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[HA 251]

BOARD OF TRADE

THE REPORT on the CENSUS OF PRODUCTION FOR 1951

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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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. A small amount of production in Government establishments is included for all years except

1937.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

ROPE, TWINE AND NET TRADE

ROPE, TWINE AND NET TRADE

Summary

Larger establishments (a)

TABLE 1

	Ur	nited Kingdo	m	Great I	Britain	United Kingdom	
	1951	1950	19 49	1949(b)	19 48	19 37	1935
	£'000	£'000	£'000	£' 000	£,000	£'000	£'000
Gross output (production) (c)	37,184	25,505	20,682		18,805	6,971	5,680
Cost of materials and fuel used (d)	26,113	17.868	13,980	•••	12,582	4.750	3.450
Payment for work done on materials given out	86	53	65		57	1	1
Transport payments (e)	581	••	••	••	••	••	e a fa
Net output	10,404	7.584	6,638		6,166	2.220	2.229
Wages and salaries of persons employed	3,904	3.493	3,268		2,970		
Average number of persons employed (f)	No. 14.825	No. 14,504	No. 14,174	No.	No. 13,449	No. 15,914	No. 15,500
Net output per person employed (f)	£ 702	£ 523	£ 468	£	£ 458	£ 140	£ 144
Stocks at end of year	£, 000	£'000	£'000	£, 000	£,000	£'000	£, 000
Products on hand for sale and work in progress Materials and fuel	3,939 4,232	2.624 3.053	2.033 2.073		1,783		
Number of establishments	No. 146	No. 146	No. 151	No.	No. 163	No.	No. 158
The values of gross output of	and of mate	rials and f	uel used ar	e derived i	n the follo	owing way:-	
	£'000	£.000	£.000	£.000	£.000	£.000	£.000
Output of firms in this trade (g)						3	
Principal products (h) Other output (i)	34.084	25.280	21,033	{	17.873	6,365	5,159 521
Changes in stocks and work in progress (j)	+ 1,309	+ 534	- 102		+ 405		
	37,184	25,814	20.931	••	19,020	h	
Less payment for transport outwards (e)		309	248	••	215	6.971	5,680
Gross output (production)	37.184	25,505	20.682		18,805	6,971	5,680
Materials and fuel used by firms in this trade							
Purchases Changes in stocks (j)	27.305	18.886 -1.018	13.983		12,583	4.750	3,450
Materials and fuel used	26,113	17,868	13,980	••	12.582	4,750	3,450

(a) For small firms' summary see Table 2.
(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.

(d) Amounts paid for delivery services are excluded for 1951 but included for other years.

(e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

(f) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.

(g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).
(h) For details for 1951 and 1948 see Table 8.
(i) For details for 1951 and 1948 see Table 10.

(j) For details for 1951 see Table 21.

(85611/2)

TABLE 2	1	215 	in the second	arpenetadores k	
					-
Number of	returns		2000	19561 3	
	mber of	persons	employed ()	ь)	
Males Females					
Total					

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 and 1950. (b) Including working proprietors.

Est	1	T
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TABLE 3

As returned by firms

Employing on the average more than ten person Employing on the average ten or fewer persons

Estimated average employment in firms not makin satisfactory returns

Estimated average employment in all firms

(a) Including working proprietors.(b) See Tables 13 (iv) and 14.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given. (d) See Table 2.

(e) Excluding any small firms in Northern Ireland.

(85611/2)

6/H/2

Summary

Small firms (a)

Great Britain		United Kingdom	Great Britain		
1951	1950	1949	1949	19 48	
121	143	140	136	115	
425 282	47 2 2 56	528 277	50 5 27 3	407 184	
7 07	7 28	8 0 5	778	591	

mated average employment (a)

All firms

Number

	Uni	ted Kingdom		Great Britain			
	1951	1950	19 49	1949	19 48		
en se l		1 100	Sol 1 Marsh		Contractor		
ns (b) s (d)	14.825 707(e)	14,504 728(e)	14.174 805	(c) 778	13.449 591		
	15.532	15.232	14.979	(c)	14.040		
ng	30	25	38	38	82		
	15.562(e)	15.257 (e)	15.017	(c)	14.122		

Analysis by size, 1951

Larger establishments in the United Kingdom

TABLE 4

		Gross output	Net ou tpu t		. 1	Remuneration		2 2400
Average number employed	Establish- ments			Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
1941 - I.	No.	£, 000	£'000	No.	£ '000	£,000	£,000	£
11 - 24	38	1,052	289	641	115	35	151	451
25 - 49	42	2,853	924	1,548	305	88	394	597
50 - 99	30	4.475	1,195	2.002	411	98	509	597
100 - 199	19	6,198	1,511	2,659	570	158	728	56 8
200 - 299	8	5,496	1.488	1,885	415	107	522	789
300 - 399	3	2,510	518	997	214	82	296	519
400 - 499	3	5,088	1,486	1.386	327	105	433	1.072
500 and over	3	9,512	2,994	3.707	673	200	872	808
Total	146	37.184	10,404	14,825	3,030	874	3,904	702

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951

Larger establishments in the United Kingdom

TABLE 5

		81 BE	Net ou	tput	1.5.513	F	lemuneration	1	
Region	Estab- lish- ments	Gross output	Value	Percent- age of total	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
England, Wales and Northern Ireland	No.	£,000	£,000	16. 334	No.	£'000	£, 000	£,000	£
Northern; and Northern Ireland	7	10.536	3,255	31.3	4,125	7 52	219	971	789
East and West Ridings	17	1,551	46 9	4.5	721	142	32	174	651
North Midland	15	1,966	472	4.5	1,007	192	31	223	468
Eastern	9	258	111	1.1	27 4	48	6	54	404
London and South Eastern	9	4.276	985	9.5	1,116	285	103	389	883
Southern	8	1.889	6 57	6.3	885	199	55	254	743
South Western	5	513	101	1.0	205	44	21	65	494
Midland; and Wales	6	2,499	849	8.1	709	165	74	239	1,197
North Western	38	6.016	1,381	13.3	2,698	576	167	743	512
Total England, Wales and Northern Ireland	114	29,506	8,280	79.6	11.740	2,403	708	3.111	705
Scotland	32	7.677	2,124	20.4	3,085	627	165	793	688
United Kingdom	146	37.184	10,404	100.0	14.825	3,030	874	3,904	702

(a) Administrative, technical and clerical employees.

(85611/2)

TABLE 6

			Sales of			Remuneration			
	Establish- ments	Gross ou tpu t	charac- teristic products	Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
	No.	£,000	£,000	£'000	No.	£,000	£'000	£.000	£
Specialist producers of			and and the second						ACCONTENT.
Cordage, cables, ropes and twine (including hard hemp yarn)	101	33.693	29,166	9,139	12,294	2,558	790	3,348	7 43
Nets and other manufactures of cordage	39	3,107	2,824	1,100	2.272	415	76	491	484
Remainder of the trade	6	384		164	2 5 9	57	8	65	634
Total	146	37,184		10,404	14,825	3.030	874	3,904	702

(a) Administrative, technical and clerical employees.

TABLE 7

Principal products Hard hemp line and tow yarn Other products Soft hemp line and tow yarn (a)

(a) For total make returned in all trades see the report on the Linen and Soft Hemp Trade (Volume 6, Trade F).

Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

Total make of intermediate products

Larger establishments

Returne	d in thi	s trade	Returned in all trades				
United Kingdom 1951		Great Britain 1948	United K 195	Great Britain 1948			
Quantity	Entries	Quantity	Quantity	Entries	Quantity		
Th.cwts.	No.	Th.cwts.	Th.cwts.	No.	Th.cwts.		
1.247.3	19	1,289.5	1.247.3	19	1,289.5		
115.9	13	52.9	e zaibreier	mora a	and the second		

Sales of the principal products of the trade, including sales of these products by establishments classified to other trades

Larger establishments

Т	A	R	LI	E	8
1	2	D		2	0

6/H/6

Quantity Value Entries Cuantity Hard heep line and tow yarn Th.exts. \$2000 No. Th.exts. Cordage, onlies, ropes and twines of textile saterials Th.exts. \$2000 No. Th.exts. Under ¼ inch dimseter Binder. reaper and baler twine of heep Of hord heep Of soft heep 396.8 4.870 15 268.4 Of soft heep 396.8 4.870 15 268.4 199.2 Of soft heep 396.8 4.870 15 268.4 199.2 Of other tibres including aixtures 6.6 156 28 17.5 Total twine 843.9 13.067 775.4 Ropes, cords and lines:- 0 785 36 24.3 Of other fibres including aixtures 175.5 2.121 23 65.2 Twine, ropes cords and lines of jute. 39.8 210 21 Of other fibres including aixtures 15.1 391 Twine, ropes cords and lines of jute. 35.1 391	Tenne ten	Uni	ited Kingdom 1951	c	Great B 194	
Hard heep line and tow yarm 15.4 184 9 24.9 Cordays, cobles, ropes and twines of textile stericies Under ¼ inch diameter 995.8 4.870 15 268.4 Under ¼ inch diameter Binder, resper and baler twine of heep 395.8 4.870 15 268.4 Other twine:- Of hord heep 395.8 4.870 15 268.4 Of soft heep 95.4 1,987 46 50.4 Of soft heep 173.5 2,121 23 65.2 Of soft heep 173.5 2,121 23 65.2 Of soft heep 173.5 2,121 23 65.2 Of other fibres including sixtures 13.2 32.0 785 36 24.3 Of other fibres including sixtures 13.1 39.8 210 12.0 <th></th> <th>Quantity</th> <th>Value</th> <th>Entries</th> <th>Quantity</th> <th>Value</th>		Quantity	Value	Entries	Quantity	Value
Cordage. oxbles. ropes and twines of textile materials Jobson Jobson<		Th.cwts.	£'000	No.	Th.cwts.	£'000
materials Under ¼ inch diameter Binder, resper and baler twine of hemp Other twine:- Of hard hemp Of soft hemp Of cotton Of cotton Of other fibres including mixtures Total twine Ropes, cords and lines:- Of otton Of otton Of cotton Of forth hemp Of soft hemp Of cotton Of soft hemp Of cotton Of forth hemp Of soft hemp Of cotton Of soft hemp Of otton Of soft hemp Of softher fibres including mixtures <td>Hard hemp line and tow yarn</td> <td>15.4</td> <td>184</td> <td>9</td> <td>24.9</td> <td>153</td>	Hard hemp line and tow yarn	15.4	184	9	24.9	153
Binder. resper and baler twine of hemp Other twine:- Of hard hemp Of soft hemp 396.8 4.870 15 268.4 Of hard hemp 217.8 2.994 29 284.0 Of soft hemp 36.4 1.987 46 50.4 Of cotton 66.1 2.454 44 109.2 Of otter fibres including mixtures 6.6 155 28 17.5 Total twine 843.9 13.067 775.4 Ropes, cords and lines:- 0f hard hemp 173.5 2.121 23 65.2 Of soft hemp 13.2 322 32 11.8 Of otton 785 36 24.3 Of ottor 10.10 20 Twine, ropes, cords and lines of jute, unclassified 39.8 210 21 Of wind hemp 29.1 608 31 Of soft hemp 29.1 608 31 17.7 Of soft hemp 29.1 608 31 17.7 Of other fi			1		the cilling	a in the
Other twine:- 0 f hord hemp 217.8 2.994 29 284.0 Of for themp 96.4 1.987 46 50.4 Of jute 00 f soft hemp 40.2 606 40 45.6 Of other fibres including mixtures 843.9 13.067 775.4 Ropes, cords and lines:- 0 f aoth fibres 173.5 2.121 23 65.2 Of soft hemp 173.5 2.121 23 65.2 11.8 Of cotton 173.5 2.121 23 65.2 11.8 Of other fibres including mixtures 173.5 2.121 23 65.2 Of other fibres including mixtures 13.2 322.0 785 36 24.3 Of jute 0.110 30 721.3 39.6 210 12.0.6 Of soft hemp 10.110 30 721.3 39.1 130.6 Of soft hemp 10.110 30 721.3 Of soft hemp 10.110 30 721.3	Under ¼ inch diameter				And Andrews	
Of hord hemp 217.8 2.994 29 284.0 Of soft hemp 96.4 1.987 46 50.4 Of cotton 86.1 2.454 44 109.2 Of other fibres including mixtures 6.6 156 28 17.5 Total twine 843.9 13.067 775.4 Ropes, cords and lines:- 0f hord hemp 13.2 322 32 11.8 Of cotton 13.2 322 32 11.8 05.2 Of other fibres including mixtures 13.2 322 32 11.8 Of other fibres including mixtures 13.2 322 32 11.8 Of other fibres including mixtures 173.5 2.121 23 65.2 Twine, ropes cords and lines of jute, uncleasified 30.6 11.7 12.0 Of soft hemp 29.1 608 31 17.3 27 37.4 Of jute 35.1 324 21 69.9 1324 12 69.9 Of other fibres including mixtures 35.1 324 12 <td></td> <td>396.8</td> <td>4,870</td> <td>15</td> <td>268.4</td> <td>1,650</td>		396.8	4,870	15	268.4	1,650
Of soft hemp Of cotton96.41,9874650.4Of cotton610109.2Of jute06064045.6Of other fibres including mixtures6.61562817.5Total twine843.913.067775.4Ropes, cords and lines:- Of hard hemp013.232232Of soft hemp13.23223211.8Of cotton13.23223211.8Of cotton13.23223211.8Of other fibres including mixtures176.21Twine, ropes cords and lines of jute, unclassified36.9Of yinte39.8210Of acthon30.41.1732737.4Of jute30.41.1732737.4Of other fibres including mixtures818.910.11030721.3Of other fibres including mixtures35.1391Of other fibres including mixtures35.13242169.9Of other fibres including mixtures35.13242169.9Total ropes, cords end lines of y82924.3Of other fibres including mixtures82Nuclassified ropes, cords end lines of y82Of soft hemp0.11030721.3Of soft hemp0.11030721.3		217.8	2,994	29	284 0	1,998
Of cotton 96.1 2,454 44 109.2 Of jute 0f jute 6.6 156 28 17.5 Total twine 843.9 13.067 775.4 Ropes, cords and lines:- 0f hard hemp 13.2 32.2 32 11.8 Of cotton 13.2 32.2 32 11.8 Of cotton 13.2 32.2 32 11.8 Of other fibres including mixtures 13.2 32.4 12.0 Total ropes, cords and lines under ½ inch diameter 39.8 210 21 12.0 Twine, ropes cords and lines of jute, uncleasified 35.1 391 Of soft hemp 01 and hemp 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of other fibres including mixtures 35.1 324 21 Of other fibres including mixtures 35.1 324 21 69.9 Of other fibres including mixtures 35.1 324 21 Of other fibres including mixtures 3			1.23	- Charles Bridger		835
Of jute 40.2 606 40 45.6 Of other fibres including mixtures 6.6 156 28 17.5 Total twine 843.9 13.067 775.4 Ropes, cords and lines:- 0f hard hemp 13.2 322 322 32 11.8 Of cotton 13.2 322 32 11.8 13.2 32.2 12.8 Of cotton 785 36 24.3 185 36 24.3 Of other fibres including mixtures 269.6 3.698 130.6 Twine, ropes cords and lines of jute, unclassified 0.110 30 721.3 31 Of soft hemp 29.1 608 31 17.7 Of other fibres including mixtures 55.1 324 21 Of other fibres including mixtures 55.1 324 21 Of other fibres including mixtures 55.1 324 21					the statement of the second	1,982
Of other fibres including mixtures 5.6 156 28 17.5 Total twine 843.9 13.067 775.4 Ropes, cords and lines:- 0f hard heep 173.5 2.121 23 65.2 Of soft heep 13.2 322 32 11.8 Of cotton 13.2 322 32 11.8 Of other fibres including mixtures 13.2 32.2 32 11.8 Of other fibres including mixtures 39.8 210 12.0 Total ropes, cords and lines of jute, unclassified 36.1 130.6 Of kinch diameter and over 0f hard heep 818.9 10,110 30 721.3 Of soft heep 30.4 1.173 27 37.4 Of other fibres including mixtures 35.1 324 21 69.9 10.10 30 721.3 37.4 Of other fibres including mixtures 35.1 324 21 69.9 12.790 980.6 12.790 Of other fibres including m	.Of jute		A STATE OF STATE	200		403
Total twine 843.9 13,067 775.4 Ropes, cords and lines:- Of hard hemp 173.5 2.121 23 65.2 Of soft hemp 13.2 322 32 11.8 Of cotton 23.0 785 36 24.3 Of jute 20.2 259 21 17.3 Of other fibres including mixtures 39.8 210 21 12.0 Total ropes, cords and lines under ½ inch diameter 361 Twine, ropes cords and lines of jute, unclassified 35.1 391 Of soft hemp 818.9 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 980.6 12.790 Of other fibres including mixtures 82 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790		6.6	and the second second second	1.5		208
Of hard hemp 173.5 2.121 23 65.2 Of soft hemp 13.2 322 32 11.8 Of cotton 185 36 24.3 Of jute 20.2 259 21 17.3 Of other fibres including mixtures 39.8 210 12.0 Total ropes, cords and lines of jute, unclassified 35.1 391 Of soft hemp 818.9 10.110 30 721.3 Of soft hemp 818.9 10.110 30 721.3 Of soft hemp 30.4 1.173 27 37.4 Of jute 35.1 324 21 Of other fibres including mixtures 35.1 324 21 Total ropes, cords and lines of yute, unclassified ropes, cords and lines of yute, and times of and lines of yute, and times of yute	and the second	843.9	13,067			7,077
Of soft heep 13.2 322 32 11.8 Of cotton 23.0 785 36 24.3 Of jute 20.2 259 21 17.3 Of other fibres including mixtures 39.8 210 21 12.0 Total ropes, cords and lines of jute, unclassi fied 269.6 3.698 130.6 Of k inch diameter 25.1 391 Twine, ropes cords and lines of jute, unclassi fied 30.4 1.173 27 37.4 Of soft heep 818.9 10.110 30 721.3 Of soft heep 30.4 1.173 27 37.4 Of other fibres including mixtures 35.1 324 21 69.9 Of other fibres including mixtures 980.6 12.790 Unclassified ropes, cords and lines of yite; unclassified ropes, co	Ropes, cords and lines:-					
Of cotton	Of hard hemp	173.5	2,121	23	65.2	435
Of cotton 185 36 24.3 Of jute 20.2 259 21 17.3 Of other fibres including mixtures 39.8 210 21 12.0 Total ropes, cords and lines under ¼ inch diameter 269.6 3.698 130.6 Twine, ropes cords and lines of jute, unclassi fied 35.1 391 Of furd hemp 818.9 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of other fibres including mixtures 35.1 391 Total ropes, cords and lines of jute, unclassi fied 30.4 1,173 27 37.4 Of jute 35.1 324 21 69.9 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 924.3 Unclassified ropes, cords and lines of synthetic fibres (a) 70.7 1.446 33 48.0 Of soft hemp 01.2 431	Of soft hemp	13.2	322	32	11.8	234
Of jute 20.2 259 21 17.3 Of other fibres including mixtures 39.8 210 12.0 Total ropes, cords and lines under ¼ inch diameter 269.6 3.698 130.6 Twine, ropes cords and lines of jute, unclassified 35.1 391 Of soft hemp 30.4 1,173 27 37.4 Of other fibres including mixtures 35.1 324 21 Unclassified ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 Unclassified ropes, cordage Vindatameter and over 92.5 263	Of cotton		and the second second second second second second	36	24.3	661
Of other fibres including mixtures 176. 21 Total ropes, cords and lines of jute, unclassified 361 130.6 Twine, ropes cords and lines of jute, unclassified 35.1 391 Of & inch diameter and over 0 f hard hemp 818.9 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of other fibres including mixtures 35.1 324 21 69.9 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 35.1 324 21 69.9 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 924.3 Judactures of cordage 82 Viets and netting 0f soft hemp 70.7 1.446 33 48.0 Of flax 3.6 425 8 12.8<	Of jute	20.2	259	21	17.3	151
¼ inch diameter 361 Twine, ropes cords and lines of jute, unclassified 35.1 391 Of ¼ inch diameter and over 0f hard hemp 818.9 10,110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of cotton 30.4 1,173 27 37.4 Of jute 35.1 324 21 69.9 82 82 Of other fibres including mixtures 82 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12,790 924.3 82 Juclassified ropes, cordage, etc., of synthetic fibres (a) Of soft hemp 0.1.2 431 12 6.4 Of cotton 18.3 1,408 20 3.6 425 8 12.8	Of other fibres including mixtures			} 21 {	the second s	102 116
Twine, ropes cords and lines of jute, unclassified 35.1 391 Of ¼ inch diameter and over 35.1 391 Of ¼ inch diameter and over 818.9 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of cotton 30.4 1,173 27 37.4 Of jute 67.2 575 29 78.0 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 924.3 Of soft hemp 70.7 1.446 33 48.0 Of soft hemp 70.7 1.446 33 48.0 Of cotton 10.2 431 12 6.4 Of cotton 18.3 1.408 20 Of flax 3.6 425 8 12.8				} {		1,583
unclassified 35.1 391 Of ¼ inch diameter and over 0f hard hemp 818.9 10,110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of otton 30.4 1,173 27 37.4 Of jute 67.2 575 29 78.0 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12,790 924.3 Unclassified ropes, cordage, etc., of synthetic fibres (a) 2.5 263 nufactures of cordage 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1.408 20 Of flax 3.6 425 8 12.8	Twine ropes cords and lines of just	Participation 1		1 4	••	
Of hard hemp 818.9 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of cotton 30.4 1.173 27 37.4 Of jute 67.2 575 29 78.0 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 924.3 Juclassified ropes, cordage, etc., of synthetic fibres (a) 2.5 263 Mafactures of cordage 70.7 1.446 33 48.0 Of soft hemp 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1.408 20 Of flax 3.6 425 8 12.8		35.1	391			287
Of hard hemp 818.9 10.110 30 721.3 Of soft hemp 29.1 608 31 17.7 Of cotton 30.4 1.173 27 37.4 Of jute 67.2 575 29 78.0 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12.790 924.3 Juclassified ropes, cordage, etc., of synthetic fibres (a) 2.5 263 Mafactures of cordage 70.7 1.446 33 48.0 Of soft hemp 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1.408 20 Of flax 3.6 425 8 12.8	Of ¼ inch diameter and over					
Of soft hemp 29.1 608 31 17.7 Of cotton 30.4 1.173 27 37.4 Of jute 30.4 1.173 27 37.4 Of other fibres including mixtures 67.2 575 29 78.0 Total ropes, cords and lines of ½ inch diameter and over 35.1 324 21 69.9 Inclassified ropes, cordage, etc., of synthetic fibres (a) 980.6 12,790 924.3 Inclassified ropes, cordage 2.5 263 Inclassified ropes, cordage 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4	and the share of the second	818.9	10,110	30	721.3	4,571
Of cotton 30.4 1.173 27 37.4 Of jute 67.2 575 29 78.0 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12,790 924.3 Juclassified ropes, cordage, etc., of synthetic fibres (a) 2.5 263 nufactures of cordage 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1.408 20 13.2 3.6 425 8 12.8		29.1				277
Of jute 67.2 575 29 78.0 Of other fibres including mixtures 35.1 324 21 69.9 Total ropes, cords and lines of ¼ inch diameter and over 980.6 12,790 924.3 Unclassified ropes, cordage, etc., of synthetic fibres (a) 980.6 12,790 924.3 nufactures of cordage 2.5 263 Nets and netting 70.7 1,446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1,408 20 13.2 3.6 425 8 12.8		30.4				861
Of other fibres including mixtures 35.1 324 82 21 69.9 82 21 69.9 82 21 69.9 82 21 69.9 82 21 69.9 82 21 69.9 924.3 82 82 924.3 82 924.3 82 924.3 924.3 924.3 924.3 924.3 924.3 924.3 924.3	, Of jute	67.2	and the second	+		452
Of other fibres including mixtures8221Total ropes, cords and lines of ¼ inch diameter and over980.612,790 82924.3 Unclassified ropes, cordage, etc., of synthetic fibres (a)2.5263mufactures of cordage2.5263Nets and netting Of hard hemp70.71.4463348.0Of soft hemp10.2431126.4Of cotton18.31.4082013.2 Of flax3.6425812.8	Of other fibres including sintures	35.1	324	b		273
½ inch diameter and over82Unclassified ropes, cordage, etc., of synthetic fibres (a)2.5263nu factures of cordage2.5263Nets and netting Of hard hemp70.71,4463348.0Of soft hemp10.2431126.4Of cotton18.31,4082013.2Of flax3.6425812.8	of other fibres including mixtures		82			73
synthetic fibres (a) 2.5 263 - nufactures of cordage 2.5 263 - Nets and netting 0f hard hemp 70.7 1.446 33 48.0 0f soft hemp 10.2 431 12 6.4 0f cotton 18.3 1.408 20 13.2 0f flax 3.6 425 8 12.8				} {		6,435 73
nu factures of cordage 70.7 1.446 33 48.0 Of hard hemp 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1.408 20 13.2 Of flax 3.6 425 8 12.8		2.5	263			0.2
Nets and netting 70.7 1,446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1,408 20 13.2 Of flax 3.6 425 8 12.8	nufactures of cordage					ally arrest
Of hard hemp 70.7 1.446 33 48.0 Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1.408 20 13.2 Of flax 3.6 425 8 12.8					and the second	
Of soft hemp 10.2 431 12 6.4 Of cotton 18.3 1,408 20 13.2 Of flax 3.6 425 8 12.8		70.7	1.446	33	48 0	738
Of cotton 18.3 1.408 20 13.2 Of flax 3.6 425 8 12.8				•		199
Of flax 3.6 425 8 12.8	The State of the S					682
	and the second of the second	18.3	1,408	20 {		371
Of other fibres including mixtures 7.4 222 12		3.6	425	8	12.8	420
	Of other fibres including mixtures	7.4	222	12	12.0	430
Total nets and netting 110.2 3,932 \$ 80.4	Total nets and netting	110.2	3 0 2 2	1	80.4	2,049

Manufactures of cord	age (contd.)	
Other manufactures	of cordage	
Waste products sold		
Work done for the tr	ade or on commission	(Ъ)
Total		
Sales in other	trades (see Table 9)	4
Principal produ	cts of this trade so	
by establishme	nts in the trade	
(a) So far as record(b) Amount charged.	ded separately.	
interestation	Sales of princ	ipal p
	2385 VI	clas
		Le
TABLE 9		
The second se		
Cordage, cables, rop	es and twines of	
textile materials Under ½ inch diame	ter	
Twine		
Ropes, cords and	lines	
Twine, ropes, co unclassified	rds and lines of jut	e.
Of ¼ inch diameter	and over	
Manufactures of cord	a fear and a second	
Nets and netting	1 A. 83	
Other manufactures		
Work done for the tro	ade or on commission	(a)
Total	19.8	
(a) Amount charged.	·	
		1948
40.2	45.6	403
. 20.2	17.3	151
67-2		452
127.6	140.90 -	10 06
251		

TABLE 8 (contd,)

(85011/2)

162.7

(85611/2)

United Kingdom 1951			Great Britain 1948		
Quantity	Value	Entries	Quantity	Value	
Th. cwts.	£'000	No.	Th.cwts.	£'000	
2.7	145 292	} 16 {	6.3 bec	010	
	266	63			
age 1	410	38	and the second second	151	
	35,881			18,865	
	1,796			992	
	34,084	130	Anger	17,873	

products of the trade by establishments ssified to other trades

arger establishments

Unit	ed Kingdom 1951		Great Britain 1948		
Quantity	Value	Entries	Quantity	Value	
Th. cwts.	£'000	No.	Th. cwts.	£.000	
			19.10 19.10	· Sther tw	
			gand	and the	
10.0	243	53	11.3	180	
0.8	28	14 {	2.1	25	
	144	P 4	••	13	
35.1	391		brackle trees ask	287	
12.3	94		17.2	161	
	H.Franker	N. S. Logolan		1	
10.0	623	16	1.9	137	
	254	9 {	0.4	18 120	
	20			47	
-100	1,796			992	

t

1440

6/H/8

TEXTILES

Sales in the trade of other than principal products

a sum of some	Lar	ger	esta	bli	shments
---------------	-----	-----	------	-----	---------

		1021	United K 195		Great E 19	ritain 48
			Quantity	Value	Quantity	Value
		UD4 de	Quantity	Varue	Quantity	Varue
		·	Th. cwts.	£' 000	Th. cwts.	£'000
Soft hemp line and tow y	arn		27.2	404	17.9	208
Made-up canvas goods, ba	igs, etc.		· · · · /	308		177
Other textile manufactur	es (including	cotton	24		1.(1	s) qui derg goa
yarn)	33	249 11	•••	545	a an si short a	159
)ther goods				46 2	••	199
lork done (a)		25,25		70		1-1-17
Total				1,790	saut estory - sed	7 42

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

TABLE 11

		Production (b)(c)	Exports (d)	Retained imports (e)
	enterna you	Th.cwts.	Th.cwts.	Th.cwts.
Hemp line and tow yarn (f)	{1951 1948 1937	1,363.2(g) 1,363.0(g) 1,747.8(g)	2.2 1.6 7.7	47.2 23.8 49.1
Cordage, cables, ropes and twine		and the second	and the second second second second	and the second s
Under ¼ inch diameter	12. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19		and the second second	and the second states of
Of hemp	interesting and	······································		And reals? bay
autovia i granitanos i encorais ((1951	396.8	23.4	Andread Albert
Binder, reaper and baler twine of	hemp 1948	268.4	48.1	-
Other twine	(1937	283.6	109.0	75.3
Di la la contra contra a contra de la contra de	(1951	217.8	29.1	electrice efficies
Of hard hemp	1948	284.0	25.2	agente 1.3 robali
	(1937	251.9	20.1	11.3
Of soft hemp	$ \begin{bmatrix} 1951 \\ 1948 \end{bmatrix} $	96.4 50.4	15.5	
	1937	139.6	2.9	12.8
	(1951	186.7	2.1	Telle, repue, col
Ropes cords and lines	1948	77.0	1.2	. neilise <u>s</u> elenu
	(1937	219.1	14.5	1.4
	(1951	897.8	70.0	nufactures of corde
Total of hemp	1948	679.8	88.5	pastisl.4 ap stak
	(1937	894.2	146.5	100.8
addition of the second second in the second second	(1951	114.4(h)	30.9	
Of cotton	1948 1937	133.5 181.2	38.3	irk doad for the try
			53.8	0.1
Of other materials including mixtur	es {1951 1948	175.6(h) 139.1(h)	9.0	13.0(i)
	1937	161.9	27.4	7.9
	(1951	1,187.8	109.9	
Total cordage, etc., under ¼ inch diameter	1948	952.4	133.1	14.3(i)
arameter	(1937	1,237.3	227.7	108.8

Stear Britans Univer Kingdon .		Production (b) (c)	Exports (d)	Retained imports (e)
ordage, cables, ropes and twine (contd.)	1	Th.cwts.	Th.cwts.	Th.cwts.
Of ¼ inch diameter and over		Capital Constant		ST Notes
	(1951	848.0	172.8	ALL opport
Of hemp	1948	739.0	199.1	0.4
ichil siling ;	1937	741.7	200.3	3.9
302.0 302.0 001.4 OF	(1951	30.4	5.4	121 1220
Of cotton	1948	37.4	11.2	
01 00100	1937	47.2	8.1	0.1
	(1951	111.2(h)		\$1.296×1
Of other fibres including mixtures	1948	111.2(h) 166.6(h)	12.5	••@\$\$\$0 148
of other libres including mixtures	1937	138.3	8.9	2.4
	(1951	989.5	190.6	TREMEMORY (11)
Total cordage etc., of ¼ inch diameter	1948	943.0	216.7	1.5(i)
and over set	1937	927.2	217.3	6.4
	(1951	2,179.8(j)	300.5	30.6(i)
Total cordage cables, ropes and twine	1948	1,895.4	349.8	15.8(i)
and the second second second second	(1937	2,164.5	445.0	115.2
anu factures of cordage		282 1 232		
muluctures of cordage	(10.00			30 IR 11
83 - 418 184 mg .	1951	110.2	27.8	2.5(i)
Nets and netting	1948	87.6 87.2	29.4 25.0	6.2(i) 3.8
and the second sec	(and the second sec		
		£'000	£'000	£'000
	(1951	437	26	6
Other manufactures of cordage	1948	545	- 11	
	(1937	74	5	1

(a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). 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 1951 and 1948, and production for sale in 1937.
(c) Including production (or sales) by establishments classified to other trades.

(d) Valued f.o.b.

a) Sa ter bar an record

(e) Valued c.i.f.

TABLE 11 (contd.)

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

(g) Production for sale or for further manufacture in the same works. (h) Partly estimated.

(i) Excluding cordage, etc., and manufactures of cordage of synthetic fibres.
 (j) Including 2,500 cwts. of unclassified cordage.

TABLE 12 - Usage of certain specified purchased materials, 1951 Larger establishments in the United Kingdom

	and Starks	
	a ser ar sea an	
	Case St.	
as -11	1	
	£	
8		

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ROPE, TWINE AND NET

The total quantity of purchased cotton yarn used in 1951 was recorded as 16,195,000 lbs.

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TEXTILES

Employment in September Larger establishments (a)

Number

TABLE 14

	Un	ited Kingdom	L	Great	Britain	United Kingdom	
The second second	1951	1950	1949	1949(b)	1948	19 37	1935
Operatives Administrative, technical and	13,148	12,887	12,558		11,986	14,462	14.177
clerical employees	1.653	1,593	1,587		1,429(c)	1,452(c)	1.323(c
Total	14,801	14.480	14,145		13,415	15,914	15,500

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given. (c) In weeks ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

and the second	United Kingdom			Great	Britain	United Kingdom	
the second of most fair the	1951	1950	1949	1949	1948	1937	1935
Males	8	12	25	••	23	37	31
Females	1,568	1.430	1,558		1,903	736	643
Total	1.576	1.442	1.583		1,926	773	674

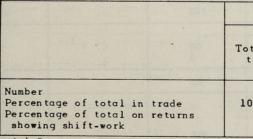
Sh	i	f

-	

Continuous 3 shift systems per 24 hours averaging 8 hours per shift Continuous 4 shift systems per 24 hours averaging 6 hours per shift All 2 shift systems Other shift systems

Total

(a) Shift working during week ended September 22, 1951.
(b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-



(c) Rounded to avoid disclosure.

TABLE 13

	United Kingdom		Great	Great Britain		Kingdom	
	1951(b)	19 50 (b)	1949 (b)	1949(c)	1948(d)	1937 (d)	1935(d)
Males							1
Under 18	576	586	467		436	1,175	1.231
All ages	4,554	4,466	4,305		4.220	4.626	4,611
Females			Te The All a	A State State Providence	Charles .		00001.10
Under 18	1,133	980	1,077		1,098	3,269	2,886
All ages	9.049	8,162	7,904		7.766	9,836	9,566
Total	and the second						PERSONAL PROPERTY
Under 18	1.709	1,566	1.544		1,534	4,444	4.117
All ages	13.603	12,628	12,209		11,986	14,462	14.177

(ii) Administrative, technical and clerical employees(e)

	United Kingdom		Great Br		Britain	ritain United	
	1951	1950	19 49	1949(c)	1948	1937	1935
Mal es	0.000			Sector Sector	State Manager 1	a farme allente a	
Under 18	23	34	28		34	83	67 871
All ages	966	941 '	968		869	949	871
Temales	A Property of the second s	and the state in the					
Under 18	125	132	142	.!.	127	110	69
All ages	666	653	629		560	503	452
Contraction of the second		1		611			
Total	and the second se						
Under 18	148	166	170		161	193	136
All ages	1,632(f)	1.594(f)	1,597(f)		1,429(f)	1,452	1.323

	U	Inited Kingdom	D	Great Br		United K	lingdom
	1951	1950	19 49	1949(c)	19 48	1937	1935
Mal es			and an and the second			- F \ G - 3	
Under 18	599	6 20	495		470	1,258	1,298
All ages	5,520	5,407	5.273	dd see . Casar	5,089	5,575	5,482
Females						Strate The State	
Under 18	1,258	1,112	1,219	a de la companya de la	1,225	3,379	2,955
All ages	9.715	8,815	8,533	••	8,326	10,339	10,018
Total				automit in the	availand Hit is	and Williams of	Bullen A
Under 18	1,857	1.732	1,714		1,695	4,637	4,253
All ages	15,235(f)	14,222(f)	13.806(f)		13.415(f)	15,914	15,500

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example in merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers 3 Males 106 Females Other workers 134 Males 27 Females (b) In weeks ended September 22, 1951, September 30, 1950, and September 24, 1949. (c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for great Britain cannot be given.

(d) Average for the year.
(e) In weeks ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948. October 16, 1937, and October 12, 1935.

(f) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

(1v) Working	proprietors	A A A COLLEGE		1	Number
	U	nited Kingdo	Great Britain		
•	1951	1950	1949	1949	1948
Males Females	24	23 1	28	۰. ••	32 2
Total	24	24	29		34

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(85611/2)

TABLE 15

ROPE, TWINE AND NET

Average employment

Larger establishments (a)

ft working, 1951 (a)

Larger establishments in Great Britain

Total number of an-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
a merinal		
1240		
2,323	22,165	- 9
	· · · · · · · · · · · · · · · · · · ·	Manuf Start Start
2,323	22,165	(b)

Returns		Operatives			
otal in trade	Showing shift-work	Total in trade	Total on returns showing shift-work	Number employed on shift- work	
100:0	9 7.0(c)	100.0	1.597 14.0(c)	463 4.0(c)	
	D. S. A. Bardas	ands research	100.0	29.0	

6/H/11

Number

Wages and salaries and employers' National Insurance contributions paid during the year

		Larger establishments					FL ALCEL		
TABLE 16							£,000		
CEPT 12.87 40.97.			121218	1, 2191, 1	United Kingdo	m	Great Britain		
				1951	1950	1949	1949(a)	19 48	
Wages and sa	laries (b) o	f		11 - 13272	1:585	Lans mel	244 g	Anna Lataria	
Operatives	tive, techni	cal and		3,030	2.702	2.556		2,368	
clerical		cui unu		874	791	712		602	
Total				3,904	3, 493	3,268		2,970	
Employers' a National Ins				129	125	123	s fat Grant S ted September activer	96	

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given. (b) Including bonus and commission payments, but excluding payments to outworkers shown below.

£	aser 1	e see	P & 21	
Britain	Great	m	Jnited Kingdo	U
1948	1949	1949	1950	1951
120	Part 1	86	87	104

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

TABLE 17 £'000 United Kingdom Great Britain 1951 1949 1949(a) 1948 Plant, machinery and vehicles Acquisitions Plant and machinery New 232 272 225 ... Second-hand 35 10 9 ... Vehicles New 40 14 23 .. Second-hand 20 • • 10 Total acquisitions 3 27 302 267 .. Disposals Plant and machinery 32 15 38 31 ... Vehi cles 5 7 ... Total disposals 47 43 38 ... New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges) 93 107 89 ...

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

TABLE 18
Gross output (production)
Cost of materials and fuel used Payment for work done on materials given out
Transport payments
Net output Wages and salaries of persons employed
Average number of persons employed (b)
Net output per person employed (b)
Stocks at end of year
Products on hand for sale and work in progress Materials and fuel

Number of establishments

	£'000	£,000	£'000	£,000	£.000	£*000
Output of firms in this trade		and the second se				1 E - F
Total value of sales (see Table 20)	28,512		7,363		• ••	35,875
Changes in stocks and work in progress (see Table 21)	+ 994		+ 315			+ 1.309
Gross output (production)	29,506		7,677			37,184
Materials and fuel used by firms in this trade						R. R.
Purchases	21,826		5,479			27,305
Changes in stocks (see Table 21)	- 1,138	•••	- 54	••		- 1.192
Materials and fuel used	20,688		5,425			26,113

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland and for Wales, where net output was about 10 per cent. and 1 per cent. respectively of that of the United Kingdom, cannot be given separately and have been included with those for England. (b) Excluding outworkers but including working proprietors.

	Summary			
Small TABLE 19	firms in Great B	britain (a)		
	England	Wales	Scotland	Great Britain
Number of returns	106	1- j	15	121
Average number of persons employed (b)	2 2 8 5 2 5		5	
Males Females	37 3 251		52 31	425 282
Total	624	The second second	83	7 07

nall firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns. (b) Including working proprietors.

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ROPE, TWINE AND NET COUNTRY TABLES

1951 Summary

Larger establishments

		and the second se	and the second		
England (a)	Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
£'000	£'000	£'000	£'000	£'000	£'000
29,506		7.677			37,184
20,588		5,425			26,113
76 462		9 119			86 581
8.280 3,111	::	2,124 793			10,404 3,904
No. 11,740	No.	No. 3,085	No.	No.	No. 14,825
£ 705	£	£ 688	£	£	£ 702
£'000	£,000	£,000	£,000	£,000	£'000
2,999 3,682	::	9 40 551	::		3,939 4,232
No. 114	No.	No. 32	No.	No.	No. 146

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

Sales in the trade

Larger establishments

TABLE 20

	England	and Wales	Scot	land	Great H	Britain	Northern	Ireland	United H	Kingdom
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.cwts.	£'000	Th.cwts.	£'000	Th.cwts.	£' 000	Th.cwts.	£'000	Th.cwts.	£,000
Principal products				8.3						
Hard hemp line and tow yarh		(a)		(a)	15.4	184	-	-	15.4	18
Cordage, cables, ropes and twines of textile materials										
Under ¼ inch in diameter										
Twine	738.6	11.345(b)	95.3	1,479				(b)	833.9	12.82
Ropes, cords and lines	239.7	3,245(b) 126	29.2	425	h			(b)	268.9	3.67
	705.2	9,379(b)		30	P .		-1			21
Of ¼ inch diameter and over	103.2	82	263.0	3,316	••			(b)	968.3	12,69
Unclassified ropes, cordage, etc., of synthetic fibres			2.5	263	2.5	26 3		-	2.5	26
Manufactures of cordage	S. Same						and the second		a for the second	
Nets and netting	86.3	2,344(b)	13.9	965				(b)	100.2	3,30
Other manufactures of cordage	2.7	143 39	}	2 {	2.7	145 39	} - {	- {	2.7	14
Waste products sold		(a)	••	(a)		••		(a)		. 26
Work done for the trade or on commission (c)	A Pendel	384		6		390		•	•	39
Total principal products		27.334(b)		6,751	and the second			(b)		34,08
Other output										
Soft hemp line and tow yarn	13.7	204	13.4	200	. 27.2	40.4	-	-	27.2	40
Made-up canvas goods, bags, etc.		25		28 3		308	-	-		30
Other textile manufactures (including cotton yarn)		448	12.2	97		545	-			54
Other goods		430	A	. 32	•••,	462	-	2-4 1		46
Work done (c)		70		- 1		70		-		7
To tal		28,512(b)		7,363				(b)		35.87

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.
 (b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.
 (c) Amount charged.

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ROPE, TWINE AND NET COUNTRY TABLES

Stocks of products on hand for sale and work in progress, and stocks of materials and fuel

Larger establishments

REAL Electro		England and Wales (a)	Scotl and	Great Britain	Northern Ireland (a)	United Kingdom
Products on hand for sale	at beginning of year at end of year	1.627 2.486	459 736		··· ··	2,086
Work in progress	{at beginning of year at end of year	377 513	166 204	•••		543 717
Total products on hand		22.91 25 9 //22.91	al met quit tout	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		(10) (20) (20) (20) (20) (20) (20) (20) (2
for sale and work in progress	at beginning of year at end of year	2.004 2.999	625 940	···		2,629 3,939
Materials and fuel	at beginning of year at end of year	2.544 3.682	4 97 551	The seal of		3.040

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Employment in September

Larger establishments (a)(b)

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Owing to the risk of disclosure of information relating to individual firms particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales throughout this table.

TABLE 22 (i) Operatives

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	435	141	Tagza A.	The second second second	576
All ages	3,683	871			4,554
Females					THE RIBAT
Under 18	816	317			1,133
All ages	7.124	1.925	inter see instit		9.049
Total		and the second second	and the state of the		and the state of the second
Under 18	1,251	458	· · · · · · · · · · · · · · · · · · ·		1.709
All ages	10,807	2,796		A CONTRACT AND A CONTRACTACT AND A CONTRACT AND A CONTRACTACT AND A CONTRACT AND A CONTRACTACT AND A CONTRACTACT AND A CONTRACTACT AND A CONTRACTACT AND A CONTRACT AND A CONTRACTACT AND A CONTRACTACTACTACTACTACTACTACTACTACTACTACTACTA	13,603
All uges	10,807	2.750	88		13,003
	rative, technical and c		21	•••••	Numbe
			21	Northern Ireland	Numbe
	rative, technical and c	lerical employ	vees	Northern Ireland	Numbe
(ii) Administ	rative, technical and c	lerical employ	Great Britain	Northern Ireland	Numbe United Kingdom
(ii) Administ	rative, technical and c England and Wales	lerical employ Scotland	vees	Northern Ireland	Numbe United Kingdom 23
(ii) Administ Males Under 18	rative, technical and c England and Wales 20	lerical employ Scotland 3	vees Great Britain	Northern Ireland	Numbe United Kingdom
(ii) Administ Aales Under 18 All ages Females Under 18	rative, technical and c England and Wales 20	lerical employ Scotland 3	Great Britain	Northern Ireland	Numbe United Kingdom 23 966
(ii) Administ Aales Under 18 All ages Females	rative, technical and c England and Wales 20 776	lerical employ Scotland 3 190	vees Great Britain	Northern Ireland	Numbe United Kingdom 23
(ii) Administ Males Under 18 All ages Females Under 18	rative, technical and c England and Wales 20 776 95	lerical employ Scotland 3 190 30	Great Britain	Northern Ireland	Numbe United Kingdom 23 966 125

(continued overleaf)

Number

TABLE 22(contd.)

(iii) Total employees Numb						
	England and Wales	Scotl and	Great Britain	Northern Ireland	United Kingdom	
Males		and the second s				
Under 18	455	144			599	
All ages	4,459	1,061			5,520	
Females						
Under 18	911	347			1,258	
All ages	7,617	2,098		- man	9,715	
Total						
Under 18	1,366	491	Trank Let The Provide	and the and the	1,857	
All ages (c)	12,076	3,159	a state	halfs said I the fit	15,235	

(α) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for exampl Table 22(v) below. for example, in merchanting and in Northern Ireland canteen and welfare workers) are shown in

(b) Number employed in the week ended September 22, 1951.

(c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

Number

	England and Wales	Scotl and	Great Britain	Northern Ireland	United Kingdom
Males Females	13	11			24
Total	13	11	Property	append are a set of	24
(v) Excluded en	nployees				Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers Males Females	3 86	- 20	3	-	3 106
Total	89	20	••		109
)ther workers Males Females	(d) (d)	(d) (d)	134 	-	134 27
Total	(d)	(d)	about to analy	the to stir and to	161
Total excluded employees	(d)	(d)	aller and rand	and the state of the state	270

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

Average employment

Larger establishments (a)

TABLE 23				Number	
830.8	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom
Operatives Administrative, technical and	10,439	2,709	2 125		13,148
clerical employees	1,288	36 5		11	1,653
Total	11,727	3.074	Tola line Logal	nd Hal avilar	14,801
	the second s	The second second and the second	and the second and the second and the second second	a state because of the later of the second state of the second state of the	

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

342	England and Wales	S∞tland	Great Britain	Northern Ireland	United Kingdom
Males	8	aller a - alerer	8		8
Femal es	1,501	67	1,568	England in the	1,568
Total	1,509	67	1,576	- 1	1,576

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

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Wages and salaries and employers' National Insurance contributions paid during the year Larger establishments

TADIE 24

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of		ALC: NO	- Herry Color Manager		
Operatives	2,402	627	••	••	3,030
Administrative, technical and clerical employees	709	165	••		874
Total	3,111	793		••••	3,904
Employers' contributions to all National Insurance Schemes	102	26			129

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales. (b) Including bonus and commission payments but excluding payments to outworkers shown below.

England and Wales	Sco tlan
97	7

TABLE 25

Plant, machinery and vehicles Acquisitions

Plant and machinery

New

Second-hand

Vehicles New

Second-hand

Total acquisitions

Disposals Plant and machinery Vehicles

Total disposals

New building work

Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

ROPE, TWINE AND NET COUNTRY TABLES

£'000

nd	Great	Northern	United
	Britain	I rel and	Kingdom
	104	-	104

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

£'000

En	gland and Wales(a)	Scotland	Great Britain	Northern Ireland(a)	United Kingdom
	160	72			232
	32	72 3	35	-	35
	31	9 1	40	_	40
	18	1	20	-	20
	242	85	••		327
	28	4		and the second	20
	13	4	 15	-	32 15
	41	6	•••		47
	73	20			93

01000

TEXTILES COUNTRY TABLES

Payments for transport services for finished goods sold and materials and fuel purchased

Larger establishments

TABLE 26							£,000
1000 2000 - 0000 2000	areaural -	enster	England and Wales (a)	Sco tl and	Great Britain	Northern Ireland (a)	United Kingdom
	Amounts paid to other firms and undertakings Amount paid or credited to firms' own separate		454	118			572
	rganisations	own separate	9	1	9	-	9
To tal			462	119			581

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

	245 82- 12		22-100 22-100 20-12 2

DS 85611/2/WT. 4003 K. 4 2/55 CL

6/H/18

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory (price ls.6d. net) for particulars of the Notes' minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as haracteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its cutput of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, ware-houses and other ancillary places of business situated apart from the producing works are included in the return for the works. Larger establishments and small firms: Larger estab-

lishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include is included in the cost of materials, but where it directors other than those paid by fee only, managers, is especially important separate figures are shown. superintendents and works foremen; research, experi-Later reports: Reports will be published later mental, development, technical and design employees summarising the main census results and giving in-(other than operatives); draughtsmen and tracers; formation about power equipment and fuel consumption. and travellers and office (including works office) Disclosure of information: The report has been pre-pared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or parttime employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied Tables 1 to 17 show figures for the United Kingdom by the firm, but do not work on the premises; opera-(or Great Britain). tives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, included as outworkers. Scotland and Northern Ireland.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel pur-Table 10 shows the sales by establishments in the chased includes all purchases during the year of matertrade of products other than those regarded as ials for use in production and of fuel (including oil, principal products of the trade. gas. and electricity for all purposes. including heating and lighting); al' packing materials, including the full cost of returnable containers when first Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10. purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by.

GENERAL NOTES

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an exworks or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

Customs and Excise Duty paid on materials purchased.

been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm. Symbols used: '..' for 'Not available', '-' for 'Nil

or negligible (less than half the final digit shown)

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Table 6: Specialist producers refer to those estab-lishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

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