# CANADA <br> DEPARTMENT OF TRADE AND COMMERCE DOMINION BUREAU OF STATISTICS CENSUS OF INDUSTRY GENERAL MANUFACTURES BRANCH 

## REPORT

## ON THE

# DYEING \& FINISHING OF TEXTILE GOODS 

## IN

## CANADA

1936

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> DEPARTMENT OF TRADE AND COMAERCE
> DOMINION BUREAU OF STATISTICS
> GENERAL MANUFACTURES BRANCH
> OTTANA - CANADA

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DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1936.

In 1936 reports were received from twenty-five establishments engaged in the dyeing and finishing of textile goods. These include only those establishments whose occupation is primarily the dyeing and finishing of such goods, and do not include textile manufacturers who operate a dyeing and finishing plant or department in connection with their own manufacturing. The capital invested in these twonty five establishments in 1936 amounted to $\$ 5,261,555$. Enployment was fumished to 1,025 persons who were paid the sum of $\$ 973,797$ in salaries and wages, while the gross value of the work performed amounted to $\$ 3,568,362$.

This industry is confined to the Provinces of Ontario, Quebec and Nova Scotia. Ontario, with fourteen establishments, employed 529 persons, while Quebec, with ten establishments, and Nova Scotia, with one, together employed 496. Ontario employed 47.6 per cent of the capital and 51.6 per cent of the total number of employees.

Two new plants began production in this industry in 1936, which resulted in an increase of $\$ 174,847$ in the fixed capital. The working capital, however, declined by $\$ 170,321$, leaving a net increase of $\$ 4,526$ in the capital invested. In spite of the increase of two establishments, production in 1936 was materially lower. Compared with the previous year, there was a drop of $\$ 436,372$ or 10.9 per cent in the value of work performed and $\$ 255,051$ or 11.6 per cent in the value added by manufacture. The amount paid out in salaries and wages also declined by $\$ 34,803$, while the number of persons employed increased by 28.

The gross value of the work performed in 1936 amounted to $\$ 3,568,362$, of which $\$ 2,017,823$, or approximately 57 per cent, was connected with the dyeing and finishing of textile fabrics. The dyeing and finishing of yarns amounted to $\$ 1,099,812$ or 31 per cent, while the printing and painting of fabric and all other work totalled $\$ 450,727$. The various items are show in detail in table 3 .

As indicated in table 7, there is little or no seasonal variation in employment in this industry. The great majority of the wage-earners are male, and numbered 721 or 82 per cent in 1936, while the fenale wage earners totalled 156. The avarage wage was $\$ 739$ as compared to $\$ 814$ in 1935, while the average salary rose from $\$ 2,112$ in that year to $\$ 2,199$ in 1936 .

DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1936。

Table 1。 . Principal Statistics, 1927 to 1936.

| Year and Provinces | Estab-lishments | Capital <br> Invested | Total Employees | Total Salaries and Wages | Cost of Materials Used | Gross Value of Work Performed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | \$ | No. | \$ | \$ | \$ |
| 1927 | 17 | 4,048,487 | 786 | 851,537 | 789, 783 | 2,673,852 |
| 1928 | 18 | 4,278,726 | 930 | 986,013 | 824,475 | 3,104,193 |
| 1929 | 17 | 4,448,419 | 967 | 1,021,752 | 1,053,505 | 3,517,507 |
| 1930 | 19 | 4,264,823 | 847 | 891,822 | 611,772 | 2.776,784 |
| 1931 | 19 | 4,705,396 | 847 | 945,002 | 754,646 | 2,893,333 |
| 1932 | 19 | 4,688,350 | 762 | 804,100 | 619,662 | 2,537,348 |
| 1933 | 22 | 5,627,806 | 864 | 854,751 | 1,204,498 | 3,175,049 |

## 1934

CANADA ...... 24
Ontario ............ 15
Quebec and Nova
Scotia
9

| $5,397,621$ | 940 |
| :--- | :--- |
| $2,564,157$ | 503 |
| $2,833,464$ | 437 |

931,721
1,504,033
3,778,652
$514,660 \quad 1,161,499 \quad 2,416,080$
$417,061 \quad 342,534 \quad 1,362,572$

1935
CANADA ........ 23
Ontario ........... 1
Quebec and Nova
Scotia .......... 9
$2,660,140 \quad 464$
$1,008,600$
1,560,868
4,004,734
551,622
1,195,988
2,573,929
456,978
364,880
$1,430,805$

## 1936

CANADA ......... 25
Ontario .......... 14
Quebec and Nova
Scotia
11

| $5,261,555$ | 1,025 |
| ---: | ---: |
| $2,504,442$ | 529 |
| $2,757,113$ | 496 |


| 973,797 | $1,422,656$ |
| ---: | ---: |
| 530,113 | $1,105,506$ |
| 443,684 | 317,150 |

3,568, 362
2,238,762
1,329,600

Table 2. - Comparison of Principal Statistics, 1935 and 1936.


## DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1936.

Table 3. - Value of Work Performed, 1935 and 1936.


## DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1936.

Table 4. . Materials Used, 1935 and 1936.

| Principal Materials | Unit of Measure | 1935 |  | 1936 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Cost Value at Plant | Quantity | Cost Value at Plant |
|  |  |  | \$ |  | \$ |


| iline and other dyes <br> Sulphur colours | Pound | 67.127 | 38,709 | 119,750 | 86,165 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Direct colours ......... | " | 56,090 | 58,874 | 38.188 | 34,890 |
| Indirect colours ....... | " | 12.571 | 14.279 | 5,463 | 7,169 |
| Acid or basic colours | " | 67,020 | 48,768 | 132,875 | 95,540 |
| Other colours and dyes. | " | 146,675 | 97,455 | 25,934 | 19,328 |
| Alum | " | 76,210 | 1,060 | 63,810 | 893 |
| Common salt (sodium chloride) | " | 2,327,718 | 10.322 | 1,331,421 | 8,694 |
| Chloride of lime | 11 | 27,336 | 655 | 33.185 | 610 |
| Glauber s salt | " | 702,829 | 8,668 | 624,912 | 8,360 |
| Soda ash ................. | " | 419,909 | 8,015 | 339,812 | 5,922 |
| Soaps .....t.............. | " | 650, 828 | 44,273 | 479,438 | 33,935 |
| Star h ...t.a.v............. | " | 220,449 | 10,916 | 292,430 | 10,810 |
| Other weighting materials | - |  | 26. 338 |  | 27,358 |
| Liquid ammoria ........... | Pound | 59.020 | 2,248 | 50,335 | 1,807 |
| Liquid chlorine ........... | " | 140,819 | 4,297 | 130,996 | 4,475 |
| Gasoline and benzine | Gallon | 1,210 | 469 | 1,815 | 697 |
| Alcohol | Frf. Gal. | 345 | 249 | 629 | 470 |
| Hydrogen peroxide ........ | Pound | 70,1.22 | 16,065 | 71.252 | 15,539 |
| Sulphuric acid $66^{\circ}$ Bé | " | 277.320 | 5,332 | 266,810 | 4.865 |
| Acetic acid | \% | 85,573 | 6,739 | 100,532 | 7.215 |
| Formic: acid | " | 95,599 | 8,025 | 57,784 | 7.8840 |
| Muriatic acid 00000000 | " | 304,693 | 4,612 | 210,41 ? | 3,209 |
| Sulphonated oils ......... | " | 23.789 | 22.820 | 15,175 | 15,656 |
| Carbon tetrachloride | " | 7,538 | 609 | 5,823 | 514 |
| Tin tetrachioride ....... | " | 468,140 | 126.172 | 254,811 | 68,229 |
| Trisodium phosphate ...... | " | 17.286 | 704 | 43,404 | 2,205 |
| Caustic soda .............. | " | 630,986 | 24,743 | 743,325 | 20,090 |
| other chemicals, not specified |  |  | 128,440 | - - | 27,013 |
| Rubberizing materials ... | $\cdots$ | - | 5,149 | $\sim$ | 6,369 |
| All other materials ..... |  |  | 795,861 | $=$ | 856,509 |
| Packing and shipping materials | - | - | 40,003 | - | 40,280 |

TOTAL COST OF


DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1936.

Table 5. - Capital Investec, 1927 to 1936.

| Year and Provinces | $\begin{aligned} & \text { Fixed } \\ & \text { Capital } \end{aligned}$ | Working Capital |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Land, buildings, fixtures, machinery, tools and other equipment | Inventory Value of materials on hand, stocks in process, finished products, fuel and miscellaneous supplies on hand | Operating Capital (cash, bills and accounts receivable, <br> Prepaid Expenses, etc.) | Total Capital |
|  | \$ | \$ | $\delta$ | \$ |
| 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 |
| 1931 | 3,867,232 | 299,411 | 538,753 | 4,705,396 |
| 1932 | 3,768,817 | 247,243 | 672,290 | 4,688,350 |
| 1933 | 4,153,111 | 620,936 | 853,759 | 5,627,806 |
| 1934 |  |  |  |  |
| CANADA | 4,000,270 | 532,581 | 864,770 | 5,397,621 |
| Ontario ..... | 1,892,374 | 314,106 | 357,677 | 2,564,157 |
| Quebec and Nova Scotia | 2,107,896 | 218,475 | 507,093 | 2,833,464 |
| CANADA .... | 3,927,789 | 424,633 | 904,607 | 5,257,029 |
| Ontario | 1,832,034 | 262,098 | 502,757 | 2,596,889 |
| Nova Scotia | 2,095,755 | 162,535 | 401,850 | 2,660,140 |
| Cavada .... | 4,102,636 | 415,576 | 743,343 | 5,261,555 |
| Ontario | 1,866,721 | 242,327 | 395,394 | 2,504,442 |
| Nova Scotia | 2,235,915 | 173,249 | 347,949 | 2,757,113 |

## DYEING AND FINISHING OF TEXTILE GOODS IN CANADA, 1936.

Table 6. - Employees by Sex and Remuneration, 1935 and 1936.

$$
1935 \quad 1936
$$

Salaried Employees
Total ..... No ..... 152148
115116Female3732
Total salaries 321,088 ..... 325,400
Wage -earners -
No. Monthly average845
877
699 Male ..... 721
146 Female687,512648,397
Total Employees


Table 7. .- Monthly Employment of Wage earners, 1934 to 1936.


## DYIMO MW FIISHITG OF FEXIITE 000DS IN CNHDA, 1936.

Wable 8. - Number of Vage-earners in Month of Higheot Pmployment and tho15 Rogular Forres of Tork in 1935 and 1936.

| Number of Houre Woriced par Meak | Number of tuployeen |  | Number of Hourn Woriced per Tenk | Number of tuployeen |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1935 | 1936 |  | 1935 | 1936 |
| 40 hours or less | 61 | 65 | 51-53 hour | 81 | 95 |
| 4143 hour .. | 37 | 20 | 54 howr | 73 | 70 |
| 44 hour | 20 | 25 | 55 hours ............... | 240 | 202 |
| 45-47 howr | 103 | 103 | 56-59 hour ........... | 68 | 90 |
| 48 hours... | 15 | 24 | 60 hours and over .e... | 112 | 82 |
| 49-50 hower | 191 | 147 |  |  |  |

The above table doce not include overtim.

Table 9. - Power Equipment, 1935 and 1936.

| Classen of Power | 1935 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Ordinarily in Uso |  | In Reserve or Idlo |  |
|  | Bumber of Unita | Manulacturer ${ }^{1}$ Bating of Eог: power Capsec ity | Neder | Mamifacturers! Bating of Horse-power Oapacity |
| Staem onginal and stean turbinos. | 4 | 155 | 2 | 11 |
| Electric motore operated by purchnsed power | 757 | 3.757 | 12 | 102 |
| TOTAL POINR USED IN <br>  | 761 | 3.942 | 14 | 113 |
| Boiler installation ............... | 32 | 2,837 | - | - |

1936

| Clases of Powor | Ordinarily in tue |  | In Benerwo or Idle |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Suraber of tuit | Manufacturernl Rating of Horsompowor Capacity | number <br> of that ta | Manutactureryl Eating of Horsempower Capacity |
| Staam onginos and toan turbines. | 2 | 55 | 2 | 70 |
| slectric motore operated by purchased power | 791 | 3.935 | 11 | 95 |
| TOTAL POTHR USED IX <br> MANUTACTURIMG | 793 | 3.990 | 13 | 165 |
| Boiler inotallation .............. | 28 | 3.357 | - | - |

Table 10. - Consumption of Fuel and Electricity, 1935 and 1936.


## QUEBEC

Art Fabric Printing Company， Paul Barrette， Canada Pad \＆Sponging Limited， Dominion Silk Dyeing \＆Finishing Co．Ltd．， Dominion Silk Printing Limited， Franco Canadian Dyers Limited， Jas。 Fraser \＆Sons， Globe Hat Forks Limited， Holdsworth Company Limited， National Processing Company，

143 Lagauchetiere Street West，Montreal．
444 St．Paul Street East，Montreal．
460 St．Catherine Street West，Montreal．
35 Heriot Street，Drummondville。
Heriot Street，Drummondville．
159 Cousins Street，St．Johns．
52 Nazareth Street，Montreal．
74 Turgeon Street，Montreal．
498 Ash Avenue，Montreal．
361 Craig Street West，Montreal．

## ONTARIO

Aberfoyle Manufacturing Company， Armstrong Dye Works， R．H．Comey \＆Company Limited， Griffin Dyeing Company Limited， Guaranty Silk Dyeing \＆Finishing Company， Holdsworth \＆Company， Hughes \＆Company， Dyers \＆Rubberizers Limited， Novelty Textile Printing Works， W．Robinson \＆Son，Converters Limited．

Summit Dyeing Company Limited， The Barrie Glove \＆Knitting Company Ltd， The Cobourg Dyeing Company Limited， Toronto Dyeing \＆Finishing Works，

Metcalfe Street，Guelph．
84 Simcoe Street West，Hamilton。
68 Claremont Street，Toronto． 225 Sterling Road，Toronto．
30 Phelps Street，St。Catharines．
7 Ontario Street，Toronto．
786 King Street West，Toronto．
251 Sorauren Street，Toronto．
119 Pearl Street，Toronto．
Woodbridge，（H．O．－ 55 Wellington Street， Toronto）．
590 King Street West，Toronto。
40 Ontario Street South，Kitchener．
William Street，Cobourg．
356－370 Dufferin Street，Toronto．



83
$4 x^{2}$
$\qquad$

$\qquad$

