

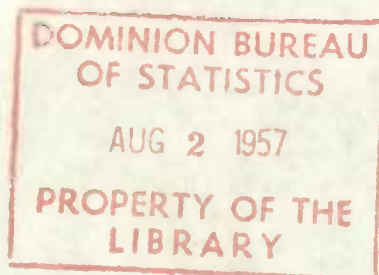
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CANADA

THE CORDAGE ROPE AND TWINE INDUSTRY

1956



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries, \$1.50
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
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- III — Foods and Beverages
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The present report belongs in Part VII, Textile Mills. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review, 25¢
- B — The Cotton Textile Industries, 25¢
- C — The Wool Textile Industries, 25¢
- D — The Synthetic Textiles and Silk Industry, 25¢
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- F — The Dyeing and Finishing of Textile Goods Industry, 25¢
- G — The Awning, Tent and Sail Industry, 25¢
- H — The Cordage, Rope and Twine Industry, 25¢
- I — The Cotton and Jute Bag Industry, 25¢
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THE CORDAGE ROPE AND TWINE INDUSTRY

1956

In 1956 the cordage, rope and twine industry achieved a considerable increase in factory shipments over the previous year. Total value of goods shipped amounted to \$17,155,868, \$1,584,312 or 10.2 per cent above the preceding year's \$15,571,556. Binder twine was the only important commodity to show a reduction. Baler twine, rope and other twine shipments were all higher in terms of both volume and value.

Shipments of binder twine were down to 21,947,474 pounds valued at \$3,438,189 from 27,349,550 pounds worth \$3,572,944 in 1955. Baler twine, on the other hand, showed an important increase from 30,692,920 pounds worth \$3,829,147 in 1955 to 39,261,720 pounds worth \$5,305,374 in 1956. Rope was shipped to the extent of 12,159,134 pounds with a selling value of \$4,446,287 as against 11,831,462 pounds valued at \$4,114,124 in 1955. Twine shipments rose to 7,766,853 pounds worth \$2,441,505 from 7,476,677 pounds worth \$2,256,899 a year earlier.

Allowing for a negligible \$19,851 reduction in the total of goods in process and finished goods inventory during the year places the value of production for 1956 at \$17,136,017. This amount compares with the preceding year's figure of \$15,564,143 and represents an increase of 10 per cent. According to an index¹ prepared by the Bureau from data obtained by this annual survey, the volume of output for the industry was up only 6 per cent over the previous year. The disparity between the volume index and value index reflects the generally higher level of prices obtaining for the industry's products in the year under review. According to information

1. Based on 1949 equals 100, the Bureau's volume of production index for the cordage, rope and twine industry is as follows: 1950-104.5; 1951-143.8; 1952-136.3; 1953-83.4; 1954-97.0; 1955-116.0; 1956-122.9.

compiled by the Prices Section of D.B.S. the average monthly wholesale price of binder twine rose from \$18,539 per cwt. in 1955 to \$20,517 per cwt. in 1956 and of baler twine from \$7,673 to \$7,933 per 40 lb. bale over the two years. The price of rope was also higher in 1956.

The expanded production was accomplished with 35 less employees, 1,156 as against 1,191 a year earlier. Salaries and wages, however, were slightly ahead having advanced to \$3,812,114 from \$3,735,936. The cost of materials consumed in manufacture rose from \$8,089,835 in 1955 to \$9,024,435 in 1956.

The industry was comprised of 15 establishments in 1956, two less than the year before. They were located provincially as follows: Newfoundland 1, Nova Scotia 1, Quebec 3, Ontario 7, and British Columbia 3. Ontario dominated the industry, accounting for 77 per cent of both its factory shipments and employment.

Hard fibres such as Manila hemp, African sisal, Mexican sisal, etc. constitute the principal materials used by the industry. The quantity consumed in 1956 was valued at \$6,633,974 or 74 per cent of the total cost of materials used.

Beginning with 1954 information on the value of year-end inventory holdings at plant and plant warehouses has been collected as part of the Annual Census of Industry. This data was formerly collected by a separate survey. The summarized results for the cordage, rope and twine industry for the year under review will be found in Table 3.

Full details of factory shipments and materials consumed are to be found in Tables 4 and 6 of this report.

TABLE 1. Principal Statistics, Representative Years, 1924-1956

| Year and province | Establishments | Employees | Salaries and wages | Cost at factory of fuel and electricity | Cost at factory of materials and supplies used | Value added by manufacture | Gross value of production ² |
|------------------------------------|----------------|-----------|--------------------|---|--|----------------------------|--|
| | No. | No. | \$ | \$ | \$ | \$ | \$ |
| 1924..... | 9 | 1,359 | 1,486,702 | 123,415 | 5,096,892 | 3,656,479 | 8,876,786 |
| 1929..... | 13 | 1,368 | 1,518,280 | 122,245 | 7,798,893 | 3,877,023 | 11,798,165 |
| 1930..... | 13 | 1,058 | 1,182,568 | 108,798 | 6,059,887 | 2,382,664 | 8,551,349 |
| 1933..... | 11 | 1,015 | 1,027,460 | 103,453 | 2,461,395 | 2,175,764 | 4,740,612 |
| 1937..... | 10 | 1,030 | 1,132,435 | 106,246 | 3,907,340 | 2,565,381 | 6,578,967 |
| 1939..... | 10 | 978 | 1,055,702 | 101,436 | 2,710,778 | 2,153,869 | 4,966,074 |
| 1940..... | 11 | 1,285 | 1,533,026 | 129,940 | 4,903,793 | 4,159,212 | 9,192,945 |
| 1941..... | 11 | 1,346 | 1,668,462 | 141,875 | 5,684,207 | 5,069,912 | 10,895,994 |
| 1942..... | 11 | 1,590 | 2,243,872 | 158,069 | 8,350,266 | 5,249,890 | 13,758,225 |
| 1943..... | 11 | 1,531 | 2,279,703 | 153,053 | 8,197,636 | 4,300,242 | 12,650,931 |
| 1944..... | 10 | 1,741 | 2,637,162 | 159,897 | 10,594,964 | 5,422,835 | 16,177,696 |
| 1945..... | 10 | 1,678 | 2,477,765 | 164,878 | 8,814,693 | 5,440,375 | 14,419,946 |
| 1946..... | 10 | 1,740 | 2,669,236 | 170,710 | 8,058,127 | 5,641,043 | 13,869,880 |
| 1947..... | 10 | 1,607 | 2,837,339 | 176,154 | 11,053,378 | 6,999,873 | 18,229,405 |
| 1948..... | 10 | 1,470 | 2,999,745 | 167,114 | 11,575,748 | 6,253,058 | 17,995,920 |
| 1949..... | 10 | 1,302 | 2,805,837 | 186,041 | 10,732,750 | 5,999,147 | 16,917,938 |
| 1950..... | 10 | 1,370 | 3,030,188 | 198,775 | 10,989,236 | 6,271,560 | 17,459,571 |
| 1951..... | 11 | 1,774 | 4,576,300 | 216,893 | 19,736,188 | 9,756,163 | 29,709,244 |
| 1952..... | 11 | 1,720 | 4,930,896 | 189,836 | 21,655,091 | 6,996,413 ³ | 28,841,340 |
| 1953..... | 14 | 1,188 | 3,570,086 | 205,596 | 7,336,124 | 10,324,294 ³ | 17,866,014 |
| 1954..... | 16 | 1,198 | 3,701,430 | 203,673 | 7,901,107 | 6,626,696 | 15,045,023 |
| 1955 | | | | | | | |
| Canada..... | 17 | 1,191 | 3,735,936 | 204,560 | 8,089,835 | 7,269,748 | 15,571,556 |
| Quebec..... | 5 | 41 | 79,643 | 6,338 | 175,696 | 104,915 | 285,549 |
| Ontario..... | 7 | 901 | 2,842,421 | 137,989 | 6,397,649 | 5,582,274 | 11,990,379 |
| Other provinces ¹ | 5 | 249 | 813,872 | 60,233 | 1,516,490 | 1,582,559 | 3,295,628 |
| 1956 | | | | | | | |
| Canada..... | 15 | 1,156 | 3,812,114 | 176,773 | 9,024,435 | 7,934,809 | 17,155,868 |
| Quebec..... | 3 | 14 | 38,226 | 1,760 | 118,818 | 83,029 | 198,627 |
| Ontario..... | 7 | 885 | 2,904,953 | 119,258 | 7,145,717 | 5,955,121 | 13,295,027 |
| Other provinces ¹ | 5 | 257 | 868,935 | 55,755 | 1,759,900 | 1,896,659 | 3,662,214 |

1. Includes one establishment in Newfoundland, one in Nova Scotia and three in British Columbia.

2. Beginning with 1952 the value of factory shipments has been collected instead of the gross value of production.

3. Because of insufficient inventory data in 1952 and 1953, these figures have been calculated from value of factory shipments and are, therefore, only approximations to true "value added by manufacture"

TABLE 2. Comparison of Principal Statistics, 1955 and 1956

| Item | 1955 | 1956 | + Increase - Decrease |
|--------------------------------------|------------|------------|--------------------------|
| Establishments reporting..... No. | 17 | 15 | - 2 |
| Supervisory and office employees: | | | |
| Total..... No. | 203 | 203 | - |
| Male..... " | 134 | 135 | + 1 |
| Female..... " | 69 | 68 | - 1 |
| Total salaries..... \$ | 995,695 | 1,038,414 | + 42,719 |
| Production workers: | | | |
| Monthly average..... No. | 988 | 953 | - 35 |
| Male..... " | 690 | 695 | + 5 |
| Female..... " | 298 | 258 | - 40 |
| Total wages..... \$ | 2,740,241 | 2,773,700 | + 33,459 |
| Cost of fuel and electricity..... \$ | 204,560 | 176,773 | - 27,787 |
| Cost of materials used..... \$ | 8,089,835 | 9,024,435 | + 934,600 |
| Value of factory shipments..... \$ | 15,571,556 | 17,155,868 | + 1,584,312 |

Profits or losses cannot be estimated from the figures published in this report as no data are collected for overhead expenses, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 3. Inventories¹, 1956

| | Raw materials and supplies | Goods in process | Finished goods of own manufacture | Total |
|-----------------------|----------------------------------|---------------------|---|-----------|
| | \$ | \$ | \$ | \$ |
| Opening: ² | | | | |
| Quebec..... | 24,300 | — | 13,700 | 38,000 |
| Ontario..... | 1,253,958 | 247,511 | 1,813,222 | 3,314,691 |
| Other Provinces..... | 511,988 | 79,654 | 610,679 | 1,202,321 |
| Canada..... | 1,790,246 | 327,165 | 2,437,601 | 4,555,012 |
| Closing: | | | | |
| Quebec..... | 27,350 | — | 18,680 | 46,030 |
| Ontario..... | 2,126,516 | 244,871 | 1,740,931 | 4,112,318 |
| Other Provinces..... | 531,400 | 103,977 | 636,456 | 1,271,833 |
| Canada..... | 2,685,266 | 348,848 | 2,396,067 | 5,430,181 |

1. Book value of all manufacturing inventories held at plant and plant warehouses.

2. The opening inventory for 1956 differs from the closing inventory published for 1955 because of the inclusion of new firms and the removal of figures for firms which did not operate during 1956.

TABLE 4. Factory Shipments, 1955 and 1956

| Principal products | 1955 | | 1956 | |
|--|------------|-----------------------------|------------|-----------------------------|
| | Quantity | Selling value at factory | Quantity | Selling value at factory |
| | lb. | \$ | lb. | \$ |
| Binder twine..... | 27,349,550 | 3,572,944 ¹ | 21,947,474 | 3,438,189 ¹ |
| Baler twine — All sisal..... | 30,692,920 | 3,829,147 | 39,261,720 | 5,305,374 |
| Twines for sale: | | | | |
| Hemp..... | 129,119 | 97,240 | 193,123 | 143,699 |
| Jute..... | 1,511,339 | 514,280 | 1,775,749 | 565,998 |
| Sisal..... | 5,572,754 | 1,409,042 | 5,445,333 | 1,358,508 |
| All other..... | 263,465 | 236,337 | 352,648 | 373,300 |
| Rope: | | | | |
| Manila..... | 7,165,208 | 2,556,737 | 7,075,627 | 2,814,485 |
| Sisal..... | 4,240,304 | 1,155,835 | 4,686,072 | 1,286,914 |
| Cotton..... | 147,593 | 118,823 | 155,153 | 127,480 |
| Jute..... | | | | |
| Hemp..... | 153,500 | 91,812 | 147,451 | 92,426 |
| All other..... | 124,857 | 190,917 | 94,831 | 124,982 |
| Yarns: | | | | |
| Flax, hemp, jute, etc..... | 1,374,833 | 420,753 | 1,575,876 | 470,996 |
| All other products, unable to specify..... | — | 1,377,689 | — | 1,053,517 |
| Total factory shipments..... | — | 15,571,556 | — | 17,155,868 |

1. Selling value at factory in this case does not represent sales at a definite level as it includes sales to wholesalers at wholesale prices along with sales to dealer organizations at manufacturer's cost of production. As a guide to selling prices of binder twine, reference may be had to the wholesale prices as published by Prices Statistics Branch of the Bureau of Statistics which for the years 1955 and 1956 were \$18.539 and \$20.517 per cwt., respectively.

TABLE 5. Consumption of Binder Twine in Canada for the Years, 1953-1956

| | 1953 | 1954 | 1955 | 1956 |
|---|----------------|----------------|----------------|----------------|
| | Cwt. | Cwt. | Cwt. | Cwt. |
| Factory shipments | 338,962 | 307,990 | 273,495 | 219,475 |
| Imports | 21,529 | 37,387 | 41,134 | 51,041 |
| Total | 360,491 | 345,377 | 314,629 | 270,516 |
| Exports | 229,582 | 138,233 | 94,152 | 74,447 |
| Available for consumption ¹ | 130,909 | 207,144 | 220,477 | 196,069 |

1. Heretofore production instead of factory shipments was used in this table in arriving at available supply. The changeover is calculated to give data more closely approximating "market"

TABLE 6. Materials Used, 1955 and 1956

| Principal materials | 1955 | | 1956 | |
|---|------------|-----------------------|------------|-----------------------|
| | Quantity | Cost value at factory | Quantity | Cost value at factory |
| | lb. | \$ | lb. | \$ |
| Hard fibres: | | | | |
| Manila hemp | 6,366,666 | 1,099,356 | 6,056,764 | 1,096,845 |
| Java sisal | 1,043,641 | 106,439 | 356,567 | 41,821 |
| Mexican sisal | 4,428,204 | 365,028 | 1,094,437 | 93,669 |
| African sisal | 19,096,911 | 2,010,181 | 18,444,125 | 1,876,325 |
| Cuban | 3,219,703 | 280,686 | 1 | 1 |
| Haitian | 1 | 1 | 22,263,908 | 2,127,120 |
| Brazilian | 16,277,118 | 1,521,110 | | |
| Other hemp and sisal | 5,285,903 | 557,283 | 13,574,056 | 1,398,194 |
| Soft fibres: | | | | |
| Hemp, hemp tow, flax, flax tow and jute | 2,697,736 | 339,266 | 2,499,395 | 304,677 |
| Twines, cotton and other | 223,128 | 350,852 | 163,387 | 285,342 |
| Yarns purchased: | | | | |
| Flax, hemp and jute | 914,425 | 234,400 | 976,002 | 247,753 |
| Cotton and other | 517,813 | 472,495 | 484,610 | 352,476 |
| Oils | — | 242,206 | — | 234,887 |
| Wax | — | 9,101 | — | 8,234 |
| Degras | — | 11,882 | — | 10,691 |
| All other materials and supplies | — | 194,778 | — | 642,936 |
| Packing and shipping materials | — | 294,772 | — | 303,465 |
| Total cost of materials used | — | 8,089,835 | — | 9,024,435 |

1. Included in "Other hemp and sisal".

TABLE 7. Imports of Materials Used and Products Made by the Cordage Rope and Twine Industry, 1955 and 1956

| Articles Imported | Unit of measure | 1955 | | 1956 | |
|---|-----------------|-----------|-----------|-----------|-----------|
| | | Quantity | Value | Quantity | Value |
| | | | \$ | | \$ |
| Fibrilla, flax fibre and flax tow | cwt. | 956 | 29,027 | 1,225 | 38,718 |
| Hemp, dressed or undressed | " | 1,880 | 49,850 | 389 | 10,021 |
| Manila fibre | " | 65,954 | 1,095,432 | 58,998 | 1,100,319 |
| Vegetable fibres, n.o.p. | " | 9,848 | 87,818 | 8,101 | 74,386 |
| Sisal, istle and tampico fibre | " | 656,262 | 5,823,701 | 663,328 | 6,076,648 |
| Jute and jute butts | " | 26,331 | 244,047 | 76,823 | 843,252 |
| Okum of flax, hemp and jute | " | 26,741 | 413,919 | 27,156 | 423,656 |
| Coir and coir yarn | " | 6,710 | 63,921 | 6,218 | 63,925 |
| Yarns, vegetable fibres, singles, n.o.p. | lb. | 172,617 | 62,004 | 287,595 | 98,083 |
| Yarns, cords and twines, vegetable fibres, plied, n.o.p. | " | 1,290,276 | 321,282 | 1,554,745 | 363,993 |
| Yarns, cords and twines, jute, plied, n.o.p. | " | 263,809 | 64,206 | 432,687 | 107,426 |
| Yarns, jute, singles, n.o.p. | " | 1,194,216 | 216,928 | 1,066,229 | 193,268 |
| Cords and twine, cotton, n.o.p. | " | 414,117 | 393,477 | 476,741 | 412,402 |
| Thread, twines, marlines, fishing lines of vegetable fibre for commercial fishing purposes or for the construction or repair of fishing nets | " | 943,812 | 791,036 | 1,072,701 | 894,731 |
| Cordage, manila, sisal and New Zealand fibre, exceeding one inch in circumference | " | 1,550,685 | 355,666 | 2,328,047 | 538,033 |
| Cordage exceeding one inch in circumference, wholly of vegetable fibre, n.o.p. | " | 626,521 | 174,572 | 556,747 | 175,558 |
| Rope and cordage not exceeding one and one half inches in circumference, to be used for commercial fishing purposes, or for the construction and repair of fishing nets | " | 2,706,563 | 625,403 | 2,553,970 | 651,623 |
| Baler twine | cwt. | 58,768 | 781,217 | 76,781 | 1,035,000 |
| Binder twine | " | 41,134 | 528,233 | 51,041 | 700,410 |
| Fish nets and nettings | lb. | 1,538,705 | 2,540,643 | 1,420,516 | 2,222,817 |
| Jute manufactures, n.o.p. | " | 87,853 | 39,923 | 95,937 | 46,763 |
| Vegetable fibre manufactures, n.o.p. | " | 3,143,736 | 3,075,010 | 3,687,504 | 3,597,473 |

TABLE 8. Exports of Cordage, Rope and Twine, etc., 1955 and 1956

| Articles exported | 1955 | | 1956 | |
|---|----------|-----------|----------|-----------|
| | Quantity | Value | Quantity | Value |
| | cwt. | \$ | cwt. | \$ |
| Fibre and tow of flax or hemp | 2,853 | 78,407 | 2,600 | 66,523 |
| Binder twine | 94,152 | 1,388,634 | 74,447 | 1,143,513 |
| Rope | 479 | 16,579 | 925 | 34,476 |
| Cordage and twine, n.o.p. | 177,063 | 2,846,060 | 196,947 | 3,221,312 |
| Nets, twines, lines and rope for commercial fishing | — | 930,319 | — | 819,429 |

TABLE 9. Employees and their Earnings, by Provinces, 1955 and 1956

| | Average number | | | | | Earnings | | |
|---------------------|----------------------------------|-----------|--------------------|------------|--------------|----------------------------------|--------------------|------------------|
| | Supervisory and office employees | | Production workers | | Total | Supervisory and office employees | Production workers | Total |
| | Male | Female | Male | Female | | | | |
| | No. | No. | No. | No. | No. | \$ | \$ | \$ |
| 1955 | | | | | | | | |
| Quebec | 7 | 4 | 14 | 16 | 41 | 30,664 | 48,979 | 79,643 |
| Ontario | 83 | 50 | 543 | 225 | 901 | 635,403 | 2,207,018 | 2,842,421 |
| Other | 44 | 15 | 133 | 57 | 249 | 329,628 | 484,244 | 813,872 |
| Canada | 134 | 69 | 690 | 298 | 1,191 | 995,695 | 2,740,241 | 3,735,936 |
| 1956 | | | | | | | | |
| Quebec | 5 | 2 | 5 | 2 | 14 | 15,626 | 22,600 | 38,226 |
| Ontario | 83 | 51 | 551 | 200 | 885 | 683,920 | 2,221,033 | 2,904,953 |
| Other | 47 | 15 | 139 | 56 | 257 | 338,868 | 530,067 | 868,935 |
| Canada | 135 | 68 | 695 | 258 | 1,156 | 1,038,414 | 2,773,700 | 3,812,114 |

1. Includes one establishment in Newfoundland, one in Nova Scotia, and three in British Columbia.

TABLE 10. Monthly Employment of Production Workers, 1954-1956

| | 1954 | | | 1955 | | | 1956 | | |
|-----------------------|--------|--------|-------|------|--------|-------|------|--------|-------|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| | Number | | | | | | | | |
| January | 697 | 326 | 1,023 | 720 | 317 | 1,037 | 684 | 267 | 951 |
| February | 747 | 319 | 1,066 | 705 | 322 | 1,027 | 684 | 254 | 938 |
| March | 719 | 314 | 1,033 | 700 | 308 | 1,008 | 716 | 261 | 977 |
| April | 700 | 314 | 1,014 | 706 | 309 | 1,015 | 711 | 270 | 981 |
| May | 691 | 303 | 994 | 704 | 312 | 1,016 | 707 | 268 | 975 |
| June | 709 | 309 | 1,018 | 700 | 311 | 1,011 | 702 | 250 | 952 |
| July | 694 | 304 | 998 | 689 | 300 | 989 | 674 | 247 | 921 |
| August | 687 | 292 | 979 | 673 | 274 | 947 | 699 | 259 | 958 |
| September | 687 | 302 | 989 | 670 | 280 | 950 | 645 | 255 | 900 |
| October | 689 | 293 | 982 | 660 | 275 | 935 | 690 | 248 | 938 |
| November | 711 | 305 | 1,016 | 672 | 296 | 968 | 700 | 253 | 953 |
| December | 697 | 301 | 998 | 663 | 272 | 935 | 706 | 274 | 980 |
| Monthly average | 703 | 308 | 1,011 | 690 | 298 | 988 | 695 | 258 | 953 |

TABLE 11. Estimated Capital, Repair and Maintenance Expenditures 1946-1956
(Thousands of dollars)

| Year | Capital expenditures | | | Repair and maintenance expenditures | | | Capital, repair and maintenance expenditures | | |
|-------------------------|----------------------|-------------------------|-----------|-------------------------------------|-------------------------|-----------|--|-------------------------|-------|
| | Construction | Machinery and equipment | Sub-total | Construction | Machinery and equipment | Sub-total | Construction | Machinery and equipment | Total |
| 1946 | .. | .. | 340 | .. | .. | 469 | .. | .. | 809 |
| 1947 | .. | .. | 125 | 111 | 424 | 535 | 173 | 549 | 722 |
| 1948 | .. | .. | 361 | .. | .. | 519 | 108 | 772 | 880 |
| 1949 | .. | .. | 226 | 127 | 372 | 499 | 133 | 592 | 725 |
| 1950 | .. | .. | 222 | 152 | 293 | 445 | 173 | 494 | 667 |
| 1951 | 215 | 363 | 578 | 174 | 464 | 638 | 389 | 827 | 1,216 |
| 1952 | .. | .. | 551 | 154 | 461 | 615 | 232 | 934 | 1,166 |
| 1953 | .. | .. | 625 | .. | .. | 437 | 137 | 925 | 1,062 |
| 1954 | .. | .. | 415 | .. | .. | 505 | 122 | 798 | 920 |
| 1955 | .. | .. | 321 | .. | .. | 453 | 161 | 613 | 774 |
| 1956 ¹ | .. | .. | 426 | .. | .. | 439 | 135 | 730 | 865 |

1. Figures for 1956 are preliminary.

TABLE 12. Mechanical Equipment, 1955 and 1956

| | 1955 | 1956 |
|--|-------|-------|
| | No. | No. |
| Spindles which consumed fibre during the year | 3,414 | 3,232 |
| Spindles which consumed no fibre during the year | 623 | 471 |
| Twisting and doubling spindles | 789 | 839 |
| Looms | — | 28 |
| Braiding machines | 301 | 369 |
| Banding machines | — | 3 |
| Rope machines | 138 | 116 |
| Winding machines | 300 | 380 |
| Netting | 25 | 26 |

TABLE 13. Consumption of Fuel and Electricity, 1953 and 1956

| Kinds of fuel | Unit of measure | 1953 | | 1956 | |
|--|-----------------|------------|-----------------------|------------|-----------------------|
| | | Quantity | Cost value at factory | Quantity | Cost value at factory |
| | | | \$ | | \$ |
| Bituminous coal | ton | 3,027 | 36,297 | 2,699 | 33,672 |
| Sub-bituminous coal | " | 580 | 8,085 | — | — |
| Gasoline (including gasoline used in cars and trucks) | Imp. gal. | 10,734 | 4,083 | 7,639 | 2,266 |
| Kerosene or coal oil | " | 90 | 23 | — | — |
| Fuel oil | " | 81,937 | 10,230 | 181,900 | 23,284 |
| Other fuel | — | — | 14,719 | — | 500 |
| Total cost of fuel | — | — | 75,437 | — | 59,722 |
| Electricity purchased (including service charges) | Kw. H | 10,913,982 | 130,159 | 10,663,995 | 117,051 |
| Total cost of fuel and electricity | — | — | 205,596 | — | 176,773 |

List of Cordage, Rope and Twine Manufacturers Operating in Canada in 1956

| Name of firm | Location | Products made |
|---|--|--|
| Newfoundland: | | |
| Colonial Cordage Company Ltd. | St. John's | Rope, twine, yarn, lines |
| Nova Scotia: | | |
| Plymouth Cordage Co. of Canada, Ltd. (H.O. Welland, Ontario) | Wyse Road, Dartmouth | Rope |
| Quebec: | | |
| Beaver Mfg. Co. Reg. | 1,000 Charles Garner St., Drummondville | Rope, twines |
| Dominion Wire Rope Ltd. (Synthetic Cordage Div.) | 175 St. Joseph St., Lachine | Rope |
| Kenyon William, & Sons (Canada) Ltd. | Cabana & Berard St., Granby | Rope |
| Ontario: | | |
| Algonquin Line & Thread Co. Ltd. | 6 Bartlett Avenue, Toronto | Fishing lines etc. |
| Brantford Cordage Co. Ltd., The | 111 Brant St., Brantford | Baler twine, binder twine, rope, twine |
| Brooks Limited, John S. | 722 Broad St., E., Dunville | Fish netting |
| Derrett Cordage Co. | 6 Bartlett Avenue, Toronto | Twines, lines |
| Doon Twines Ltd. | 50 Ottawa St., S., Kitchener | Baler twine, binder twine, rope, twine; yarn |
| International Harvester Co. of Canada Ltd. .. | 208 Hillyard Street, Hamilton | Baler twine, binder twine |
| Plymouth Cordage Co. of Canada Ltd. | 229 Plymouth Road, Welland | Baler twine, binder twine, rope, twine |
| British Columbia: | | |
| Canada Ropes Ltd. | 377 No. 3 Road, Lulu Island | Rope, twines, lines |
| Canada Western Cordage Co., Ltd. (H.O. 20 Water St., Vancouver) | Braid St., New Westminster | Rope, twine |
| First Vancouver Net Factory Ltd. | 121 Main St., Vancouver | Fish nets, twines |



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