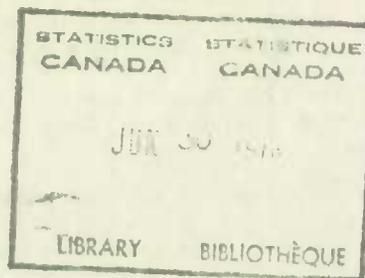


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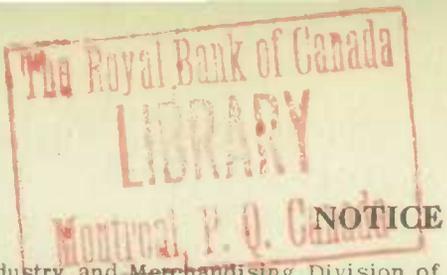


THE CORDAGE, ROPE AND TWINE INDUSTRY  
1950

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The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Products
- XIII Transportation Equipment
- XIV Non-ferrous Metal Products
- XV Electrical Apparatus
- XVI Non-metallic Mineral Products
- XVII Coke and Gas—Petroleum Refining
- XVIII Chemicals and Allied Products

The present report belongs in Group VIII, Textiles. 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 of All Textiles, 50¢.

**Textiles, Except Clothing**

- B General Review, 25¢.
- C The Cotton Textile Industry, 40¢.
- D The Woollen Textile Industries, 40¢.
- E The Synthetic Textiles and Silk Industry, 25¢.
- F The Narrow Fabrics Industry, 25¢.
- G The Dyeing and Finishing of Textile Goods Industry, 25¢.

**Miscellaneous Textile Products**

- H The Awning, Tent and Sail Industry, 25¢.
- I The Cordage, Rope and Twine Industry, 25¢.
- J The Cotton and Jute Bag Industry, 25¢.
- K The Miscellaneous Textiles Industries, 25¢.

**Clothing**

- L General Review, 25¢.
- M The Men's Factory Clothing Industry, 40¢.
- N The Women's and Children's Factory Clothing Industries, 40¢.
- O The Hosiery, Knitted Goods and Fabric Glove and Mitten Industries, 35¢.
- P The Corset Industry, 25¢.
- Q The Fur Goods and Fur Dressing Industries, 25¢.
- R The Hat and Cap Industry, 25¢.
- S The Miscellaneous Clothing Industries, 25¢.

(19 June 50)

# THE CORDAGE, ROPE AND TWINE INDUSTRY

1950

While the physical volume of the cordage, rope and twine industry was slightly below the 1949 level, the value of production of the industry showed a 3.2 per cent increase in comparison with the previous year. This value of output, however, was still considerably below the high level attained in 1947. The production of binder twine showed a decrease but as there was a drastic reduction in exports, the quantity available for Canadian consumption increased from 172,536 cwt. in 1949 to 227,619 cwt. in 1950. There was a very significant increase in the production of baler twine with more than twice as much produced in 1950 as in the previous year.

Of the ten establishments listed in the cordage, rope and twine industry, six are located in Ontario while there is one in Newfoundland, Nova Scotia, Quebec and British Columbia. The Ontario plants dominated the industry and accounted for 80.4 per cent of total output and 79.6 per cent of employment.

The gross value of production of the industry in 1950 amounted to \$17,459,571 or \$541,633 more than the previous year. The cost of materials used increased by \$256,486, from \$10,732,750 in 1949 to \$10,989,236 in 1950. Employment increased from 1,302 in 1949 to 1,370 in 1950 while salaries and wages rose from \$2,805,837 in 1949 to \$3,030,188 in the following year.

From the standpoint of both volume and value, binder twine is the principal product manufactured by the industry. In 1950 production of binder twine reached 39,126,566 pounds valued at \$6,468,269 in comparison with 47,930,828 pounds valued at \$7,542,885 in 1949. The value of production of binder twine in 1950 represented 37 per cent of the total value of production of the industry. Baler twine increased from 3,123,400 pounds valued at \$675,452 in 1949 to 7,523,080 pounds valued at \$1,599,152 in 1950.

The output of rope totalled 12,567,214 pounds valued at \$4,617,895; twines for sale, 8,780,275 pounds valued at \$3,258,825; yarns for sale, 2,392,854 pounds valued at \$1,436,583; and all other products had a value of \$78,847.

Compared with 1949 the industry reported a decrease of approximately 3 per cent in the physical volume of production during 1950. Decreases in binder twine, jute twine and flax, hemp and jute yarns more than offset increases in the production of such items as baler twine, other sisal twine and rope.

Hard fibres, such as Manilla hemp, Mexican and African sisal, etc. constitute the principal materials used by the industry. The quantity consumed in 1950 was valued at \$8,729,604 or 79 per cent of the total cost of materials used. Full details of production and materials consumed are given in Tables 3 and 5 of this Report.

TABLE 1. Principal Statistics, Representative Years, 1921 - 1950

Year and provinces	Establishments	Employees	Salaries and wages	Cost of materials used	Gross value of production
	No.	No.	\$	\$	\$
1921 .....	9	824	1,055,462	4,620,408	7,962,550
1924 .....	9	1,359	1,486,702	5,096,892	8,876,786
1929 .....	13	1,368	1,518,280	7,798,893	11,798,165
1930 .....	13	1,058	1,182,568	6,059,887	8,551,349
1933 .....	11	1,015	1,027,460	2,461,395	4,740,612
1937 .....	10	1,030	1,132,435	3,907,340	6,578,967
1938 .....	10	882	1,007,597	3,057,839	4,910,962
1939 .....	10	978	1,055,702	2,710,778	4,966,074
1940 .....	11	1,285	1,533,026	4,903,793	9,192,945
1941 .....	11	1,346	1,668,462	5,684,207	10,895,994
1942 .....	11	1,590	2,243,872	8,350,266	13,758,225
1943 .....	11	1,531	2,279,708	8,197,636	12,650,931
1944 .....	10	1,741	2,637,162	10,594,964	16,177,696
1945 .....	10	1,678	2,477,765	8,814,693	14,419,946
1946 .....	10	1,740	2,669,236	8,058,127	13,869,880
1947 .....	10	1,607	2,837,339	11,053,378	18,229,405
1948 .....	10	1,470	2,999,745	11,575,748	17,995,920
1949					
Canada .....	10	1,302	2,805,837	10,732,750	16,917,938
Ontario .....	6	1,028	2,254,207	8,665,904	13,578,643
Other provinces <sup>1</sup> .....	4	274	551,630	2,066,846	3,339,295
1950					
Canada .....	10	1,370	3,030,188	10,989,236	17,459,571
Ontario .....	6	1,090	2,447,040	9,017,807	14,033,112
Other provinces <sup>1</sup> .....	4	280	583,148	1,971,429	3,426,459

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

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.

The statistics published in this report include only the statistics of manufacturing establishments whose principal products are cordage, rope and twine. Statistics relating to specific products, such as twines, are not to be regarded as the total for Canada since some of these products are also produced in cotton textiles establishments.

TABLE 2. Comparison of Principal Statistics, 1949 and 1950

Item	1949	1950	+ Increase - Decrease
Establishments reporting .....	No. 10	10	-
Employees on salaries:			
Total .....	No. 190	192	+ 2
Male .....	No. 132	137	+ 5
Female .....	No. 58	55	- 3
Total salaries .....	\$ 650,445	680,583	+ 30,138
Employees on wages:			
Monthly average .....	No. 1,112	1,178	+ 66
Male .....	No. 700	739	+ 39
Female .....	No. 412	439	+ 27
Total wages .....	\$ 2,155,392	2,349,605	+194,213
Cost of fuel and electricity .....	\$ 186,041	198,775	+ 12,734
Cost of materials used .....	\$ 10,732,750	10,989,236	+256,486
Gross value of production .....	\$ 16,917,938	17,459,571	+541,633

TABLE 3. Production, 1949 and 1950

Principal products	Unit of measure	1949		1950	
		Quantity	Selling value at factory	Quantity	Selling value at factory
			\$		\$
Binder twine:					
All sisal.....	lb.	47,930,828	7,542,885 <sup>1</sup>	39,126,566	6,468,269 <sup>1</sup>
Chiefly sisal.....	"				
Baler twine - All sisal.....	"	3,123,400	675,452	7,523,080	1,599,152
Twines for sale:					
Hemp.....	"	150,522	120,188	195,609	141,937
Jute.....	"	3,082,682	1,162,500	2,078,030	835,753
Sisal.....	"	3,194,750	1,014,443 <sup>1</sup>	5,928,023	1,782,007
Manilla.....	"	196,713	57,483	578,613	499,128
All other.....	"	682,311	561,498		
Rope:					
Manilla.....	"	6,035,925	2,386,187	6,013,729	2,574,492
Sisal.....	"	5,253,223	1,620,776	6,041,696	1,790,603
Cotton.....	"	65,058	58,097	248,542	126,248
Jute.....	"	141,493	47,350		
Hemp.....	"	133,942	80,822	111,121	67,419
All other.....	"	115,198	54,797	152,126	59,133
Yarns:					
Flax, hemp, jute, etc.....	"	3,614,982	1,176,985	2,392,854	1,436,583
All other products, unable to specify.....	-	-	358,475	-	78,847
<b>Total production.....</b>	-	-	<b>16,917,938</b>	-	<b>17,459,571</b>

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 1949 and 1950 were \$21.628 and \$21.399 per cwt., respectively.

TABLE 4. Consumption of Binder Twine in Canada for the Years, 1948-1950

	1948		1949		1950	
	Quantity	Value	Quantity	Value	Quantity	Value
	cwt.	\$	cwt.	\$	cwt.	\$
Production.....	660,713	9,546,513	479,308	7,542,885	391,266	6,468,269
Imports.....	19	515	4,609	104,705	11,289	239,756
<b>Total.....</b>	<b>660,732</b>	<b>9,547,028</b>	<b>483,917</b>	<b>7,647,590</b>	<b>402,555</b>	<b>6,708,025</b>
Exports.....	282,180	4,745,220	311,381	5,789,694	174,936	3,231,103
<b>Available for consumption.....</b>	<b>378,552</b>	<b>4,801,808</b>	<b>172,536</b>	<b>1,857,896</b>	<b>227,619</b>	<b>3,476,922</b>

TABLE 5. Materials Used, 1949 and 1950

Principal materials	Unit of measure	1949		1950	
		Quantity	Cost value at factory	Quantity	Cost value at factory
			\$		\$
<b>Hard fibres:</b>					
Manilla hemp .....	lb.	5,227,496	1,369,157	5,746,808	1,597,297
Java sisal .....	"	1	1	—	—
Mexican sisal .....	"	9,492,953	1,457,222	14,346,246	1,836,960
African sisal .....	"	25,368,402	4,317,069	13,362,489	2,273,248
Cuban .....	"	1,869,555	290,796	1,937,924	258,768
Haitian .....	"	2,314,975	402,753	6,015,399	1,016,814
Brazilian .....	"	1,515,658	255,839	8,122,156	1,224,271
Other hemp and sisal .....	"	500,266	120,532	2,868,415	522,246
<b>Soft fibres:</b>					
Hemp, hemp tow, flax, flax tow and jute .....	lb.	6,574,908	1,241,251	4,400,510	820,279
Twines, cotton and other .....	"	25,977	49,474	107,115	52,966
<b>Yarns, purchased:</b>					
Flax, hemp and jute .....	"	687,709	230,520	730,886	219,540
Cotton and other.....	"	703,141	385,978	618,538	310,170
<b>Oils</b> .....	—	—	216,531	—	186,454
<b>Wax</b> .....	—	—	5,936	—	7,489
<b>Degras</b> .....	—	—	12,246	—	15,978
<b>All other materials and supplies</b> .....	—	—	182,904	—	462,403
<b>Packing and shipping materials:</b>					
Burlap .....	—	—	20,471	—	23,210
Other packing and shipping materials .....	—	—	174,071	—	161,143
<b>Total cost of materials used</b> .....	—	—	<b>10,732,750</b>	—	<b>10,989,236</b>

1. Included in "Other hemp and sisal".

TABLE 6. Imports of Materials Used and Products Made by the Cordage, Rope and Twine Industry, 1949 and 1950

Articles imported	Unit of measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
Fibrilla, flax fibre and flax tow.....	Cwt.	1,404	71,394	7,001	169,668
Manila fibre .....	"	58,352	1,581,812	59,874	1,600,862
Vegetable fibres, n.o.p. ....	"	24,849	163,709	25,415	192,510
Sisal, istle and tampico fibre .....	"	382,135	6,329,069	569,071	8,235,520
Jute and jute butts .....	"	87,748	1,358,220	75,322	1,179,637
Okum of flax, hemp or jute .....	"	21,076	311,769	27,596	406,686
Coir and coir yarn .....	"	9,556	104,703	8,019	88,786
Yarns, vegetable fibres, singles, n.o.p. ....	Lbs.	69,243	27,531	200,890	78,088
Yarns, cords and twines, vegetable fibres, plied n.o.p. ..	"	621,920	215,440	1,025,817	302,755
Yarns, cords and twines, jute, plied, n.o.p. ....	"	95,040	28,405	270,495	68,615
Yarns, jute, singles, n.o.p. ....	"	258,407	61,210	757,644	171,337
Cords and twine, cotton, n.o.p. ....	"	295,417	258,472	431,044	406,062
Thread, twines, marlines, fishing lines of vegetable fibre for commercial fishing purposes or for the construction or repair of fishing nets .....	"	402,204	384,283	850,116	572,787
Cordage, manila, sisal and New Zealand fibre, exceeding one inch in circumference .....	"	1,358,563	370,401	1,874,632	473,812
Cordage exceeding one inch in circumference, wholly of vegetable fibre, n.o.p. ....	"	397,119	141,814	280,162	132,063
Rope and cordage of cotton hemp, manila or other vegetable fibre, 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 .....	"	1,162,976	346,027	1,879,414	521,369
Binder twine .....	Cwt.	4,609	104,705	11,289	239,756
Fish nets and nettings .....	—	—	2,340,593	—	2,022,521
Jute manufactures, n.o.p. ....	—	—	12,088	—	21,038
Vegetable fibre manufactures, n.o.p. ....	Lbs.	616,804	716,643	1,198,942	1,387,505

TABLE 7. Exports of Cordage, Rope and Twine, etc., 1949 and 1950

Articles Exported	Unit of Measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
Fibre and tow of flax or hemp.....	Cwt.	28,042	477,377	31,923	569,220
Binder twine .....	"	311,381	5,789,694	174,936	3,231,103
Rope .....	"	1,841	45,777	2,981	94,883
Cordage and twine, n.o.p. ....	"	8,317	260,303	41,703	1,007,994
Nets Twine Commercial Fishing .....	"	—	846,494	—	244,733

TABLE 8. Employees by Sex and Remuneration, 1949 and 1950

	1949			1950		
	Ontario	Other <sup>1</sup>	Total	Ontario	Other <sup>1</sup>	Total
<b>Salaried Employees:</b>						
Total..... No.	138	52	190	135	57	192
Male .....	93	39	132	95	42	137
Female .....	45	13	58	40	15	55
Total Salaries .....	\$ 461,813	188,632	650,445	488,658	191,925	680,583
<b>Wage-earners:</b>						
Monthly average..... No.	890	222	1,112	955	223	1,178
Male .....	554	146	700	589	150	739
Female .....	336	76	412	366	73	439
Total Wages .....	\$ 1,792,394	362,998	2,155,392	1,958,382	391,223	2,349,605
<b>All Employees:</b>						
Total..... No.	1,028	274	1,302	1,090	280	1,370
Male .....	647	185	832	684	192	876
Female .....	381	89	470	406	88	494
Total Salaries and Wages.....	\$ 2,254,207	551,630	2,805,837	2,447,040	583,148	3,030,188

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

TABLE 9. Monthly Employment of Wage-earners, 1948-1950

Months	1948			1949			1950		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.	No.	No.	No.
January.....	949	521	1,470	734	416	1,150	673	403	1,076
February .....	959	532	1,491	746	410	1,156	663	410	1,073
March .....	947	500	1,447	733	422	1,155	678	403	1,081
April .....	901	466	1,367	728	425	1,153	690	414	1,104
May .....	861	444	1,305	725	440	1,165	710	421	1,131
June.....	879	464	1,343	691	425	1,116	702	410	1,112
July .....	894	476	1,370	709	429	1,138	698	421	1,119
August.....	845	478	1,323	698	411	1,109	692	412	1,104
September.....	777	453	1,230	684	402	1,086	736	415	1,151
October .....	713	401	1,114	658	394	1,052	781	451	1,232
November .....	705	385	1,090	653	387	1,040	909	504	1,413
December .....	689	393	1,082	652	376	1,028	940	509	1,449
Monthly average .....	846	460	1,306	700	412	1,112	739	439	1,178



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## THE TEXTILE INDUSTRIES

**TABLE 10. Estimated Capital, Repair and Maintenance Expenditures 1946 - 1950**  
(Thousands of dollars)

Year	Capital expenditures			Repair and maintenance expenditures			Capital, repair and maintenance expenditures		
	Con- struction	Machinery and equipment	Sub- total	Con- struction	Machinery and equipment	Sub- total	Con- struction	Machinery and equipment	Sub- total
1946 .....	275	65	340	469	—	469	744	65	809
1947 .....	64	122	186	125	386	511	189	508	697
1948 .....	30	455	485	104	407	511	135	861	996
1949 .....	2	379	381	198	427	625	200	806	1,006
1950 .....	—	181	181	227	347	574	227	528	755

**TABLE 11. Mechanical Equipment, 1949 and 1950**

	1949	1950
	No.	No.
Spindles which consumed fibre during the year .....	4,357	4,359
Spindles which consumed no fibre during the year .....	302	154
Twisting and doubling spindles .....	1,792	1,835
Looms .....	11	13
Braiding machines .....	189	189
Rope machines.....	149	144
Winding machines .....	359	353
Netting .....		

## APPENDIX

**Cordage, Rope and Twine Manufacturers Operating in Canada in 1950**

Name of firm	Location	Products
<b>NEWFOUNDLAND:</b>		
Colonial Cordage Company Ltd. ....	St. Johns .....	Twines, ropes
<b>NOVA SCOTIA:</b>		
Consumers' Cordage Co., Ltd. (H.O. 132 St. James W., Montreal, Quebec) .....	Wyse Road, Dartmouth .....	Binder twine, twines, ropes
<b>QUEBEC:</b>		
Bolduc, The C.N. Manufacturing Co. ....	12 College St., Lennoxville.....	Rope
<b>ONTARIO:</b>		
Brantford Cordage Co., Ltd., The .....	111 Brant St., Brantford .....	Binder twine, twines
Brooks Limited, John S. ....	722 Broad St., E., Dunnville ....	Fish netting
Derrett Cordage Co. ....	6 Bartlett Avenue, Toronto .....	Twines, rope, etc.
Doon Twines Ltd. ....	50 Ottawa St. S., Kitchener .....	Yarns, twines, rope
International Harvester Co. of Canada Ltd. ....	208 Hillyard Street, Hamilton ....	Binder twine, twines
Plymouth Cordage Co. ....	229 Plymouth Road, Welland ....	Binder twine, twines, rope, etc.
<b>BRITISH COLUMBIA:</b>		
Canada Western Cordage Co., Ltd. (H.O. 20 Water St., Vancouver) .....	Braid St., New Westminste	Twines, rope