

THE ROPE, TWINE AND NET TRADE

INTRODUCTORY

This trade comprises firms that were engaged wholly or mainly in the manufacture of ropes, cordage, twine and nets of hemp, cotton, jute, etc.

Occupiers of workshops were not required to furnish returns in connection with the Import Duties Act Inquiries of 1934 and 1933. The omission of such particulars does not affect seriously the comparability of the figures given in this report. The value of the gross output of these firms in 1935 was £98,000, the net output £45,000 and the number of persons employed 556.

Table I A.—General summary

Particulars	1935	1934	1933	1930	1924
Value of products (Gross output)...	£'000 5,536	£'000 5,265	£'000 4,861	£'000 6,993	£'000 8,325
Cost of materials, fuel and electricity used	3,359	3,165	2,880	4,626	5,687
Amount paid for work given out...	1	2	1	7	19
Net output	2,176	2,098	1,980	2,360	2,619
Average number of persons employed (excluding outworkers) ...	No. 15,276	No. 14,564	No. 14,244	No. 17,035	No. 16,014
Net output per person employed (excluding outworkers)	£ 142	£ 144	£ 139	£ 139	£ 164
Number of returns	139	* }	* {	154	159
Number of establishments...	156			177	*

* Not available.

Table I B.—Firms employing not more than ten persons on the average

Particulars	1935	1930	1924
Number of returns received	No. 197	No. 146	No. 147
Average number of persons employed :—			
Males... ..	710	659	521
Females	219	206	177
Total	929	865	698
Number of firms not making returns	—	23	80

In 1924 the value of the gross output of the small firms making returns was 2.7 per cent. of the total.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
11-24	49	244	92	849	108
25-49	35	382	149	1,258	118
50-99	35	787	276	2,390	115
100-199... ..	24	1,396	537	3,535	152
200-299... ..	6	647	246	1,468	168
300-399... ..	3	476	215	1,058	203
500 and over	4	1,604	661	4,718	140
TOTAL	156	5,536	2,176	15,276	142

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area*	Number of establishments†	Gross output	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
1 { 1935	11	512	227	1,180	192
... .. { 1930	11	639	263	1,139	231
2 { 1935	45	1,312	412	3,172	130
... .. { 1930	41	1,484	443	3,462	128
3 { 1935	11	236	75	534	140
... .. { 1930	9	229	70	559	125
14 { 1935	17	780	305	2,345	130
... .. { 1930	19	1,064	407	2,606	156
15 1935	10	366	159	974	163
17 1935	7	41	18	245	75
Total { 1935	17	407	177	1,219	145
... .. { 1930	21	586	165	1,949	85
4 1935	5	671	258	1,508	171
8 1935	5	38	18	152	119
9 1935	15	304	139	893	155
10 1935	21	331	158	1,134	140
Other areas ... 1935	9	945	407	3,139	130
Total { 1935	55	2,289	980	6,826	144
... .. { 1930	53	2,991	1,012	7,320	138
TOTAL { 1935	156	5,536	2,176	15,276	142
... .. { 1930	154	6,993	2,360	17,035	139

* For particulars see page xviii.

† Number of returns for 1930.

Table IV.—Sub-divisions of the industry

Group	Number of establishments*	Gross output	Value of characteristic products	Net output	Average number of persons employed (excluding out-workers)	Net output per person employed	
					No.	£	
Hemp cordage manufacturing	1935	61	3,745	2,842	1,542	10,005	154
	1930	59	4,715	3,090	1,574	10,681	147
Cotton rope and cordage manufacturing	1935	35	1,029	806	305	2,297	133
	1930	23	936	762	293	1,935	151
Other rope and cordage manufacturing	1935	12	129	106	37	332	112
	1930	19	289	157	92	729	126
Making-up of nets and other manufactures of cordage	1935	48	633	578	292	2,642	111
	1930	53	1,053	980	401	3,690	109
TOTAL	1935	156	5,536	...	2,176	15,276	142
	1930	154	6,993	...	2,360	17,035	139

* Number of returns for 1930.

PRODUCTION

Table V A.—Total make of hard Hemp Yarn*

(including yarn spun and used for further manufacturing purposes in the same works)

Hard hemp yarn	1935		1934
	Quantity	Entries	Quantity
Line yarn :—	Th. cwts.	No.	Th. cwts.
Manila	740.9	28	1,212.9
Empire fibre :—			
Sisal	531.4	23	
New Zealand	23.8	13	
Other	15.7	13	
Total—Line yarn	1,311.8	...	1,212.9
Tow yarn	47.7	18	61.5
TOTAL	1,359.5	...	1,274.4

* For particulars of the total make of soft hemp yarn see the Linen and Hemp Trade (page 131).

The whole of the output given in the preceding table was recorded by firms whose returns were made on schedules for the Rope, Twine and Net Trade.

Table V B.—Principal products made for sale

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
Hard hemp yarn :—	Th. cwts.	£'000	No.	Th. cwts.	£'000
Line :—					
Manila	7.4	9	9	10.6	13
Sisal	5.8	8	6		
Other descriptions	2.5	3	4		
Total—Line	15.7	20	...	10.6	13
Tow	1.8	2	4	5.1	7
TOTAL—Hard hemp yarn...	17.5	22	...	15.7	20
Cordage, cables, ropes and twine :—					
Under ¼ inch diameter :—					
Of hard hemp :—					
Binder and reaper twine :—					
Manila	15.2	25	6	293.5	457
Sisal	293.7	435	15		
Other twine :—					
Manila	68.3	185	11	169.2	383
Empire fibre :—					
Sisal...	137.9	227	15		
New Zealand	0.9	2	3		
Other	4.3	7	...		
Ropes, cords and lines :—					
Manila	50.0	76	19	186.9	279
Empire fibre :—					
Sisal...	102.0	155	16		
New Zealand	11.3	16	8		
Other and unclassified	20.1	29	7		
Total—Cordage, etc., of hard hemp	703.7	1,157	...	649.6	1,119
Of soft hemp :—					
Twine	145.5	613	106	145.1	591
Ropes, cords and lines	17.6	116	33	16.5	90
Total—Cordage, etc., of soft hemp	163.1	729	...	161.6	681
TOTAL—Twine, ropes, cords and lines, of hemp	866.8	1,886	...	811.2	1,800
Other twine :—					
Of cotton	158.9	706	47	144.0	657
Of jute	71.1	149	39	77.7	159
Of flax	21.4	167	26	18.7	120
Of other materials	5.4	32	5	10.2	74
Other ropes, cords and lines :—					
Of cotton	4.6	42	13	3.7	35
Of jute	17.5	27	12	13.3	21
Of other materials	0.2	6	4	1.0	5
TOTAL—Twine, ropes, cords and lines of materials other than hemp	279.1	1,129	...	268.6	1,071
TOTAL—Cordage, etc., under ¼ inch diameter	1,145.9	3,015	...	1,079.8	2,871

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
Cordage, cables, ropes and twine :— <i>cont.</i>	Th. cwts.	£'000	No.	Th. cwts.	£'000
Of ¼ inch diameter and over :—					
Of hard hemp :—					
Manila	598.1	916	30	603.3	899
Empire fibre :—					
Sisal	16.7	25	19		
New Zealand	5.6	9	7		
Other and unclassified	36.0	50	9		
Of soft hemp	35.6	170	47	35.7	166
Of cotton	44.7	264	40	45.6	264
Of jute	71.3	100	41	60.2	84
Of flax	0.4	1	4	39.3	26
Of other materials... ..	52.0	34	24		
TOTAL—Cordage, etc., of ¼ inch diameter and over	860.4	1,569	...	784.1	1,439
TOTAL—Cordage, cables, ropes and twine	2,006.3	4,584	...	1,863.9	4,310
Manufactures of cordage :—					
Nets and netting* :—					
Of hemp	75.6	418	45	48.6	268
Of cotton	17.9	257	23	13.6	222
Of flax	5.2	150	11	6.6	171
TOTAL—Nets and netting	98.7	825	...	68.8	661
Other manufactures of cordage {	1.6	10	6	—	—
... ..	...	5	5		
Total—Manufactures of cordage of {	100.3	835	...	68.8	661
... ..	...	5	...		
Work done for the trade :—					
Fixing and splicing of driving ropes ... ..	...	14†	37	...	16†
Other work done, including repair work ... ..	...	5†	14		
TOTAL—PRINCIPAL PRODUCTS	...	5,465	...	...	5,007

* The 1935 figures include the following output of cordage manufactures returned by occupiers of workshops, or by firms making returns on schedules for trades not covered in 1934 (see introductory paragraph, page 226).

	Th. cwts.	£'000
Nets :—		
Of hemp	15.3	79
Of cotton and other materials	0.9	15
Other manufactures of cordage ... ..	...	15
Total ... ..	...	109

† Amount received.

The figures shown in the preceding table include the following output recorded by firms whose returns were made on schedules for other trades and are not, therefore, included in Table I A.

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Cordage, cables, ropes and twine :—					
Under ¼ inch diameter :—					
Of hard hemp (other than binder and reaper twine)	—	—	—	4.3	26
Of soft hemp :—					
Twine	12.8	80	12	3.7	17
Ropes, cords and lines	0.2	2	2	—	—
Other twine :—					
Of cotton	1.3	12	5	1.7	14
Of jute	37.8	68	6	36.0	69
Of flax	17.4	139	12	12.6	86
Of other materials	5.2	30	3	9.1	66
Other ropes, cords and lines :—					
Of cotton	0.3	3	1	—	—
Of jute	1.1	2	1	—	—
Of flax	0.1	5	1	—	—
Of ¼ inch diameter and over :—					
Of soft hemp	0.4	1	1	0.1	1
Of cotton	0.5	3	1	0.2	1
Of jute	11.5	12	4	13.4	14
Of flax	0.3	1	1	18.8	8
Of other materials... ..	30.2	15	7		
Nets and netting :—					
Of hemp	1.4	8	3	0.2	2
Of cotton	0.3	3	1	0.3	3
Of flax... ..	2.9	67	2	3.1	68
Other manufactures of cordage ... ..	...	5	5	—	—
TOTAL ... ..	...	456	...	...	375

Table V C.—Output for sale of certain principal products, 1924-1935

Kind of output	1924	1930	1933	1934	1935
Cordage, cables, ropes and twine:—					
Under ¼ inch diameter:—					
Of hard hemp:—					
Binder and reaper twine	{ Th. cwts. 355.7 £'000 969	200.4 497	273.2 412	293.5 457	308.9 460
Other twine, ropes, cords and lines ...	{ Th. cwts. 364.7 £'000 1,641	191.6 537	334.7 592	356.1 662	394.8 697
Of soft hemp ...	{ Th. cwts. 167.6 £'000 776	161.9 776	161.9 663	161.6 681	163.1 729
Total—Of hemp	{ Th. cwts. 720.4 £'000 2,610	559.6 1,810	769.8 1,667	811.2 1,800	866.8 1,886
Of cotton ...	{ Th. cwts. 115.2 £'000 717	115.2 717	144.8 613	147.7 692	163.5 748
Of jute ...	{ Th. cwts. 202.8 £'000 1,377	82.7 224	75.7 169	91.0 180	88.6 176
Of other materials (including flax)	{ Th. cwts. 13.7 £'000 68	13.7 68	53.8* 232*	29.9 199	27.0 205
TOTAL—Cordage, etc., under ¼ inch diameter	{ Th. cwts. 923.2 £'000 3,987	771.2 2,819	1,044.1 2,681	1,079.8 2,871	1,145.9 3,015
Of ¼ inch diameter and over:—					
Of hard hemp ...	{ Th. cwts. 746.7 £'000 1,742	746.7 1,742	540.6 851	603.3 899	656.4 1,000
Of soft hemp ...	{ Th. cwts. 74.1 £'000 293	74.1 293	30.6 131	35.7 166	35.6 170
Total—Of hemp	{ Th. cwts. 760.7 £'000 2,182	820.8 2,035	571.2 982	639.0 1,065	692.0 1,170
Of cotton ...	{ Th. cwts. 72.4 £'000 624	47.4 288	46.5 257	45.6 264	44.7 264
Of jute ...	{ Th. cwts. 68.4 £'000 133	68.4 133	50.9 76	60.2 84	71.3 100
Of other materials (including flax)...	{ Th. cwts. 194.4 £'000 517	40.5 55	19.2 17	39.3 26	52.4 35
TOTAL—Cordage, etc., of ¼ inch diameter and over ...	{ Th. cwts. 1,027.5 £'000 3,323	977.1 2,511	687.8 1,332	784.1 1,439	860.4 1,569
TOTAL—Cordage, cables, ropes and twine ...	{ Th. cwts. 1,950.7 £'000 7,310	1,748.3 5,330	1,731.9 4,013	1,863.9 4,310	2,006.3 4,584
All other principal products ...	£'000 1,079	1,204	644	697	881
TOTAL—PRINCIPAL PRODUCTS	£'000 8,389	6,534	4,657†	5,007†	5,465

* Including 24,500 cwts. (£47,000) of ropes, cords and lines of unclassified materials.

† Exclusive of the output of workshops (see introductory paragraph, page 226).

Table VI.—Average values of goods produced, exported and imported

Kind of goods	Production (at factory)		1935 as a percentage of 1934	Exports (f.o.b.)		Imports (c.i.f.)	
	Average value			Average value		Average value	
	1935	1934	1935	1934	1935	1934	
	£ per cwt.	£ per cwt.	Per cent.	£ per cwt.	£ per cwt.	£ per cwt.	£ per cwt.
Hard hemp yarn:—							
Line ...	1.28	1.26	101.9	*	*	*	*
Tow ...	1.23	1.27	96.5	*	*	*	*
Cordage, cables, ropes and twine:—							
Under ¼ inch diameter:—							
Of hemp:—							
Binder and reaper twine ...	1.49	1.56	95.4	1.42	1.49	1.37	1.35
Other twine:—							
Of hard hemp...	1.99	2.26	88.0	*	*	*	*
Of soft hemp ...	4.22	4.08	103.3	*	*	*	*
Other twine of hemp ...	2.90	3.10	93.5	5.24	4.62	2.13	1.74
Ropes, cords and lines:—							
Of hard hemp...	1.51	1.49	101.2	*	*	*	*
Of soft hemp ...	6.60	5.47	120.6	*	*	*	*
Ropes, cords and lines of hemp ...	1.95	1.82	107.1	3.07	2.88	1.71	1.50
Of cotton:—							
Twine ...	4.44	4.56	97.4	*	*	*	*
Ropes, cords and lines ...	9.00	9.52	94.6	*	*	*	*
Twine, ropes, etc., of cotton	4.57	4.69	97.4	6.09	5.84	6.72	5.53
Of other materials:—							
Jute:—							
Twine ...	2.09	2.04	102.5	*	*	*	*
Ropes, cords and lines ...	1.51	1.56	96.8	*	*	*	*
Other materials (including flax):—							
Twine ...	7.42	6.73	110.3	*	*	*	*
Twine, ropes, etc., of jute and other materials ...	3.29	3.13	105.1	6.14	6.05	1.40	1.44

Kind of goods	Production (at factory)			Exports (f.o.b.)		Imports (c.i.f.)	
	Average value		1935 as a percentage of 1934	Average value		Average value	
	1935	1934		1935	1934	1935	1934
Cordage, cables, ropes and twine:— <i>cont.</i>	£	£	Per cent.	£	£	£	£
Of ½ inch diameter and over:—	per cwt.	per cwt.		per cwt.	per cwt.	per cwt.	per cwt.
Of manila and other hard hems ...	1.52	1.49	102.3	*	*	*	*
Of Italian and other soft hems ...	4.78	4.64	102.9				
Of hemp ...	1.69	1.67	101.3	1.73	1.70	1.88	2.01
Of cotton ...	5.92	5.80	102.0	6.81	6.43	8.61	7.36
Of jute ...	1.40	1.39	101.0	*	*	*	*
Of other materials...	0.64	0.65	99.0				
Of jute and other materials...	1.13	1.10	102.7	2.42	2.27	0.91	1.04
Nets and netting:—							
Of hemp ...	5.53	5.51	100.4	*	*	*	*
Of cotton ...	14.44	16.46	87.7				
Of flax ...	28.70	25.95	110.6				
Of all materials ...	8.37	9.61	87.1	13.53	14.47	2.49	2.52

* Not recorded.

Table VII.—Volume of Production, 1924-1935

Kind of output	Total production			Production index (1935=100)			
	1935 as returned	1934		1924	1930	1933	1934
		As returned	At 1935 average values				
	£'000	£'000	£'000	Per cent.	Per cent.	Per cent.	Per cent.
Hard hemp yarn ...	22	20	20	*	*	87	91
Cordage, cables, ropes and twine:—							
Under ½ inch diameter:—							
Of hemp:—							
Binder and reaper twine ...	460	457	436	115	65	88	95
Other twine, ropes, etc.:—							
Of hard hemp...	697	662	619	65	48	84	89
Of soft hemp ...	729	681	720				
Of other materials:—				73	77	100	91
Of cotton...	748	692	677				
Of jute ...	176	180	183				
Of other materials (including flax)	205	199	251				105
Of ½ inch diameter and over:—							122
Of hard hemp ...	1,000	899	920	110	114	82	92
Of soft hemp ...	170	166	171				
Of cotton ...	264	264	269	162	106	104	102
Of jute... ...	100	84	85				
Of other materials...	35	26	26	156	97	71	85
Work done for the trade	19	16	16				
				100	98	99	84
Total of the above ...	4,625	4,346	4,393	92	91	91	95
Nets and netting of all materials, and other manufactures of cordage	840	661	724	69	110	67†	99†
TOTAL ...	5,465	5,007	5,117	88	94	88†	96†

* Separate particulars in respect of hard hemp yarn are not available. Hemp yarn of all kinds was classified as a principal product of the Linen and Hemp Trade in these years.

† Owing to the exclusion from 1933 and 1934 of the occupiers of workshops, the 1935 base figure has been adjusted in calculating this index (see introductory paragraph, page 226).

Table VIII.—Production in relation to Exports and Imports

Kind of goods	Production	Exports	Proportion of production exported	Retained imports	Share of home market held by British goods	
					Available for use in the United Kingdom	Per cent.
	Th. cwts.	Th. cwts.	Per cent.	Th. cwts.	Th. cwts.	Per cent.
Hemp yarn* :—						
Line	{ 1935 1,368.0	7.3	0.5	5.8	1,366.5	99.6
	{ 1934 1,273.1	8.1	0.6	8.4	1,273.4	99.3
Tow	{ 1935 266.3	3.5	1.3	30.5	293.3	89.6
	{ 1934 283.5	3.0	1.1	26.3	306.8	91.4
Cordage, cables, ropes and twine :—						
Under ¼ inch in diameter :—						
Of hemp :—						
Binder and reaper twine	{ 1935 308.9	129.0	41.8	78.5	258.4	69.6
	{ 1934 293.5	107.7	36.7	71.7	257.5	72.2
Other twine ...	{ 1935 356.9	29.6	8.3	28.0	355.3	92.1
	{ 1934 314.3	36.9	11.7	42.1	319.5	86.8
Ropes, cords and lines	{ 1935 201.0	18.7	9.3	1.2	183.5	99.4
	{ 1934 203.4	19.9	9.8	3.4	186.9	98.2
Total—Of hemp	{ 1935 866.8	177.3	20.5	107.7	797.2	86.5
	{ 1934 811.2	164.5	20.3	117.2	763.9	84.7
Of cotton ...	{ 1935 163.5	38.3	23.4	0.2	125.4	99.9
	{ 1934 147.7	35.5	24.1	0.2	112.4	99.8
Of other materials ...	{ 1935 115.6	26.2	22.7	9.0	98.4	90.8
	{ 1934 120.9	24.6	20.3	8.8	105.1	91.6
Total—Cordage, etc., under ¼ inch in diameter...	{ 1935 1,145.9	241.8	21.1	116.9	1,021.0	88.5
	{ 1934 1,079.8	224.6	20.8	126.2	981.4	87.1
Of ¼ inch diameter and over :—						
Of hemp ...	{ 1935 692.0	165.7	24.0	3.2	529.5	99.4
	{ 1934 639.0	163.0	25.5	4.2	480.2	99.1
Of cotton ...	{ 1935 44.7	9.3	20.8	0.2	35.6	99.4
	{ 1934 45.6	8.3	18.1	0.2	37.5	99.5
Of other materials ...	{ 1935 123.7	7.4	6.0	3.3	119.6	97.2
	{ 1934 99.5	6.7	6.7	2.5	95.3	97.3
Total—Cordage, etc., of ¼ inch in diameter and over...	{ 1935 860.4	182.4	21.2	6.7	684.7	99.0
	{ 1934 784.1	178.0	22.7	6.9	613.0	98.9
TOTAL—Cordage, cables, ropes and twine ...	{ 1935 2,006.3	424.2	21.3	123.6	1,705.7	92.8
	{ 1934 1,863.9	402.6	21.6	133.1	1,594.4	91.7
Nets and netting...	{ 1935 98.7	23.5	23.8	2.0	77.2	97.4
	{ 1934 68.8†	21.5	...	2.0	...	...

* Including soft hemp yarn (see footnote (*) to Table V A).

† See footnote (*) to Table V B.

Table IX.—Other output of the Rope, Twine and Net Trade

The value of the gross output of the firms whose returns were made on schedules for the Rope, Twine and Net Trade was £5,536,000 in 1935 and £5,265,000 in 1934, of which £5,009,000 in 1935 and £4,632,000 in 1934 consisted of products included in Table V B. Particulars of the remaining items are shown below.

Kind of output	1935		1934	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Soft hemp yarn :—				
Line	1.5	7	1.2	5
Tow	14.6	35	12.7	31
Wire cables and rope	Th. tons 1.8	81	Th. tons 5.8	253
Made-up canvas goods, bags, etc. ...	...	71	...	67
Other textile manufactures (including cotton yarn) ... ..	...	319	...	261
Other goods made ... ..	...	6	...	9
Waste products sold ... ..	...	8	...	7
TOTAL ... ..	...	527	...	633

MATERIALS AND FUEL

Table X A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	1935		1934	
	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000
Hard hemp :—				
Manila	705.7	545	1,201.9	946
Empire fibre :—				
Sisal	543.4	436		
New Zealand	24.1	16		
Other	15.5	12		
Soft hemp :—				
True hemp	73.2	175	78.6	160
Indian hemp	89.0	83	60.6	53
Cotton yarn	194.0	655		
Hemp yarn	68.2	234		
Twine :—				
Of hemp	51.4	140		
Of cotton	17.0	113		
Fuel and electricity used for all purposes :—	Th. tons			
Coal	46.0	46	...	2,006
Coke	1.8	2		
Heavy fuel oil	Th. galls. 158	3		
Purchased electricity	Th.B.T.U. (Kw.-hrs.) 20,795	68		
All other purchased materials and fuel...	...	831		
TOTAL ... ..	...	3,359	...	3,165

Table X B.—Consumption of coal, coke and electricity in 1935 and 1930

Kind of fuel	1935	1930*
	Th. tons	Th. tons
Coal	46.0	38.4
Coke... ..	1.8	1.7
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Electricity :—		
Generated in same works	671	1,637
Purchased	20,795	11,204
Total electricity consumed	21,466	12,841

* Great Britain only.

EMPLOYMENT

Table XI A.—Average numbers employed in 1935 and 1934

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
	Operatives (average for the year)	1,190	4,514	2,886	9,442	4,076	13,956
Administrative, technical and clerical staff*	67	868	69	452	136	1,320
TOTAL	1,257	5,382	2,955	9,894	4,212	15,276†
Average number of out-workers... ..	31		643		674	
	36		563		599	

* As at 12th October, 1935, and 13th October, 1934.

† The total comparable with that for 1934 is 14,720.

Table XI B.—Operatives employed in one week in each month of 1934 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid-week of*	Operatives employed		Monthly index†		
	1934	1935	1933	1934	1935
January	6,027	7,783	91.3	94.4	98.2
February	6,209	7,771	94.8	97.2	98.1
March	6,175	7,718	95.9	96.7	97.4
April	6,209	7,852	91.6	97.2	99.1
May	6,115	7,958	94.8	95.8	100.4
June	6,122	7,841	92.1	95.9	98.9
July	6,178	7,868	92.4	96.7	99.3
August	5,970	7,995	93.2	93.2	100.9
September	5,915	7,933	90.8	92.6	100.1
October	5,970	7,981	90.9	93.5	100.7
November... ..	5,914	8,180	92.0	92.6	103.2
December	5,956	8,214	93.1	93.3	103.6
Average for the twelve months	6,063	7,925	92.7	94.9	100.0
Proportion of total operatives represented	45.76	56.79	...	...	...

* For the ending date of each week see page xiv.

† Based on the estimated average for the year 1935.

Table XI C.—Average numbers employed, 1924-1935

Year	Operatives	Administrative, technical and clerical staff	Total (excluding outworkers)
1924	14,716	1,298	16,014
1930	15,660	1,375	17,035
1933	12,941	1,303	14,244*
1934	13,250	1,314	14,564*
1935	13,956	1,320	15,276

* These figures are defective (see introductory paragraph, page 226)

WAGES

Table XII.—Wages paid by firms furnishing returns of wages in 1935 and 1930

The aggregate amount of wages paid by firms furnishing returns of wages was £612,000 in 1935 representing 45.9 per cent. of the net output of these firms, the corresponding figures for 1930 being £497,000 and 46.0 per cent. The figures for these firms given below indicate the size of the sample and the extent to which it is representative.

Firms furnishing returns of wages	1935		1930*	
	Aggregate	Proportion of trade	Aggregate	Proportion of trade
	£'000	Per cent.	£'000	Per cent.
Gross output... ..	3,429	61.9	3,108	49.9
Net output	1,334	61.3	1,081	52.4
	No.		No.	
Operative staff employed :—				
During mid-week of October :—				
Males	2,871	63.3	} †	†
Females... ..	5,746	60.5		
Total	8,617	61.4	6,690	50.8
Average for the year	8,566	61.4	6,811	50.0
Administrative, technical and clerical staff	870	65.9	†	†
Number of establishments	69	44.2	...	...

* Great Britain only.

† Not recorded separately.

COUNTRY TABLES (1935)

Note.—The figures given in the following tables relate only to firms whose returns were made on schedules for the Rope, Twine and Net Trade.

Owing to the possible disclosure of information relating to individual firms, separate particulars for Northern Ireland cannot be given.

Table I.—General summary

Particulars	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Value of products (Gross output) ...	£'000	4,350	1,186	5,536
Cost of materials, fuel and electricity used	"	2,655	704	3,359
Amount paid for work given out	"	1	—	1
Net output	"	1,694	482	2,176
Average number of persons employed (excluding outworkers)	No.	11,712	3,564	15,276
Net output per person employed (excluding outworkers)	£	145	135	142
Number of returns	No.	109	30	139
Number of establishments	"	122	34	156

Table II A.—Total make of the undermentioned descriptions of yarn (including yarn spun and used for further manufacturing purposes in the same works)

Kind of yarn	England and Wales and Northern Ireland	Scotland	United Kingdom
Hard hemp yarn :—	Th. cwts.	Th. cwts.	Th. cwts.
Hemp line :—			
Manila	546.4	194.5	740.9
Empire fibre :—			
Sisal	493.8	37.6	531.4
New Zealand	*	*	23.8
Other	*	*	15.7
Total	1,073.2	238.6	1,311.8
Hemp tow	43.0	4.7	47.7
TOTAL—Hard hemp yarn	1,116.2	243.3	1,359.5
Soft hemp yarn :—			
Hemp line	11.1	2.6	13.7
Hemp tow	107.7	18.5	126.2
TOTAL—Soft hemp yarn	118.8	21.1	139.9
Flax yarn	*	*	25.0
Cotton yarn	1,010.8	—	1,010.8

* Owing to the possible disclosure of information relating to individual firms, particulars can only be given for the United Kingdom as a whole.

Table II B.—Output for sale

Kind of output	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Hard hemp yarn :—				
Line :—				
Manila	<i>Th. cwts.</i>	*	*	7.4
	<i>£'000</i>	*	*	9
Sisal	<i>Th. cwts.</i>	*	*	5.8
	<i>£'000</i>	*	*	8
Other descriptions	<i>Th. cwts.</i>	2.5	—	2.5
	<i>£'000</i>	3	—	3
Total—Line	<i>Th. cwts.</i>	*	*	15.7
	<i>£'000</i>	*	*	20
Tow	<i>Th. cwts.</i>	1.8	—	1.8
	<i>£'000</i>	2	—	2
TOTAL—Hard hemp yarn	<i>Th. cwts.</i>	*	*	17.5
	<i>£'000</i>	*	*	22
Cordage, cables, ropes and twine :—				
Under ¼-inch diameter :—				
Of hard hemp :—				
Binder and reaper twine :—				
Manila	<i>Th. cwts.</i>	*	*	15.2
	<i>£'000</i>	*	*	25
Sisal	<i>Th. cwts.</i>	*	*	293.7
	<i>£'000</i>	*	*	435
Other twine :—	<i>Th. cwts.</i>	*	*	68.3
Manila	<i>£'000</i>	*	*	185
Empire fibre :—	<i>Th. cwts.</i>	*	*	137.9
Sisal	<i>£'000</i>	*	*	227
New Zealand	<i>Th. cwts.</i>	0.9	—	0.9
	<i>£'000</i>	2	—	2
Other... ..	<i>Th. cwts.</i>	*	*	4.3
	<i>£'000</i>	*	*	7
Ropes, cords and lines :—	<i>Th. cwts.</i>	41.7	8.3	50.0
Manila	<i>£'000</i>	62	14	76
Empire fibre :—	<i>Th. cwts.</i>	95.5	6.5	102.0
Sisal	<i>£'000</i>	145	10	155
New Zealand	<i>Th. cwts.</i>	*	*	11.3
	<i>£'000</i>	*	*	16
Other and unclassified	<i>Th. cwts.</i>	*	*	20.1
	<i>£'000</i>	*	*	29
Total—Cordage, etc., of hard hemp	<i>Th. cwts.</i>	647.9	55.8	703.7
	<i>£'000</i>	1,054	103	1,157
Of soft hemp :—	<i>Th. cwts.</i>	119.5	13.2	132.7
Twine	<i>£'000</i>	490	43	533
Ropes, cords and lines... ..	<i>Th. cwts.</i>	10.1	7.3	17.4
	<i>£'000</i>	84	30	114
Total—Cordage, etc., of soft hemp	<i>Th. cwts.</i>	129.6	20.5	150.1
	<i>£'000</i>	574	73	647
TOTAL—Twine, ropes, cords and lines of hemp	<i>Th. cwts.</i>	777.5	76.3	853.8
	<i>£'000</i>	1,628	176	1,804

Kind of output	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Cordage, cables, ropes and twine :— <i>cont.</i>				
Under ¼-inch diameter :— <i>cont.</i>				
Other twine :—				
Of cotton	<i>Th. cwts.</i>	147.5	10.1	157.6
	<i>£'000</i>	635	59	694
Of jute	<i>Th. cwts.</i>	22.4	10.9	33.3
	<i>£'000</i>	62	19	81
Of flax	<i>Th. cwts.</i>	4.0	—	4.0
	<i>£'000</i>	28	—	28
Of other materials	<i>Th. cwts.</i>	*	*	0.2
	<i>£'000</i>	*	*	2
Other ropes, cords and lines :—				
Of cotton	<i>Th. cwts.</i>	*	*	4.3
	<i>£'000</i>	*	*	39
Of jute	<i>Th. cwts.</i>	0.7	15.7	16.4
	<i>£'000</i>	3	22	25
Of other materials	<i>Th. cwts.</i>	0.1	—	0.1
	<i>£'000</i>	1	—	1
TOTAL—Twine, ropes, cords and lines of materials other than hemp	<i>Th. cwts.</i>	178.6	37.3	215.9
	<i>£'000</i>	766	104	870
TOTAL—Cordage, etc., under ¼-inch diameter	<i>Th. cwts.</i>	956.1	113.6	1,069.7
	<i>£'000</i>	2,394	280	2,674
Of ¼-inch diameter and over :—				
Of hard hemp :—				
Manila	<i>Th. cwts.</i>	419.9	178.2	598.1
	<i>£'000</i>	651	265	916
Empire fibre :—	<i>Th. cwts.</i>	11.5	5.2	16.7
Sisal	<i>£'000</i>	17	8	25
New Zealand... ..	<i>Th. cwts.</i>	5.6	—	5.6
	<i>£'000</i>	9	—	9
Other and unclassified... ..	<i>Th. cwts.</i>	*	*	36.0
	<i>£'000</i>	*	*	50
Of soft hemp	<i>Th. cwts.</i>	27.9	7.3	35.2
	<i>£'000</i>	143	26	169
Of cotton	<i>Th. cwts.</i>	*	*	44.2
	<i>£'000</i>	*	*	261
Of jute	<i>Th. cwts.</i>	31.0	28.8	59.8
	<i>£'000</i>	56	32	88
Of flax	<i>Th. cwts.</i>	0.1	—	0.1
	<i>£'000</i>	†	—	†
Of other materials	<i>Th. cwts.</i>	*	*	21.8
	<i>£'000</i>	*	*	19
TOTAL—Cordage, etc., of ¼-inch diameter and over	<i>Th. cwts.</i>	593.4	224.1	817.5
	<i>£'000</i>	1,195	342	1,537
TOTAL—Cordage, cables, ropes and twine	<i>Th. cwts.</i>	1,549.5	337.7	1,887.2
	<i>£'000</i>	3,589	622	4,211

Kind of output.	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Cordage, cables, ropes and twine— <i>cont.</i>				
Manufactures of cordage :—				
Nets and netting :—				
Of hemp	<i>Th. cwts.</i>	63.9	10.3	74.2
	<i>£'000</i>	354	56	410
Of cotton	<i>Th. cwts.</i>	8.0	9.6	17.6
	<i>£'000</i>	113	141	254
Of flax	<i>Th. cwts.</i>	*	*	2.3
	<i>£'000</i>	*	*	83
Other	<i>Th. cwts.</i>	*	*	1.6
	<i>£'000</i>	*	*	10
TOTAL—Manufactures of cordage	<i>Th. cwts.</i>	73.8	21.9	95.7
	<i>£'000</i>	500	257	757
Soft hemp yarn :—				
Line	<i>Th. cwts.</i>	1.5	—	1.5
	<i>£'000</i>	7	—	7
Tow	<i>Th. cwts.</i>	*	*	14.6
	<i>£'000</i>	*	*	35
Wire, cables and rope	<i>Th. cwts.</i>	1.5	0.3	1.8
	<i>£'000</i>	68	13	81
Made-up canvas goods, bags, etc.	<i>£'000</i>	2	69	71
Other textile manufactures	<i>£'000</i>	315	4	319
Other goods made	<i>£'000</i>	5	1	6
Waste sold :—				
Of hard hemp	<i>Th. cwts.</i>	7.4	1.5	8.9
	<i>£'000</i>	1	†	1
Of soft hemp... ..	<i>Th. cwts.</i>	3.0	—	3.0
	<i>£'000</i>	2	—	2
Other... ..	<i>Th. cwts.</i>	4.5	—	4.5
	<i>£'000</i>	5	—	5
Fixing and splicing of driving ropes	<i>£'000</i>	14‡	—	14‡
Other work done, including repair work	<i>£'000</i>	4‡	1‡	5‡
TOTAL—VALUE OF GOODS MADE AND WORK DONE	<i>£'000</i>	4,350	1,186	5,536

* Owing to the possible disclosure of information relating to individual firms, separate particulars cannot be given.

† Less than £500.

‡ Amount received.

Table III A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Hard hemp :—				
Manila	<i>Th. cwts.</i>	512.0	193.7	705.7
	<i>£'000</i>	400	145	545
Empire fibre :—				
Sisal	<i>Th. cwts.</i>	507.5	35.9	543.4
	<i>£'000</i>	392	44	436
New Zealand	<i>Th. cwts.</i>	21.4	2.7	24.1
	<i>£'000</i>	14	2	16
Other... ..	<i>Th. cwts.</i>	*	*	15.5
	<i>£'000</i>	*	*	12
Soft hemp :—				
True hemp	<i>Th. cwts.</i>	68.1	5.1	73.2
	<i>£'000</i>	162	13	175
Indian hemp... ..	<i>Th. cwts.</i>	*	*	89.0
	<i>£'000</i>	*	*	83
Cotton yarn	<i>Th. cwts.</i>	187.2	6.8	194.0
	<i>£'000</i>	630	25	655
Hemp yarn	<i>Th. cwts.</i>	55.1	13.1	68.2
	<i>£'000</i>	193	41	234
Twine :—				
Of hemp	<i>Th. cwts.</i>	42.9	8.5	51.4
	<i>£'000</i>	119	21	140
Of cotton	<i>Th. cwts.</i>	7.4	9.6	17.0
	<i>£'000</i>	53	60	113
Fuel and electricity used for all purposes :—				
Coal	<i>Th. tons</i>	29.8	16.2	46.0
	<i>£'000</i>	33	13	46
Coke	<i>Th. tons</i>	1.8	—	1.8
	<i>£'000</i>	2	—	2
Heavy fuel oil	<i>Th. galls.</i>	158	—	158
	<i>£'000</i>	3	—	3
Purchased electricity	<i>Th. B.T.U. (Kw.-hrs.)</i>	18,633	2,162	20,795
	<i>£'000</i>	59	9	68
All other purchased materials and fuel	<i>£'000</i>	518	313	831
TOTAL	<i>£'000</i>	2,655	704	3,359

* Owing to the possible disclosure of information relating to individual firms particulars can only be given for the United Kingdom as a whole.

Table III B.—Consumption of electricity

Electricity consumed	England and Wales and Northern Ireland	Scotland	United Kingdom
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works	661	10	671
Purchased	18,633	2,162	20,795
Total	19,294	2,172	21,466

Table IV A.—Numbers employed in week ended 12th October, 1935

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales and Northern Ireland :—						
Operatives	940	3,591	2,021	7,258	2,961	10,849
Administrative, etc.*	47	688	57	348	104	1,036
Total	987	4,279	2,078	7,606	3,065	11,885
Scotland :—						
Operatives	256	946	880	2,234	1,136	3,180
Administrative, etc.*	20	180	12	104	32	284
Total	276	1,126	892	2,338	1,168	3,464
United Kingdom :—						
Operatives	1,196	4,537	2,901	9,492	4,097	14,029
Administrative, etc.*	67	868	69	452	136	1,320
TOTAL	1,263	5,405	2,970	9,944	4,233	15,349

* Administrative, technical and clerical staff.

Table IV B.—Operatives employed in one week in each month of 1935

Week ended	Males and females		
	England and Wales and Northern Ireland	Scotland	United Kingdom
January 19	10,535	3,237	13,772
February 16	10,452	3,323	13,775
March 16	10,414	3,380	13,794
April 13	10,464	3,330	13,794
May 18	10,696	3,329	14,025
June 15	10,599	3,292	13,891
July 13	10,628	3,332	13,960
August 17	10,754	3,303	14,057
September 14	10,779	3,189	13,968
October 12	10,849	3,180	14,029
November 16	10,949	3,236	14,185
December 14	10,992	3,234	14,226
Average for the twelve months	10,676	3,280	13,956

Table IV C.—Numbers of outworkers at two specified periods in 1935

Country	January			July		
	Males	Females	Total	Males	Females	Total
England and Wales	30	613	643	32	627	659
Scotland	—	14	14	—	32	32
Great Britain	30	627	657	32	659	691

No outworkers were recorded for Northern Ireland.

Table V.—Firms employing not more than ten persons on the average

Particulars	England and Wales and Northern Ireland	Scotland	United Kingdom
	No.	No.	No.
Number of returns received	161	36	197
Average number of persons employed :—			
Males	586	124	710
Females	150	69	219
Total	736	193	929