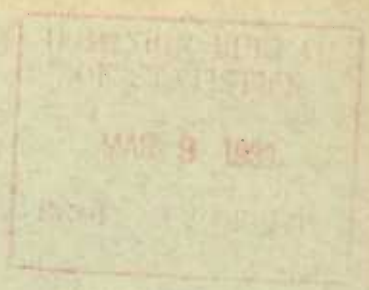


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**CANADA**

**DEPARTMENT OF TRADE AND COMMERCE**

**DOMINION BUREAU OF STATISTICS**

**CENSUS OF INDUSTRY**

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**REPORT**

**ON THE**

**DYEING & FINISHING OF TEXTILE GOODS**

**IN**

**CANADA**

**1931**

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Published by Authority of the HON. H. H. STEVENS, M. P.,  
Minister of Trade and Commerce.

OTTAWA  
1933

NOTE: - The statistics published in this report include only the statistics of those establishments which have as their source of revenue the dyeing, bleaching, shrinking, printing or otherwise processing of textile fabrics or goods. It does not include statistics of establishments in the cotton, woollen and silk industries which may do their own dyeing and finishing in connection with the goods they manufacture.

DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
GENERAL MANUFACTURES DIVISION  
OTTAWA - CANADA

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Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.  
Acting Chief, General Manufactures Division: A. Cohen, B. Com.

THE DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1931.

A separate report is presented herewith covering the operations of the dyeing and finishing of textile goods in 1931. Hitherto the report on this industry has been included with Dyeing, Cleaning and Laundry Work, but as the connection between the dyeing and finishing of textile goods and the dyeing, cleaning and laundry industries is not very marked, the former industry will be treated separately in the future.

In 1931 reports were received from nineteen establishments reporting a gross value of work performed amounting to \$2,893,333, a capital investment of \$4,705,396, the consumption of raw materials costing \$754,646 and a value added by manufacture amounting to \$2,138,687. The industry furnished employment to 847 persons and paid them \$945,002 in salaries and wages.

Compared with 1930 there were the following variations in the principal statistics which can be noted in detail in table 2. Capital investment showed an increase of \$440,573 or 10.4 per cent. The number of persons furnished employment was the same in both years, but the amount of salaries and wages increased in 1931 by \$53,130 or 5.9 per cent. The cost of raw materials increased by \$142,874 or 23.3 per cent, the gross value of work performed by \$116,549 or 4.2 per cent, while the value added by manufacture declined by \$26,325 or 1.3 per cent.

It is interesting to note that in this industry labour is the most important item in the cost of production. In 1931, 32.7 per cent of this cost was paid out in salaries and wages, and 26.1 per cent for the various materials used.

While fourteen of the nineteen establishments are located in Ontario, the remaining five, located in Quebec, have a slightly larger capitalization and value of work completed. The following table illustrates the percentage distribution of the industry in the two provinces.

| Provinces     | Capital<br>Invested | Employees | Salaries<br>and Wages | Cost of<br>Materials<br>Used | Gross<br>Value of<br>Work<br>Performed |
|---------------|---------------------|-----------|-----------------------|------------------------------|--|
|               | p.c.                | p.c.      | p.c.                  | p.c.                         | p.c.                                   |
| Ontario ..... | 47.5                | 55.3      | 59.8                  | 56.6                         | 49.9                                   |
| Quebec .....  | 52.5                | 44.7      | 40.2                  | 43.4                         | 50.1                                   |
| CANADA .....  | 100.0               | 100.0     | 100.0                 | 100.0                        | 100.0                                  |

The dyeing and finishing of textile goods is the principal source of revenue in this industry. In 1931 some 17,989,971 yards of various fabrics were treated at a cost of \$2,536,093. In 1930 the yardage was 18,949,029 and the cost \$2,642,480. Other processing includes printing, painting, bleaching, shrinking and



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waterproofing.

Dyes, chemicals, soaps, etc., are the principal materials used and they are noted in detail in table 4.

Table 1. - Principal Statistics, 1927-1931.

| Years and Provinces | Estab-lish-ments Report-ing | Capital Invested | Em-ployees | Salaries and Wages | Cost of Materials Used | Gross Value of Work Performed | Value added by Manufacture |
|---------------------|-----------------------------|------------------|------------|--------------------|------------------------|-------------------------------|----------------------------|
|                     | No.                         | \$               | No.        | \$                 | \$                     | \$                            | \$                         |
| 1927 .....          | 17                          | 4,048,487        | 786        | 851,537            | 739,783                | 2,673,852                     | 1,884,069                  |
| 1928 .....          | 18                          | 4,278,726        | 930        | 986,013            | 824,475                | 3,104,193                     | 2,279,718                  |
| 1929 .....          | 17                          | 4,448,419        | 967        | 1,021,752          | 1,053,505              | 3,517,507                     | 2,464,002                  |
| <u>1 9 3 0</u>      |                             |                  |            |                    |                        |                               |                            |
| CANADA ....         | 19                          | 4,264,323        | 847        | 891,822            | 611,772                | 2,776,784                     | 2,165,012                  |
| Ontario .....       | 15                          | 2,010,542        | 502        | 547,878            | 288,299                | 1,382,453                     | 1,094,154                  |
| Quebec .....        | 4                           | 2,254,281        | 345        | 343,944            | 323,473                | 1,394,331                     | 1,070,858                  |
| <u>1 9 3 1</u>      |                             |                  |            |                    |                        |                               |                            |
| CANADA ....         | 19                          | 4,705,396        | 847        | 945,002            | 754,646                | 2,893,333                     | 2,138,687                  |
| Ontario .....       | 14                          | 2,233,993        | 468        | 565,115            | 427,198                | 1,445,071                     | 1,017,873                  |
| Quebec .....        | 5                           | 2,471,403        | 379        | 379,887            | 327,448                | 1,448,262                     | 1,120,814                  |

Table 2. - Comparison of Principal Statistics, 1930 and 1931.

| Items                               |               | 1 9 3 0   | 1 9 3 1   | / Increase<br>- Decrease |
|-------------------------------------|---------------|-----------|-----------|--------------------------|
| Establishments reporting .....      | No.           | 19        | 19        | -                        |
| Capital invested .....              | \$            | 4,264,823 | 4,705,396 | / 440,573                |
| Employees on salaries .....         | Total No.     | 132       | 123       | - 4                      |
| Male .....                          | No.           | 94        | 100       | / 6                      |
| Female .....                        | No.           | 38        | 28        | - 10                     |
| Salaries .....                      | \$            | 265,702   | 296,212   | / 30,510                 |
| Employees on wages .....            | (Average) No. | 715       | 719       | / 4                      |
| Male .....                          | No.           | 616       | 622       | / 6                      |
| Female .....                        | No.           | 99        | 97        | - 2                      |
| Total wages .....                   | \$            | 626,120   | 648,790   | / 22,670                 |
| Power equipment -                   |               |           |           |                          |
| Units .....                         | No.           | 523       | 507       | - 16                     |
| Horse-power capacity .....          | H.P.          | 2,959     | 3,039     | - 80                     |
| Cost of fuel and electricity .....  | \$            | 198,746   | 171,564   | - 27,182                 |
| Cost of materials used .....        | \$            | 611,772   | 754,646   | / 142,874                |
| Gross value of work performed ..... | \$            | 2,776,784 | 2,893,333 | / 116,549                |
| Value added by manufacture .....    | \$            | 2,165,012 | 2,138,687 | - 26,325                 |

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Table 3. - Value of Work Performed in 1930 and 1931.

| Principal Items   | Unit of Measure | 1 9 3 0    |            | 1 9 3 1    |            |
|---|-----------------|------------|------------|------------|------------|
|   |                 | Quantity   | Cost Value | Quantity   | Cost Value |
|   |                 |            | at Plant   |            | at Plant   |
|   |                 |            | \$         |            | \$         |
| Dyeing, and dyeing and finishing of textile goods .....                       | Yard            | 18,949,029 | 2,642,480  | 17,989,971 | 2,536,093  |
| Shrinking .....   | "               | 4,571,999  | 114,272    | -          | 66,977     |
| Bleaching .....   | "               | -          | 3,536      | -          | 5,516      |
| All other work, including printing, painting and water-proofing fabrics ..... | -               | -          | 16,496     | -          | 284,747    |
| TOTAL WORK PERFORMED  | -               | -          | 2,776,784  | -          | 2,893,333  |

Table 4. - Materials Used, 1930 and 1931.

| Principal Materials                       | Unit of Measure | 1 9 3 0  |            | 1 9 3 1   |            |
|---|-----------------|----------|------------|-----------|------------|
|   |                 | Quantity | Cost Value | Quantity  | Cost Value |
|   |                 |          | at Factory |           | at Factory |
|   |                 |          | \$         |           | \$         |
| Alum .....                                | Pound           | 120,744  | 1,911      | 92,575    | 1,442      |
| Liquid ammonia .....                      | Gallon          | 10,182   | 4,553      | 12,967    | 5,541      |
| Chloride of lime (bleaching powder) ..... | Pound           | 136,379  | 2,907      | 83,253    | 2,210      |
| Aniline and other dyes .                  | "               | 138,723  | 138,653    | 183,980   | 152,652    |
| Common salt (sodium chloride) .....       | "               | 839,496  | 4,838      | 1,073,740 | 6,038      |
| Washing soda (sodium carbonate) .....     | "               | 156,348  | 4,044      | 165,484   | 3,852      |
| Soaps .....                               | "               | 569,213  | 43,263     | 437,434   | 32,558     |
| Starch .....                              | "               | 156,431  | 7,992      | 121,320   | 6,036      |
| Alcohol .....                             | Proof Gal.      | 46       | 45         | 16        | 35         |
| Gasoline or benzine ....                  | Gallon          | 4,259    | 1,312      | 3,069     | 833        |
| Salts used for dyeing (mordants) .....    | -               | -        | 13,998     | -         | 8,909      |
| Other chemicals .....                     | -               | -        | 280,526    | -         | 233,030    |
| Buttons, thread, linings, etc. ....       | -               | -        | 2,909      | -         | 4,944      |
| All other materials ....                  | -               | -        | 75,439     | -         | 278,162    |
| Packing and shipping materials .....      | -               | -        | 29,382     | -         | 18,354     |
| TOTAL MATERIALS USED                      | -               | -        | 611,772    | -         | 754,646    |

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Table 5. - Capital Invested, 1927-1931.

| Year and<br>Provinces | Fixed<br>Capital  | Working Capital   |  |  | Total<br>Capital |
|-----------------------|---|---|--|--|------------------|
|                       | Land,<br>buildings,<br>fixtures,<br>machinery,<br>tools, etc. | Materials<br>on hand,<br>Stocks in<br>process,<br>fuel and<br>mis-<br>cellaneous<br>supplies,<br>etc. | Inventory<br>value of<br>finished<br>products<br>on hand | Cash, bills<br>and accounts<br>receivable,<br>prepaid<br>expenses,<br>etc. |                  |
|                       | \$  | \$  | \$   | \$   | \$               |
| 1927 .....            | 3,347,225   | 293,274   |  | 407,988  | 4,048,487        |
| 1928 .....            | 3,537,793   | 314,624   |  | 426,309  | 4,278,726        |
| 1929 .....            | 3,618,696   | 366,353   |  | 463,370  | 4,448,419        |
| 1930 .....            | 3,492,301   | 342,841   |  | 429,681  | 4,264,823        |
| <u>1 9 3 1</u>        |   |   |  |  |                  |
| CANADA .....          | 3,867,232   | 284,422   | 14,989   | 538,753  | 4,705,396        |
| Quebec .....          | 1,950,125   | 182,321   | -  | 338,957  | 2,471,403        |
| Ontario .....         | 1,917,107   | 102,101   | 14,989   | 199,796  | 2,233,993        |

Table 6. - Employees, Salaries and Wages, 1930 and 1931.

|                              |     | 1 9 3 0 | 1 9 3 1 |
|------------------------------|-----|---------|---------|
| Salaried employees -         |     |         |         |
| Total .....                  | No. | 132     | 128     |
| Male .....                   | No. | 94      | 100     |
| Female .....                 | No. | 38      | 28      |
| Total salaries .....         | \$  | 265,702 | 296,212 |
| Wage-earners (Average) ..... | No. | 715     | 719     |
| Male .....                   | No. | 616     | 622     |
| Female .....                 | No. | 99      | 97      |
| Total wages .....            | \$  | 626,120 | 648,790 |
| Total employees -            |     |         |         |
| Total .....                  | No. | 847     | 847     |
| Male .....                   | No. | 710     | 722     |
| Female .....                 | No. | 137     | 125     |
| Salaries and wages .....     | \$  | 891,822 | 945,002 |



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Table 7. - Monthly Employment of Wage-earners, 1930 and 1931.

| Months                | 1 9 3 0 |        |       | 1 9 3 1 |        |       |
|-----------------------|---------|--------|-------|---------|--------|-------|
|                       | Male    | Female | Total | Male    | Female | Total |
|                       | No.     | No.    | No.   | No.     | No.    | No.   |
| January .....         | 639     | 96     | 735   | 635     | 93     | 728   |
| February .....        | 670     | 99     | 769   | 659     | 105    | 764   |
| March .....           | 656     | 104    | 760   | 657     | 108    | 765   |
| April .....           | 644     | 96     | 740   | 658     | 110    | 768   |
| May .....             | 603     | 96     | 699   | 623     | 100    | 723   |
| June .....            | 568     | 91     | 659   | 610     | 96     | 706   |
| July .....            | 550     | 87     | 637   | 596     | 90     | 686   |
| August .....          | 573     | 93     | 666   | 610     | 90     | 700   |
| September .....       | 597     | 100    | 697   | 620     | 94     | 714   |
| October .....         | 638     | 106    | 744   | 604     | 94     | 698   |
| November .....        | 600     | 97     | 697   | 585     | 95     | 680   |
| December .....        | 621     | 96     | 717   | 574     | 93     | 667   |
| MONTHLY AVERAGE ..... | 616     | 99     | 715   | 622     | 97     | 719   |

Table 8. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1931.

| Number of Hours<br>Worked per Week | Number of<br>Employees | Number of Hours<br>Worked per Week | Number of<br>Employees |
|------------------------------------|------------------------|------------------------------------|------------------------|
| 40 hours or less .....             | 2                      | 51-53 hours .....                  | 38                     |
| 41-43 hours .....                  | -                      | 54 hours .....                     | 42                     |
| 44 hours .....                     | 43                     | 55 hours .....                     | 129                    |
| 45-47 hours .....                  | 14                     | 56-59 hours .....                  | 6                      |
| 48 hours .....                     | 108                    | 60 hours .....                     | 24                     |
| 49-50 hours .....                  | 392                    | Over 60 hours .....                | 9                      |

The above table does not include overtime.

THE DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1931.

Table 9. - Power Equipment, 1930 and 1931.

| Classes of Power                                     | 1 9 3 0            |  | 1 9 3 1            |  |
|--|--------------------|--|--------------------|--|
|  | Number<br>of Units | Manufacturers'<br>Rating of<br>Horse-power<br>Capacity | Number<br>of Units | Manufacturers'<br>Rating of<br>Horse-power<br>Capacity |
| Steam engines and steam<br>turbines .....            | 5                  | 98   | 3                  | 118  |
| Electric motors operated by<br>purchased power ..... | 518                | 2,861  | 504                | 2,921  |
| TOTAL POWER USED IN<br>MANUFACTURING .....           | 523                | 2,959  | 507                | 3,039  |
| Total Electric Motors .                              | 518                | 2,861  | 504                | 2,921  |
| Boiler installation .....                            | 32                 | 5,254  | 24                 | 4,035  |

Table 10. - Consumption of Fuel and Electricity, 1930 and 1931.

| Kinds of Fuel   | Unit of<br>Measure | 1 9 3 0  |                                | 1 9 3 1   |                                |
|---|--------------------|----------|--------------------------------|-----------|--------------------------------|
|   |                    | Quantity | Cost Value<br>at Factory<br>\$ | Quantity  | Cost Value<br>at Factory<br>\$ |
| Coal -  | Ton                |          |                                |           |                                |
| Bituminous .....  | (2000 Lbs.)        | 24,514   | 143,967                        | 19,677    | 122,749                        |
| Anthracite .....  | "                  | 2,111    | 9,081                          | 1,456     | 5,734                          |
| Lignite .....   | "                  | 250      | 1,650                          | -         | -                              |
| Coke (for fuel only) ..   | "                  | -        | -                              | 20        | 190                            |
| Gas, manufactured .....   | M cu. ft.          | 463      | 383                            | 163       | 189                            |
| Gas, natural .....  | M cu. ft.          | 3,109    | 2,332                          | 5,856     | 4,398                          |
| Other fuel .....  | -                  | -        | 283                            | -         | -                              |
| TOTAL COST OF FUEL  | -                  | -        | 157,701                        | -         | 133,310                        |
| Electricity purchased<br>for power (including<br>service charges) ..... | K.W.H.             | -        | 41,045                         | 2,098,097 | 38,254                         |
| TOTAL COST OF FUEL<br>AND ELECTRICITY .....                             | -                  | -        | 198,746                        | -         | 171,564                        |



- 7 -

THE DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1931.

A P P E N D I X

QUEBEC

|  |                                  |
|--|----------------------------------|
| Jas. Fraser & Sons,                                  | 52 Nazareth Street, Montreal.    |
| Holdsworth Company Limited,                          | 498 Ash Avenue, Montreal.        |
| Franco Canadian Dyers, Limited,                      | 159 Cousins Street, St. John.    |
| Dominion Silk Dyeing & Finishing<br>Company Limited, | 35 Heriot Street, Drummondville. |
| Dominion Silk Printing Limited,                      | Heriot Street, Drummondville.    |

ONTARIO

|                                       |  |
|---------------------------------------|--|
| Ammann Dye Works,                     | 231 Front Street East, Toronto.                                    |
| R. H. Comey & Company Limited,        | 68 Claremont Street, Toronto.                                      |
| Griffin Dyeing Company Limited,       | 370 Richmond Street West, Toronto.                                 |
| Holdsworth & Company,                 | 7 Ontario Street, Toronto.   |
| Hughes & Company,                     | 786 King Street West, Toronto.                                     |
| Novelty Textile Printing Works,       | 119 Pearl Street, Toronto.   |
| Premier Dye Works,                    | 648 Adelaide Street West, Toronto.                                 |
| Summit Dyeing Company Limited,        | 590 King Street West, Toronto.                                     |
| Textile & Dyers Corporation Limited,  | William Street, Cobourg.   |
| The Robe & Clothing Company Limited,  | 40 Ontario Street South, Kitchener.                                |
| Universal Silk Dyers Limited,         | 18 Logie Street, Lindsay. (H.O. 884-888<br>Dufferin St., Toronto). |
| Middlesex Mills Limited,              | 1127 Dundas Street East, London.                                   |
| Guaranty Silk Dyeing & Finishing Co., | 30 Phelps Street, St. Catharines.                                  |
| W. Robinson & Son Converters, Ltd.,   | Woodbridge.  |

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