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REPORT

ON THE

CORDAGE, ROPE & TWINE INDUSTRY

IN

CANADA

1934

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1935

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
GENERAL MANUFACTURES BRANCH
OTTAWA - CANADA

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THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

The eleven establishments listed in the cordage, rope and twine industry in 1934 reported a gross value of production of \$4,818,586 and a capital investment in fixed and current assets of \$10,416,346. Persons employed in the industry numbered 952 with a salary and wage bill amounting to \$981,653, while materials used had a value at the factory of \$2,532,887. The value added by manufacture amounted to \$2,285,699.

Although there was a slight increase of \$77,974 in the gross value of production, the physical volume of production was, however, substantially lower, the decrease in 1934 as compared with the previous year being 9.5 per cent. There was also a drop of sixty-three in the number of persons employed and \$45,807 in the amount paid out in salaries and wages, while the figures for value added by manufacture were only slightly lower, the decrease being about .2 per cent. The capital invested and cost of materials used were, however, higher, the increase being \$577,084 and \$81,492 respectively.

Ontario is the leading producer of cordage, rope and twine. The seven plants located there produced in 1934, 85 per cent of the total output, they furnished employment to 83 per cent of the employees and contributed 90 per cent of the total capital invested in the industry.

From the standpoint of both volume and value, binder twine is the principal product manufactured by this industry. In 1934 there were produced 55,184,777 pounds valued at the factory at \$3,470,540, or at an average selling price at the factory of 6.3 cents per pound as against 5.3 cents per pound in 1933. The output of binder twine represented 72 per cent of the total value of all products made in 1934. The output of rope totalled 8,365,310 pounds valued at \$908,205, twines for sale 2,457,146 pounds valued at \$341,718 and all other products had a value of \$98,123. Compared with 1933 the output of binder twine was 15.9 per cent lower, while twines for sale and rope were respectively 15.5 per cent and 4.8 per cent higher. Table 3 gives detailed statistics of production for 1933 and 1934, while table 4 gives the consumption of binder twine in Canada for the past few years.

Hard fibres such as manila hemp, African hemp and sisal, Java and Mexican sisal, etc., constituted the principal materials used by the industry. The amount used in 1934 was valued at \$2,027,407 or at about 80 per cent of the total cost of all materials used.

Imports and exports of finished products and raw materials used by the industry during 1933 and 1934 are given in detail in tables 13 and 14.

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 1. - Principal Statistics, 1926-1934.

Year and Provinces	Estab- lish- ments Report- ing	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production	Value added by Manufacture
	No.	\$	No.	\$	\$	\$	\$
1926	11	15,679,569	1,514	1,591,125	7,566,817	10,574,682	3,007,865
1927	14	14,890,220	1,440	1,558,987	7,499,649	10,827,418	3,327,769
1928	14	12,173,549	1,330	1,533,017	7,624,155	10,839,961	3,215,806
1929	13	13,066,423	1,368	1,518,280	7,798,893	11,798,165	3,999,272
1930	13	12,281,660	1,058	1,182,568	6,059,887	8,551,349	2,491,462
1931	12	11,016,184	968	1,089,292	3,889,767	5,796,490	1,906,723
1932	12	10,184,932	998	1,104,650	2,680,830	5,017,931	2,337,101
<u>1933</u>							
CANADA	11	9,839,262	1,015	1,027,460	2,451,395	4,740,612	2,289,217
Ontario	7	8,407,090	834	819,774	2,155,260	4,049,529	1,894,269
Other Provinces .	4	1,432,172	181	207,686	296,135	691,083	394,948
<u>1934</u>							
CANADA	11	10,416,346	952	981,653	2,532,887	4,818,586	2,285,699
Ontario	7	9,384,503	793	796,384	2,191,170	4,097,228	1,906,058
Other Provinces ^x .	4	1,031,843	159	185,269	341,717	721,358	379,641
^x Included in 1934		Quebec	2	Establishments.			
		Nova Scotia	1	Establishment.			
		British Columbia .	1	Establishment.			

Table 2. - Comparison of Principal Statistics, 1933 and 1934.

Items	1933	1934	+ Increase
			- Decrease
Establishments reporting	No. 11	11	-
Capital invested	\$ 9,839,262	10,416,346	+ 577,084
Employees on salaries -			
Total	No. 108	109	+ 1
Male	No. 81	81	-
Female	No. 27	28	+ 1
Salaries	\$ 263,392	255,014	- 8,378
Employees on wages -			
Monthly average	No. 907	843	- 64
Male	No. 614	597	- 17
Female	No. 293	246	- 47
Wages	\$ 764,068	726,639	- 37,429
Power equipment -			
Units	No. 282	288	+ 6
Horse power capacity	H.P. 7,635	7,515	- 120

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 2. - Comparison of Principal Statistics, 1933 and 1934. - (Concl'd.)

Items	1933		1934		+ Increase - Decrease
Cost of fuel and electricity	\$	103,453		104,367	914
Cost of materials used	\$	2,451,395		2,532,887	+ 81,492
Gross value of production	\$	4,740,612		4,818,586	+ 77,974
Value added by manufacture	\$	2,289,217		2,285,699	- 3,518

Table 3. - Production, 1933 and 1934.

Principal Products	Unit of Measure	1933		1934	
		Quantity	Selling Value at Factory	Quantity	Selling Value at Factory
			\$		\$
Binder twine -					
Chiefly sisal	Pounds	49,900,261	2,615,249	41,568,323	2,703,343
All other	"	15,705,195	878,880	13,616,454	767,197
Twines for sale -					
Flax, hemp, jute, sisal, etc.	Pounds	2,125,055	306,048	2,457,146	341,718
Rope -					
Manila	Pounds	5,816,167	639,858	5,847,559	639,698
Sisal	"	1,492,220	141,392	2,058,898	207,692
Jute	"	17,751	3,060	32,806	4,958
Hemp	"	195,074	26,714	243,051	26,825
All other	"	452,210	56,142	182,996	29,032
Yarns for sale	Pounds	99,077	11,919	-	-
All other products, unable to specify ...	-	-	61,350	-	98,123
TOTAL PRODUCTION.	-	-	4,740,612	-	4,818,586

Table 4. - Consumption of Binder Twine in Canada for the Years 1932-1934.

	1932		1933		1934	
	Quantity	Value	Quantity	Value	Quantity	Value
	Cwt.	\$	Cwt.	\$	Cwt.	\$
Production	661,377	3,701,857	656,055	3,494,129	551,848	3,470,540
plus						
Imports	268,510	1,576,287	225,478	1,280,755	156,165	1,004,757
TOTAL	929,887	5,278,144	881,533	4,774,884	708,013	4,475,297
less						
Exports	168,459	870,886	150,313	705,442	113,883	674,890
AVAILABLE FOR CONSUMPTION	761,428	4,407,258	731,220	4,069,442	594,130	3,800,407

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 5. - Materials Used, 1933 and 1934.

Principal Materials	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Cost Value at Factory \$	Quantity	Cost Value at Factory \$
HARD FIBRES -					
Manila hemp	Pounds	7,938,289	339,286	13,642,266	541,972
New Zealand hemp	"	289,216	12,269	198,634	8,755
African hemp and sisal	"	12,893,435	416,634	10,455,975	410,578
Java sisal	"	15,743,370	504,722	9,403,659	327,418
Mexican sisal	"	22,839,830	600,662	17,855,340	585,029
Other hard fibres	"	2,629,530	91,461	4,126,338	153,655
SOFT FIBRES -					
Hemp and hemp tow	Pounds	383,351	28,446	363,845	30,747
Flax, flax tow and jute	"	666,049	24,450	1,132,446	42,697
Twines, cotton and linen	"	39,406	19,318	83,643	47,239
Yarns purchased -					
Flax, hemp and jute ..	Pounds	394,709	38,797	590,976	56,591
Cotton and other	"	88,865	21,796	65,157	16,306
Oils	"	12,351,917	132,229	11,436,801	121,178
Wax	"	44,465	2,237	48,769	3,233
Degras	"	238,699	6,296	137,389	3,694
Tar, tallow, grease, soap, starch, dyes and other chemicals	-	-	44,038	-	18,499
Burlap	Yards	1,525,321	79,765	1,408,541	73,608
All other materials	-	-	60,083	-	65,690
Packing and shipping materials	-	-	28,906	-	25,998
TOTAL COST OF MATERIALS USED					
	-	-	2,451,395	-	2,532,887

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 6. - Capital Invested, 1927-1934.

Year and Provinces	Fixed Capital	Working Capital			Total Capital
	Land, buildings, fixtures, machinery, tools, etc.	Materials on hand, Stocks in process, Fuel and Miscellaneous supplies, etc.	Inventory value of finished products on hand	Cash, bills and accounts receivable, Prepaid expenses, etc.	
	\$	\$	\$	\$	\$
1927	5,965,331	5,401,592		3,523,297	14,890,220
1928	5,346,038	2,627,292		4,200,219	12,173,549
1929	5,354,398	4,253,506		3,458,519	13,066,423
1930	5,274,962	3,274,323		3,732,375	12,281,660
1931	5,300,531	871,603	1,320,258	3,523,792	11,016,184
<u>1 9 3 2</u>					
CANADA	5,085,458	494,200	982,181	3,623,093	10,184,932
Ontario	4,079,870	329,021	846,723	3,434,291	8,689,905
Other Provinces	1,005,588	165,179	135,458	188,802	1,495,027
<u>1 9 3 3</u>					
CANADA	5,073,234	914,468	1,184,981	2,666,579	9,839,262
Ontario	4,080,095	730,968	1,003,616	2,592,411	8,407,090
Other Provinces	993,139	183,500	181,365	74,168	1,432,172
<u>1 9 3 4</u>					
CANADA	4,634,525	1,335,489	1,925,634	2,520,698	10,416,346
Ontario	4,059,159	1,140,316	1,752,367	2,432,661	9,384,503
Other Provinces	575,366	195,173	173,267	88,037	1,031,843

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 7. - Employees by Sex and Remuneration, 1933 and 1934.

		1 9 3 3	1 9 3 4
Salaried Employees -			
Total	No.	108	109
Male	No.	81	81
Female	No.	27	28
Total salaries	\$	263,392	255,014
Wage-earners -			
Monthly average	No.	907	843
Male	No.	614	597
Female	No.	293	246
Total wages	\$	764,068	726,639
All Employees -			
Total	No.	1,015	952
Male	No.	695	678
Female	No.	320	274
Salaries and wages	\$	1,027,460	981,653

Table 8. - Monthly Employment of Wage-earners, 1932-1934.

Months	1 9 3 2			1 9 3 3			1 9 3 4		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	No.								
January	589	275	864	572	287	859	598	266	864
February	598	280	878	579	290	869	605	267	872
March	579	279	858	584	286	870	600	270	870
April	593	272	865	588	276	864	613	266	879
May	592	273	865	595	294	889	608	260	868
June	722	278	1,000	729	286	1,015	614	260	874
July	764	286	1,050	654	279	933	653	260	913
August	597	282	879	630	292	922	531	167	698
September	593	305	898	628	319	947	496	164	660
October	594	296	890	601	322	923	602	265	867
November	591	276	867	595	289	884	614	261	875
December	520	191	711	596	280	876	606	263	869
MONTHLY AVERAGE	611	273	884	614	293	907	597	246	843

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 9. - Number of Wage-earners in Month of Highest Employment and Their Regular Hours of Work in 1933 and 1934.

Number of Hours Worked per Week	Number of Employees		Number of Hours Worked per Week	Number of Employees	
	1933	1934		1933	1934
40 hours or less	45	-	51-53 hours	-	-
41-43 hours	1	-	54 hours	1	-
44 hours	-	-	55 hours	402	74
45-47 hours	21	211	56-59 hours	-	-
48 hours	76	84	60 hours	3	-
49-50 hours	570	571	Over 60 hours	4	-

The above table does not include overtime.

Table 10. - Power Installation, 1933 and 1934.

Classes of Power	1 9 3 3		1 9 3 4	
	Number of Units	Manufacturers' Rating of Horse-power Capacity	Number of Units	Manufacturers' Rating of Horse-power Capacity
Steam engines and steam turbines	1	200	1	200
Hydraulic turbines or water wheels	1	165	-	-
Electric motors operated by purchased power	280	7,270	287	7,315
TOTAL POWER USED IN MANUFACTURING	282	7,635	288	7,515
Boiler installation	17	2,266	12	2,016

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 11. - Consumption of Fuel and Electricity, 1933 and 1934.

Kinds of Fuel	Unit of Measure	1933		1934	
		Quantity	Cost Value at Factory \$	Quantity	Cost Value at Factory \$
Coal -	Ton				
Bituminous	(2000 Lbs.)	5,364	25,440	5,373	25,782
Anthracite	"	-	-	-	-
Coke (for fuel only)	"	12	126	14	150
Fuel and diesel oil	Imp. Gal.	6,194	396	-	-
Other fuel	-	-	80	-	187
TOTAL COST OF FUEL ...	-	-	26,042	-	26,119
Electricity purchased for power (including service charges)	Kw. H.	8,200,467	77,411	7,547,347	78,248
TOTAL COST OF FUEL AND ELECTRICITY	-	-	103,453	-	104,367

Table 12. - Mechanical Equipment, 1933 and 1934.

	1933			1934		
	Total	Active at some time during the year	Idle entire year	Total	Active at some time during the year	Idle entire year
	No.	No.	No.	No.	No.	No.
Spindles which consumed fibre during the year ..	4,231	4,231	-	3,931	3,931	-
Spindles which consumed no fibre during the year ..	74	-	74	262	-	262
Twisting and doubling spindles.	744	744	-	714	714	-
Looms	5	5	-	10	10	-
Braiding machines ..	87	87	-	95	87	8
Rope machines	128	128	-	112	111	1
Winding machines ..	480	480	-	481	481	-
All other	3	3	-	-	-	-
TOTAL	5,752	5,678	74	5,605	5,334	271

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 13. - Imports by Principal Countries, 1933 and 1934.

Articles Imported	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value \$	Quantity	Value \$
Fibrilla, flax fibre and flax tow -					
United States	Cwt.	635	1,091	3,382	4,818
Other Countries	"	23	461	77	1,594
TOTAL	"	658	1,552	3,459	6,412
Hemp, dressed or undressed -					
United Kingdom	Cwt.	350	4,104	-	-
United States	"	5,444	30,881	2,156	20,039
Philippine Islands	"	10,641	30,236	16,011	44,859
Other Countries	"	2,476	7,686	4,306	14,843
TOTAL	"	18,911	72,907	22,473	79,741
Jute and jute butts -					
United States	Cwt.	2,994	10,301	15,676	47,472
TOTAL	"	2,994	10,301	15,676	47,472
Oakum of flax, hemp or jute -					
United Kingdom	Cwt.	996	7,974	1,773	13,305
United States	"	4,846	34,006	6,755	44,210
Sweden	"	1,089	4,868	689	2,780
Other Countries	"	55	406	-	-
TOTAL	"	6,986	47,254	9,217	60,295
Sisal, istle and tampico fibre -					
United Kingdom	Cwt.	9,160	35,398	6,168	25,392
United States	"	416,893	1,297,544	198,908	753,990
British East Africa	"	35,645	99,707	62,346	169,077
British South Africa	"	2,380	7,166	-	-
Belgium	"	12,505	51,710	3,651	13,848
Dutch East Indies	"	89,288	293,128	47,197	156,249
Germany	"	8,017	30,989	1,579	5,054
Hayti	"	-	-	14,047	51,737
Mexico	"	-	-	15,738	56,049
Netherlands	"	2,838	11,781	-	-
Philippine Islands	"	2,744	8,960	1,364	3,931
Other Countries	"	-	-	13,830	12,136
TOTAL	"	579,470	1,836,383	354,828	1,247,463

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 13. - Imports by Principal Countries, 1933 and 1934. - (Cont'd.)

Articles Imported	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
Manila fibre -					
United States	Cwt.	73,755	261,261	59,408	225,197
Philippine Islands	"	40,793	137,521	68,034	226,343
Dutch East Indies	"	4,575	15,594	560	2,311
TOTAL	"	119,123	414,376	128,002	453,851
Vegetable fibres, n.o.p. -					
United Kingdom	Cwt.	456	5,823	814	8,552
United States	"	2,262	18,181	3,870	33,245
Belgium	"	431	4,092	330	3,475
Morocco	"	3,329	5,862	1,133	2,265
Dutch East Indies	"	4,282	17,394	336	1,260
Other Countries	"	1,042	5,677	1,243	6,070
TOTAL	"	11,802	57,029	7,726	54,867
Coir and coir yarn -					
British India	Cwt.	3,796	13,527	6,283	23,093
TOTAL	"	3,796	13,527	6,283	23,093
Rovings, yarns and warps, wholly of cotton, including threads, generally used for sewing, stitching, packaging and other purposes, n.o.p. -					
United Kingdom	Lb.	185,544	73,335	383,908	120,552
United States	"	166,776	71,776	128,476	72,540
France	"	3,755	3,641	1,704	3,482
Germany	"	1,963	2,520	2,532	6,539
Other Countries	"	369	101	639	211
TOTAL	"	358,407	151,373	517,259	203,324
Rovings, yarns and warps, wholly or in part of vegetable fibres, including yarn twist, cords and twine, generally used for packaging and other purposes, n.o.p., not to contain silk, artificial silk nor wool -					
United Kingdom	Lb.	969,282	98,851	652,720	71,575
United States	"	48,589	9,997	59,116	13,433
Italy	"	31,665	5,335	8,263	1,504
Other Countries	"	23,551	2,620	7,576	2,742
TOTAL	"	1,073,087	116,803	727,675	89,254

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 13. - Imports by Principal Countries, 1933 and 1934. - (Cont'd.)

Articles Imported	Unit of Measure	1 9 3 3		1 9 3 4	
		Quantity	Value	Quantity	Value
			\$		\$
Cord and twine, cotton, n.o.p. -					
United Kingdom	Lb.	46,350	8,720	72,365	14,218
United States	"	30,235	10,875	13,639	7,080
Other Countries	"	278	199	104	276
TOTAL	"	76,863	19,794	86,108	21,574
Rovings, yarns and warps, wholly of jute, including yarn twist, cords and twines, generally used for packaging and other purposes, n.o.p. (From June 28, 1934) -					
United Kingdom	Lb.	-	-	251,703	18,892
United States	"	-	-	8,067	623
Other Countries	"	-	-	112	139
TOTAL	"	-	-	259,882	19,654
Sail twine of hemp or flax for the manufacture of boats' and ships' sails -					
United Kingdom	Lb.	20	7	740	246
United States	"	151	47	-	-
Other Countries	"	408	94	-	-
TOTAL	"	579	148	740	246
Binder twine -					
United Kingdom	Cwt.	72,535	476,876	79,208	533,825
United States	"	14	80	400	2,950
Belgium	"	1,390	9,353	913	6,820
Germany	"	-	-	1,740	11,914
Netherlands	"	151,538	794,442	73,902	449,238
Other Countries	"	1	4	2	10
TOTAL	"	225,478	1,280,755	156,165	1,004,757

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 13. - Imports by Principal Countries, 1933 and 1934. - (Cont'd.)

Articles Imported	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
Bank, cod, pollock and mackerel fish lines and mackerel, herring, salmon, seal seine, mullet, net and trawl twine in hanks, coils, barked or not in variety of sizes and threads, including gilling thread in balls; marline and net norsels of cotton, hemp or flax, and fishing nets or seines, when used exclusively for the fisheries, not for sport-man's purposes -					
United Kingdom	-	-	700,429	-	1,014,530
United States	-	-	215,914	-	321,803
France	-	-	11,384	-	6,322
Germany	-	-	41,870	-	9,162
Japan	-	-	19,968	-	65,640
Netherlands	-	-	8,240	-	13,937
Other Countries	-	-	8,019	-	11,445
TOTAL	-	-	1,005,824	-	1,442,839
Cordage, manila, sisal and New Zealand fibre, exceeding one inch in circumference -					
United Kingdom	Lb.	709,854	53,741	654,715	46,832
United States	"	53,530	6,901	6,804	1,015
Other Countries	"	21,600	1,497	1,620	151
TOTAL	"	784,984	62,139	663,139	47,998
Cordage, exceeding one inch in circumference, n.o.p. -					
United Kingdom	Lb.	81,116	12,073	218,030	28,387
United States	"	77,200	7,398	153,017	13,514
Other Countries	"	300	133	878	237
TOTAL	"	158,616	19,604	371,925	42,138

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 13. -- Imports by Principal Countries, 1933 and 1934. - (Concl'd.)

Articles Imported	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
Cordage, head ropes for fishing nets and manila rope, not exceeding 1½ inches in circumference, when used exclusively for the fisheries ..					
United Kingdom	Lb.	574,170	54,991	759,126	73,525
United States	"	158,910	33,056	182,718	43,766
Netherlands	"	107,398	8,350	142,919	12,317
Philippine Islands	"	2,163	204	2,602	290
TOTAL	"	842,641	96,601	1,087,365	129,898

Table 14. - Exports by Principal Countries, 1933 and 1934.

Articles Exported	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
Flax fibre and flax tow -					
United Kingdom	Cwt.	432	1,169	2	12
United States	"	707	1,667	256	1,132
TOTAL	"	1,139	2,836	258	1,144
Binder twine -					
United Kingdom	Cwt.	61,520	291,650	65,037	376,264
United States	"	67,970	316,053	29,160	181,906
British South Africa	"	13,730	67,790	10,760	63,177
Irish Free State	"	7,093	29,949	8,316	50,069
Other Countries	"	-	-	610	3,474
TOTAL	"	150,313	705,442	113,883	674,890

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

Table 14. - Exports by Principal Countries, 1933 and 1934. - (Concl'd.)

Articles Exported	Unit of Measure	1933		1934	
		Quantity	Value	Quantity	Value
			\$		\$
Cordage, rope and twine, n.o.p. -					
United Kingdom	-	-	656	-	127
United States	-	-	173,041	-	6,772
British Guiana	-	-	2,779	-	2,502
British West Indies	-	-	2,873	-	5,849
Newfoundland	-	-	2,703	-	5,987
Argentina	-	-	71,913	-	-
Ecuador	-	-	-	-	5,008
Fiji	-	-	88	-	4,483
Peru	-	-	5,661	-	7,538
Venezuela	-	-	1,923	-	4,128
Other Countries	-	-	1,199	-	3,694
TOTAL	-	-	262,836	-	46,088

A P P E N D I X

Cordage, Rope and Twine Manufacturers Operating in Canada in 1934.

<u>Name of Firm</u>	<u>Location</u>	<u>Products Made</u>
<u>NOVA SCOTIA</u>		
Consumers' Cordage Company Ltd.,	Wyse Road, Dartmouth.	Rope.
<u>QUEBEC</u>		
C. A. Turner Manufacturing Company, Reg'd.,	199 Victoria Street, Sherbrooke.	Cordage.
The C. N. Bolduc Manufacturing Co.,	Lennoxville.	Cordage.
<u>ONTARIO</u>		
The Brantford Cordage Company L'd.,	111 Brant Street, Brantford.	Binder twine.
John S. Brooks,	Dunnville.	Fish nets.
Canadian Fish Net Company Limited,	203 Hardisty Street, Fort William.	Fish nets.
International Harvester Company of Canada, Limited,	Sherman Avenue North, Hamilton.	Binder Twine.
Doon Twines Limited,	33-49 South Street, Kitchener.	Twines, Ropes
Derrett Limited,	6 Bartlett Avenue, Toronto.	Twine, Rope.
Plymouth Cordage Company,	229 Plymouth Road, Welland.	Binder twine, Rope.

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1934.

<u>Name of Firm</u>	<u>Location</u>	<u>Products Made</u>
	<u>BRITISH COLUMBIA</u>	
Canada Western Cordage Company Limited,	Braid Street, New Westminster.	Binder twine, Twine, Rope.

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