

34-203

C.1

C A N A D A

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

REPORT

on the

CORDAGE, ROPE & TWINE INDUSTRY

in

CANADA

1925

Published by authority of the Hon. James Malcolm, M. P.,
Minister of Trade and Commerce

OTTAWA

1926

Historical File Copy

24-503

10

175

10

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA -- CANADA

Dominion Statistician:
Chief, Census of Industry:

R. H. Coats, B.A., F.S.S.(Hon.), F.R.S.C.
J. C. Macpherson.

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1925.

Ottawa, December, 1926:- A report is herewith presented on the Cordage, Rope and Twine Industry in Canada during the calendar year 1925. The number of establishments reporting operations was the same as in former years, viz., 9, of which 5 were in Ontario, 2 in Quebec and 1 in Nova Scotia and 1 in British Columbia. A summary of the principal statistics of the industry compared for the calendar years 1924 and 1925 is given in Table 1.

Table 1.- Principal Statistics compared for 1924 and 1925.

		1 9 2 4	1 9 2 5
Establishments	No.	9	9
Capital investment	\$	9,416,545	9,440,617
Employees on salaries - Male	No.	56	67
Female	No.	22	22
Salaries	\$	156,461	181,717
Employees on wages - average number -			
Male	No.	994	851
Female	No.	287	238
Wages	\$	1,330,241	1,120,084
Cost of Fuel	\$	29,936	24,704
Power installation - Units	No.	132	140
Capacity	H.P.	5,455	5,673
Cost of materials	\$	5,096,892	5,795,287
Gross value of products	\$	8,876,786	8,665,441
Net value of products	\$	3,779,894	2,870,154

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1925.

PRODUCTION

The quantity and value of the products of the industry during the calendar year 1925 is shown by provinces in table 2. To avoid disclosure of information concerning the operations of individual establishments, statistics for the provinces of Nova Scotia, Quebec and British Columbia have been combined and are shown throughout this report as "Other provinces". The total value of production in 1924 was \$8,076,706 whilst for the period covered by this report the amount recorded was \$8,665,441, a net decrease of \$211,345.

Table 2.- Production by provinces, 1925.

Principal products		CANADA		ONTARIO		OTHER PROVINCES x	
		Quantity	Value	Quantity	Value	Quantity	Value
Binder twine:-							
All manila	pound	704,652	119,794	54,652	10,044	650,000	100,750
Chiefly manila	"	7,147,657	981,941	4,658,200	656,642	2,489,457	325,299
All sisal	"	1,418,916	161,584	1,378,916	157,104	40,000	4,400
Chiefly sisal	"	18,790,425	2,147,592	15,317,700	1,765,592	3,472,725	382,000
All other	"	20,163,132	2,403,100	20,163,132	2,403,100	-	-
Twines for sale:-							
All flax	"	5,065	1,972	5,065	1,972	-	-
All hemp	"	388,645	120,089	388,645	120,089	-	-
All cotton	"	85,000	60,000	85,000	60,000	-	-
All jute	"	2,733,592	389,851	1,527,883	233,109	1,205,709	156,742
Flax or hemp mixed with jute	"	265,160	28,203	265,160	28,203	-	-
Rope:-							
Manila	"	7,293,305	1,514,762	2,480,413	449,905	4,812,972	1,064,857
Sisal	"	4,155,251	506,035	1,954,266	269,609	2,200,985	316,346
Hemp	"	5,519	2,176	5,519	2,176	-	-
Jute	"	60,978	8,502	27,068	3,496	33,910	5,006
All other	"	465,004	93,127	33,773	7,937	432,031	85,190
Aero cord	m.ft.	4,035,657	43,922	-	-	4,035,657	43,922
Fishing lines	-	-	7,000	-	7,000	-	-
All other products	-	-	4,711	-	4,711	-	-
TOTALS		-	8,665,441	-	6,180,649	-	2,404,592

x Includes Nova Scotia 1, Quebec 2, British Columbia 1.

CAPITAL INVESTMENT

The capital invested in the industry during the calendar year 1925 is given by provinces in Table 3. The total capitalization showed a slight expansion, the amount in 1924 being \$9,416,545, whilst in 1925 the total reported was \$9,440,617, an increase of \$24,072. Of this total the province of Ontario was accountable for \$7,304,269 or 82.6 per cent, the remaining 17.4 per cent being distributed among the other three provinces.

Table 3.- Capital investment by provinces, 1925.

Provinces	Fixed Capital	Working Capital	Cash, trading and operating accounts, etc.	Total Capital
	Land, buildings, fixtures, machinery and tools	Materials on hand, stocks in process, etc.		
CANADA	\$ 4,011,665	\$ 3,522,409	\$ 1,906,543	\$ 9,440,617
Ontario	3,299,546	2,823,177	1,681,546	7,304,269
Other provinces	712,119	699,232	224,997	1,636,348

EMPLOYEES, SALARIES AND WAGES

The total number of persons employed in the industry during the years 1924 and 1925 is given in Table 4 by (a) classes of employment (b) sex and (c) salary and wage payments. The total number of employees in all classes fell from 1,359 in 1924 to 1,223 in 1925, a decrease of 131. The payroll also showed a corresponding decrease, the total in 1924 being \$1,486,702 whilst for the period covered by this report the amount was \$1,301,301, a decrease of \$184,901.

Table 4.- Employees, salaries and wages, 1924 and 1925.

Classes of employment	1924			1925		
	Male No.	Female No.	Sal. & Wages \$	Male No.	Female No.	Sal. & Wages \$
Employees on salaries	56	22	156,461	67	22	131,717
Employees on wages (average number)	994	267	1,330,241	351	268	1,120,084
TOTALS	1,050	309	1,486,702	918	310	1,301,801

OTHER EMPLOYMENT STATISTICS

The number of days the factories were in operation during the calendar year 1925 together with the number of hours per day and per week normally worked by wage-earners is shown in Table 5. The number of wage earners employed during the same period is given by sex and by months in Table 6. Employment reached its maximum in May with 1,200, whilst the minimum number reported was 1,013 in the month of August.

Table 5.- Days in operation and hours worked, 1925.

Number of Establishments in operation	9	
Number of days in operation on full time	Total 2,549	Average 283.2
Number of days in operation on part time	42	4.7
Number of days idle	145	16.1
Number of hours worked by wage earners per day or shift	12,504	9.4
Number of hours worked by wage earners per week	459	51.0

Table 6.- Wage-earners by months, 1925.

Month	Male No.	Female No.	Month	Male No.	Female No.
January	792	254	July	871	283
February	763	273	August	738	275
March	852	275	September	748	293
April	882	277	October	739	313
May	924	276	November	809	314
June	888	277	December	842	322
Total			9,848		
Average number employed during the year			851		

THE CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1925.

MATERIALS USED

The quantity and cost value of the principal materials used in the industry during the calendar year 1925 is given by provinces in Table 7. The total cost rose from \$5,096,892 in 1924 to \$5,795,287 in 1925, an increase of \$698,395. The most important item was African and other hemp, the cost of which was \$1,770,864, next in order was manila hemp with \$1,665,348 and third place was taken by sisal hemp with \$1,295,982

Table 7.- Materials Used by provinces, 1925.

Principal materials used			CANADA		ONTARIO		OTHER PROVINCES	
			Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
<u>Hard fibres:-</u>	Manila hemp	pound	13,962,757	1,665,348	7,843,006	913,963	6,119,751	751,305
	New Zealand hemp	"	3,096,553	246,641	2,272,378	171,003	824,175	75,638
	African and other hemp	"	20,799,876	1,770,864	16,277,381	1,273,405	4,522,495	497,459
	Sisal hemp	"	15,020,423	1,295,982	13,771,605	1,183,175	1,248,318	112,007
<u>Soft fibres:-</u>	Hemp and hemp tow	"	460,607	73,822	360,063	52,613	100,544	21,209
	Flax and flax tow	"	16,075	5,322	16,075	5,322	-	-
	Jute	"	1,677,933	166,627	1,362,333	138,223	315,600	28,404
	Other fibres and yarns	"	14,681	2,209	14,681	2,209	-	-
<u>Yarns purchased:-</u>	Flax, hemp and jute	"	1,311,736	149,888	327,256	41,596	984,430	108,292
	Cotton	"	127,203	53,806	80,000	35,000	47,203	16,806
Oils		"	6,831,558	156,354	5,006,074	66,258	1,624,684	70,096
All other materials			-	208,424	-	153,980	-	54,444
TOTALS			-	5,795,287	-	4,056,747	-	1,738,540

FUEL STATISTICS.

The quantity and value of the various kinds of fuel consumed in the industry during the calendar year 1925 is shown in Table 8. The total expenditure for all fuel fell from \$29,936 in 1924 to \$24,704 in 1925, a decrease of \$5,232 over the two-year period. Bituminous coal was accountable for \$22,369 or 90.5 per cent of the total fuel costs.

Table 8.- Fuel Consumption, 1925.

Kinds of fuel	Unit of Measure	Quantity	Cost Value \$
Bituminous coal	ton	3,768	22,369
Wood	cord	56	198
Other fuel	-	-	2,137
Total	-	-	24,704

POWER INSTALLATION

The power equipment of the industry for the calendar year 1925 is shown in Table 9 by (a) classes of power, (b) number of units in each class and (c) the horse power capacity according to manufacturers' rating. The total power utilized in 1924 was 152 units with a capacity of 6,238 horse power. The number of units in the following year was 140 with a development of 5,673 horse power, being a decrease of 12 units and 565 horse power.

Table 9.- Power equipment, 1925.

Classes of power	Number of units	Horse power capacity
Steam engines and turbines	2	360
Oil, gas and gasoline engines	1	2
Hydraulic turbines or water wheels	1	165
Total primary power	4	527
Electric motors operated by purchased power	136	5,146
Total power used in manufacturing	140	5,673

CORDAGE, ROPE AND TWINE INDUSTRY IN CANADA, 1925.

IMPORTS AND EXPORTS

The quantity and value of raw, partly manufactured materials and finished products imported into Canada during the calendar year 1925 is given in Table 10.

Table 10.- Imports into Canada for consumption, 1925.

Articles imported	Unit of Measure	UNITED KINGDOM		UNITED STATES		OTHER COUNTRIES	
		Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
Raw Materials:- Fibrilla flax fibre and flax tow	cwt.	4	13	6,152	29,763	660	1,531
Hemp, dressed or undressed	"	62	511	243,363	2,736,220	5,416	50,006
Jute, butts and jute	"	-	-	806	5,479	-	-
Fibre, Mexican, istle or tampico	"	435	6,501	1,512	30,189	707	9,013
Manila grass	"	2	29	40,350	564,371	-	-
Sisal grass	"	22,914	223,220	188,954	1,720,651	55,661	487,664
Partly Manufactured Materials:- Jute or hemp yarn	lb.	2,447,711	312,484	611,036	104,622	188,014	57,530
Manufactured Articles:- Sail twine of hemp or flax	"	2,440	972	209	262	3,023	1,202
Binder twine	"	5,590	789	38,941,030	5,410,016	6,439,974	1,261,016
Fishing lines, n.o.p.	-	-	8,791	-	44,057	-	172
Twines and cordage, all kinds, n.o.p.	lb.	1,497,422	241,090	501,241	163,679	111,015	14,693
Twines, n.o.p.	-	-	36,350	-	15,270	-	345
Cordage cotton, all kinds	lb.	248,471	85,794	125,002	60,761	6,318	3,743
TOTALS		-	916,544	-	10,905,368	-	1,886,917

The quantity and value of partly manufactured materials and finished products of the industry exported during the calendar year 1925 is given by principal countries in Table 11.

Table 11.- Exports by principal countries, 1925.

Articles exported	Unit of Measure	UNITED KINGDOM		UNITED STATES		OTHER COUNTRIES	
		Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
Partly Manufactured Materials:- Flax fibre and flax tow	Cwt.	1,029	15,614	9,545	107,032	934	24,200
Manufactured Articles:- Binder twine	"	13,798	155,344	71,732	935,223	9,947	110,054
Cordage, rope and twine	-	-	23,451	-	4,852	-	99,472
TOTALS		-	194,409	-	1,047,107	-	233,726

CONSUMPTION

The approximate consumption of binder twine in Canada during the calendar years 1923, 1924 and 1925 is given in Table 12.

Table 12. Consumption of binder twine in Canada, 1923, 1924 and 1925.

	1 9 2 3		1 9 2 4		1 9 2 5	
	Quantity Cwt.	Value \$	Quantity Cwt.	Value \$	Quantity Cwt.	Value \$
Production	431,455	4,819,760	574,209	6,698,033	482,247	5,805,011
Imports	539,407	5,743,663	269,594	3,270,706	473,865	6,671,823
Total	970,862	10,563,423	843,803	9,968,739	956,112	12,476,834
Exports	160,432	1,672,700	119,754	1,402,576	95,477	1,200,621
Consumption	810,430	8,890,723	724,049	8,566,163	860,635	11,276,213

APPENDIX

Cordage, Rope and Twine Manufacturers Operating in Canada, 1925

Name of firm	Location	Products made
Consumers' Cordage Company	Wyse Road, Dartmouth, N.S.	Binder twine, rope
Brantford Cordage Company	111 Brant St., Brantford, Ont.	Binder twine
Deen Twines Limited	33-49 South Street, Kitchener, Ont.	Binder twine, rope, twines
Plymouth Cordage Co.	Main Street, Welland, Ont.	Binder twine, rope, twines
Shurley and Derrett Ltd.	1080 Bloor St.W., Toronto, Ont.	Twines
Dominion Twine and Cordage Co.Ltd.	Walkerton, Ont.	Rope, twines
Aero Manufacturing Co. Ltd.	Main St., Lennoxville, Que.	Cordage
Consumers' Cordage Co.Ltd.	287 St.Patrick St., Montreal, Que.	Binder twine, rope, twines
Canada Western Cordage Co. Ltd.	Braid St., New Westminster, B.C.	Binder twine, rope.



1010754575

THE STATISTICAL REPORT OF THE DEPARTMENT OF THE INTERIOR
FOR THE YEAR 1900

CONTENTS

Page	Page	Page	Page	Page	Page
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300
301	302	303	304	305	306
307	308	309	310	311	312
313	314	315	316	317	318
319	320	321	322	323	324
325	326	327	328	329	330
331	332	333	334	335	336
337	338	339	340	341	342
343	344	345	346	347	348
349	350	351	352	353	354
355	356	357	358	359	360
361	362	363	364	365	366
367	368	369	370	371	372
373	374	375	376	377	378
379	380	381	382	383	384
385	386	387	388	389	390
391	392	393	394	395	396
397	398	399	400	401	402
403	404	405	406	407	408
409	410	411	412	413	414
415	416	417	418	419	420
421	422	423	424	425	426
427	428	429	430	431	432
433	434	435	436	437	438
439	440	441	442	443	444
445	446	447	448	449	450
451	452	453	454	455	456
457	458	459	460	461	462
463	464	465	466	467	468
469	470	471	472	473	474
475	476	477	478	479	480
481	482	483	484	485	486
487	488	489	490	491	492
493	494	495	496	497	498
499	500	501	502	503	504
505	506	507	508	509	510
511	512	513	514	515	516
517	518	519	520	521	522
523	524	525	526	527	528
529	530	531	532	533	534
535	536	537	538	539	540
541	542	543	544	545	546
547	548	549	550	551	552
553	554	555	556	557	558
559	560	561	562	563	564
565	566	567	568	569	570
571	572	573	574	575	576
577	578	579	580	581	582
583	584	585	586	587	588
589	590	591	592	593	594
595	596	597	598	599	600
601	602	603	604	605	606
607	608	609	610	611	612
613	614	615	616	617	618
619	620	621	622	623	624
625	626	627	628	629	630
631	632	633	634	635	636
637	638	639	640	641	642
643	644	645	646	647	648
649	650	651	652	653	654
655	656	657	658	659	660
661	662	663	664	665	666
667	668	669	670	671	672
673	674	675	676	677	678
679	680	681	682	683	684
685	686	687	688	689	690
691	692	693	694	695	696
697	698	699	700	701	702
703	704	705	706	707	708
709	710	711	712	713	714
715	716	717	718	719	720
721	722	723	724	725	726
727	728	729	730	731	732
733	734	735	736	737	738
739	740	741	742	743	744
745	746	747	748	749	750
751	752	753	754	755	756
757	758	759	760	761	762
763	764	765	766	767	768
769	770	771	772	773	774
775	776	777	778	779	780
781	782	783	784	785	786
787	788	789	790	791	792
793	794	795	796	797	798
799	800	801	802	803	804
805	806	807	808	809	810
811	812	813	814	815	816
817	818	819	820	821	822
823	824	825	826	827	828
829	830	831	832	833	834
835	836	837	838	839	840
841	842	843	844	845	846
847	848	849	850	851	852
853	854	855	856	857	858
859	860	861	862	863	864
865	866	867	868	869	870
871	872	873	874	875	876
877	878	879	880	881	882
883	884	885	886	887	888
889	890	891	892	893	894
895	896	897	898	899	900
901	902	903	904	905	906
907	908	909	910	911	912
913	914	915	916	917	918
919	920	921	922	923	924
925	926	927	928	929	930
931	932	933	934	935	936
937	938	939	940	941	942
943	944	945	946	947	948
949	950	951	952	953	954
955	956	957	958	959	960
961	962	963	964	965	966
967	968	969	970	971	972
973	974	975	976	977	978
979	980	981	982	983	984
985	986	987	988	989	990
991	992	993	994	995	996
997	998	999	1000	1001	1002

CONTENTS

THE STATISTICAL REPORT OF THE DEPARTMENT OF THE INTERIOR
FOR THE YEAR 1900

Page	Page	Page	Page	Page	Page
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300
301	302	303	304	305	306
307	308	309	310	311	312
313	314	315	316	317	318
319	320	321	322	323	324
325	326	327	328	329	330
331	332	333	334	335	336
337	338	339	340	341	342
343					