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CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

Historical File Copy

REPORT

on the

COTTON & JUTE BAG INDUSTRY

in

CANADA

1930

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Published by Authority of the Hon. H. H. Stevens, M.P.,

Minister of Trade and Commerce

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OTTAWA

1932

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
OTTAWA, CANADA.

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
Acting Chief, Census of Industry: A. Cohen, B.Com.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA IN 1930.

Ottawa, December 1931. A report on the cotton and jute bag industry in Canada is herewith presented for the year 1930. Establishments whose principal products were cotton and jute bags numbered 23, located by provinces as follows: Ontario 10, Quebec 6, Manitoba 6 and British Columbia 1. These plants represented a capital investment of \$5,631,776, they furnished employment to 965 persons who received \$975,688 in salaries and wages and manufactured goods valued at \$9,879,462.

This industry in 1930 experienced a marked decrease in operation. Compared with the previous year there was a drop of \$1,006,983 or 15.2 per cent in the capital invested, a decrease of 92 or 8.7 per cent in the number of persons employed as well as a decrease of \$2,734,443 or 21.7 per cent in the value of production. The output of jute bags, the most important item of production, dropped from 58,124,881 bags valued at \$7,564,299 in 1929 to 54,513,689 bags valued at \$5,895,298 in 1930. The output of cotton bags also declined from 51,285,118 bags valued at \$4,664,041 in 1929 to 47,996,309 bags valued at \$3,715,102 in 1930.

Detailed statistics in production, employment, capital invested, materials used and imports and exports are given in the tables following.

Table 1. Principal Statistics of the Cotton and Jute Bag Industry, 1926 to 1930.

| | Estab- lish- ments | Capital | Total Employ- ees | Total Salaries and Wages | Cost of Materials | Value of Products |
|----------------------------|--------------------------|-----------|-------------------------|--------------------------------|----------------------|----------------------|
| | No. | \$ | No. | \$ | \$ | \$ |
| <u>1926</u> Canada | 14 | 5,565,514 | 978 | 930,779 | 12,277,373 | 14,072,099 |
| Quebec | 3 | 1,805,105 | 302 | 267,955 | 3,732,097 | 4,212,035 |
| Ontario | 6 | 1,424,951 | 325 | 297,689 | 3,450,112 | 3,934,494 |
| Manitoba & Br. Columbia | 5 | 2,335,458 | 351 | 365,135 | 5,095,164 | 5,925,570 |
| <u>1927</u> Canada | 17 | 6,746,733 | 1,037 | 952,080 | 10,906,830 | 12,932,779 |
| Quebec | 5 | 2,498,502 | 371 | 293,177 | 3,500,231 | 4,049,916 |
| Ontario | 7 | 1,690,066 | 341 | 296,233 | 2,987,782 | 3,527,719 |
| Manitoba & Br. Columbia | 5 | 2,558,165 | 325 | 362,670 | 4,418,817 | 5,355,144 |
| <u>1928</u> Canada | 19 | 6,684,706 | 1,065 | 999,633 | 12,494,239 | 14,283,396 |
| Quebec | 5 | 2,424,053 | 362 | 306,050 | 3,888,162 | 4,378,247 |
| Ontario | 8 | 1,652,543 | 379 | 329,142 | 3,461,717 | 3,998,644 |
| Manitoba & Br. Columbia | 6 | 2,608,110 | 324 | 364,441 | 5,144,360 | 5,906,505 |
| <u>1929</u> Canada | 20 | 6,638,759 | 1,057 | 1,020,965 | 10,416,580 | 12,613,905 |
| Quebec | 4 | 2,339,275 | 314 | 292,067 | 2,848,015 | 3,520,392 |
| Ontario | 9 | 1,682,276 | 410 | 340,571 | 3,012,709 | 3,665,838 |
| Manitoba & Br. Columbia | 7 | 2,617,208 | 333 | 388,327 | 4,555,856 | 5,427,675 |
| <u>1930</u> Canada | 23 | 5,631,776 | 965 | 975,688 | 7,587,868 | 9,879,462 |
| Quebec | 6 | 2,107,546 | 323 | 309,575 | 2,428,322 | 3,168,416 |
| Ontario | 10 | 1,408,768 | 347 | 321,676 | 2,101,137 | 2,872,099 |
| Manitoba & Br. Columbia | 7 | 2,115,462 | 295 | 344,437 | 3,058,409 | 3,838,947 |

RECEIPT
FOR
CASH
PAID

No. _____
Date _____

Received of _____
the sum of _____
for _____
this _____ day of _____
19____

| No. | Particulars | Amount | Total |
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| 99 | _____ | _____ | _____ |
| 100 | _____ | _____ | _____ |

THE COTTON AND JUTE BAG INDUSTRY IN CANADA

Size of Establishments

In view of the tendency towards concentration in industrial enterprises a series of tables has been prepared presenting in a threefold way the size of establishments in the cotton and jute bag industry measured by (a) capital investment, (b) gross value of production and (c) employment. The tables compared for a number of years further indicate the movement in capital, production and employment within the industry.

Average capital investment decreased from \$331,938 per plant in 1929 to \$244,860 in 1930.

In gross value of products the average production per factory shows a decrease from \$630,695 in 1929 to \$429,972 in 1930.

In employment the total number of persons entered on the payroll fell from 1,057 in 1929 to 965 in 1930 and the average per plant fell from 52.85 in 1929 to 42.00 in 1930.

| Establishments having a capital investment of | 1929 | | | 1930 | | |
|--|------------------|---------------------------------|--|------------------|---------------------------------|--|
| | Estab-lish-ments | Total Capital | Average capital per estab-lishment | Estab-lish-ments | Total Capital | Average capital per estab-lishment |
| | No. | \$ | \$ | No. | \$ | \$ |
| Under \$50,000 | 9 | 149,150 | 16,572 | 12 | 234,183 | 19,515 |
| \$50,000 to under \$100,000 | - | - | - | - | - | - |
| \$100,000 to under \$200,000 | - | - | - | - | - | - |
| \$200,000 to under \$500,000 | 5 | 2,342,226 | 468,445 | 7 | 2,777,676 | 396,811 |
| \$500,000 to under \$1,000,000 | 5 | 3,051,666 | 610,333 | 3 | 1,605,025 | 535,008 |
| \$1,000,000 and over | 1 | 1,095,717 | 1,095,717 | 1 | 1,014,892 | 1,014,892 |
| Total | 20 | 6,638,759 | 331,938 | 23 | 5,631,776 | 244,860 |
| Establishments having a gross value of production of | Estab-lish-ments | Total Gross Value of Production | Average gross value per estab-lishment | Estab-lish-ments | Total Gross Value of Production | Average gross value per estab-lishment |
| | No. | \$ | \$ | No. | \$ | \$ |
| | No. | \$ | \$ | No. | \$ | \$ |
| Under \$50,000 | 6 | 108,205 | 18,034 | 8 | 140,059 | 17,507 |
| \$50,000 to under \$100,000 | 3 | 213,388 | 71,129 | 4 | 271,549 | 67,887 |
| \$100,000 to under \$200,000 | - | - | - | - | - | - |
| \$200,000 to under \$500,000 | - | - | - | - | - | - |
| \$500,000 to under \$1,000,000 | 4 | 3,379,825 | 844,956 | 8 | 6,121,583 | 765,198 |
| \$1,000,000 and over | 7 | 8,912,487 | 1,273,212 | 3 | 3,346,271 | 1,115,423 |
| Total | 20 | 12,613,905 | 630,695 | 23 | 9,879,462 | 429,972 |
| Establishments employing | Estab-lish-ments | Total Employees | Average employees per estab-lishment | Estab-lish-ments | Total Employees | Average employees per estab-lishment |
| | No. | No. | No. | No. | No. | No. |
| | No. | No. | No. | No. | No. | No. |
| Less than 20 persons | 8 | 50 | 6.25 | 11 | 72 | 6.55 |
| 20 but under 50 | 1 | 49 | 49.00 | 2 | 76 | 38.00 |
| 50 but under 100 | 7 | 470 | 67.14 | 8 | 586 | 73.25 |
| 100 but under 200 | 4 | 488 | 122.00 | 2 | 231 | 115.50 |
| 200 but under 500 | - | - | - | - | - | - |
| 500 and over | - | - | - | - | - | - |
| Total | 20 | 1,057 | 52.85 | 23 | 965 | 42.00 |

COMMITTEE ON EDUCATION AND CULTURE

REPORT

IN RESPONSE TO RESOLUTION PASSED BY THE SENATE

AT ITS REGULAR SESSION, FEBRUARY 1, 1907

AT THE CITY OF PHOENIX, ARIZONA

1907

PRINTED BY THE TERRITORIAL PRESS

AT THE CITY OF PHOENIX, ARIZONA

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AT THE CITY OF PHOENIX, ARIZONA

THE COTTON AND JUTE BAG INDUSTRY IN CANADA

Production

The production of cotton and jute bags is shown in table 2 for the calendar years 1929 and 1930 by quantity and selling value at the factory or works. The number of bags made from cotton and jute decreased from 109,409,999 in 1929 to 102,509,998 in 1930. The quantity of bags made from jute represents approximately 53.2 per cent of the total production. The total value of all production fell from \$12,613,905 in 1929 to \$7,587,868 in 1930 a net decrease of \$5,026,037 or 39.8 per cent.

Table 2. Production in the Cotton and Jute Bag Industry,
1929 - 1930.

| Classes of Products | | 1929 | | 1930 | |
|---------------------|-----|------------|------------|------------|-----------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Jute bags | No. | 58,124,881 | 7,564,299 | 54,513,689 | 5,895,298 |
| Cotton bags | " | 51,285,118 | 4,664,041 | 47,996,309 | 3,715,102 |
| Individual tea bags | " | 15,770,000 | 89,988 | - | 64,218 |
| Bags repaired | " | 1,413,250 | 128,076 | - | 185,156 |
| All other products | - | - | 167,501 | - | 19,688 |
| Total | - | - | 12,613,905 | - | 9,879,462 |

NOTE:- Data here given do not necessarily represent the total Canadian production of these commodities, since they are also produced in other industries.

Materials Used.

The quantity and value of the principal materials used in the industry is shown in table 3 for the calendar year 1930. The total cost of all materials used decreased from \$10,416,580 in 1929 to \$7,587,868 in 1930, a decrease of \$2,828,712 or 27.2 per cent during the two year period.

Table 3. Cost of materials used in the cotton and jute bag industry, 1930.

| Principal Materials used | | Quantity | Cost Value \$ |
|--------------------------------|--------|------------|------------------|
| Jute cloth | yards | 69,434,859 | 4,293,386 |
| Cotton cloth | " | 33,274,852 | 2,901,591 |
| Cotton gauze | " | 86,032 | 6,022 |
| Burlap | pound | 135,172 | 2,748 |
| Second hand bags | number | 1,735,053 | 136,811 |
| Cotton sewing twine and thread | pounds | 441,012 | 151,598 |
| Printing ink | " | 274,178 | 88,491 |
| All other materials | - | - | 7,221 |
| Total | - | - | 7,587,868 |

THE COTTON AND JUTE BAG INDUSTRY IN CANADA

Capital Investment

Table 4 presents statistics of capital investment under two heads - fixed capital and working capital - for the calendar years 1929 and 1930. Statistics relating to British Columbia have been combined with those of Manitoba to prevent disclosure of individual statistics. The total capital fell from \$6,638,759 in 1929 to \$5,631,776 in 1930, a net decrease of \$1,006,983. It will be noted that the largest decrease took place in the materials on hand, stocks in process etc. which fell from \$1,976,050 in 1929 to \$1,435,591 in 1930, a decrease of \$540,459 for the period covered by this report.

Table 4. Capital Investment by Provinces, 1929 and 1930.

| Capital invested by provinces | Fixed Capital | Working Capital | | Total Capital |
|----------------------------------|--|--|--|------------------|
| | Land, buildings, machinery and tools | Materials and stocks on hand, finished products and misc. supplies | Cash, trading and operating accounts etc. | |
| | \$ | \$ | \$ | \$ |
| <u>1929</u> | | | | |
| Canada | 2,925,922 | 1,976,050 | 1,736,787 | 6,638,759 |
| Ontario | 770,502 | 592,546 | 219,228 | 1,682,276 |
| Quebec | 1,159,131 | 522,891 | 657,253 | 2,339,275 |
| Manitoba and British Columbia | 996,289 | 760,613 | 860,306 | 2,617,208 |
| <u>1930</u> | | | | |
| Canada | 2,918,915 | 1,435,591 | 1,277,270 | 5,631,776 |
| Ontario | 773,462 | 417,325 | 217,981 | 1,408,768 |
| Quebec | 1,155,038 | 386,997 | 565,511 | 2,107,546 |
| Manitoba and British Columbia | 990,415 | 631,269 | 493,778 | 2,115,462 |

Employment Statistics

Statistics of employment are presented in the following series of tables. Table 5 shows the number employed during the year by sex and remuneration by provinces, table 6 the number of wage-earners by months according to sex with totals and averages.

The number of salaried employees during the two-year period decreased by 7 and the amount paid in salaries by \$2,514, the number of wage-earners decreased by 85 and the amount paid in wages by \$42,763. The average annual salary irrespective of sex rose from \$2,617 in 1929 to \$2,755 in 1930, or a per cent increase of 5.31 while the average wage per employee during the period increased from \$750 in 1929 to \$775 in 1930 or over 3 per cent.

Table 5. Employees by number, sex and remuneration by provinces, 1929 and 1930.

| | Salaried Employees | | | Wage-earners | | | Total Employees | | |
|----------------------------------|--------------------|---------|----------|--------------|---------|---------|-----------------|---------|--------------------|
| | Males | Females | Salaries | Males | Females | Wages | Males | Females | Salaries and wages |
| | No. | No. | \$ | No. | No. | \$ | No. | No. | \$ |
| <u>1929</u> | | | | | | | | | |
| Canada | 91 | 31 | 319,301 | 297 | 638 | 701,664 | 388 | 669 | 1,020,965 |
| Quebec | 34 | 12 | 109,612 | 90 | 178 | 182,455 | 124 | 190 | 292,067 |
| Ontario | 31 | 11 | 97,622 | 115 | 253 | 242,949 | 146 | 264 | 340,571 |
| Manitoba and British Columbia | 26 | 8 | 112,067 | 92 | 207 | 276,260 | 118 | 215 | 388,327 |
| <u>1930</u> | | | | | | | | | |
| Canada | 82 | 33 | 316,787 | 290 | 560 | 658,901 | 372 | 593 | 975,688 |
| Quebec | 26 | 14 | 114,590 | 95 | 188 | 194,985 | 121 | 202 | 309,575 |
| Ontario | 30 | 11 | 91,993 | 107 | 199 | 229,683 | 137 | 210 | 321,676 |
| Manitoba and British Columbia | 26 | 8 | 110,204 | 88 | 173 | 234,233 | 114 | 181 | 344,437 |

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THE COTTON AND JUTE BAG INDUSTRY IN CANADA

Employment Statistics Con.

Wage-earners by months - Table 6 shows the number of persons employed by sex for each month of the years 1929 and 1930. The month of maximum employment in 1929 was October with 977 employees, whilst that of minimum employment was July with 903. In 1930 the month of maximum employment was September with a total of 904 employees and the month of minimum employment was April with a total of 794 employees. The average monthly employment of males and females shows a decrease in the number of females of 7 and in the number of males of 7.

Table 6. Employment of wage-earners by months and sex.

| Months | 1929 | | 1930 | |
|-------------------|-------------|---------------|-------------|---------------|
| | Male No. | Female No. | Male No. | Female No. |
| January | 305 | 629 | 290 | 564 |
| February | 301 | 630 | 292 | 546 |
| March | 302 | 640 | 288 | 536 |
| April | 301 | 645 | 276 | 518 |
| May | 288 | 631 | 281 | 533 |
| June | 295 | 607 | 276 | 533 |
| July | 290 | 613 | 279 | 547 |
| August | 291 | 640 | 294 | 573 |
| September | 292 | 663 | 299 | 605 |
| October | 296 | 681 | 299 | 604 |
| November | 300 | 658 | 302 | 592 |
| December | 288 | 608 | 292 | 561 |
| Total by months | 3,549 | 7,645 | 3,468 | 6,712 |
| Average by months | 297 | 638 | 290 | 560 |

Fuel Consumption

The quantity and the cost value delivered at the factory of the various classes of fuel used and of electricity purchased is shown in table 7. The cost of electricity purchased for all purposes rose from \$14,984 in 1929 to \$15,192 in 1930.

Table 7. Cost of fuel and electricity, 1930.

| Kinds of fuel | Unit of measure | Quantity | Cost Value \$ |
|-----------------------|--------------------|----------|------------------|
| Bituminous coal | ton | 2,635 | 18,846 |
| Anthracite coal | " | 173 | 1,809 |
| Coke | " | 34 | 385 |
| Fuel oils | gal. | 15,045 | 663 |
| Other fuel | - | - | 1,217 |
| Electricity purchased | - | - | 15,192 |
| Total Cost | - | - | 38,112 |

Power Installation

Power installed in the cotton and jute bag industry is shown in table 8 for the calendar year 1930 by (a) classes of power, (b) number of units in each class and (c) the horsepower according to manufacturer's rating. Power developed for manufacturing rose from 212 units with 1,178 horsepower in 1929 to 226 units with 1,183 horsepower in 1930, an increase of 14 units and 5 horsepower during the two year period.

Table 8. Power installation, 1930.

| Classes of power | Number of units | Total H.P. according to manufacturers' rating |
|--|--------------------|--|
| Steam engines and turbines | 1 | 40 |
| Electric motors operated by purchased power | 225 | 1,143 |
| Total power for manufacturing | 226 | 1,183 |
| Electric motors operated by power generated by the establishments reporting | 56 | 139 |
| Total electric motor installation | 281 | 1,282 |
| Boiler installation | 11 | 644 |

- 5 -

THE COTTON AND JUTE BAG INDUSTRY IN CANADA

Imports and Exports

Tables 9 and 10 give the imports and exports of cotton and jute bags by countries and values for the calendar year 1930. The total value of bags of all kinds imported into Canada fell from \$473,694 in 1929 to \$339,370 in 1930, a decrease of \$134,324. The exports also fell from \$130,278 to \$60,645, a decrease of \$69,633 during the same period.

Table 9. Imports for consumption of cotton and jute bags for the calendar year, 1930

| Articles imported by countries | Value |
|---|---------|
| | \$ |
| Bags, seamless, cotton - | |
| United Kingdom | 431 |
| United States | 12,279 |
| Other Countries | 1,761 |
| Total | 14,471 |
| Bags, made by use of the needle, n.o.p. - | |
| United Kingdom | 165 |
| United States | 56,881 |
| Other Countries | 17,783 |
| Total | 74,829 |
| Bags or sacks of hemp, linen - | |
| United Kingdom | 6,893 |
| United States | 181,710 |
| British India | 60,403 |
| Other Countries | 1,064 |
| Total | 250,070 |
| Grand total value of imports | 339,370 |

Table 10. Exports of Canadian produce for the calendar year 1930.

| Articles exported by countries | Value |
|--------------------------------|--------|
| | \$ |
| Bags of Cotton, Jute, etc. - | |
| United Kingdom | 21,019 |
| United States | 2,438 |
| Italy | 5,372 |
| St. Pierre and Miquelon | 10,068 |
| Other Countries | 21,748 |
| Total | 60,645 |

RESEARCH REPORT

The following report was prepared by the author for the purpose of presenting the results of his research in the field of the history of the United States. The report is based on a study of the original sources and is intended to provide a comprehensive and accurate account of the subject.

The author wishes to express his appreciation to the following persons for their assistance and advice during the preparation of this report:

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

Dr. [Name] of the [Department] of the University of Chicago, who has been most helpful in many ways.

THE COTTON AND JUTE BAG INDUSTRY IN CANADA

APPENDIX

Cotton and Jute Bag Manufacturers, 1930.

| <u>Name</u> | <u>Address</u> | |
|----------------------------------|-----------------------|--------------|
| <u>QUEBEC</u> | | |
| Apex Bag & Bagging Co. Ltd. | 2440 Mullins St. | Montreal |
| James Brodie | 231 Young St. | Montreal |
| The Canadian Bag Co. Ltd. | 2485 St. Patrick St. | Montreal |
| H. Fraid | 2814 St. Patrick St. | Montreal |
| Woods Mfg. Co. Ltd. | 2660 Mullins St. | Montreal |
| Thomas Bonar & Co. (Canada) Ltd. | 606 De Courcelles St. | Montreal |
| <u>ONTARIO</u> | | |
| The Canadian Bag Co. Ltd. | 100 Paton Road | Toronto 9 |
| Dominion Bag Co. | 80 Murray St. W. | Hamilton |
| Jacob Krasnow | 145 Elizabeth St. | Toronto 2 |
| Mock Bros. and Ayre Co. | 4 Berti St. | Toronto 2 |
| Woods Mfg. Co. Ltd. | 401 Logan Avenue | Toronto 8 |
| Ontario Bag Co. | | Pt. Colborne |
| Walkerville Bag Mfg. Co. Ltd. | | Walkerville |
| Individual Tea Bag Co. Ltd. | 111 King St. E. | Toronto |
| Standard Bag and Burlap Co. | 183 Catherine St. W. | Hamilton |
| London Bag Mfg. Co. | 88 Maitland St. | London |
| <u>MANITOBA</u> | | |
| Bemis Bros. Bag Co. | 311 Alexander Ave. | Winnipeg |
| The Canadian Bag Co. Ltd. | 831 Henry Ave. | Winnipeg |
| Sunset Mfg. Co. Ltd. | 655 Logan Ave. | Winnipeg |
| Woods Mfg. Co. Ltd. | 146 Alexander Ave. | Winnipeg |
| Joseph Litman | 465 Dufferin Ave. | Winnipeg |
| Manitoba Bag and Burlap Co. | 391 Stella Ave. | Winnipeg |
| <u>BRITISH COLUMBIA</u> | | |
| Canadian Bag Co. Ltd. | 900 Parker St. | Vancouver |

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