

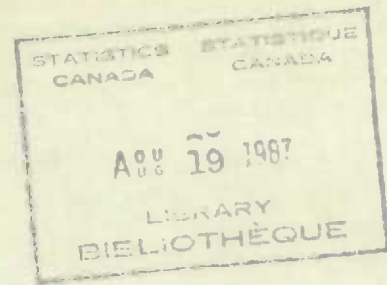
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THE PAINTS, VARNISHES AND LACQUERS INDUSTRY, 1959



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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Chemicals and Allied Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

| A - Annual | B - Biennial | M - Monthly | S.C. - Special Compilation |
|-------------------------|--|-------------|----------------------------|
| Catalogue number | Title | | Price |
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| 46-202 | Acids, Alkalies and Salts Industry (A) | | .50 |
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EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or

plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

THE PAINTS, VARNISHES AND LACQUERS INDUSTRY, 1959

Manufacturers of paints and varnishes reported factory shipments of \$148,618,625 in 1959 compared with \$143,096,594 in 1958.

This industry covers establishments which were primarily engaged in manufacturing paints (in paste, powder or ready-mixed forms), varnishes, lacquers, enamels and shellac. It includes as well firms making putty, stains and paint thinners as a main product. A total of 134 plants was included in this group during 1959, distributed by provinces as follows: Ontario, 72; Quebec, 37; British Columbia, 15; Manitoba, 5; Nova Scotia, 2; and 1 each in Newfoundland, New Brunswick and Alberta. Works in Ontario accounted for 54.6 per cent of the total shipments and establishments in Quebec for about 28.8 per cent.

The concerns in this industry make paints and varnishes as their main products, but they also manufacture other lines, such as dry colours, floor wax, auto polish, etc., as a secondary part of their business. On the other hand, some companies which have been classified to other industrial groups make some paint products as minor products. The total

Canadian output of some of the leading paint products (including the amounts from other industries) was as follows in 1959: 22,750,000 gallons of ready-mixed paints at \$96,943,000; 3,852,000 gallons of varnishes at \$11,226,000; 2,920,000 gallons of lacquers at \$9,368,000; paste and semi-paste, \$716,000; 12,137,000 pounds of putty at \$1,468,000; 2,804,000 gallons of thinners at \$4,059,000.

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

TABLE 1. Principal Statistics of the Paints, Varnishes and Lacquers Industry, Significant Years, 1929-59 and by Provinces, 1958 and 1959

| Year and province | Estab-lish-ments | Em-ployees | Salaries and wages | Cost of fuel and electricity at plant | Cost of materials at plant | Value added by manufacture ¹ | Gross selling value of products ¹ |
|------------------------|------------------|--------------|--------------------|---------------------------------------|----------------------------|---|--|
| | number | | | | dollars | | |
| 1929 | 69 | 2,851 | 4,260,019 | 351,664 | 12,414,829 | 14,336,972 | 27,103,465 |
| 1933 | 78 | 2,540 | 3,464,947 | 247,067 | 6,153,836 | 8,495,790 | 14,896,693 |
| 1937 | 82 | 3,324 | 4,827,199 | 305,775 | 12,307,011 | 12,918,331 | 25,531,117 |
| 1939 | 93 | 3,540 | 5,311,616 | 331,316 | 12,080,774 | 13,443,416 | 25,855,506 |
| 1944 | 97 | 4,821 | 8,662,357 | 521,600 | 24,789,289 | 23,796,543 | 49,107,432 |
| 1946 | 98 | 5,006 | 8,847,406 | 466,512 | 28,733,401 | 27,529,707 | 56,729,620 |
| 1949 | 112 | 6,035 | 14,137,815 | 622,236 | 42,427,832 | 39,810,432 | 82,860,500 |
| 1954 | 124 | 5,719 | 19,624,624 | 831,292 | 55,060,771 | 51,899,254 | 107,727,373 |
| 1955 | 122 | 5,994 | 20,768,461 | 874,952 | 59,785,089 | 58,245,997 | 117,184,189 |
| 1956 | 126 | 6,211 | 22,713,345 | 969,925 | 65,155,888 | 60,438,750 | 126,312,114 |
| 1957 | 129 | 6,316 | 24,288,330 | 1,002,965 | 65,590,927 | 64,528,051 | 131,132,991 |
| 1958 | | | | | | | |
| Quebec | 37 | 2,345 | 9,619,643 | 252,592 | 20,917,203 | 21,190,769 | 42,087,121 |
| Ontario | 69 | 3,014 | 12,508,430 | 579,628 | 38,814,325 | 39,375,064 | 77,802,234 |
| Manitoba | 5 | 275 | 852,914 | 41,472 | 3,790,435 | 2,811,775 | 6,554,913 |
| British Columbia | 15 | 468 | 1,819,007 | 67,808 | 5,577,906 | 8,142,366 | 13,645,391 |
| Newfoundland | 1 | 132 | 421,601 | 21,546 | 1,460,679 | 1,543,790 | 3,006,935 |
| Nova Scotia | 2 | | | | | | |
| New Brunswick | 1 | | | | | | |
| Alberta | 1 | | | | | | |
| Canada | 131 | 6,234 | 25,221,595 | 963,046 | 70,560,548 | 73,063,764 | 143,096,594 |
| 1959 | | | | | | | |
| Quebec | 37 | 2,376 | 10,088,416 | 238,523 | 20,934,973 | 21,013,175 | 42,813,891 |
| Ontario | 72 | 3,031 | 13,003,838 | 602,713 | 40,351,280 | 59,939,181 | 81,210,376 |
| Manitoba | 5 | 295 | 997,174 | 45,753 | 4,004,923 | 3,074,134 | 6,898,130 |
| British Columbia | 15 | 492 | 2,065,149 | 73,555 | 6,070,661 | 8,602,585 | 14,454,792 |
| Newfoundland | 1 | 146 | 469,542 | 25,643 | 1,598,018 | 1,687,551 | 3,241,436 |
| Nova Scotia | 2 | | | | | | |
| New Brunswick | 1 | | | | | | |
| Alberta | 1 | | | | | | |
| Canada | 134 | 6,340 | 26,624,119 | 986,187 | 72,959,855 | 74,316,626 | 148,618,625 |

¹ See note to text.

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

TABLE 2. Inventories¹ in the Paints, Varnishes and Lacquers Industry, 1959

| | Raw materials and supplies | Goods in process | Finished goods of own manufacture | Total |
|------------------------|----------------------------|------------------|-----------------------------------|-------------------|
| | dollars | | | |
| Opening: | | | | |
| Quebec | 2,503,112 | 189,376 | 3,797,218 | 6,489,706 |
| Ontario | 4,976,592 | 1,503,203 | 7,819,956 | 14,299,751 |
| Manitoba | 627,996 | 33,684 | 887,747 | 1,549,427 |
| British Columbia | 1,125,455 | 154,631 | 1,267,127 | 2,547,213 |
| Other provinces | 376,554 | 9,871 | 252,050 | 638,475 |
| Canada | 9,609,709 | 1,890,765 | 14,024,098 | 25,524,572 |
| Closing: | | | | |
| Quebec | 2,634,576 | 225,470 | 3,133,904 | 5,993,950 |
| Ontario | 5,426,258 | 1,626,591 | 7,379,366 | 14,432,215 |
| Manitoba | 625,023 | 131,474 | 1,016,637 | 1,773,134 |
| British Columbia | 822,351 | 191,146 | 1,522,621 | 2,536,118 |
| Other provinces | 445,449 | 6,438 | 325,259 | 777,146 |
| Canada | 9,953,657 | 2,181,119 | 13,377,787 | 25,512,563 |

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

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

(c) The opening inventory for 1959 does not necessarily agree with the closing inventory for 1958 because of revisions such as the addition of new plants, the transfer of plants to other industries and plants going out of business. However, the value added figures for the previous year have not been recalculated to allow for the revisions mentioned above.

TABLE 3. Products Made in the Paints, Varnishes and Lacquers Industry, 1958 and 1959

| Product | 1958 | | 1959 | |
|---|------------|----------------------------|------------|----------------------------|
| | Quantity | Value of factory shipments | Quantity | Value of factory shipments |
| | | \$ | | \$ |
| Paste paints (not including water-paste paints)..... lb. | 1,542,463 | 361,190 | 1,209,240 | 280,604 |
| Semi-paste paints (not including water-thinned type) ... Imp. gal. | 326,286 | 1,396,582 | 132,537 | 435,518 |
| Ready mixed paints and enamels - Exterior type | 9,899,261 | 41,287,613 | 10,411,802 | 43,513,809 |
| Interior type | 11,393,915 | 51,318,452 | 11,575,167 | 52,273,033 |
| Water-thinned paints and enamels: | | | | |
| Latex base emulsion paints | 3,092,903 | 12,554,017 | 3,684,301 | 14,706,490 |
| Resin and other bases emulsion paints (paste and semi-paste) | 460,304 | 1,403,674 | 477,030 | 1,473,929 |
| Casein and other protein bound, glue bound: | | | | |
| Dry | 931,321 | 119,494 | 791,505 | 102,446 |
| Paste and semi-paste | 13,574 | 31,508 | 10,540 | 23,340 |
| Plastic texture, paste and dry | 271,506 | 26,865 | 241,355 | 27,266 |
| Calcimines | 759,649 | 95,950 | 577,049 | 56,181 |
| Lime and cement bound | 1,721,887 | 234,871 | 1,577,225 | 221,681 |
| Other water-thinned paints | - | 135,421 | - | 134,368 |
| Lacquers - Cellulose types | 2,487,425 | 7,527,966 | 2,516,533 | 7,812,355 |
| Non-cellulose types | 238,160 | 892,914 | 381,914 | 1,489,332 |
| Stains (including varnish stains) | 301,190 | 1,040,378 | 306,514 | 1,102,987 |
| Thinners and reducers | 2,724,940 | 3,962,757 | 2,802,598 | 4,056,600 |
| Varnishes (for interior and exterior use including shellac varnish, natural and synthetic resin base varnishes, japans, etc. but excluding next item) | 3,232,926 | 9,367,410 | 3,220,188 | 9,345,973 |
| Insulating varnishes, electrical types | 57,738 | 181,412 | 52,626 | 157,393 |
| Colours in oil (except white lead) | 40,309 | 307,631 | 32,764 | 236,408 |
| Dry colours | - | 287,523 | - | 37,366 |
| Floor wax | - | 89,664 | - | 79,244 |
| Oils - Boiled linseed, core, stand, blown and enamel .. Imp. gal. | 74,393 | 90,239 | 25,422 | 41,748 |
| Paint and varnish removers | 114,003 | 389,962 | 118,259 | 388,182 |
| Patching materials - For walls | 11,895,007 | 1,081,865 | 11,681,577 | 1,096,132 |
| For floors | 584,700 | 142,086 | 704,177 | 173,683 |
| Wood and metal sash putties | 14,310,713 | 1,479,395 | 10,604,817 | 1,352,471 |
| Wall size and other sizing materials | 103,615 | 25,572 | 168,180 | 42,908 |
| All other products ¹ | - | 7,264,183 | - | 7,957,178 |
| Total value of shipments | ... | 143,096,594 | ... | 148,618,625 |

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

... Figures not appropriate or not applicable.

TABLE 4. Materials Used in the Paints, Varnishes and Lacquers Industry, 1958 and 1959

| Materials | 1958 | | 1959 | |
|--|------------|---------------|------------|---------------|
| | Quantity | Cost at works | Quantity | Cost at works |
| | lbs. | \$ | lbs. | \$ |
| Prime pigments: | | | | |
| White: | | | | |
| Antimony oxide | 16,547 | 4,299 | 13,837 | 3,684 |
| Basic carbonate white lead - Dry | 1,171,908 | 208,787 | 1,024,486 | 184,600 |
| In oil | 164,571 | 31,177 | 218,177 | 40,095 |
| Basic silicate white lead | 849,991 | 168,570 | 859,832 | 163,270 |
| Basic sulphate white lead | 151,026 | 27,261 | 156,770 | 35,550 |
| Lithopone (30% zinc sulphide) | 2,088,529 | 190,878 | 1,723,706 | 167,049 |
| Titanium dioxide | 28,799,216 | 7,568,123 | 30,631,393 | 7,985,330 |
| Extended titanium dioxide pigments | 31,030,933 | 3,352,758 | 28,977,616 | 3,214,999 |
| Zinc oxide - Lead free | 4,693,210 | 626,465 | 4,943,228 | 677,989 |
| Leaded | 505,030 | 74,770 | 536,041 | 81,063 |
| Other white pigments | 2,536,520 | 164,691 | 876,162 | 113,091 |
| Black: | | | | |
| Lampblack | 120,831 | 28,030 | 129,194 | 30,486 |
| Bone black | 66,867 | 13,399 | 55,058 | 14,272 |
| Carbon black | 502,133 | 112,335 | 514,918 | 114,738 |
| Graphite | 96,332 | 12,634 | 63,507 | 8,057 |
| Other black pigments | 70,382 | 24,681 | 84,721 | 45,415 |
| Coloured: | | | | |
| Chrome yellow and orange pigments | 1,405,797 | 538,736 | 1,740,063 | 661,035 |
| Cadmium yellow and orange pigments | 25,619 | 26,136 | 29,454 | 34,631 |
| Organic yellow and orange pigments | 216,060 | 311,353 | 138,890 | 317,234 |
| Other yellow and orange pigments | 710,869 | 349,747 | 610,848 | 262,738 |
| Chrome green pigments | 842,007 | 360,535 | 822,825 | 351,036 |
| Chromium oxide and hydrated green pigments | 128,670 | 60,384 | 139,226 | 69,134 |
| Phthalocyanine greens | 75,865 | 271,671 | 83,714 | 275,853 |
| Other green pigments | 31,598 | 46,055 | 32,621 | 45,979 |
| Iron blues | 130,818 | 74,502 | 137,504 | 76,038 |
| Phthalocyanine blues | 65,124 | 196,354 | 72,829 | 221,852 |
| Other blue pigments | 147,625 | 128,501 | 118,250 | 124,060 |
| Lithol reds | 17,696 | 23,479 | 17,699 | 32,683 |
| Toluidine reds | 426,609 | 543,895 | 476,319 | 584,345 |
| Para reds | 102,945 | 92,491 | 94,486 | 81,365 |
| Cadmium red and maroon pigments | 33,659 | 79,704 | 61,697 | 165,524 |
| Other red and maroon pigments | 139,565 | 255,771 | 121,017 | 303,735 |
| Iron oxides (See item immediately below) | 3,652,782 | 471,356 | 3,777,855 | 442,477 |
| Ochres, siennas, umbers (not including item immediately above) | 316,676 | 46,511 | 276,566 | 40,281 |
| Red lead, including orange mineral | 1,451,667 | 243,799 | 1,692,906 | 285,567 |
| Litharge | 263,467 | 42,817 | 279,558 | 43,135 |
| Metallic powders (aluminum, bronze, etc.) | 1,145,551 | 603,769 | 1,112,247 | 572,749 |
| All other coloured pigments | 419,193 | 356,652 | 261,299 | 117,864 |
| Extender pigments: | | | | |
| Aluminum stearate | 200,186 | 71,218 | 202,090 | 68,779 |
| Asbestine or talc | 17,275,239 | 437,879 | 16,988,566 | 440,333 |
| Barytes | 1,609,047 | 58,210 | 1,801,388 | 62,406 |
| Bentonite | 432,797 | 57,379 | 479,463 | 135,696 |
| Blanc fixe | 352,136 | 20,577 | 990,659 | 47,955 |
| Calcium carbonate (whiting and chalk) | 31,090,140 | 575,741 | 32,610,061 | 657,922 |
| Calcium stearate | 29,728 | 10,836 | 33,869 | 10,620 |
| Calcium sulphate (gypsum) | 1,859,109 | 32,531 | 1,842,910 | 33,380 |
| Cement (portland) | 589,278 | 17,098 | 1,552,853 | 44,754 |
| Diatomaceous earth (dicalite, kieselguhr, celite, etc.) | 1,960,795 | 99,115 | 1,697,016 | 106,324 |
| Kaolin or china clay | 3,219,023 | 96,843 | 3,477,107 | 108,293 |
| Mica | 1,912,073 | 133,272 | 1,929,365 | 122,864 |
| Silica sand and ground quartz | 2,425,058 | 67,483 | 2,108,475 | 80,153 |
| Zinc stearate | 73,620 | 28,072 | 98,199 | 30,994 |
| Other extender pigments | 6,692,012 | 466,244 | 5,301,720 | 381,517 |
| Oils: | | | | |
| Linseed oil: | | | | |
| Raw | 9,533,408 | 1,517,432 | 9,389,308 | 1,350,793 |
| Boiled and refined | 10,646,108 | 1,717,139 | 8,458,759 | 1,359,284 |
| Blown | 2,772,340 | 474,105 | 3,856,562 | 657,271 |
| Heat-bodied | 5,414,177 | 928,171 | 5,996,543 | 1,077,377 |
| Processed: | | | | |
| Polymerol | 562,242 | 109,544 | 559,451 | 93,782 |
| Varnol | 341,833 | 74,086 | 173,793 | 37,061 |
| Castor oil: | | | | |
| Raw | 818,189 | 140,027 | 662,825 | 109,323 |
| Dehydrated | 962,888 | 228,731 | 1,163,664 | 271,392 |

TABLE 4. Materials Used in the Paints, Varnishes and Lacquers Industry,
1958 and 1959 - Continued

| Materials | 1958 | | 1959 | |
|--|------------|---------------|------------|---------------|
| | Quantity | Cost at works | Quantity | Cost at works |
| | lbs. | \$ | lbs. | \$ |
| Oils - Concluded: | | | | |
| Chinawood (tung) oil | 3,346,462 | 606,329 | 3,072,382 | 500,762 |
| Fish oils | 269,552 | 48,516 | 343,821 | 82,497 |
| Oiticica oil | 49,761 | 9,857 | 22,483 | 4,652 |
| Perilla oil | 152,600 | 38,150 | - | - |
| Silicone oil | 16,875 | 29,891 | 31,826 | 34,651 |
| Soya bean oil | 9,070,317 | 1,253,926 | 8,294,306 | 1,027,588 |
| Sunflower oil | - | - | 490,437 | 84,456 |
| Tall oil | 1,799,667 | 173,527 | 1,676,310 | 165,916 |
| Other oils | 2,640,157 | 370,532 | 2,461,213 | 351,081 |
| Resins: | | | | |
| Natural: | | | | |
| Copal | 61,272 | 12,806 | 130,974 | 19,309 |
| Manilla | 48,012 | 11,263 | 89,870 | 19,850 |
| Damaar | 122,565 | 29,788 | 118,253 | 25,273 |
| Kauri | 1,071 | 509 | 24,091 | 3,430 |
| Rosin | 2,516,786 | 256,778 | 2,499,999 | 266,851 |
| Other | 364,588 | 37,806 | 536,104 | 65,914 |
| Synthetic: | | | | |
| Acrylic | 1,274,276 | 323,874 | 1,099,400 | 284,734 |
| Styrenated alkyds | 1,998,233 | 464,868 | 1,957,721 | 451,816 |
| Other alkyds | 27,682,867 | 5,228,578 | 29,113,317 | 5,385,250 |
| Amines | 1,111,458 | 388,890 | 1,883,353 | 662,846 |
| Coumarone - Indene | 398,784 | 87,460 | 469,546 | 75,012 |
| Epoxy | 480,800 | 274,810 | 778,194 | 360,953 |
| Ester gum | 1,599,750 | 301,879 | 1,575,076 | 311,900 |
| Limed rosin | 284,658 | 41,145 | 442,616 | 62,972 |
| Maleics | 989,408 | 233,280 | 900,463 | 220,015 |
| Pure phenolics | 924,071 | 368,744 | 1,084,475 | 433,596 |
| Modified phenolics | 1,725,255 | 461,555 | 1,211,089 | 300,737 |
| Urea-formaldehyde | 1,056,081 | 200,325 | 945,126 | 179,876 |
| Vinyls | 1,010,367 | 376,767 | 910,866 | 366,860 |
| Other | 2,914,025 | 847,584 | 2,222,333 | 616,332 |
| Shellac: | | | | |
| Orange | 165,637 | 61,396 | 171,350 | 60,224 |
| Bleached | 926,331 | 390,991 | 857,303 | 385,155 |
| Other | 176,653 | 58,907 | 60,181 | 25,213 |
| Solvents: | | | | |
| Acetone | 872,603 | 105,846 | 924,716 | 105,791 |
| Alcohol: | | | | |
| Amyl (fusel oil) | 64,396 | 8,705 | 24,457 | 4,108 |
| Butyl (including isobutyl) | 1,848,772 | 306,249 | 1,877,125 | 317,685 |
| Ethyl (denatured or not) | 2,367,263 | 253,616 | 2,144,993 | 224,973 |
| Isopropyl | 2,641,530 | 209,506 | 2,059,044 | 175,907 |
| Methyl (wood or methylated spirits) | 779,244 | 85,430 | 879,240 | 101,829 |
| Amyl acetate | 233,454 | 43,279 | 123,486 | 23,408 |
| Butyl acetate | 3,801,289 | 604,448 | 3,035,268 | 485,814 |
| Butyl "Carbitol" | 22,985 | 7,185 | 42,696 | 15,616 |
| Butyl "Cellosolve" | 270,514 | 66,221 | 330,377 | 80,406 |
| Butyl lactate | 244 | 91 | 5,125 | 1,363 |
| "Cellosolve" acetate | 323,122 | 71,407 | 271,528 | 64,250 |
| Coal tar solvents: | | | | |
| Benzol | 407,393 | 26,568 | 371,260 | 22,828 |
| Toluol | 14,247,703 | 638,163 | 14,333,583 | 609,607 |
| Xylol | 12,438,900 | 589,603 | 13,228,556 | 626,278 |
| Other coal tar solvents | 3,971,440 | 200,014 | 2,390,614 | 118,796 |
| Creosote | 234,844 | 17,505 | 273,944 | 33,300 |
| Dibutyl phthalate | 258,460 | 77,305 | 225,604 | 67,448 |
| Ethyl acetate | 2,070,639 | 289,024 | 2,084,999 | 293,998 |
| Ethyl lactate | 12,656 | 4,740 | 5,908 | 2,768 |
| Methylene chloride | 397,606 | 63,484 | 650,556 | 91,960 |
| Methyl amyl acetate | 1,100,463 | 181,944 | 1,037,651 | 171,716 |
| Methyl ethyl ketone | 816,914 | 122,309 | 764,150 | 110,844 |
| Methyl isobutyl ketone | 1,147,178 | 194,908 | 1,191,625 | 205,507 |
| Petroleum distillates | 84,535,868 | 3,119,745 | 87,349,700 | 3,232,051 |
| Propyl acetate | 3,813,775 | 472,803 | 3,444,619 | 441,697 |
| Turpentine | 3,012,082 | 271,245 | 2,989,385 | 254,158 |
| Other paint, varnish and lacquer solvents and plasticizers | 6,731,648 | 1,046,183 | 9,086,452 | 1,060,742 |

TABLE 4. Materials Used in the Paints, Varnishes and Lacquers Industry, 1958 and 1959 - Concluded

| Materials | 1958 | | 1959 | |
|--|------------|-------------------|------------|-------------------|
| | Quantity | Cost at works | Quantity | Cost at works |
| | lbs. | \$ | lbs. | \$ |
| Driers: | | | | |
| Naphthenates | 2,230,846 | 666,606 | 2,441,827 | 726,600 |
| Resinates | 53,481 | 10,622 | 49,243 | 8,706 |
| Linoleates | 57,651 | 8,500 | 53,303 | 11,881 |
| Other driers | 234,730 | 82,096 | 176,447 | 71,589 |
| Miscellaneous: | | | | |
| Acid: | | | | |
| Fatty: | | | | |
| Oleic | 61,251 | 14,666 | 54,462 | 10,736 |
| Stearic | 42,010 | 7,728 | 44,240 | 9,103 |
| Other fatty acids | 1,480,654 | 240,499 | 1,998,506 | 318,855 |
| Muriatic | 138,028 | 3,135 | 124,539 | 3,682 |
| Nitric | 29,923 | 2,492 | 37,622 | 2,870 |
| Sulphuric | 1,008 | 751 | 65 | 53 |
| Anti-skinning agents | 213,839 | 225,381 | 259,869 | 256,210 |
| Asphalt | 5,098,503 | 150,858 | 4,913,790 | 128,442 |
| Beta naphthol | — | — | — | — |
| Carboxymethylcellulose | 36,490 | 30,954 | 45,126 | 43,290 |
| Casein | 451,058 | 111,363 | 1,033,575 | 228,581 |
| Chlorinated rubber | 252,578 | 147,276 | 214,131 | 113,254 |
| Ethyl cellulose | 66,820 | 48,003 | 30,888 | 23,737 |
| Formaldehyde (100% solids content) | 244,330 | 26,571 | 140,589 | 20,608 |
| Glycol, ethylene | 1,109,863 | 166,502 | 1,798,281 | 265,433 |
| Glycols, other (mono, di, tri, etc.) | 277,017 | 52,670 | 491,523 | 92,559 |
| Glycerine | 1,921,148 | 559,646 | 2,259,406 | 667,252 |
| Glyceryl mono oleate | 17,323 | 6,863 | 15,977 | 6,152 |
| Glue | 449,693 | 76,249 | 372,164 | 64,097 |
| Latex emulsion | 11,061,575 | 1,883,410 | 13,217,494 | 2,282,222 |
| Lecithin | 231,357 | 45,531 | 322,617 | 66,540 |
| Nitrocellulose | 3,201,807 | 1,014,195 | 3,153,282 | 1,025,285 |
| Pentaerythritol | 2,635,772 | 819,928 | 2,887,824 | 873,578 |
| Phthalic anhydride | 7,459,925 | 1,235,610 | 8,778,126 | 1,372,919 |
| Pitch, coal tar | 1,334,598 | 69,559 | 1,164,581 | 42,747 |
| Potassium bichromate | 318 | 81 | 189 | 48 |
| Sodium bichromate | 61,407 | 8,781 | 73,074 | 10,852 |
| Sodium prussiate | 7,921 | 1,228 | 28,295 | 3,493 |
| Urea | 217,343 | 15,594 | 257,440 | 16,261 |
| Varnishes | 3,989,407 | 705,514 | 4,153,468 | 722,603 |
| Wax: | | | | |
| Beeswax | 10,252 | 7,634 | 2,467 | 689 |
| Carnauba | 13,270 | 9,484 | 26,226 | 17,941 |
| Paraffin | 92,490 | 11,852 | 74,038 | 11,546 |
| Other | 101,902 | 34,851 | 108,502 | 34,543 |
| All other materials ¹ | — | 5,143,551 | — | 6,146,420 |
| Containers and other packaging materials or supplies | — | 9,771,168 | — | 10,210,653 |
| Totals | — | 70,560,548 | — | 72,959,855 |

¹ No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$200,000. The total estimated value of materials used by these firms was \$2,005,214 and this amount is included in "All other Materials".

TABLE 5. Production, Imports and Exports of Paints, Varnishes and Pigments, 1950-59

| Year | Production | Imports | Exports |
|------------------------------|--------------------------|-----------|-----------|
| | dollars | | |
| Paints and varnishes: | | | |
| 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 |
| 1954 | 97,550,000 | 3,665,000 | 599,000 |
| 1955 | 106,364,000 | 4,266,000 | 848,000 |
| 1956 | 119,355,000 ¹ | 4,980,000 | 1,284,000 |
| 1957 | 124,031,000 ¹ | 4,754,000 | 1,058,000 |
| 1958 | 135,207,000 ¹ | 5,746,000 | 1,082,000 |
| 1959 | 140,620,000 ¹ | 6,178,000 | 1,195,000 |

See footnote at end of table.

TABLE 5. Production, Imports and Exports of Paints, Varnishes and Pigments, 1950 - 59 - Concluded

| Year | Production | Imports | Exports |
|------------------------------|------------|------------|------------------------|
| | dollars | | |
| Pigments:² | | | |
| 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 |
| 1954 | 14,482,000 | 16,394,000 | 3,226,000 |
| 1955 | 20,100,000 | 18,873,000 | 874,000 |
| 1956 | 21,024,000 | 20,390,000 | 773,000 |
| 1957 | 20,014,000 | 18,218,000 | 710,000 |
| 1958 | 26,506,000 | 15,420,000 | 1,928,000 [†] |
| 1959 | 27,369,000 | 17,241,000 | 2,040,000 |

¹ The totals for 1956 and subsequent years include thinners and paint and varnish removers not previously included under this heading and are, therefore, not strictly comparable with the totals shown for the previous years.

² (a) 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, synthetic iron oxide and titanium oxide.

(b) Exports do not include acetylene or carbon blacks after 1954.

[†] Revised figures.

TABLE 6. Production, Imports and Exports of Putty, 1950 - 1959

| Year | Production | | Imports | | Exports | |
|------------|------------|------------------------|-----------|---------|----------|-------|
| | Quantity | Selling value at works | Quantity | Value | Quantity | Value |
| | lbs. | \$ | lbs. | \$ | lbs. | \$ |
| 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 |
| 1954 | 10,341,000 | 769,000 | 421,000 | 60,000 | 22,500 | 1,561 |
| 1955 | 11,768,000 | 836,000 | 802,000 | 92,000 | 23,300 | 1,513 |
| 1956 | 12,581,000 | 1,007,000 | 786,000 | 127,000 | 25,800 | 1,985 |
| 1957 | 12,633,000 | 1,094,000 | 839,000 | 129,000 | 9,000 | 500 |
| 1958 | 16,207,000 | 1,621,000 | 1,081,000 | 162,000 | 8,000 | 1,280 |
| 1959 | 12,137,000 | 1,468,000 | 998,000 | 165,000 | 10,000 | 1,505 |

TABLE 7. Principal Statistics of the Paints, Varnishes and Lacquers Industry, classified according to Type of Ownership, 1958 and 1959

| Type | Estab-lish-ments | Em-ployees | Salaries and wages | Cost at plant of materials used | Selling value of factory shipments |
|------------------------------|------------------|--------------|--------------------|---------------------------------|------------------------------------|
| | number | | dollars | | |
| 1958 | | | | | |
| Individual ownership | 20 | 70 | 212,934 | 719,099 | 1,104,670 |
| Partnerships | 2 | | | | |
| Incorporated companies | 109 | 6,164 | 25,008,661 | 69,841,449 | 141,991,924 |
| Totals | 131 | 6,234 | 25,221,595 | 70,560,548 | 143,096,594 |
| 1959 | | | | | |
| Individual ownership | 19 | 53 | 154,334 | 490,592 | 747,606 |
| Partnerships | 4 | 14 | 33,564 | 95,620 | 185,134 |
| Incorporated companies | 111 | 6,273 | 26,436,221 | 72,373,638 | 147,685,885 |
| Totals | 134 | 6,340 | 26,624,119 | 72,959,855 | 148,618,625 |

TABLE 8. Principal Statistics of the Paints, Varnishes and Lacquers Industry in Canada, grouped according to Value of Factory Shipments, 1958 and 1959

| Establishments reporting value of factory shipments | Estab-lish-ments | Em-ployees | Salaries and wages | Cost at plant of materials used | Selling value of factory shipments |
|---|------------------|--------------|--------------------|---------------------------------|------------------------------------|
| | number | | dollars | | |
| 1958 | | | | | |
| Under \$10,000 | 4 | 5 | 8,700 | 18,229 | 27,179 |
| \$ 10,000 to \$ 24,999 | 8 | 16 | 34,853 | 56,375 | 104,130 |
| 25,000 " 49,999 | 14 | 39 | 115,845 | 324,082 | 514,103 |
| 50,000 " 99,999 | 13 | 71 | 204,807 | 588,989 | 946,834 |
| 100,000 " 199,999 | 10 | 65 | 255,586 | 742,634 | 1,295,843 |
| 200,000 " 499,999 | 28 | 381 | 1,581,582 | 4,881,449 | 8,688,507 |
| 500,000 " 999,999 | 15 | 489 | 1,838,063 | 5,506,509 | 10,222,172 |
| 1,000,000 " 4,999,999 | 34 | 2,981 | 12,165,330 | 36,491,060 | 75,665,359 |
| 5,000,000 and over | 5 | 1,882 | 7,305,995 | 21,951,221 | 45,632,467 |
| Head offices | — | 305 | 1,710,834 | — | — |
| Totals | 131 | 6,234 | 25,221,595 | 70,560,548 | 143,096,594 |
| 1959 | | | | | |
| Under \$25,000 | 15 | 23 | 53,994 | 84,574 | 152,619 |
| \$ 25,000 to \$ 49,999 | 12 | 36 | 100,131 | 282,203 | 456,096 |
| 50,000 " 99,999 | 13 | 64 | 181,580 | 554,509 | 906,142 |
| 100,000 " 199,999 | 12 | 92 | 338,462 | 961,012 | 1,692,681 |
| 200,000 " 499,999 | 29 | 408 | 1,835,570 | 5,808,654 | 9,699,270 |
| 500,000 " 999,999 | 14 | 549 | 2,107,474 | 5,954,151 | 10,982,232 |
| 1,000,000 " 4,999,999 | 33 | 2,700 | 11,421,071 | 35,150,608 | 72,657,841 |
| 5,000,000 and over | 6 | 2,177 | 8,758,357 | 24,164,144 | 52,071,744 |
| Head offices | — | 291 | 1,827,480 | — | — |
| Totals | — | 6,340 | 26,624,119 | 72,959,835 | 148,618,625 |

TABLE 9. Capital and Repair Expenditures in the Paints, Varnishes and Lacquers Industry 1955 - 59

| Year | Capital expenditures | | | Repair expenditures | | | Total capital and repair expenditures |
|-------------------------|----------------------|-------------------------|-----------|---------------------|-------------------------|-----------|---------------------------------------|
| | Con-struction | Machinery and equipment | Sub-total | Con-struction | Machinery and equipment | Sub-total | |
| thousands of dollars | | | | | | | |
| 1955 | 2,394 | 1,880 | 4,274 | 260 | 765 | 1,025 | 5,299 |
| 1956 | 1,130 | 4,350 | 5,480 | 407 | 990 | 1,397 | 6,877 |
| 1957 | 2,509 | 1,403 | 3,912 | 455 | 950 | 1,405 | 5,317 |
| 1958 | 1,226 | 1,517 | 2,743 | 515 | 1,063 | 1,578 | 4,321 |
| 1959 ^P | 697 | 1,574 | 2,271 | 528 | 1,063 | 1,591 | 3,862 |

^P Preliminary figures.

TABLE 10. Employees and their Earnings, by Provinces, 1958 and 1959

| Province | Employees | | | | | Earnings | | |
|------------------------|------------------------|--------------|--------------------|------------|--------------|------------------------|--------------------|-------------------|
| | Supervisory and office | | Production workers | | Total | Supervisory and office | Production workers | Total |
| | Male | Female | Male | Female | | | | |
| | number | | | | | dollars | | |
| 1958 | | | | | | | | |
| Quebec | 780 | 457 | 979 | 129 | 2,345 | 5,647,445 | 3,972,198 | 9,619,643 |
| Ontario | 846 | 423 | 1,647 | 98 | 3,014 | 5,910,360 | 6,598,070 | 12,508,430 |
| Manitoba | 48 | 23 | 170 | 34 | 275 | 292,916 | 559,998 | 852,914 |
| British Columbia | 111 | 70 | 233 | 54 | 468 | 886,585 | 932,422 | 1,819,007 |
| Other provinces | 24 | 16 | 72 | 20 | 132 | 167,961 | 253,640 | 421,601 |
| Canada | 1,809 | 989 | 3,101 | 335 | 6,234 | 12,905,267 | 12,316,328 | 25,221,595 |
| 1959 | | | | | | | | |
| Quebec | 798 | 447 | 1,002 | 129 | 2,376 | 5,957,791 | 4,130,625 | 10,088,416 |
| Ontario | 842 | 450 | 1,645 | 94 | 3,031 | 6,062,508 | 6,941,330 | 13,003,838 |
| Manitoba | 53 | 25 | 184 | 33 | 295 | 374,845 | 622,329 | 997,174 |
| British Columbia | 125 | 66 | 249 | 52 | 492 | 1,030,045 | 1,035,104 | 2,065,149 |
| Other provinces | 30 | 19 | 78 | 19 | 146 | 187,945 | 281,597 | 469,542 |
| Canada | 1,848 | 1,007 | 3,158 | 327 | 6,340 | 13,613,134 | 13,010,985 | 26,624,119 |

TABLE 11. Production Workers, by Months, 1959

| Month | Establishments reporting monthly detail ¹ | |
|---|--|--------|
| | Male | Female |
| January | 2,863 | 294 |
| February | 2,943 | 332 |
| March | 3,042 | 345 |
| April | 3,130 | 358 |
| May | 3,226 | 358 |
| June | 3,224 | 354 |
| July | 3,200 | 345 |
| August | 3,145 | 334 |
| September | 3,038 | 310 |
| October | 3,003 | 308 |
| November | 2,857 | 289 |
| December | 2,828 | 275 |
| Average for establishments reporting monthly detail | 3,042 | 324 |
| Average estimated for small establishments ² | 116 | 3 |
| Average for all establishments | 3,158 | 327 |

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$200,000 and over.

² For establishments generally reporting value of shipments of less than \$200,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 12. Imports of Paints, Pigments and Varnishes, 1958 and 1959

| Item | 1958 | | 1959 | |
|--|--------------|-------------------|------------|-------------------|
| | Quantity | Value | Quantity | Value |
| | | \$ | | \$ |
| Litharge | cwt. 23,747 | 331,475 | 23,133 | 325,742 |
| Lead, red, dry, and orange mineral | lb. 985,410 | 127,556 | 674,268 | 85,066 |
| Lead, white, dry | " 53,083 | 8,552 | 27,990 | 3,478 |
| Lead, white, ground in oil | " | " | " | " |
| Antimony oxide | cwt. 322,981 | 70,660 | 511,152 | 110,730 |
| Titanium oxide and white pigments containing not less than 14 per cent by weight of titanium oxide | " 58,878,496 | 8,464,690 | 61,195,519 | 8,877,007 |
| Black, carbon | " 31,285,976 | 2,184,030 | 39,364,411 | 2,690,894 |
| Blacks, bone and ivory | " 189,072 | 34,168 | 225,341 | 40,079 |
| Black, lamp | " 231,370 | 47,613 | 246,656 | 47,018 |
| Blanc fixe ¹ | " 896,274 | 49,236 | 2,027,510 | 78,506 |
| Brocade and bronze powders | " 16,716 | 16,267 | 41,270 | 37,441 |
| Lithopone | " 2,483,450 | 179,954 | 1,958,978 | 138,039 |
| Oxide of cobalt | " 16,230 | 30,616 | 24,716 | 39,701 |
| Oxide of copper | " 205,360 | 71,839 | 115,070 | 45,548 |
| Oxide of tin | " 60,807 | 59,691 | 44,115 | 44,640 |
| Oxides, fireproofs, rough stuff, fillers and colours, dry, n.o.p. | " 9,845,029 | 3,375,490 | 12,205,179 | 4,283,306 |
| Paris green, dry | " 3,000 | 1,115 | 62,660 | 14,848 |
| Satin white | " 861,468 | 19,278 | " | " |
| Ultramarine blue, dry or in pulp | " 470,840 | 104,798 | 535,332 | 116,002 |
| Zinc white (zinc oxide) | " 1,390,700 | 185,526 | 1,447,198 | 183,993 |
| Ochres, ochrey earths, siennas and umbers | " 1,359,746 | 57,544 | 1,665,109 | 78,981 |
| Artists' paints, n.o.p., ground and liquid | " | 790,918 | " | 1,056,376 |
| Gold liquid paint | " | " | " | " |
| Liquid fillers, anti-corrosive and anti-fouling paints, and ground and liquid paints, n.o.p. | gal. 702,808 | 2,994,257 | 724,842 | 3,018,997 |
| Paints and colours, ground in spirits, and all spirit varnishes and lacquers | " 93,524 | 507,798 | 103,223 | 600,363 |
| Varnishes, lacquers, japans, japan driers, liquid driers and oil finish, n.o.p. | " 304,235 | 964,854 | 286,631 | 993,082 |
| 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. 563,638 | 487,760 | 732,998 | 509,434 |
| Totals | - | 21,165,685 | - | 23,419,271 |

¹ Includes satin White in 1959.² See Blanc Fixe.

... Figures not appropriate or not applicable.

TABLE 13. Exports of Paints, Pigments and Varnishes, 1958 and 1959

| Item | 1958 | | 1959 | |
|--|-------------|------------------|----------|------------------|
| | Quantity | Value | Quantity | Value |
| | | \$ | | \$ |
| Black, acetylene, carbon, gas and lamp | lb. 1 | 1 | 1 | 1 |
| Iron oxides | cwt. 48,017 | 371,287 | 52,487 | 400,700 |
| Mineral pigments, n.o.p. | " 57,347 | 952,343 | 62,474 | 1,020,071 |
| White lead, dry or in oil | " 13,243 | 221,261 | 16,699 | 280,300 |
| Enamels and lacquers | " | 45,594 | " | 61,699 |
| Paints, n.o.p. | " | 859,282 | " | 965,972 |
| Varnish | gal. 74,288 | 176,665 | 66,514 | 167,450 |
| Zinc oxide | cwt. 29,604 | 383,721 | 25,831 | 339,056 |
| Totals | - | 3,010,153 | - | 3,235,248 |

¹ Not available separately.

.. Figures not available.

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

TABLE 14. Fuel and Electricity Used in the Paints, Varnishes and Lacquers Industry, 1959

| Kind | Quantity | Cost at plant |
|---|-------------------|---------------|
| | | \$ |
| 1. Establishments reporting commodity detail:¹ | | |
| Bituminous coal: | | |
| (a) From Canadian mines | ton 1,052 | 16,651 |
| (b) Imported | " 4,449 | 46,654 |
| Anthracite coal | " 103 | 1,790 |
| Coke | " 507 | 10,105 |
| Gasoline (including gasoline used in cars and trucks) | Imp. gal. 171,787 | 70,815 |
| Fuel oil including kerosene or coal oil | " 3,284,576 | 353,552 |
| Wood | cord 13 | 113 |
| Gas (a) Liquefied petroleum gases | Imp. gal. 10,526 | 4,630 |
| (b) Other manufactured gas | Mcf. 333 | 391 |
| (c) Natural gas | " 44,376 | 48,927 |
| Other fuel | .. | 6,043 |
| Electricity purchased | kwh. 25,991,136 | 367,190 |
| Steam purchased | .. | 16,933 |
| 2. Estimate for establishments for which no data were collected:² | | |
| Cost of fuel and electricity | ... | 42,393 |
| 3. All establishments: | | |
| Total cost of fuel and electricity | ... | 986,187 |

¹ Establishments generally reporting value of shipments of \$200,000 and over.

² Establishments generally reporting value of shipments of less than \$200,000.

.. Figures not available.

... Figures not appropriate or not applicable.

Directory of Firms in the Paints, Varnishes and Lacquers Industry, 1959

| Name of firm | Location of plant |
|---|-----------------------------------|
| Newfoundland: | |
| Standard Mfg. Co., Ltd. | Water St. East, St. John's |
| Nova Scotia: | |
| Brandram-Henderson, Limited | 30 Kempt Road, Halifax |
| Tibbets Paint Limited | Glass St., Trenton |
| New Brunswick: | |
| Maritime Paint and Chemical Co., Ltd. | 348 Main St., Moncton |
| Quebec: | |
| Acme Industries Co. | 6706 Boyer, Montreal |
| Alpeco Paint Co. | 25 St. Joseph, Lachine |
| Ares Industries Limited | 8614 rue de l'Epée, Montréal |
| Brandram-Henderson, Limited | 6684 St. Urbain St., Montreal |
| Canadian Industries Limited | 6930 Clanranald St., Montreal |
| Canadian Pittsburgh Industries Ltd. | 2740 St. Patrick St., Montreal |
| Charters Chemical Ltd. | 4328 St. Lawrence Blvd., Montreal |
| Chateau Paint Works Inc. | 6833 Park Ave., Montreal |
| Coatwell Paint and Varnish Co., Ltd. | 147 Nazareth St., Montreal |
| Conant Paints, Div. | 3975 St. Ambroise St., Montreal |
| Crown Diamond Paint Co. Ltd. | 41 Bates Road, Outremont |
| Continental Paint and Varnish Works Ltd. | 5069 Vaillant, Montreal |

Directory of Firms in the Paints, Varnishes and Lacquers Industry, 1959 - Continued

| Name of firm | Location of plant |
|---|--|
| Quebec - Concluded: | |
| Durity Paint and Lacquer Co., Ltd. | 4230 Hogan St., Montreal |
| Ferox Castings Inc. | 7920-16th Ave., Ville. St. Michel |
| Gallant Paint Company Ltd. | Charlemagne |
| Glidden Co. Ltd., The | 133 Elmslie, Montreal |
| International Lacquer Products | 6935 Park Ave., Montreal |
| International Paints (Canada) Ltd. | 6700 Park Ave., Montreal |
| Joliet Paint and Varnish Reg'd | 7035 Notre Dame St., E., Montreal |
| La Cie de Peintures & Vernis Mont Royal, Ltée | 5669 Casgrain St., Montreal |
| La Peinture Québec Inc. | 51, rue Sault-au-Matlot, Québec |
| Lacquer Products Co., Limited | Sydeman Ave., Granby |
| Laurentide Chemicals Inc. | 4650-5th Ave., Shawinigan Falls |
| Liquid Steel Paint Products Co., Ltd. | 7581 St. Hubert, Montreal |
| O'Neil Paints Inc. | 2571 Notre Dame E., Montreal |
| Peinture Nationale Limitée | 1556 St. Valier, Québec |
| Peinture Sico Ltée (Sico Paint, Ltd.) | 3280 Ste-Anne, Giffard |
| Protective Coatings Limited | 1080 Pratt Ave., Outremont |
| R.S. Chemicals Co. | 56 Willowdale, Montreal |
| Reardon Company, Limited | 146 St. Peter St., Montreal |
| Ritchie Manufacturing Co. | 1081 Smith St., Montreal |
| Sherwin-Williams Co. of Canada, Ltd. | 2875 Centre St., and 1957 Hunter St., Montreal |
| Steel Company of Canada, Limited | 2320 Notre Dame St., W., Montreal |
| United Paint Co. | 2555 Charlemagne, Montreal |
| Walsh, Robert, Co., Ltd. | 514 Baldwin St., Montreal |
| Wesco Water Paints (Canada) Limited | 2100 St. Patrick St., Montreal |
| Zenith Paint, Incorporated | 1884 Darling St., Montreal |
| Ontario: | |
| Alma Paint and Varnish Company, Ltd. | 65 Duke St., London |
| Acme Paint and Varnish Co., Ltd. | 120-24th St., Long Branch |
| Armet Industries Limited | 151 Surrey St., Guelph |
| Aulcraft Paints Ltd. | 303 Campbell Ave., Toronto |
| Bedford Paint Company | 248 Birmingham Ave., New Toronto |
| Brampton Paint Co. | 3 Research Rd., Brampton |
| British Paints (Canada) Limited | Oakville |
| Burnett & Son Luminous Products | 35 Golf Club Rd., Toronto |
| C & B Products Co. | 4 Bartlett Ave., Toronto |
| Canada Varnish Limited | 53-67 Laird Drive, Leaside |
| Canadian Industries Limited | Ft. of Langston St., West, Toronto |
| Canadian Industries Limited | Castlefield and Ronald Aves., Toronto |
| Canadian Pittsburgh Industries Ltd. | 1600 Lake Shore, Long Branch |
| Canadian Pittsburgh Industries Ltd. (Paint Div.) | 1160 Central Ave., Windsor |
| Carter H.J., Ltd. | 139 Stephenson Ave., Toronto |
| Cosmos Chemical Co., Ltd. | Cavan St., Port Hope |
| Docco Mfg., Co. | 216 Moore Park, Willowdale |
| Dupont Co. of Canada Ltd. | Ajax |
| Essex Paint Co. | 1716 Mercer St., Windsor |
| Ferns J.L. | R.R. #3. Waldemar |
| Glidden Co., Limited | 372 Wallace Ave., Toronto |
| Goudey, John E., Manufacturing Ltd. | 21 Primrose Ave., Toronto |
| Gypsum, Lime and Alabastine, Canada, Ltd. | Willow St., Paris |
| Hamilton Paint and Varnish Works Limited | 65 Biggar Ave., Hamilton |
| Hannah Varnish Company, Limited | 95 Water St., North Galt |
| Heaman Paint Company Limited | 1093 Margaret St., London |
| Horn, A.C., Company Ltd. | 19 St. Lawrence, Toronto |
| Imperial Flo-Glaze Paints Ltd. | 6 Morse St., Toronto |
| Industrial Coating Company | 840 Eastern Ave., Toronto |
| Jacroy Canada Limited | 421 Comstock Rd., Scarborough |
| Kingston Paint Limited | Norman Rogers Airport, Kingston Twp. |
| Lakeside Varnish & Lacquer Mfg. Co., Ltd. | Montcalm Ave., York Twp., Toronto |
| Lowe Brothers Company, Ltd. | 263 Sorauen Ave., Toronto |
| MacDonald & White Varnish & Paint Co., Ltd. | Riverside |
| MacFarlane, John, & Son Ltd. | Brantford |
| MacNaughton Brooks Limited | 315 Symington Ave., Toronto |
| Masse Manufacturing Co., Ltd. | 264 Macdonell Ave., Toronto |
| Master Varnish & Paint Co. | 33 Princess, Hamilton |
| Maurice Paint Co., Ltd. | 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 Aves., 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 |
| Ocean Chemicals (Canada) Ltd. | 71 Crockford Blvd., Scarborough |



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Directory of Firms in the Paints, Varnishes and Lacquers Industry, 1959 - Concluded

| Name of firm | Location of plant |
|---|--|
| Ontario - Concluded: | |
| Ontario Paint and Varnish Co., Ltd. | 268 Pape Ave., Toronto |
| O.P.W. Paints Limited | 687 Wellington St., Ottawa and Walkerville |
| Paralac Paint Mfg., Co. | 3775 Dundas St., W., Toronto |
| Para Paint Ltd. | 25 Racine Rd., Rexdale |
| Penfound Varnish Company, Limited | 30 Bethrode, Rexdale |
| Pfeiffer, F.W., Company | 472 Mill St., Kitchener |
| Pierce & Stevens Canada Limited | Catherine St. & Concession Rd., Fort Erie |
| Plastoid of Canada Ltd. | 45 Densley Ave., Toronto |
| 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 | 188 New Toronto St., Toronto |
| Rubbercrete Limited | 6 Boon Ave., Toronto |
| Russette, M.M., Industries Ltd. | 2437 Howard Ave., Windsor |
| Scarfe and Company, Limited | 35 Greenwich St., Brantford |
| Smyth, John, Manufacturing Company | 31 Colborne St., Brantford |
| Starlac Company | 21 Raleigh at Birchmount Rd., Toronto |
| Sterling Varnish Co. of Canada Ltd. | Marren St., St. Catharines |
| Sturgeons, Limited | 9 Sturgeons Road, Toronto |
| Supreme Paint Manufacturing Company | 153 Kendall Ave., Toronto |
| Tone-Craft Paint & Varnish Co., Ltd. | 10 Carson St., Toronto |
| Toronto Protective Coatings | 256 Maria, Toronto |
| Trelco, Limited | 925 Rose Lawn Ave., Toronto |
| Tremco Manufacturing Co. (Canada) Ltd. | 220 Wicksteed Ave., Toronto |
| Yorktown Paint & Chemicals Ltd. | 151 Belfield Rd., Rexdale |
| Manitoba: | |
| 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 Paints Ltd. | 176 Market Ave., Winnipeg |
| Alberta: | |
| Edmonton Paint and Glass Co., Ltd. | 10049 - 105th St., Edmonton |
| British Columbia: | |
| Brandram-Henderson of B.C., Ltd. | Granville Island, Vancouver |
| British American Paint Company, Ltd. | 200 Belleville St., Victoria |
| Burrard Construction Supplies Ltd. | 523 Powell, Vancouver |
| Canadian Pittsburgh Industries Ltd. | 1160 Third St., E., North Vancouver |
| Cloverdale Paint & Chemicals Ltd. | R.R. No. 4 North Sydney |
| General Paint Corporation of Canada Ltd. | 950 Raymur Ave., Vancouver |
| Goodacre Alfred A. | 6369 Arbroath, Burnaby |
| Henderson, Geo., C., Co., Ltd. | 60 East Broadway, Vancouver |
| International Paints (Western) Ltd. | 126 Harbour St., North Vancouver |
| Moore, Benjamin, Co., Ltd. | Annacis Industrial Estate, New Westminster |
| North West Products | 1147 Venables St., Vancouver |
| Paramount Paint & Lacquer Co. of Canada Ltd. | 195 West 2nd, Vancouver |
| Sepctrum Chemicals Ltd. | 230 Brunette, New Westminster |
| Sherwin-Williams Co. of Canada, Ltd. | Delta, New Westminster |
| Walker Bros., Limited | 5684 Beresford St., Burnaby |