Published by Authority of the Hon. James A. MacKINNON, M.P. Minister of Trade and Commerce

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

## REPORT

## ON THE

## ARTIFICIAL AND REAL SILK INDUSTRY

IN

## CANADA

1943

$$
\begin{aligned}
& \text { s3 - }
\end{aligned}
$$

Dominion Statistician:
Chief, General Manuractures Branchs
S. A. Cudmore, M.A. (Oxon) , FoS.S. F F R.S.C. A. Cohen, Bocom.

$$
\text { ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA, } 1943
$$

The Silk Industry in Canada is divided into two branches, Real Silk and Artificial Silk。 Due to war conditions, the Real Silk section of the industry has ceased to be of importance, and the statistics presented in this report reflect essentially (1) the basic production of three types of artificial silk yarns, as follows, viscoco, from wood pulp, acetate, from ootton linters, and nylon, from nyion flakes, and (2) the spinning and weaving operations of firms whose materials are largely artificial silk. It is unavoidable that there should be included minor hosiery and fabric knitting operations, but all firms entitled to be classified as knitters, whether using artificial silk or not, are assigned to the Hosiery and Knit Goods Industry, the statistios for wich are given in a separate report.

With further regard to the problem of presenting statistics for the Silk Industry, which contains both the basio production of oontinuous filament artificial silk yarns, and their later consumption by weavers of artificial silk fabrics, it should be noted that imported rayon staple fibre is also spun into yarn and lator used in weaving。 This rayon staple fibre, which is produced in short lengths, and must be spun into yarn like natural textile fibres, is consumed not only by firms classified under the Silk Industry, but also to a very considerable extent by cotton mills. These mills spin largely for their own weaving needs but a pere centage of the spun rayon yarn they produce is sold to other establishments. Cotton mills also consume continuous filament artificial silk yarns, which they weave into fabrics, either alone or in mixtures. This means that important artificial silk yarn and fabric production is an integrai part of the cotton Industry. For this reason it has been thought desirable to show cotton mill production of this nature in a supplementary section following table 6 of this report. Table 6 gives in as much detail as possible the production of fabrics. yarns, ote in the Silk Industry only.

It may also be interesting to note that, in addition to rayon staple fibre, it is neoessary to import continuous filament yarns to supplement home production.

In the year at present under review, 1943, reports were received from thirty three establishments. Twenty-three of these were located in Quebec, nine in Ontario and one in New Brunswick.

The gross value of yarns produced for sale, fabrics, etc. amounted to $\$ 50,440,088$, an increase of $\$ 2,384,531$ or about 5 per cent as compared with the previous year. Employment was given to 10,920 persons, a decrease of 168 or 1.5 per cent, but the payroll, $\$ 13,714,158$, represented an additional disbursement to salaried employees and wage-earners of $\$ 674,579$ or 5 per oent. Materials used cost $\$ 19,454,469$, an increase of $\$ 1,214,759$ or 6 per cent. Capital invested totalled $\$ 50,361$, 261 . which was an enlargement of only $\$ 82,006$ or less than one per cent.

Fabrics woven from artificial silk yarn, and from artificial silk mixed with other fibres, represented the greater part of the production of the artificial and real silk industry, Fabric woven entirely from continuous filament artificial silk yarn totalled $44,834,713$ yards valued at $\$ 21,213,918$ in 1943 and 51, 177,690 yards with value of $\$ 23,673,054$ in 1942. The use of spun povnm is increasing and fabrics spun from this type of artificial silk yarn were reported to the oxtent of $6,834,268$ yards worth $\$ 3,235,383$ in 1943 as against $6,403,346$ yards valued at \$2,595,650 in 1942.

Rayon staple fibre was used to the extent of $4,045,405$ pounds worth $\$ 1,379,186$ 。 Under purchased yarns consumed, continuous filament viscose, acetate and bemberg together totalled $7,260,688$ pounds worth $\$ 5,742,995$, spun rayon (including spun rayon mixtures), $1,251,642$ pounds worth $\$ 856,202$, and cotton, $1,852,875$ pounds worth $\$ 1,161,547$. Dyestuffs, chemicals, etc. used cost $\$ 2,826,863$, the large total being partly due to the use of chemicals in the conversion of wood pulp, etc. into artificial silk. Due to the fact that only one establishment in each case carries on basic production operations, it is impossible to show the consumption of wood pulp, cotton linters and nylon flakes. However, it should be mentioned that in 1943 a shortage of cotton linters necessitated the experimental production of acetate from wood pulp.

ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA. 1943.
Table 1. - Principal Statistics, 1923 to 1943.

| Year |  | $\begin{aligned} & \text { Estab- } \\ & \text { lish- } \\ & \text { ments } \end{aligned}$ | Capital <br> Invested | $\begin{gathered} \text { Em- } \\ \text { ployees } \end{gathered}$ | Salaries and Wages | Cost of Materials Used | Gross <br> Value of Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. | \$ | No. | \$ | \$ | \$ |
| 1923 |  | 7 | 4,594,313 | 1.457 | 1,224,036 | $\therefore 6778.29$ | 5,044,968 |
| 1924 |  | 10 | 5,744,502 | 1.210 | 978 , 686 | 2,486,845 | 4,381,234 |
| 1925 |  | 11 | 9,224,224 | 1,727 | $1.364,857$ | 3,361,035 | 5,483,363 |
| 1928 |  | 16 | 26,159,703 | 3,933 | 3,441,549 | $4,638,717$ | 10,897,273 |
| 1929 |  | 23 | 28,278,657 | 4,372 | 3,825,796 | 6,091,124 | 14,476,080 |
| 1930 |  | 25 | 30,506,060 | 5,393 | 4,718,590 | 7,633,329 | 17,808,598 |
| 1931 |  | 23 | 32,205,207 | 6.273 | 5,758,995 | $6,482,197$ | 18,187,492 |
| 1932 |  | 24 | 28,021,412 | 7.036 | $5,756,865$ | $78.858,104$ | 19,864,843 |
| 1933 |  | 29 | 30,192,870 | 7,801 | 6,138,532 | 7,795,542 | 22,754,969 |
| 1934 |  | 29 | 34,192,892 | 9,220 | 7 , 535,972 | $9.553,932$ | 25,879,059 |
| 1935 |  | 33 | 35,063,023 | 10.088 | 8,371,037 | 10,946,739 | 28,045,340 |
| 1936 |  | 35 | 34,947,643 | 10,189 | 8,877,373 | 10,732,371 | 26,930,821 |
| 1937 |  | 29 | 34, 135, 176 | 10,246 | 9,099,437 | 10,453,196 | 27,871,292 |
| 1938 |  | 28 | 31,780,203 | 8,922 | 8,147,841 | 8,882, 157 | 23,871,992 |
| 1939 | - | 26 | 32,343,433 | 8,221 | 7,972,404 | 9,872,472 | 25,440, 527 |
| 1940 |  | 27 | 38,615,058 | 8,512 | 8,757,474 | 11,662,908 | 31,207,809 |
| 1941 | - - * - 0 | 30 | 42,690,766 | 10.140 | 17.,005,770 | 15,855;842 | 41,549,845 |

## 1942

CANADA .... 33
Quebec.......... 2
Ontario and
New Brunswick .. 10
$50,279,255 \quad 11,088 \quad 13,039,579 \quad 18,339,710$
$27,978,594 \quad 7,511 \quad 8,628,819 \quad 13,216,511$
$22,300,661 \quad 3,577 \quad 4,410,760 \quad 5,123,199$
$22,300,661$
$48,055,557$
$33,705,831$
$14,349,726$
1943
$\qquad$
$\qquad$
$50,361,261$
10,920
$13,714,15819,454,469$
7,275
3.645
$3,645 \quad 4,868,128$
CANADA
33
27,946,959
22,414,302
$50,440,088$
33,921,329
Ontario and
New Brunswiok
( $x$ ) Three establishments with a combined gross value of production in excess of $\$ 1,500,000$ in 1940, and previously included under the real and artificial silk industry are now classified under the new primary textile industry "Narrow fabrics, laces, trimmings, etc."

Note: Profits or losses cannot be estimated from Census figures as no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc。

## ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA, 1943.

Table 2。 - Comparison of Principal Statistics, 1942 and 1943

| Items | 1012 | 1943 | + Increase <br> - |
| :--- | ---: | ---: | ---: | ---: |
| Derrease |  |  |  |

ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA． 1943.
Table 3．－Production， 1942 and 1943.

| Principal <br> Products |  | 1942 |  | 1943 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Unit of Measure |  | Selling |  | Selling |
|  |  | Quantity | Value at | Quantity | Value at |
|  |  |  | Factory |  | Factory |
|  |  |  | \＄ |  | \＄ |
| Woven fabrics－ |  |  |  |  |  |
| All real silk ．．．．．．．．．．0． | Yd． | 1，711，176 | 1，498，949 | （1） | （1） |
|  |  |  |  |  |  |
| All spun rayon 0.0000000 | ＂ | 6，403，346 | 2，595，650 | $44,854,713$ $6,834,268$ | $21,213,918$ $3,235,383$ |
| All cotton ． | ＂ | 1，118，877 | 345，596 | 1，291，854 | 399，528 |
| Continuous filament |  |  |  |  |  |
| other mixtures ．0．0． | ＂ | 4，716．182 | 2，872，566 | 5，178，859 | 3，736，397 |
| Spun rayon mixtures ．．．．． |  | 2n905，476 | 1，607，058 | 4，171，159 | 1，984，711 |
| All other woven fabrics |  | 1 1，263，329 | 1，107， 296 | 3，733，192 | 2，376，043 |

Yarn and thread－
Real silk，tnoluding
mixtures 0000日n00s000000 Lb

Artificial silk Bingles．＂
All other artificial silk， including mixtures oono．＂
All other yarns and threads
${ }^{\prime}$

Wraste 0000000000000000000 Lb
A11 other produots 0000000 －
Custom and commission work．－

| 71,421 | 579,237 | 13,172 | 123,096 |
| ---: | ---: | ---: | ---: |
| $13,213,418$ | $8,979,514$ | $10,257,862$ | $7,033,965$ |
| 833,054 | $1,314,934$ | $3,578,311$ | $6,100,443$ |
| 248,979 | 364,276 | 245,788 | 352,059 |
| $1,177,813$ | 121,277 | $1,568,061$ | 182,150 |
| $\square$ | $1,562,417$ | 0 | $1,647,474$ |
| 0 | $1,433,733$ |  | 0 |
|  | $48,055,557$ |  | $2,054,921$ |

（1）Included under＂All other woven fabrias＂。
General Notes
This report covers only those establishments whioh manufacture prinoi－ pally artifioial and real ailk fabrios，yarns，embroidery，thread， etc．and statistics for specific products are，therefore，not to be regarded as total production in Canada．For the total Canadian pro－ duction reference should be made to the Appendix to WThe Manufacturing Industries of Canada＂。

## ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA, 1943.

The weaving of artificial silk yarns into fabrio is also carried on in ootton mills, and the production of specified fabrios in the Cotton Yarn and Cloth Industry during the year 1943 is given belowi

| Products | Lineal Yards | Selling value at factory |
| :---: | :---: | :---: |
|  |  | \$ |
| All artificial silk, continuous filament - |  |  |
| Plece dyed ono.0.n.n.o........o.onowono | 2,155,655 | 669,660 |
|  | 6,345,456 | 1,677,842 |
| All spun rayon (including mixtures) .n.o | 11,010,235 | 2,928,652 |
| Cotton and continuous filment artificial silk mixed - |  |  |
| Grey and bleached..........no.noo.m.o. | 67.772 | 24,684 |
| Piece dyed ....0.0.0.0.0.0.n....no..nno. | 1,515,625 | 677,577 |

Table 4. - Materials Used. 1942 and 1943.

| Prinoipal Materials | $\begin{gathered} \text { Unit } \\ \text { of } \\ \text { Measure } \end{gathered}$ | 1942 |  | 1943 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Cost Value at Factory | Quentity | Cost Value at Factory |
|  |  |  | 8 |  | ¢ |
| Silk, raw .nno................ | Pound | 181. 018 | 756, 7.66 | 56,891 | 230,296 |
| Rayon staple fibre ............ | " | 3,574,721 | 1.131,958 | 4,045,405 | 1,379,186 |
| Other raw stock | " | - | 1.,839,097 | , | 3,552,169 |
| Yarns - |  |  |  |  |  |
| Silkn real | " | 31,829 | 127 , 316 | (1) | (1) |
| ```Artificial silk (continuous filament) ....``` | " | 8,808, 089 | 6,452,216 | 7,260,688 | 5,742,995 |
| Spun silk ......ne.............. | " | 69,301 | 195,737 | (1) | (1) |
| Spun rayon (including spun rayon mixtures) | " | 1,021,096 | 653,886 | 1,251,642 | 856.202 |
|  | " | 1,526,479 | 854,046 | 1,852,875 | 1,161,547 |
| All other ...nnom......n....ns | " | 344,150 | 546,643 | 570, 862 | 905,003 |
| Chemicals and dvestuffs ........ | - | - | 2,928,733 | - | 2,826,863 |
| All other materials and supplies | . | - | (2) $1,265,607$ | - | (2) 1,027,551 |
| Custom weaving, throwing, otco | - | - | 430,212 | $\cdots$ | 438, 012 |
| Dyeing and printing oharges | $\cdots$ | $\sim$ | 897,873 | - | 1,009,053 |
| Packing and shipping materials | - | - | 260,320 | - | 325,592 |
| TOTAL COST OF MATERIALS USED | $\cdots$ | $\cdots$ | 18,339,710 | - | 19,454,469 |

(1) Less than 3 establishments reporting. Inoluded in "Yarns, All other"。
(2) Includes woven greige fabric, etc.

ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA. 1943.
Table 5. © Capital Invested, 1927 to 1943.

| Year and Provinces | Working Capital |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Land, buildinga, foxtures, machinery, tools, eto. | Inventory value of matorials on hand, stock in process, finished products, fuel and miscellaneous supplies on hand | ```Operating Capital cash, bills, and accounts receivable, prepaid expenses, etc。``` | $\begin{aligned} & \text { Tatal } \\ & \text { Capital } \end{aligned}$ |
|  | \$ | \% | \$ | \$ |
| Canada, 1927 oono | 13,348,083 | 2,600,098 | 6,379,637 | 22.327-818 |
| $1 \% 1928 \ldots 00$ | 16,797,259 | 3,656,489 | 5,705,955 | 26,159,703 |
| $\cdots 1929$-0.0 | 17,795,190 | 4,360,403 | 6,123,064 | 28,278,657 |
| - $1930 \ldots 0$ | 18,947.649 | 5,029, ()17 | $6,529,394$ | 30,506,060 |
| 1931000 | 21,754,419 | 4,810,674 | $5,640,114$ | 32,205,207 |
| $1191932 \ldots 0$ | 18,131,911 | 4,894,436 | 4,995,065 | 28,021,412 |
| 1933 .0.0 | 18,844,213 | 4,060,272 | $7{ }_{8} 2888385$ | 30,192,870 |
| ! 1934 0.0 | 22,247,906 | 4,917,200 | 7,0278.786 | 34.192,892 |
| 1935 ...。 | 21.444,973 | 5,757,971 | $7,860,079$ | 35,063,023 |
| ! 19360000 | 19,735,561 | 6,185,698 | 9 9,026,384 | 34,947,643 |
| " 1937 .0.0 | 19,489, 080 | 6.957,891 | $7.688,205$ | 34,135,176 |
| " 1938000 | $20,847,100$ | $6,898,935$ | 4.034 ת 168 | 31,780,203 |
| \# 1939 .... | 21,020,070 | 6,009 ,278 | 5,324,085 | 32,343,433 |
| $1940 \ldots$ | 20,736,432 | $7,337,537$ | 10,491,089 | 38,615,058 |
| $1941 \ldots 0$ | 20,498,502 | $7,650,394$ | $14,541,870$ | 42,690,766 |
| 1942 |  |  |  |  |
| CANADA O....... | 27,531,272 | 8,878,249 | 13,869,734 | $50,279,255$ |
| Quebec ......... | 13,379,897 | 6.151 .517 | 8,447,180 | 27,978,594 |
| New Brunswick 0 | $14.151,375$ | 2.726 .732 | $5,422,554$ | 22,300,661 |
| 1943 |  |  |  |  |
| CANADA .0.... | 26,723,529 | 8,445,585 | 15,192,147 | 50,361,261 |
| Quebec......00: | 13,089,635 | 5,957,939 | 8,899,385 | 27,946,959 |
| Ontario and |  |  |  |  |
| New Brunswick .. | 13,633,894 | 2,487,646 | 6,292,762 | 22,414,302 |

ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA, 1943.
Table 6. - Size of Establishments, 1942 and 1943.

| Establishments <br> having a <br> production of - | Estab- <br> lish <br> ments | Capital <br> Invested | $\begin{gathered} \text { Em- } \\ \text { ployees } \end{gathered}$ | Salaries and Wages | Cost of Materials Used | Gross Value of Production |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1942 | No. | \$ | No. | \% | \$ | \$ |
| \$5,000 to under \$25,000. | 1) |  |  |  |  |  |
| \$25,000 to under \$50,000. | 1) | 254, 315 | 98 | 110,597 | 30,778 | 227, 573 |
| $\$ 50,000$ to under $\$ 100,000$ | 3) |  |  |  |  |  |
| \$100,000 to under |  |  |  |  |  |  |
| \$500,000 0.0.0. | 11 | 1,790,586 | 1.026 | 1,068,310 | 1,695,270 | 3,437,874 |
| \$500,000 to under |  |  |  |  |  |  |
| \$1, 0000000 , 0000000 | 8 | $7,885,845$ | 1,586 | 1,656,130 | 3,645,711 | 6,339,847 |
| \$1,000,000 and over | 9 | $40,348,509$ | 8,378 | 10,204,542 | 12,967,951 | 38,050,263 |
| TOTAL 00000000 | 33 | 50,279,255 | 11,088 | 13,039,579 | 18,339,710 | $48,055,557$ |


| \$25,000 to under $\$ 50,000$. | 3 | 116,280 | 49 | 60,794 | 52,979 | 123,976 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$50,000 to under $\$ 100,000$ | 3 | 142,740 | 76 | 98,879 | 37.949 | 218,870 |
| \$100,000 to under |  |  |  |  |  |  |
| \$500,000 | 9 | $1.725,387$ | 830 | 883,660 | 1,472,003 | 2,883,424 |
| \$ 500,000 to under |  |  |  |  |  |  |
| \$1,000,000 $\ldots$ | 9 | 4,299,051 | 1,521 | 1,747,530 | 3,431,260 | 6,993,960 |
| 81,000,000 to under |  |  |  |  |  |  |
| \$5, $000,000 \ldots$ | 6 | 13,866,881 | 2,585 | 3,232,882 | 7,880, 719 | 15,849,209 |
| $\$ 5,000,000$ and over. | 3 | 30,210,922 | 5,859 | 7,690,413 | 6,579,659 | 24,370,649 |
| TOTAL 000.0.0.0nponovo | 33 | 50,361,261 | 10,920 | 13,714,158 | 19,454,469 | 50,440,088 |

Table 7. - Employees, by sex and remmeration

|  | Salaried Emyl 0 yoos |  |  | Wage-earners(Monthly Averages) |  |  | Total Employees Salaries and Wages |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | $\begin{aligned} & \mathrm{Fe}- \\ & \mathrm{male} \end{aligned}$ | Total Salaries | Male | $\begin{aligned} & \mathrm{Fe}- \\ & \mathrm{male} \end{aligned}$ | Total Wages | Male | $\begin{aligned} & \mathrm{Fe}- \\ & \mathrm{male} \end{aligned}$ | Salaries and Wages |
| 1942 | No. | No. | \% | No. | No. | \% | No. | No. | $\zeta$ |
| CANADA .. | $64 ?$ | 417 | 2,513,821 | 5,976 | 4.053 | 10,525,758 | 6,618 | 4,470 | 13,039,579 |
| Quebec.... Ontario and | 452 | 276 | 1,767,928 | 4,310 | 2,473 | 6,860,891 | 4,762 | 2,749 | 8,628,819 |
| wiok | 190 | 141 | 745,893 | 1,666 | 1,580 | 3,664,867 | 1,856 | 1,721 | 4.410,760 |
| 1943 |  |  |  |  |  |  |  |  |  |
| CANADA | 661 | 436 | 2,666,842 | 5,600 | 4,223 | 11,047,316 | 6,261 | 4,659 | 13, 714, 158 |
| Quebec.... | 443 | 293 | 1,826,733 | 3,902 | 2,637 | 7,019,297 | 4,345 | 2,930 | 8,846,030 |
| Ontario and |  |  |  |  |  |  |  |  |  |
| Ne Brunswick .... | 218 | 143 | 840,109 | 1,698 | 1,586 | 4,028,019 | 1,916 | 1,729 | 4,868,128 |

## ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA, 1943.

Table 8。- Monthly Employment of Wage-earners, 1941, 1942 and 1943.

|  | 1941 |  |  | 1942 |  |  | 1943 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
|  | No. | No. | No. | No. | No. | No. | No. | No. | No. |
| January | 5,748 | 3. 050 | 8,798 | 6, 126 | 3,764 | 9,890 | 5,748 | 4,284 | 10,032 |
| February | $5{ }_{5} 855$ | 3,080 | 8,935 | 6,137 | 3,747 | 9,884 | 5,716 | 4,176 | 9,892 |
| March | 5,900 | 3,055 | 8,955 | 6,132 | 3,807 | 9,939 | 5,707 | 4,203 | 9,910 |
| April | 5,921 | 3,016 | 8,928 | 6,057 | 3,810 | 9,867 | 5,671 | 4,047 | 9,718 |
| May | 5,929 | 3.125 | 9,054 | 5,935 | 3,914 | 9,849 | 5,587 | 4,150 | 9,737 |
| June | 6,068 | 3,308 | 9,376 | 5,983 | 3,391 | 9,974 | 5,608 | 4,245 | 9,853 |
| July | 6.079 | 3,459 | 9,538 | 5.966 | 4,085 | 10,051 | 5,598 | 4,169 | 9,767 |
| August | 6,064 | 3,441 | 9,505 | 5,928 | 4.246 | 10,174 | 5,565 | 4,209 | 3,774 |
| September | 6,079 | 3,555 | 9,634 | 5,908 | 4,287 | 10,195 | 5,444 | 4,255 | 9,699 |
| Ootober ........... | 6,043 | 3,524 | 9,567 | 5,890 | 4,808 | 10,198 | 5,479 | 4,331 | 9,810 |
| November | 6,031 | 3,499 | 9,530 | 5,907 | 4.354 | 10,261 | 5,525 | 4,313 | 9,838 |
| Docember | 5,972 | 3,405 | 9,377 | 5,757 | 4,334 | 10,091 | 5,551 | 4,275 | 9,826 |
| MONTHLY AVERAGE | 5,975 | 3,292 | 9,267 | 5,976 | 4,053 | 10,029 | 5,600 | 4,223 | 9,823 |

Table 9. - Number of Nageaearners in Month of Highest Employment with their Hours of Work per week and Average Weekly Earnings, 1942 and 1943.

| Number of Hours <br> Worked per Week | 1942 |  | 1943 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Male | Female |
|  | No. | No. | No. | No. |
| 30 hours or less ........0.0.0.0.0.0.0. | 191 | 195 | 184 | 259 |
| 31 - 43 hours ............................0. | 466 | 999 | 522 | 871 |
| 44 hours ................0............0.0. | 111 | 204 | 204 | 256 |
| $45-47$ hours .0.0.000000000000000000000 | 347 | 452 | 394 | 600 |
| 48 hours | 893 | 603 | 869 | 616 |
| 49 - 50 hours ............................ | 1,651 | 1,334 | 1,423 | 1,128 |
| 51-54 hours ......0.0.000.000000000000 | 645 | 308 | 542 | 318 |
| 55 hours ... | 412 | 422 | 422 | 476 |
| $56-64$ hours | 1,022 | 102 | 1,005 | 86 |
| 65 hours and over | 333 | - | 284 | - |
| Average hours per reek ............... | 50.8 | 45.9 | 50.4 | 45.8 |
| Average weekly earnings .............. | \$25.75 | \$15.44 | \$26.42 | \$15.25 |

ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA, 1943.
Table 10. - Power Equipment, 1942 and 1943

| Classes of Power | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { Units } \end{aligned}$ | Manufacturers Rating of Horsepower Capacity | Number <br> of <br> Units | Manufacturers Rating of Horsepower Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Steam engines and steam turbines . |  |  |  |  |
| In use .n.... | 22 | 5,580 | 20 | 5.580 |
| Idle ....... | 1 | 350 |  | 350 |
| Diesel engines .....................0 | 1 | 800 | 1 | 800 |
| Gasoline, gas and oil engines |  |  |  |  |
| Idle ....... | 3 | 260 | 5 | 273 |
| Hydraulic turbines or water wheels - |  |  |  |  |
| In use $\ldots$ 。 | 4 | 3,500 | 4 | 3,500 |
| Idle | 3 | 1,000 | 3 | 1,000 |
| Electrio motors operated by |  |  |  |  |
| purchased power a In use ...... $\text { Idle } \ldots .$ | $\begin{array}{r} 25,172 \\ 3,027 \end{array}$ | 25,473 862 | $\begin{array}{r} 21,699 \\ 3,911 \end{array}$ | $\begin{array}{r} 25,608 \\ 968 \end{array}$ |
| TOTAL POWER AVAILABLE FOR |  |  |  |  |
| Electric motors operated by power generated in the estab- <br> lishment $\quad$ In use $1,903 \quad 9,252 \quad 1,698 \quad 8,144$ |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Idle | - |  | 165 | 480 |
| Total Electric Motors ...u. | 30,102 | 35.587 | 27,473 | 35,200 |
| Boiler installation - In use | 43 | 12.018 | 37 | 11,451 |
|  | 3 | 1,360 | 4 | 1,385 |

Table 11. - Consumption of Fuel and Electricity, 1942 and 1943.


[^0]
## ARTIPICIAL AND REAL SILK INDUSTRY IN CANADA, 1943.

Table 12。- Mechanical Equipment, 1942 and 1943.

|  | $1942$ <br> Number | $1943$ <br> Number |
| :---: | :---: | :---: |
| Spindes - |  |  |
| Throwing ene................................ | 96, 858 | 87, 2.6 |
| Winding | 32,863 | 36,480 |
| Doubling and twisting .............. | 52,588 | 49,694 |
| Spinning .................................. | 146,495 | 165,336 |
|  | 10,994 | 13,424 |
|  | 368 | 2,732 |
| Cone winding ....0.00000000000000000. | 8,077 | 7.765 |
| Quill winding ...........0................. | 6,310 | 10,556 |
|  | , | 8,037 |
|  | 139 | 143 |
| Slashers .............0.0.0.0.0.000000000000 | 31 | 34 |
| Looms - 40 inches and under .................... | 94 | 18 |
| 41 - 48 inches ............................. | 736 | 1,044 |
|  | 2,915 | $2,971$ |
| 57 inches and over | 1.127 | 1,157 |
| Velvet | 44 | 44 |
| Other ............onno.....o.. | 338 | - |
| Jacquard machines in place on the above looms ... | 177 | 164 |
| Dobbies in place on the above looms ............. | 3,387 | 3,627 |
| Knitting machines .............0.0.0.0.0.0.0.0. | 165 | 164 |
| Braiding machines .............................. | - | 2 |

Trarowh ene......................................
Doubling and twisting
Re-drawing
Reeling3688,0776,3101393136- 48 inahes ...................................2.915
2,971
Velvet ..... 44
Other1773,627164
Braiding machines ..... $=$ ..... 2

## ARTIFICIAL AND REAL SILK INDUSTRY IN CANADA， 1943.

Firms Engaged in Manufacture of Artificial and Real Silk in Canada， 1943
NEW BRUNSWICK

Canadian Cottons Limited

符 Vale Silk Mills Ltd。
Laurentian Silk Mills Ltd。
Associated Textile of Canada Ltd．，－
Eestern Division
Bruck Silk Mills，Ltd。
Canadian Celanese Ltd．
Louis Roessel \＆Co，Ltd．
British American Silk Mills Ltd．
Carl Stohn of Canada，Ltd．
Iberville Drapery Mills Ltd．
Assooiated Textiles of Canada Ltd．
L \＆L Textiles Ltd．
M．E．Binz Co．Ltd．
＂Aux Tissages Francais＂Ltee。
Dominion Thread Mills
Dionne Spinning Mills Co．
Canadian Silk Textiles Reg＇d．
Consolidated Textiles Ltd．
Duplex Textiles Ltd． Belding－Corticelli Ltd．
J。B。Martin Co。Ltd。
Dominion Spinners Ltd。 Sutton Silk Mills Ltd。 Valleyfield Silk Mills Ltd。

Milltown，N。B。
QUEBEC
Acton Vale，Que．
Cap de la Madeleine，Que．
Water St．，Coaticook，Que．
Cowansille，Que．
Drummondville，Que．
628 Heriot St．，Drumondville，Que．
Granby，Que．
St．Charles \＆Racine Sts．，Granby， Quebeo．
61 －4th Ave．Iberville，Que．
Louisville，Que．
Magog，Que．
Montmagny，Que．
445 St ．Helen St．，Montreal，Que．
52 Nazareth St．Montreal，Que．
St．George West，Que．
St．Hyacinthe，Que．
St．Hyacinthe，Que．
St．Hyacinthe，que．
St．Johns，Que．
445 St．James Sto．St．Johns，Que． 130 Gregoire St．，St．Johns，Que． Sutton，Que．
Valleyfield，Que．

## ONTARIO

Slingsby Manufacturing Co．Ltd。
Courtaulds（Canada）Ltd．
Newlands \＆Con Ltd．
Canadian Industries Ltd。
Riverside Silk Mills Ltd。
Fine Silk Mills Ltd。
Dumo Textile Co．Ltd．
Dominion Silk Mills Ltd。
Grout＇s Ltd．
Grand River Ave．，Brantford，Ont．
Cornwall，Ont．
Ainslie St．So，Galt，Ont．
Kingston，Ont．
Melville St．，Galt，Ont．
Midland，Ont．
Picton，Ont．
2 Mark St．，Toronto 2，Ont．
Helland Ave．，St．Catharines，Ont．


[^0]:    + Gasoline used includes that used in cars and truoks.

