



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 6

Trade H

Rope, Twine and Net

*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

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* Not applicable to this trade

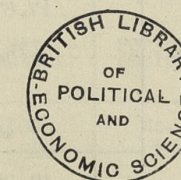
ROPE, TWINE AND NET TRADE

THIS REPORT on the Rope, Twine and Net Trade relates to establishments engaged wholly or mainly in the spinning of hard hemp yarn and the manufacture of ropes, cordage, twine, and nets of hemp, cotton, jute, etc.

This trade corresponds to minimum list heading 117 in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to individual firms, separate particulars of the output in Northern Ireland were not published for 1935.

Production for Government Departments was not recorded for 1937.



TEXTILES
ROPE, TWINE AND NET TRADE

Summary
Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
Gross output (production)	£'000 18,805	£'000 6,971	£'000 5,680
Cost of materials and fuel used	12,582	4,750	3,450
Payment for work done on materials given out	57	1	1
Net output	6,166	2,220	2,229
Wages and salaries of persons employed	2,970	..	..
Average number of persons employed (c)	No. 13,449(d)	No. 15,914	No. 15,500
Net output per person employed (c)	£ 458	£ 140	£ 144
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	1,783	..	..
Materials and fuel	1,692	..	..
Number of establishments	No. 163	No. ..	No. 158

(a) Great Britain only.

(b) United Kingdom.

(c) Excluding outworkers.

(d) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way:-

	1948	1937	1935
Output of firms in this trade	£'000	£'000	£'000
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	17,873	6,365	5,159
Other output (see Table 10)	742	606	521
Adjustment for changes in stocks and work in progress (see Table 14)	+ 405	..	..
Less payment for transport by other firms	19,020 215	} 6,971	5,680
Gross output (production)	18,805	6,971	5,680
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	12,583	} 4,750	3,450
Adjustment for changes in stocks (see Table 14)	- 1		
Materials and fuel used	12,582	4,750	3,450

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	66
Average number of persons employed (a)	
Males	217
Females	56
Total	273

(a) Including working proprietors.

Estimated average employment 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	13,449
Employing on average ten persons or less (b)	273
	13,722
Estimated average employment in firms not making satisfactory returns	141
Estimated average employment in all firms	13,863

(a) See Tables 1 and 15.

(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
11-24	No. 45	£'000 937	£'000 327	No. 754	£'000 117	£'000 32	£'000 149	£ 434
25-49	48	1,712	661	1,672	264	62	327	396
50-99	38	3,552	1,169	2,627	456	105	561	445
100-199	15	2,993	1,035	2,284	424	131	555	453
200-299	9	3,162	953	2,078	367	89	457	458
300-399	4	1,892	617	1,339	231	68	298	461
400 and over	4	4,556	1,403	2,695	509	115	624	521
Total	163	18,805	6,166	13,449	2,368	602	2,970	458

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
Northern	6	3,280	1,044	16.9	2,163	372	63	435
East and West Ridings of Yorkshire	19	1,050	343	5.6	721	120	20	140
North Midland; and Midland	22	2,076	761	12.3	1,695	301	75	376
Eastern	7	208	84	1.4	229	42	5	47
London and South Eastern	9	2,071	626	10.2	1,081	233	79	313
Southern	10	1,253	441	7.2	955	172	71	242
South Western	8	259	101	1.6	233	36	9	45
North Western	42	4,351	1,390	22.5	3,088	553	156	710
Total England	123	14,549	4,789	77.6	10,165	1,829	478	2,308
Wales	3	172	60	1.0	160	23	5	28
Scotland	37	4,085	1,317	21.4	3,124	515	119	634
Great Britain	163	18,805	6,166	100.0	13,449	2,368	602	2,970

Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Cordage, cables, ropes and twine (including hard hemp spinning)	110	16,404	14,929	5,137	10,635	1,937	521	2,457	483
Nets and other manufactures of cordage	53	2,401	2,227	1,029	2,814	431	81	512	366
Total	163	18,805		6,166	13,449	2,368	602	2,970	458

Total make of intermediate products
Larger establishments

TABLE 7

	Returned in this trade (a)			
	1948 (b)		1937 (c)	1935 (c)
	Quantity	Entries	Quantity	
	Th. cwts.	No.	Th. cwts.	Th. cwts.
Hard hemp yarn				
Line				
Manila	129.5	24	839.6	750.0
Empire fibre				
Sisal	1,119.0	27	555.9	539.1
New Zealand	4.2	6	46.4	25.2
Other	14.1	13	14.9	15.7
Tow	22.7	7	31.8	47.7
Total hard hemp yarn	1,289.5	28	1,488.6	1,377.7

(a) No output was recorded in other trades.

(b) Great Britain only.

(c) United Kingdom.

Sales (or production) of the principal products of the trade including sales (or production) of these products by establishments classified to other trades

Larger establishments

TABLE 8

	1948 (a)			1937 (b)		1935 (b)	
	Sales			Production		Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Hard hemp line yarn of Empire fibre	20.1	124	15	8.2	15	8.3	11(c)
Other hard hemp yarn	4.8	29	9	13.4	23	9.2	11
Total hard hemp yarn	24.9	153	16	21.6	38	17.5	22
Cordage, cables, ropes and twine							
Under ½ inch diameter							
Binder and reaper twine of hard hemp							
Manila and Empire sisal	268.4	1,650	15	278.2	564	308.9	460
Other	-	-	-	5.4	11		
Other twine							
Of hard hemp							
Manila	16.9	167	8	71.3	244	68.3	185
Empire fibre							
Sisal	260.3	1,790	21	169.6	364	145.0	237
New Zealand	5.1	31	5	8.5	15	4.6	7
Other	1.7	10	5	2.5	7	4.3	7
Of soft hemp							
True hemp	12.9	289	31	77.9	419	145.5	613
Indian hemp	24.3	326	29	61.7	190		
Mixed soft hems	13.3	220	28	..	(d)		
Of cotton	109.2	1,982	40	173.5	865	158.9	706
Of jute	45.6	403	36	104.3	208	71.1	149
Of linen	7.2	171	22	18.6	175	21.4	167
Of other materials, including mixtures	10.3	37	..	-	-	4.5	30
Total twine	775.4	7,077	..	971.5	3,062	932.5	2,561

TABLE 8 (contd.)

	1948 (a)			1937 (b)		1935 (b)	
	Sales			Production		Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Cordage, cables, ropes and twine (contd.)							
Under ½ inch diameter (contd.)							
Ropes, cords and lines							
Of hard hemp							
Empire fibre	60.1	407	14	123.9	268	102.6	156
Other	5.1	28	8	79.7	172	70.0	105(c)
Of soft hemp							
True hemp	6.1	156	28	9.1	65	18.8	126
Indian hemp	5.3	72	20	6.4	21		
Mixed soft hems	0.4	6	6	..	(d)		
Of cotton	24.3	661	32	7.7	68	4.6	42
Of jute	17.3	151	25	37.4	67	17.6	27
Of other materials, including mixtures	12.0	102	10	1.6	14	1.1	8
	..	116					
Total ropes, cords and lines under ½ inch diameter	130.6	1,583	..	265.8	675	214.7	464
	..	116					
Twine, ropes, cords and lines of jute, unclassified	..	287	..	-	-	-	-
Of ½ inch diameter and over							
Of hard hemp							
Manila	108.9	802	22	659.1	1,395	607.3	937
Empire fibre							
Sisal	45.6	586.3	33	19.4	34	23.6	41
New Zealand	17.3	1.4	..	11.9	26	7.4	12
Other	78.0	24.7	10	8.9	17	9.1	13
Unclassified	140.9	-	-	-	-	26.9	38
	22.3						
	163.2						
Of soft hemp							
True hemp	8.7	163	20	21.3	131	56.9	257
Indian hemp	7.8	91	25	21.1	57		
Mixed soft hems	1.2	23	13	..	(d)		
Of cotton	37.4	861	37	47.2	302	44.7	264
Of jute	78.0	452	34	94.4	134	71.3	100
Of other materials, including mixtures	69.9	273	27	43.9	37	54.9	39
	..	73					
Total ropes, cords and lines of ½ inch diameter and over	924.3	6,435	..	927.2	2,133	902.1	1,701
	..	73					

TABLE 8 (contd.)

	1948 (a)			1937 (b)		1935 (b)	
	Sales		Entries	Production		Production	
	Quantity	Value		Quantity	Value	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000	Th.cwts.	£'000
Manufactures of cordage							
Nets and netting							
Of hard hemp	48.0	738	34	51.7	320	75.6	418
Of soft hemp	6.4	199	12	9.5	126		
Of cotton	13.2	682	21	20.3	310	17.9	257
Of linen, ramie or seagrass	2.5	214						8	2.1	85
Of other materials, including mixtures	10.3	216	11	3.6	62	5.2	150
Total nets and netting	80.4	2,049	..	87.2	903	98.7	825
..	..	371					
Trawl gear of rope, etc. (e)	..	95	9	0.8	3	1.6	10
Other manufactures of cordage	6.3	331	24	..	71	..	5
..	..	118					
Waste products sold							
Hard hemp	13.2	15	18	10.6	3	8.9	1
Other waste	2.2	1	18	..	5	5.0	7
..	..	8					
Work done for the trade							
Fixing and splicing of driving ropes (f)		33	24		14		14
Repair work (f)		67	13		4		5
Other work done (f)		51	27				
Total		18,865	..		6,911		5,615
Less sales (or production) in other trades (see Table 9)		992	..		546		456
Total principal products of this trade sold or made by establishments in the trade		17,873	148		6,365		5,159

(a) Great Britain only.

(b) United Kingdom.

(c) Including unclassified.

(d) Not recorded separately.

(e) So far as recorded separately.

(f) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948 (a)			1937 (b)		1935 (b)	
	Sales		Entries	Production		Production	
	Quantity	Value		Quantity	Value	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000	Th.cwts.	£'000
Hard hemp yarn, other than line yarn	-	-	-	0.6	2	-	-
Cordage, cables, ropes and twine							
Under $\frac{1}{2}$ inch diameter							
Twine							
Of soft hemp							
True hemp	2.3	45	..	10.3	71	12.8	80
Mixed soft hems	0.1	1	..	-	-	-	-
Of cotton	0.6	11	..	1.4	13	1.3	12
Of jute	5.2	53	5	78.1	147	37.8	68
Of linen	3.1	70	8	17.2	165	17.4	139
Of other materials, including mixtures	-	-	-	-	-	4.3	28
Ropes, cords and lines							
Of true soft hemp	0.1	1	..	0.4	3	0.2	2
Of cotton	0.1	3	..	0.3	3	0.3	3
Of jute	1.9	21	..	1.4	3	1.1	2
Of other materials, including mixtures	..	13	..	1.3	4	1.0	7
Twine, ropes, cords and lines of jute, unclassified	..	287	..	-	-	-	-
Of $\frac{1}{2}$ inch diameter and over							
Of Empire fibre: Sisal	1.9	12	..	-	-	-	-
Of soft hemp	-	-	-	-	-	0.4	1
Of cotton	0.2	4	..	-	-	0.5	3
Of jute	15.1	81	..	17.8	19	11.5	12
Of other materials, including mixtures	..	64	8	10.5	14	30.5	16

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity Th. cwts.	Value £'000	Entries No.	Quantity Th. cwts.	Value £'000	Quantity Th. cwts.	Value £'000
Manufactures of cordage							
Nets and netting							
Of hemp	0.5	13	..	1.2	23	1.4	8
Of cotton	0.8	84	..	1.1	23	0.3	3
Of linen, ramie or seagrass	0.5	39	..	-	-	2.9	67
Of other materials, including mixtures	0.1	1	..	1.9	50	-	-
Trawl gear of rope, etc.	..	21	..	-	-	-	-
Other manufactures of cordage	0.4 ..	18 99	16	0.6 ..	2 4	..	5
Repair work done for the trade		47(c)	..		-		-
Total		992	..		546		456

(a) Great Britain only.

(b) United Kingdom.

(c) Amount charged.

Sales (or production) in the trade of other
than principal products

Larger establishments

TABLE 10

	1948 (a) Sales		1937 (b) Production		1935 (b) Production	
	Quantity Th. cwts.	Value £'000	Quantity Th. cwts.	Value £'000	Quantity Th. cwts.	Value £'000
Soft hemp yarn	17.9	208	19.3	54	16.1	42
Wire cables and rope	1.3	127	1.9	87	1.8	81
Made-up canvas goods, bags, etc.	..	177	..	102	..	71
Other textile manufactures (including cotton yarn)	..	159	..	328	..	319
Other goods	..	72	..	35	..	8
Total		742		606		521

(a) Great Britain only.

(b) United Kingdom.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	606	3.3
Export sales organisations (including branches abroad)	182	1.0
Other wholesale or selling organisations	388	2.0
Retail shops, etc.	11	0.1
Total sales (or transfers) to other organisations under the same control	1,188	6.4
Sales to independent buyers		
Exports invoiced directly overseas	1,828	9.9
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	756	4.1
His Majesty's Government and Local Authorities (other than productive establishments)	402	2.2
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	5,152	27.8
Wholesalers, merchants and other agents for resale	5,281(a)	28.5
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	378	2.0
Other businesses (including farmers) and institutions of all kinds	3,020	16.3
Members of the public, including employees	507	2.7
Total sales to independent buyers	17,324	93.6
Total	18,511	100.0

(a) Of this total £4,154,000 was recorded as divided between £658,000 for export and £3,496,000 for other sales.

Production, exports and imports
of certain principal products (a)

TABLE 12

		Production	Exports	Retained
		(b) (c)		imports
		Th. cwts.	Th. cwts.	Th. cwts.
Hemp yarn (d)				
Line	{ 1948	1283.9 (e)	0.9	2.4
	{ 1937	1519.1 (e)	4.7	4.9
Tow	{ 1948	79.1 (e)	0.7	21.4
	{ 1937	228.7 (e)	3.0	44.2
Cordage, cables, ropes and twine				
Under $\frac{1}{4}$ inch diameter				
Of hemp				
Binder and reaper twine of hard hemp	{ 1948	288.4	48.1	-
	{ 1937	283.6	109.0	75.3
Other twine				
Of hard hemp	{ 1948	284.0	25.2	1.3
	{ 1937	251.9	20.1	11.3
Of soft hemp	{ 1948	50.4	14.0	-
	{ 1937	139.6	2.9	12.8
Ropes, cords and lines	{ 1948	77.0	1.2	-
	{ 1937	219.1	14.5	1.4
Total of hemp	{ 1948	679.8	88.5	1.4
	{ 1937	894.2	146.5	100.8
Of cotton	{ 1948	133.5	38.3	..
	{ 1937	181.2	53.8	0.1
Of other materials (f)	{ 1948	139.1(g)	6.3	13.0
	{ 1937	161.9	27.4	7.9
Total cordage, etc., under $\frac{1}{4}$ inch diameter	{ 1948	952.4	133.1	14.3
	{ 1937	1237.3	227.7	108.8
Of $\frac{1}{4}$ inch diameter and over				
Of hemp	{ 1948	739.0	199.1	0.4
	{ 1937	741.7	200.3	3.9
Of cotton	{ 1948	37.4	11.2	(f)
	{ 1937	47.2	8.1	0.1
Of other materials (f)	{ 1948	166.6(g)	6.5	1.1
	{ 1937	138.3	8.9	2.4
Total cordage etc., of $\frac{1}{4}$ inch diameter and over	{ 1948	943.0	216.7	1.5
	{ 1937	927.2	217.3	6.4
Total cordage, cables, ropes and twine	{ 1948	1895.4	349.8	15.8
	{ 1937	2164.5	445.0	115.2

TABLE 12 (contd.)

		Production	Exports	Retained
		(b) (c)		imports
		Th. cwts.	Th. cwts.	Th. cwts.
Manufactures of cordage (g)				
Nets and netting (h)				
Of cotton, linen, ramie or seagrass	{ 1948	22.9(g)	15.1	2.1
	{ 1937	22.4	19.7	2.9
Of other materials, including mixtures	{ 1948	64.7	14.3	4.1
	{ 1937	64.8	5.3	0.9
Total nets and netting	{ 1948	87.6	29.4	6.2
	{ 1937	87.2	25.0	3.8
		£'000	£'000	£'000
Other manufactures of cordage	{ 1948	545	11	-
	{ 1937	74	5	1

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Sales in 1948 and production for sale in 1937.

(c) Including sales (or production) by establishments classified to other trades.

(d) Including soft hemp yarn for the output of which see the Linen and Soft Hemp Trade (Volume 6, Trade F).

(e) Production for sale or for further manufacture in the same works.

(f) The overseas trade figures, with the exception of those for exports in 1948, exclude cordage, etc. and manufactures of cordage of synthetic materials.

(g) Partly estimated.

(h) The overseas trade particulars for nets and netting of mixtures of cotton, linen, ramie or seagrass, except of mixtures with other materials, are included in the figures shown against the heading "Of cotton, linen, ramie or seagrass".

Purchased materials and fuel

Larger establishments

TABLE 13

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Hard hemp						
Manila	137.5	780	804.0	1,219	714.3	555
Empire fibre						
Sisal	1,053.2	4,602	538.1	732	551.0	445
New Zealand	4.5	18	48.6	58	25.5	17
Tow or codilla	19.7	72	16.0	17	15.5	12
Other	23.7	84				
Soft hemp						
True hemp	14.3	155	80.6	159	92.0	233
Indian hemp	37.8	176	94.0	87	90.8	86
Flax and raw jute	36.1	88	..	(c)	..	(c)
Yarn						
Of hemp						
Line	7.8	148	65.5	228	68.2	234
Tow	33.7	451				
Of flax						
Line	0.9	19	..	(c)	..	(c)
Tow	..	3				
Tow	4.8	51				
Of cotton	174.6	2,396	228.0	895	194.0	655
Of jute	108.4	574	124.5	149	..	(c)
Twine						
Of hard hemp	57.8	452	33.7	129	51.4	140
Of soft hemp	2.5	56	3.6	21		

TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Twine (contd.)						
Of cotton	12.6	334	14.0	119	17.0	113
	..	166				
Of linen, ramie or seagrass	2.2	126	..	(c)	..	(c)
Packing materials	..	149	..	64	..	(c)
All other purchased materials	..	1,426	..	722	..	842(d)
Fuel and electricity	Th. tons.		Th. tons.		Th. tons.	
Coal	31.4	89	49.7	58	46.0	46
Coke	4.0	17	..	(c)	1.8	2
Electricity purchased (e)	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
From public supply	26,397	122	19,123	77	21,413	70
From other sources	90	-				
Electricity obtained from other works under the same ownership	215	1				
Motor spirit (petrol) and derv. fuel	Th. galls.					
Used for road vehicles	100	10				
Used for other power purposes	14	1				
Other oil fuel (including creosote pitch mixtures)	130	6				
Gas purchased	Th. therms.					
From public supply	138	6	..	16	..	(c)
From other sources	-	-				
Gas obtained from other works under the same ownership	297	-				
All other purchased fuel	..	2				
Total		12,563		4,750		3,450

(a) Great Britain only.

(b) United Kingdom.

(c) Not recorded separately.

(d) Including fuel not specified separately.

(e) The total quantity of electricity consumed in 1948 was 27,994,000 B. T. units, including 1,292,000 generated in the same works.

Stocks of finished products and work in progress and
stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Finished products				
Cordage, cables, ropes and twine of hard hemp				
Under ½ inch diameter	83.8	341	113.8	559
Of ½ inch diameter and over	77.5	327	65.7	316
Twine of soft hemp	8.7	106	10.0	117
Cotton twine	4.5	69	6.1	93
Other finished products	..	349	..	460
Work in progress		186		238
Total finished products and work in progress		1,378		1,783
Materials and fuel				
Manila	51.2	255	51.6	274
Sisal	133.3	478	93.6	387
Soft hemp	19.6	123	16.5	103
	..	20	..	20
Cotton yarn	19.0	295	15.8	262
Other descriptions of materials and fuel	..	520	..	646
Total materials and fuel		1,691		1,692

ROPE, TWINE AND NET
Employment and remuneration (a)
Larger establishments
(i) Private firms

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	428	1,175	1,190	34	83	67	463	1,258	1,257
All ages	4,187	4,626	4,514	867	949	868	5,054	5,575	5,382
Females									
Under 18	1,098	3,269	2,886	127	110	69	1,225	3,379	2,955
All ages	7,734	9,836	9,442	560	503	452	8,294	10,339	9,894
Total									
Under 18	1,526	4,444	4,076	161	193	136	1,687	4,637	4,212
All ages	11,921	14,462	13,956	1,427(e)	1,452	1,320	13,348 (e) (f) (g)	15,914	15,276
Total remuneration	£'000			£'000			£'000		
	2,351	..	..	601	..	..	2,952	..	..

(a) Excluded employees. The following numbers were employed at private establishments in this trade but are not included in the above table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 4 males 103 females
Other workers 100 males 23 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 34 working proprietors (32 males and 2 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £95,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	38	
Maintenance and repair of firms' buildings, but not plant	63	
Research work not directly connected with current production however charged	-	3

In addition to the employees in the above table the private firms in this trade employed outworkers whose numbers (and remuneration in 1948) are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
1948	23	1,903	1,926	£'000 120
1937	37	736	773	..
1935	31	643	674	..

Employment and remuneration
Larger establishments
(ii) Government Departments

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (a)		Total	
	1948(b)	1935(c)	1948(b)	1935(c)	1948(b)	1935(c)
Males						
Under 18	8	41	-	-	8	41
All ages	33	97	2	3	35	100
Females						
Under 18	-	-	-	-	-	-
All ages	32	124	-	-	32	124
Total						
Under 18	8	41	-	-	8	41
All ages	65	221	2	3	67(d)	224
Total remuneration	£'000	..	£'000	..	£'000	..
	18	..	1	..	18	..

(a) Number at September 25, 1948, and October 12, 1935.

(b) Great Britain only.

(c) United Kingdom.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £1,000.

Wages and salaries paid, 1948 (a)
Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Amount paid	Establishments making returns for the calendar year				
			Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
Wages and salaries of	£'000	£'000					
Operatives	2,368	1,080	24.7	25.5	24.4	25.4	100.0
Administrative, technical and clerical employees	602	250	24.9	24.3	24.7	26.1	100.0
Total	2,970	1,331	24.7	25.2	24.5	25.6	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948
Larger establishments in Great Britain
The total amount paid for work done on materials given out was £57,000

Payments for certain services, 1948
Larger establishments in Great Britain

TABLE 18

	Amount paid
Repair and maintenance	£'000
Of buildings	59
Of plant, machinery and vehicles	148
Unclassified	90
Hire of plant, machinery and vehicles	5
Advertising and market research	
Advertising in newspapers, magazines and periodicals	4
Other advertising services (poster display, despatch of circulars, etc.) and market research	1
Unclassified	17
Payments made for research work	
To research associations	-
To universities, institutions, academic bodies and similar agencies	-
To other commercial concerns	10
Postage, telephone, telegrams and cables	41
Commercial insurance premiums	63
Rates (excluding water rates) payable in the year	17

Plant, machinery and vehicles acquired and disposed of, 1948
Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	225	9	31
Vehicles	23	10	7
Total	249	20	38

Capital expenditure on building work and changes in
occupation of buildings and land, 1948
Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		89
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	2	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	9	
(111) Leasehold buildings and land newly occupied in the year	48	
Total of heading 2		59
Total of headings 1 and 2		148
3. Existing buildings and land relinquished		-
4. Headings 1 and 2 less heading 3		148

(a) Excluding site value, which, where appropriate, is included in heading 2 (1).

(b) The figures do not reflect changes in ownership of previously occupied land and buildings.

(c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.

1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	14,549	172	4,085	18,805
Cost of materials and fuel used	9,710	112	2,761	12,582
Payment for work done on materials given out	50	-	7	57
Net output	4,789	60	1,317	6,166
Wages and salaries of persons employed	2,306	28	634	2,970
Average number of persons employed (a)	No. 10,165	No. 160	No. 3,124	No. 13,449
Net output per person employed (a)	£ 471	£ 375	£ 422	£ 458
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	1,412	13	359	1,783
Materials and fuel	1,337	10	295	1,692
Number of establishments	No. 123	No. 3	No. 37	No. 163

(a) Excluding outworkers.

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	14,332	173	4,110	18,615
Adjustment for changes in stocks and work in progress	+ 376	- 2	+ 31	+ 405
Less payment for transport by other firms	14,707	172	4,141	19,020
Gross output (production)	159	-	56	215
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	9,817	111	2,655	12,583
Adjustment for changes in stocks	- 108	+ 1	+ 106	- 1
Materials and fuel used	9,710	112	2,761	12,582

Summary
Small firms

TABLE 22

	England	Scotland	Great Britain (a)
Number of returns	56	10	66
Average number of persons employed (b)			
Males	186	31	217
Females	51	5	56
Total	237	36	273

(a) There were no small firms in Wales in the register for this trade.

(b) Including working proprietors.

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products						
Hard hemp line yarn of Empire fibre	..	(a)	..	(a)	20.1	124
Other hard hemp yarn	4.8	29	-	-	4.8	29
Total hard hemp yarn	..	(a)	..	(a)	24.9	153
Cordage, cables, ropes and twine						
Under $\frac{1}{4}$ inch diameter						
Binder and reaper twine of hard hemp						
Manila and Empire sisal	..	(a)	..	(a)	268.4	1,650
Other	-	-	-	-	-	-
Other twine						
Of hard hemp						
Manila	..	(a)	..	(a)	16.9	167
Empire fibre						
Sisal	..	(a)	..	(a)	260.3	1,790
New Zealand	..	(a)	..	(a)	5.1	31
Other	1.7	10	-	-	1.7	10
Of soft hemp						
True hemp	..	(a)	..	(a)	10.6	244
Indian hemp	16.0	226	8.3	100	24.3	326
Mixed soft hems	12.8	210	0.5	9	13.2	219
Of cotton	104.1	1,893	4.5	78	108.6	1,971
Of jute	18.3	192	22.0	158	40.3	349
Of linen	..	(a)	..	(a)	4.2	101
Of other materials, including mixtures	0.4	7	9.9	29	10.3	37
Total twine	679.4	6,227	84.4	669	763.9	6,896

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Cordage, cables, ropes and twine (contd.)						
Under $\frac{1}{4}$ inch diameter (contd.)						
Ropes, cords and lines						
Of hard hemp						
Empire fibre	..	(a)	..	(a)	60.1	407
Other	4.7	23	0.3	5	5.1	28
Of soft hemp						
True hemp	4.8	120	1.2	35	6.0	155
Indian hemp	2.6	38	2.7	34	5.3	72
Mixed soft hems	0.4	6	-	-	0.4	6
Of cotton	21.0	566	3.1	91	24.2	658
Of jute	2.1	17	13.3	113	15.4	130
Of other materials, including mixtures	11.9 ..	96 103	0.1	6	12.0 ..	102 103
Total ropes, cords and lines, under $\frac{1}{4}$ inch diameter	..	(a)	..	(a)	128.5	1,557
Of $\frac{1}{4}$ inch diameter and over					..	103
Of hard hemp						
Manila	82.8	609	26.1	194	108.9	802
Empire fibre						
Sisal	425.8	2,561	158.6	1,068	584.4	3,630
New Zealand	..	(a)	..	(a)	1.4	7
Other	23.7	115	1.0	5	24.7	120
Of soft hemp						
True hemp	..	(a)	..	(a)	8.7	163
Indian hemp	2.7	33	5.1	58	7.8	91
Mixed soft hems	..	(a)	..	(a)	1.2	23
Of cotton	36.7	851	0.5	6	37.2	857
Of jute	11.1	84	51.7	287	62.9	370
Of other materials, including mixtures	67.7 ..	262 9	2.2	12	69.9 ..	273 9
Total ropes, cords and lines of $\frac{1}{4}$ inch diameter and over	658.4 ..	4,639 9	248.7	1,698	907.1 ..	6,337 9

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Manufactures of cordage						
Nets and netting						
Of hemp	47.2	811	6.8	114	53.9	924
Of cotton	8.0	407	4.4	191	12.4	598
Of linen, ramie or seagrass	..	(a)	..	(a)	2.0	175
Of other materials, including mixtures	9.8	205	0.4	9	10.3	215
Total nets and netting	..	(a)	..	(a)	78.6	1,912
Trawl gear of rope	0.4	6	..	45	0.4	6
Other manufactures of cordage	3.4	78	2.6	255	5.9	313
Waste products sold	..	6	..	13	..	19
Hard hemp	13.1	15	-	-	13.2	15
Other waste	2.2	1	..	3	2.2	1
Total	..	5	..	3	..	8
Work done for the trade						
Fixing and splicing of driving ropes (b)		27		6(b)		33
Repair work (b)		20		-		20
Other work done (b)		48		2(b)		51
Total principal products		14,108		3,765		17,873
Other output						
Soft hemp yarn	6.5	93	11.4	115	17.9	208
Wire cables and rope	1.3	126	-	1	1.3	127
Made-up canvas goods, bags, etc.	..	27	..	150	..	177
Other textile manufactures (including cotton yarn)	..	128	..	32	..	159
Other goods	..	25	..	47	..	72
Total		14,505		4,110		18,615

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.
(b) Amount charged.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials						
Hard hemp						
Manila	113.8	630	23.6	150	137.5	780
Empire fibre						
Sisal	877.6	3,787	175.6	815	1,053.2	4,602
New Zealand	..	(a)	..	(a)	4.5	18
Tow or codilla	..	(a)	..	(a)	19.7	72
Other	22.9	81	0.8	3	23.7	84
Soft hemp						
True hemp	..	(a)	..	(a)	14.3	155
Indian hemp	20.8	99	17.0	77	37.8	176
Flax and raw jute	..	(a)	..	(a)	36.1	88
Yarn						
Of hemp						
Line	5.7	116	2.1	33	7.8	148
Tow	31.6	425	2.2	26	33.7	451
Of flax						
Line	0.7	16	0.2	3	0.9	19
Tow	..	3	..	..	..	3
Of cotton	167.3	2,303	7.4	94	174.6	2,396
Of jute	35.9	213	72.5	361	108.4	574
Twine						
Of hard hemp	49.2	389	8.6	64	57.8	452
Of soft hemp	..	(a)	..	(a)	2.5	56
Of cotton	8.4	227	4.2	107	12.6	334
Of linen, ramie or seagrass	..	1	..	165	..	166
Packing materials	..	135	..	14	..	149
All other purchased materials	..	938	..	488	..	1,426

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal	18.7	57	12.8	33	31.4	89
Coke	3.4	14	0.6	3	4.0	17
	Th. B.T.U. (kW.hrs.)		Th. B.T.U. (kW.hrs.)		Th. B.T.U. (kW.hrs.)	
Electricity purchased (b)						
From public supply	21,578	99	4,819	23	26,397	122
From other sources	90	-	-	-	90	-
Electricity obtained from other works under the same ownership	215	1	-	-	215	1
	Th. galls.		Th. galls.		Th. galls.	
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	79	8	20	2	100	10
Used for other power purposes	14	1	-	-	14	1
Other oil fuel (including creosote/pitch mixtures)	119	6	10	1	130	6
Gas purchased	Th. therms		Th. therms		Th. therms	
From public supply	119	6	19	1	138	6
	Th. cu. ft.		Th. cu. ft.		Th. cu. ft.	
From other sources	700	-	51	-	751	-
Gas obtained from other works under the same ownership	-	-	297	-	297	-
All other purchased fuel	..	2	..	1	..	2
Total		9,928		2,655		12,583

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.

(b) The total quantity of electricity consumed in England and Wales was 23,125,000 B.T. units, including 1,242,000 generated in the same works. The total quantity of electricity consumed in Scotland was 4,869,000 B.T. units, including 50,000 generated in the same works.

Employment and remuneration

Larger establishments

(i) Private firms

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Admin-istrative, technical and clerical employees (a)	Total	Average number of operatives	Admin-istrative, technical and clerical employees (a)	Total	Average number of operatives	Admin-istrative, technical and clerical employees (a)	Total
Males									
Under 18	315	25	340	113	9	122	428	34	462
All ages	3,296	683	3,979	891	184	1,075	4,187	867	5,054
Females									
Under 18	755	97	852	343	30	373	1,098	127	1,225
All ages	5,840	420	6,260	1,894	140	2,034	7,734	560	8,294
Total									
Under 18	1,070	122	1,192	456	39	495	1,526	161	1,687
All ages	9,136	1,103 (b)	10,239 (b) (c)	2,785	324 (b)	3,109 (b) (c)	11,921	1,427 (b)	13,348 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	1,836	482	2,318	515	119	634	2,351	601	2,952

(a) Number at September 25, 1948.

(b) There were, in addition, 34 working proprietors (32 males and 2 females) in Great Britain; 18 males and 1 female in England and Wales, and 14 males and 1 female in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £95,000; £73,000 for England and Wales, and £22,000 for Scotland.

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers and remuneration are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
England and Wales	19	1,744	1,763	£'000 104
Scotland	4	159	163	16
Great Britain	23	1,903	1,926	120

(ii) Government Departments

All Government Department establishments classified to this trade were situated in England. Particulars of employment and remuneration therein are given in Table 15(11).

TEXTILES COUNTRY TABLES

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	102.8	102.0	102.6	August	98.8	97.6	98.6
February	102.1	103.0	102.2	September	97.8	99.0	98.0
March	101.5	104.6	102.1	October	98.1	97.7	98.0
April	102.0	103.6	102.3	November	98.8	97.2	98.5
May	101.0	101.1	101.0	December	97.8	98.9	98.0
June	100.7	98.1	100.2	Percentage employ- ment in this trade covered by the index	47.8	39.7	45.9
July	98.8	97.1	98.5				

(a) The index numbers are calculated from the number of operatives employed for one week in each month returned by larger establishments that made returns for the calendar year 1948.

Month	England and Wales	Scotland	Great Britain
1948			
January	102.8	102.0	102.6
February	102.1	103.0	102.2
March	101.5	104.6	102.1
April	102.0	103.6	102.3
May	101.0	101.1	101.0
June	100.7	98.1	100.2
July	98.8	97.1	98.5
August	98.8	97.6	98.6
September	97.8	99.0	98.0
October	98.1	97.7	98.0
November	98.8	97.2	98.5
December	97.8	98.9	98.0

Country	England and Wales	Scotland	Great Britain
Average number of operatives employed	1,702	127	1,829
Total amount paid to operatives	£1,702,000	£127,000	£1,829,000

(1) Government Departments

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