        | 2, 786        | 3, 643, 825            | 5, 485, 467         | 9, 129, 292         |
| Manitoba .....         | 47                     | 21         | 159                | 22         | 249           | 226, 091               | 401, 871            | 627, 962            |
| British Columbia ..... | 97                     | 53         | 214                | 43         | 407           | 558, 662               | 677, 764            | 1, 236, 426         |
| Other provinces .....  | 34                     | 12         | 85                 | 22         | 153           | 166, 736               | 247, 467            | 414, 203            |
| <b>Canada</b> .....    | <b>1, 587</b>          | <b>872</b> | <b>3, 067</b>      | <b>361</b> | <b>5, 887</b> | <b>9, 189, 522</b>     | <b>10, 048, 287</b> | <b>19, 237, 809</b> |

TABLE 10. Capital and Repair Expenditures in the Paints, Varnishes and Lacquers 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 .....              | 761                  | 766                     | 1, 527    | 362                                 | 507                     | 869       | 2, 396                                |
| 1950 .....              | 578                  | 742                     | 1, 320    | 269                                 | 561                     | 830       | 2, 150                                |
| 1951 .....              | 1, 496               | 1, 166                  | 2, 662    | 351                                 | 737                     | 1, 088    | 3, 750                                |
| 1952 .....              | 1, 100               | 898                     | 1, 998    | 333                                 | 700                     | 1, 033    | 3, 031                                |
| 1953 <sup>1</sup> ..... | 1, 816               | 1, 293                  | 3, 109    | 354                                 | 804                     | 1, 158    | 4, 267                                |

1. Preliminary.

TABLE 11. Fuel and Electricity Used<sup>1</sup> in the Paints, Varnishes and Lacquers Industry, 1948 and 1953

| Kind  | Unit of measure | 1948       |                     | 1953       |                     |
|---|-----------------|------------|---------------------|------------|---------------------|
|   |                 | Quantity   | Cost at works<br>\$ | Quantity   | Cost at works<br>\$ |
| Bituminous coal:                                    |                 |            |                     |            |                     |
| Canadian .....                                      | ton             | 1,319      | 14,064              | 1,206      | 15,818              |
| Imported .....                                      | "               | 13,395     | 141,531             | 5,846      | 64,726              |
| Sub-bituminous coal (from Alberta mines only) ..... | "               | 225        | 2,187               | —          | —                   |
| Anthracite coal .....                               | "               | 205        | 3,221               | 698        | 10,950              |
| Lignite coal .....                                  | "               | 559        | 3,027               | 123        | 1,002               |
| Coke .....  | "               | 817        | 14,832              | 468        | 10,237              |
| Gasoline .....                                      | Imp. gal.       | 97,073     | 35,004              | 104,274    | 41,649              |
| Kerosene .....                                      | "               | 1,060      | 191                 | 14,401     | 3,365               |
| Fuel oil .....                                      | "               | 1,364,042  | 177,717             | 2,492,240  | 295,016             |
| Gas:  |                 |            |                     |            |                     |
| Liquefied petroleum gases (propane, etc.) .....     | Imp. gal.       | 2          | 2                   | 670        | 425                 |
| Manufactured .....                                  | M cu. ft.       | 10,958     | 10,503              | 9,236      | 12,588              |
| Natural .....                                       | M cu. ft.       | 1,367      | 1,499               | 2,145      | 2,273               |
| Wood .....  | cord            | 37         | 397                 | 92         | 701                 |
| Other fuel .....                                    | —               | —          | 5,042               | —          | 3,525               |
| Electricity purchased .....                         | k.w.h.          | 15,784,533 | 207,473             | 26,041,011 | 294,117             |
| <b>Total</b> .....                                  | —               | —          | <b>616,688</b>      | —          | <b>756,392</b>      |

1. Details shown in Tables 11 and 12 are collected only every five years; accordingly, data for intervening years are not available.

2. Not available separately.

TABLE 12. 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 |
| 1948   |                   |                         |                    |                         |
| Steam engines .....  | 5                 | 232                     | 2                  | 12                      |
| Gasoline engines .....   | 2                 | 91                      | —                  | —                       |
| <b>Total primary</b> .....                                     | <b>7</b>          | <b>323</b>              | <b>2</b>           | <b>12</b>               |
| Electric motors operated by purchased power .....              | 2,959             | 15,632                  | 91                 | 433                     |
| <b>Total</b> .....   | <b>2,966</b>      | <b>15,955</b>           | <b>93</b>          | <b>445</b>              |
| Stationary power boilers .....                                 | 19                | 2,872                   | 1                  | 15                      |
| Motor-generator sets .....                                     | 1                 | 25 k.v.a.               | —                  | —                       |
| 1953   |                   |                         |                    |                         |
| Steam engines .....  | 1                 | 200                     | 1                  | 192                     |
| Diesel engines .....   | —                 | —                       | 1                  | 100                     |
| Gasoline, gas and oil engines, other than Diesel engines ..... | 9                 | 355                     | —                  | —                       |
| <b>Total primary</b> .....                                     | <b>10</b>         | <b>555</b>              | <b>2</b>           | <b>292</b>              |
| Electric motors operated by purchased power .....              | 4,286             | 18,999                  | 184                | 1,191                   |
| <b>Total</b> .....   | <b>4,296</b>      | <b>19,554</b>           | <b>186</b>         | <b>1,483</b>            |
| Stationary power boilers .....                                 | 4                 | 650                     | —                  | —                       |
| Motor-generator sets .....                                     | 1                 | 15 k.v.a.               | 3                  | 156 k.v.a.              |

1. See footnote to Table 11.

## Directory of Firms in the Paints, Varnishes and Lacquers Industry, 1953

| Name of firm  | Location of plant                              |
|---|--|
| <b>Newfoundland:</b>                                |  |
| Standard Mfg. Co. Ltd. ....                         | Water St. East, St. John's                     |
| <b>Nova Scotia:</b>                                 |  |
| Brandram-Henderson, Limited .....                   | 30 Kempt Road, Halifax                         |
| Tibbets Paint Limited .....                         | Glass St., Trenton                             |
| <b>New Brunswick:</b>                               |  |
| Maritime Paint and Chemical Co., Ltd. ....          | 348 Main St., Moncton                          |
| <b>Quebec:</b>                                      |  |
| Abbot Paint Co. Inc. ....                           | 425 River St., Verdum                          |
| Ares Industries Limited .....                       | 8602, rue de l'Épée, Montréal                  |
| Brandram-Henderson, Limited .....                   | 6684 St. Urbain St., Montréal                  |
| Canadian Industries, Limited .....                  | 6930 Clanranald St., Montréal                  |
| Canadian Pittsburgh Industries Ltd. ....            | 2740 St. Patrick St., Montréal                 |
| Charters Chemical Ltd. ....                         | 4328 St. Lawrence Blvd., Montréal              |
| Chateau Paint Works Inc. ....                       | 6833 Park Ave., Montréal                       |
| Coatwell Paint and Varnish Co. Ltd. ....            | 147 Nazareth St., Montréal                     |
| Conant Paints Limited .....                         | 3975 St. Ambroise St., Montréal                |
| Crown Diamond Paint Co. Ltd. ....                   | 41 Bates Road, Outremont                       |
| Continental Paint and Varnish Works .....           | 272 Turgeon St., Montréal                      |
| Durity Paint and Lacquer Co., Ltd. ....             | 4230 Hogan St., Montréal                       |
| Gallant Paint Company Ltd. ....                     | Charlemagne                                    |
| International Lacquer Products .....                | 6935 Park Ave., Montréal                       |
| International Paints (Canada) Ltd. ....             | 6700 Park Ave., Montréal                       |
| Jamieson, Jas. W., & Co. Ltd. ....                  | 2691 Charlemagne St., Montréal                 |
| La Cie de Peintures & Vernis Mont Royal, Ltée ..... | 5669 Casgrain St., Montréal                    |
| La Peinture Québec Inc. ....                        | 49, rue Sault-au-Matelot, Québec               |
| Lacquer Products Co., Limited .....                 | Sydeman Ave., Granby                           |
| Laurentide Chemicals Reg'd. ....                    | 475-5th Ave., Shawinigan Falls                 |
| Liquid Steel Paint Products Co., Ltd. ....          | 7525 St. Hubert, Montréal                      |
| Miville, J.B., & Co. ....                           | 10080 Montée St-Laurent, Montréal              |
| Peinture Nationale Limitée .....                    | 120, rue Carillon, Québec                      |
| Peinture Sico Ltée (Sico Paint, Ltd.) .....         | 120, boul. d'Orléans, Québec                   |
| Plastics & Chemicals Ltd. ....                      | 840 LaFleur Ave., Ville La Salle               |
| Protective Coatings Limited .....                   | 1080 Pratt Ave., Outremont                     |
| Reardon Company, Limited .....                      | 146 St. Peter St., Montréal                    |
| Ritchie Manufacturing Co. ....                      | 1081 Wellington St., Montréal                  |
| Service Paint Co. ....                              | 1351 Laurier Ave. E., Montréal                 |
| Sherwin-Williams Co. of Canada, Ltd. ....           | 2875 Centre St., and 1957 Hunter St., Montréal |
| Steel Company of Canada, Limited .....              | 2320 Notre Dame St. W., Montréal               |
| Walsh, Robert, Co. Ltd. ....                        | 514 Baldwin St., Montréal                      |
| Wesco Water Paints (Canada) Ltd. ....               | 2100 St. Patrick St., Montréal                 |
| Zenith Paint, Incorporated .....                    | 1884 Darling St., Montréal                     |
| <b>Ontario:</b>                                     |  |
| Alma Paint and Varnish Company, Ltd. ....           | 65 Duke St., London                            |
| Acme Paint and Varnish Co. Ltd. ....                | 120-24th St., Long Branch                      |
| Allen, Geo., Company Ltd. ....                      | 1207 Roselawn, Toronto                         |
| Armet Industries Limited .....                      | 155 Surrey St., Guelph                         |
| Aulcraft Paints Ltd. ....                           | 313 Symington Ave., Toronto                    |
| Bedford Paint Company .....                         | 248 Birmingham Ave., New Toronto               |
| Berry Brothers Inc. ....                            | 1106 Walker Road, Walkerville                  |
| British Paints (Canada) Limited .....               | Oakville                                       |
| Canada Varnish Co. Ltd. ....                        | 53-67 Laird Drive, Leaside                     |
| Canadian Alumaton Corp. Ltd. ....                   | 2001 Eglinton Ave. E., Scarborough             |
| Canadian General Electric Company Limited .....     | 940 Lansdowne Ave., Toronto                    |
| Canadian Industries, Limited .....                  | Perth and Kingsley Sts., Toronto               |
| Canadian Industries, Limited .....                  | Castlefield and Ronald Aves., Toronto          |
| Canadian Pittsburgh Industries Ltd. ....            | 1600 Lake Shore, Long Branch                   |
| Canadian Pittsburgh Industries Ltd. ....            | 1160 Central Ave., Windsor                     |
| Certified Paints Limited .....                      | 133 Laird Drive, Leaside                       |
| Commercial Chemicals Limited .....                  | Dixie  |
| Cosmos Chemical Co., Ltd. ....                      | Cavan St., Port Hope                           |
| Essex Paint Co. ....                                | 843 Louis Ave., Windsor                        |
| Glidden Co., Limited .....                          | 351 Wallace Ave., Toronto                      |
| Goudey, John E., Manufacturing Ltd. ....            | 21 Primrose Ave., Toronto                      |
| Great Lakes Paint & Varnish Co. Ltd. ....           | Rodney   |
| Gypsum, Lime and Alabastine, Canada, Ltd. ....      | Willow St., Paris                              |
| Hamilton Paint and Varnish Works Limited .....      | 65 Biggar Ave., Hamilton                       |



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## Directory of Firms in the Paints, Varnishes and Lacquers Industry, 1953 - Concluded

| Name of firm  | Location of plant                            |
|---|--|
| <b>Ontario - concluded:</b>                           |  |
| Hannah Varnish Company, Limited .....                 | 95 Water St. North, Galt                     |
| Heaman Paint Company Limited .....                    | 1093 Margaret St., London                    |
| Horn, A.C., Company, Ltd. ....                        | 19 Lawrence, Toronto                         |
| Imperial Varnish and Colour Co., Ltd. ....            | 6 Morse St., Toronto                         |
| Industrial Coating Company .....                      | 840 Eastern Ave., Toronto                    |
| Jacroy Canada Limited .....                           | 421 Comstock Rd., Scarboro                   |
| Lakeside Varnish & Lacquer Mfg. Co. Limited .....     | Montcalm Ave. York Twp., Toronto             |
| Lowe Brothers Company, Ltd. ....                      | 263 Sorauren Ave., Toronto                   |
| McKinnon Paint & Chemicals Ltd. ....                  | 142 Talbot St., St. Thomas                   |
| MacDonald & White Varnish & Paint Co. Ltd. ....       | Riverside                                    |
| Masse Manufacturing Company Ltd. ....                 | 264 Macdonell Ave., Toronto                  |
| Maurice Paint Co. ....                                | 269 Main St. N., Weston                      |
| Mercury Varnish Co., Ltd. ....                        | 94½ Queenston St., St. Catharines            |
| Mitchell Colour & Chemical Company Ltd. ....          | 336 Birchmount Road, Toronto                 |
| Moore, Benjamin, and Co., Ltd. ....                   | Mulock and Lloyd Ave., Toronto               |
| Morin, J.H., & Company, Limited .....                 | 54 Colborne St., Toronto                     |
| National Paint Products .....                         | 57 Rutherford St., Toronto                   |
| Niagara Paint & Chemical Co., Ltd. ....               | Hillyard St., Hamilton                       |
| Northern Paint & Varnish Co., Ltd. ....               | 1st Ave. West, Owen Sound                    |
| Nyolite Chemical Co. ....                             | 290 Ave. Road, Toronto                       |
| Ontario Paint and Varnish Co., Ltd. ....              | 268 Pape Ave., Toronto                       |
| O.P.W. Paints Limited .....                           | 687 Wellington St., Ottawa                   |
| Paralac Paint Mfg. Co. ....                           | 3775 Dundas St. W., Toronto                  |
| Para Paint Mfg. Co. ....                              | 616 Yonge St., Toronto                       |
| Penfound Varnish Company, Limited .....               | 25 Caribou Ave., Toronto                     |
| Pierce & Stevens Canada Limited .....                 | Catherine St. & Concession Rd., Fort Erie    |
| Pratt and Lambert, Inc. ....                          | 254 Courtwright St., Fort Erie North         |
| Protek Paint & Varnish Co. ....                       | 140-16th St., New Toronto                    |
| Rinshead-Mason Co. of Canada Ltd. ....                | 845 Wyandotte St. W., Windsor                |
| Roxalin of Canada, Limited .....                      | Dwight Ave. and New Toronto St., New Toronto |
| Rubbercrete Limited .....                             | 6 Eoon Ave., Toronto                         |
| Scarfe and Company, Limited .....                     | 35 Greenwich St., Brantford                  |
| Smyth, John, Manufacturing Company .....              | 31 Colborne St., Brantford                   |
| Starlac Company .....                                 | 21 Raleigh at Birchmount Rd., Toronto        |
| Strongman, W.A., & Sons .....                         | 1063 College, Toronto                        |
| Sturgeons, Limited .....                              | 9 Sturgeons Road, Toronto                    |
| Supreme Paint Manufacturing Company .....             | 359 Spadina Ave., Toronto                    |
| Trelco, Limited .....                                 | 518 Yonge St., Toronto                       |
| Treuhaft Manufacturing, Ltd. ....                     | 220 Wicksteed Ave., Leaside                  |
| Vinyloil Paint Co. ....                               | York Mills                                   |
| <b>Manitoba:</b>                                      |  |
| International Laboratories, Ltd. ....                 | 490 Des Meurons St., St. Boniface            |
| Northern Paint Company, Ltd. ....                     | 394 Gertrude Ave., Winnipeg                  |
| Phillips Paint Products Ltd. ....                     | 306 King St., Winnipeg                       |
| Sherwin-Williams Co. of Canada, Ltd. ....             | 110 Sutherland Ave., Winnipeg                |
| Stephens, G.P., and Company, Ltd. ....                | 176 Market Ave. E., Winnipeg                 |
| <b>Alberta:</b>                                       |  |
| Edmonton Paint and Glass Co., Ltd. ....               | 10163-105th St., Edmonton                    |
| <b>British Columbia:</b>                              |  |
| Aquapel Cement Paint Ltd. ....                        | 523 Powell St., Vancouver                    |
| B.C. Paint & Coatings Co. Ltd. ....                   | Burnaby                                      |
| Brandram-Henderson of B.C. Ltd. ....                  | Granville Island, Vancouver                  |
| British American Paint Company, Ltd. ....             | 200 Belleville St., Victoria                 |
| Canadian Pittsburgh Industries Ltd. ....              | 1160 Third St. E., North Vancouver           |
| Cloverdale Paint & Chemicals Ltd. ....                | R.R. No. 4, Langley Prairie                  |
| General Paint Corporation of Canada, (1950) Ltd. .... | 950 Raymur Ave., Vancouver                   |
| Gaida Paint Co. Ltd. ....                             | 1302 Wharf St., Victoria                     |
| Henderson, Geo. C., Co. Ltd. ....                     | 263 East 7th Ave., Vancouver                 |
| International Paints (Western) Ltd. ....              | Harbour & Railway Sts., North Vancouver      |
| Martin-Senour Company, Ltd. ....                      | 1505 Powell St., Vancouver                   |
| Monsanto (Canada) Ltd. ....                           | Granville Island, Vancouver                  |
| Northwest Products .....                              | 1147 Venables St., Vancouver                 |
| Walker Bros. Limited .....                            | 3130 Beresford St., Burnaby                  |