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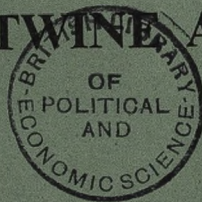
BOARD OF TRADE

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).*

LONDON: HER MAJESTY'S STATIONERY OFFICE

1955

Price 2s 0d net

20.4.52

HA 251

LIST OF TABLES

Table No.	Title	Page
1	Summary: Larger establishments	6/H/2
2	Summary: Small firms	6/H/3
3	Estimated average employment: All firms	6/H/3
4	Analysis by size, 1951: Larger establishments in the United Kingdom	6/H/4
5	Analysis by standard region, 1951: Larger establishments in the United Kingdom	6/H/4
6	Analysis according to specialisation within the trade, 1951: Larger establishments in the United Kingdom	6/H/5
7	Total make of intermediate products: Larger establishments	6/H/5
8 or 8(i)	Sales of the principal products of the trade, including sales of these products by establishments classified to other trades: Larger establishments	6/H/6
8(ii)	Total sales by small firms in Great Britain	*
9	Sales of principal products of the trade by establishments classified to other trades: Larger establishments	6/H/7
10	Sales in the trade of other than principal products: Larger establishments	6/H/8
11	Production, exports and imports of certain principal products	6/H/8
12	Usage of certain specified purchased materials, 1951: Larger establishments in the United Kingdom	6/H/9
13	Employment in September: Larger establishments	6/H/10
14	Average employment: Larger establishments	6/H/11
15	Shift working, 1951: Larger establishments in Great Britain	6/H/11
16	Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments	6/H/12
17	Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments	6/H/12
<u>Country tables, 1951</u>		
18	Summary: Larger establishments	6/H/13
19	Summary: Small firms in Great Britain	6/H/13
20 or 20(i)	Sales in the trade: Larger establishments	6/H/14
20(ii)	Sales in the trade: Small firms	*
21	Stocks of products on hand for sale and work in progress, and stocks of materials and fuel: Larger establishments	6/H/15
22	Employment in September: Larger establishments	6/H/15
23 or 23(i)	Average employment: Larger establishments	6/H/16
23(ii)	Average employment: Small firms	*
24	Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments	6/H/17
25	Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments	6/H/17
26	Payments for transport services for finished goods sold and materials and fuel purchased: Larger establishments	6/H/18

* 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.

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

Summary

Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	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	..	..	..	..	..	..
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	3,939	2,624	2,033	..	1,783	..	..
Materials and fuel	4,232	3,053	2,073	..	1,692	..	..
Number of establishments	No. 146	No. 146	No. 151	No. ..	No. 163	No. ..	No. 158

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

	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)							
Principal products (h)	34,084	25,280	21,033	..	17,873	6,365	5,159
Other output (i)	1,790						
Changes in stocks and work in progress (j)	+ 1,309	+ 534	- 102	..	+ 405		
	37,184	25,814	20,931	..	19,020	6,971	5,680
Less payment for transport outwards (e)	..	309	248	..	215		
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	27,305	18,886	13,983	..	12,583	4,750	3,450
Changes in stocks (j)	- 1,192	- 1,018	- 3	..	- 1		
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)

Summary

Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	121	143	140	136	115
Average number of persons employed (b)					
Males	425	472	528	505	407
Females	282	256	277	273	184
Total	707	728	805	778	591

(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.

Estimated average employment (a)

All firms

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	14,825	14,504	14,174	(c)	13,449
Employing on the average ten or fewer persons (d)	707 (e)	728 (e)	805	778	591
Estimated average employment in firms not making satisfactory returns	15,532	15,232	14,979	(c)	14,040
	30	25	38	38	82
Estimated average employment in all firms	15,562 (e)	15,257 (e)	15,017	(c)	14,122

(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)

Analysis by size, 1951

Larger establishments in the United Kingdom

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	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	568
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

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England, Wales and Northern Ireland									
Northern and Northern Ireland	7	10,536	3,255	31.3	4,125	752	219	971	789
East and West Ridings	17	1,551	469	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	274	48	6	54	404
London and South Eastern	9	4,276	985	9.5	1,116	285	103	389	883
Southern	8	1,889	657	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.

(PE611/2)

Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of Cordage, cables, ropes and twine (including hard hemp yarn)	101	33,693	29,166	9,139	12,294	2,558	790	3,348	743
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	259	57	8	65	634
Total	146	37,184		10,404	14,825	3,030	874	3,904	702

(a) Administrative, technical and clerical employees.

Total make of intermediate products

Larger establishments

TABLE 7

	Returned in this trade				Returned in all trades		
	United Kingdom 1951		Great Britain 1948	United Kingdom 1951		Great Britain 1948	
	Quantity	Entries	Quantity	Quantity	Entries	Quantity	
	Th.cwts.	No.	Th.cwts.	Th.cwts.	No.	Th.cwts.	
Principal products							
Hard hemp line and tow yarn	1,247.3	19	1,289.5	1,247.3	19	1,289.5	
Other products							
Soft hemp line and tow yarn (a)	115.9	13	52.9				

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

(PE611/2)

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

Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Hard hemp line and tow yarn	15.4	184	9	24.9	153
Cordage, cables, ropes and twines of textile materials					
Under ¼ inch diameter					
Binder, reaper and baler twine of hemp	396.8	4,870	15	268.4	1,650
Other twine:-					
Of hard hemp	217.8	2,994	29	284.0	1,998
Of soft hemp	96.4	1,987	46	50.4	835
Of cotton	86.1	2,454	44	109.2	1,982
Of jute	40.2	606	40	45.6	403
Of other fibres including mixtures	6.6	156	28	17.5	208
Total twine	843.9	13,067	..	775.4	7,077
Ropes, cords and lines:-					
Of hard hemp	173.5	2,121	23	65.2	435
Of soft hemp	13.2	322	32	11.8	234
Of cotton	23.0	785	36	24.3	661
Of jute	20.2	259	21	17.3	151
Of other fibres including mixtures	39.8	210	21	12.0	102
Total ropes, cords and lines under ¼ inch diameter	269.6	3,698	..	130.6	1,583
Twine, ropes cords and lines of jute, unclassified	..	361	..	..	116
Twine, ropes cords and lines of jute, unclassified	35.1	391	..	..	287
Of ¼ inch diameter and over					
Of hard hemp	818.9	10,110	30	721.3	4,571
Of soft hemp	29.1	608	31	17.7	277
Of cotton	30.4	1,173	27	37.4	861
Of jute	67.2	575	29	78.0	452
Of other fibres including mixtures	35.1	324	21	69.9	273
Total ropes, cords and lines of ¼ inch diameter and over	980.6	12,790	..	924.3	6,435
Unclassified ropes, cordage, etc., of synthetic fibres (a)	..	82	..	..	73
Unclassified ropes, cordage, etc., of synthetic fibres (a)	2.5	263	..	-	-
Manufactures of cordage					
Nets and netting					
Of hard hemp	70.7	1,446	33	48.0	738
Of soft hemp	10.2	431	12	6.4	199
Of cotton	18.3	1,408	20	13.2	682
Of flax	3.6	425	8	..	371
Of other fibres including mixtures	7.4	222	12	12.8	430
Total nets and netting	110.2	3,932	..	80.4	2,049
				..	371

(85611/2)

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Manufactures of cordage (contd.)					
Other manufactures of cordage	2.7	145	16	6.3	331
Waste products sold	..	292	..	..	213
Work done for the trade or on commission (b)	..	266	63	..	24
Total		410	38		151
		35,881	..		18,865
Sales in other trades (see Table 9)		1,796	..		992
Principal products of this trade sold by establishments in the trade		34,084	130		17,873

(a) So far as recorded separately.
(b) Amount charged.

Sales of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Cordage, cables, ropes and twines of textile materials					
Under ¼ inch diameter					
Twine	10.0	243	53	11.3	180
Ropes, cords and lines	0.8	28	14	2.1	25
Twine, ropes, cords and lines of jute, unclassified	..	144	..	..	13
Twine, ropes, cords and lines of jute, unclassified	35.1	391	..	..	287
Of ¼ inch diameter and over	12.3	94	..	17.2	161
Manufactures of cordage					
Nets and netting	10.0	623	16	1.9	137
Other manufactures of cordage	..	254	9	0.4	18
Work done for the trade or on commission (a)	..	20	..	..	120
Total		1,796	..		992

(a) Amount charged.

	1948	1952
40.2	45.6	606
20.2	17.3	259
67.2	78.0	575
127.6	140.9	1440
35.1		
162.7		

(85611/2)

Sales in the trade of other than principal products

Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Soft hemp line and tow yarn	27.2	404	17.9	208
Made-up canvas goods, bags, etc.	..	308	..	177
Other textile manufactures (including cotton yarn)	..	545	..	159
Other goods	..	462	..	199
Work done (a)		70		-
Total		1,790		742

(a) Amount charged.

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

TABLE 11

		Production (b)(c)	Exports (d)	Retained imports (e)						
		Th. cwts.	Th. cwts.	Th. cwts.						
Hemp line and tow yarn (f)	1951	1,363.2(g)	2.2	47.2						
	1948	1,363.0(g)	1.6	23.8						
	1937	1,747.8(g)	7.7	49.1						
Cordage, cables, ropes and twine Under ¼ inch diameter	Of hemp									
					Binder, reaper and baler twine of hemp	1951	396.8	23.4	-	
						1948	268.4	48.1	-	
	1937	283.6	109.0	75.3						
	Other twine									
						Of hard hemp	1951	217.8	29.1	..
							1948	284.0	25.2	1.3
	1937	251.9	20.1	11.3						
	Of soft hemp									
						1951	96.4	15.5	..	
						1948	50.4	14.0	-	
	1937	139.6	2.9	12.8						
	Ropes cords and lines									
						1951	186.7	2.1	..	
						1948	77.0	1.2	-	
1937	219.1	14.5	1.4							
Total of hemp										
					1951	897.8	70.0	..		
					1948	679.8	88.5	1.4		
1937	894.2	146.5	100.8							
Of cotton										
					1951	114.4(h)	30.9	..		
					1948	133.5	38.3	..		
1937	181.2	53.8	0.1							
Of other materials including mixtures										
					1951	175.6(h)	9.0	..		
					1948	139.1(h)	6.3	13.0(i)		
1937	161.9	27.4	7.9							
Total cordage, etc., under ¼ inch diameter										
					1951	1,187.8	109.9	..		
					1948	952.4	133.1	14.3(i)		
1937	1,237.3	227.7	108.8							

(85611/2)

TABLE 11 (contd.)

		Production (b)(c)	Exports (d)	Retained imports (e)					
		Th. cwts.	Th. cwts.	Th. cwts.					
Cordage, cables, ropes and twine (contd.)	Of ¼ inch diameter and over								
					Of hemp	1951	848.0	172.8	..
						1948	739.0	199.1	0.4
	1937	741.7	200.3	3.9					
	Of cotton								
						1951	30.4	5.4	..
						1948	37.4	11.2	..
	1937	47.2	8.1	0.1					
	Of other fibres including mixtures								
						1951	111.2(h)	12.5	..
1948						166.6(h)	6.5	..	
1937	138.3	8.9	2.4						
Total cordage etc., of ¼ inch diameter and over									
					1951	989.5	190.6	..	
					1948	943.0	216.7	1.5(i)	
1937	927.2	217.3	6.4						
Total cordage cables, ropes and twine									
					1951	2,179.8(j)	300.5	30.6(i)	
					1948	1,895.4	349.8	15.8(i)	
1937	2,164.5	445.0	115.2						
Manufactures of cordage									
					Nets and netting	1951	110.2	27.8	2.5(i)
						1948	87.6	29.4	6.2(i)
1937	87.2	25.0	3.8						
Other manufactures of cordage									
					1951	£'000	£'000	£'000	
					1948	437	26	6	
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.

(e) Valued c.i.f.

(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

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

(85611/2)

Employment in September
Larger establishments (a)TABLE 13
(i) Operatives

	United Kingdom			Great Britain		United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)
Males							
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							
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							
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 Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
Males							
Under 18	23	34	28	..	34	83	67
All ages	966	941	968	..	869	949	871
Females							
Under 18	125	132	142	..	127	110	69
All ages	666	653	629	..	560	503	452
Total							
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

(iii) Total employees

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
Males							
Under 18	599	620	495	..	470	1,258	1,298
All ages	5,520	5,407	5,273	..	5,089	5,575	5,482
Females							
Under 18	1,258	1,112	1,219	..	1,225	3,379	2,955
All ages	9,715	8,815	8,533	..	8,326	10,339	10,018
Total							
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 merchandising 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.

(iv) Working proprietors

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Males	24	23	28	..	32
Females	-	1	1	..	2
Total	24	24	29	..	34

Average employment
Larger establishments (a)

TABLE 14

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935
Operatives	13,148	12,887	12,558	..	11,986	14,462	14,177
Administrative, technical and 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

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

	United Kingdom			Great Britain		United Kingdom	
	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

Shift working, 1951 (a)

Larger establishments in Great Britain

TABLE 15

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
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	2,323	22,165	9
Other shift systems	-	-	-
Total	2,323	22,165	(b)

(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:-

	Returns		Operatives		
	Total in trade	Showing shift-work	Total in trade	Total on returns showing shift-work	Number employed on shift-work
Number	..	9	..	1,597	463
Percentage of total in trade	100.0	7.0(c)	100.0	14.0(c)	4.0(c)
Percentage of total on returns showing shift-work				100.0	29.0

(c) Rounded to avoid disclosure.

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

Larger establishments

	United Kingdom			Great Britain	
	1951	1950	1949	1949 (a)	1948
Wages and salaries (b) of					
Operatives	3,030	2,702	2,556	..	2,368
Administrative, technical and clerical employees	874	791	712	..	602
Total	3,904	3,493	3,268	..	2,970
Employers' contributions to all National Insurance Schemes	129	125	123	..	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.

United Kingdom			Great Britain	
1951	1950	1949	1949	1948
104	87	86	..	120

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

Larger establishments

	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	6	..	10
Total acquisitions	327	302	..	267
Disposals				
Plant and machinery	32	38	..	31
Vehicles	15	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.

1951

Summary

Larger establishments

TABLE 18

	England (a)	Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	29,506	..	7,677	..	..	37,184
Cost of materials and fuel used	20,688	..	5,425	..	..	26,113
Payment for work done on materials given out	76	..	9	..	..	86
Transport payments	462	..	119	..	..	581
Net output	8,280	..	2,124	..	..	10,404
Wages and salaries of persons employed	3,111	..	793	..	..	3,904
Average number of persons employed (b)	No.	No.	No.	No.	No.	No.
	11,740	..	3,085	..	..	14,825
Net output per person employed (b)	£	£	£	£	£	£
	705	..	688	..	..	702
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	2,999	..	940	..	..	3,939
Materials and fuel	3,682	..	551	..	..	4,232
Number of establishments	No.	No.	No.	No.	No.	No.
	114	..	32	..	..	146

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade						
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						
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 firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	106	-	15	121
Average number of persons employed (b)				
Males	373	-	52	425
Females	251	-	31	282
Total	624	-	83	707

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.

Sales in the trade
Larger establishments

6/H/14

(85611/2)

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United 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										
Hard hemp line and tow yarn	..	(a)	..	(a)	15.4	184	-	-	15.4	184
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	12,825
Ropes, cords and lines	239.7	3,245(b)	29.2	425	..	..	..	(b)	268.9	3,670
	..	126	..	90					..	216
Of ¼ inch diameter and over	705.2	9,379(b)	263.0	3,316	..	..	..	(b)	968.3	12,696
	..	82							..	82
Unclassified ropes, cordage, etc., of synthetic fibres	-	-	2.5	263	2.5	263	-	-	2.5	263
Manufactures of cordage										
Nets and netting	86.3	2,344(b)	13.9	965	..	..	..	(b)	100.2	3,309
Other manufactures of cordage	2.7	143	..	2	2.7	145	-	-	2.7	145
	..	39			..	39			..	39
Waste products sold	..	(a)	..	(a)	..	..	..	(a)	..	266
Work done for the trade or on commission (c)		384		6		390		-		390
Total principal products		27,334(b)		6,751		..		(b)		34,084
Other output										
Soft hemp line and tow yarn	13.7	204	13.4	200	27.2	404	-	-	27.2	404
Made-up canvas goods, bags, etc.	..	25	..	283	..	308	-	-	..	308
Other textile manufactures (including cotton yarn)	..	448	..	97	..	545	-	-	..	545
Other goods	..	430	..	32	..	462	-	-	..	462
Work done (c)		70		-		70		-		70
Total		28,512(b)		7,363		..		(b)		35,875

- (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.

TEXTILES COUNTRY TABLES

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

Larger establishments

TABLE 21

£'000

		England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Products on hand for sale	{ at beginning of year	1,627	459	..	..	2,086
	{ at end of year	2,486	736	..	..	3,222
Work in progress	{ at beginning of year	377	166	..	..	543
	{ at end of year	513	204	..	..	717
Total products on hand for sale and work in progress		{ at beginning of year 2,004	625	..	..	2,629
		{ at end of year 2,999	940	..	..	3,939
Materials and fuel	{ at beginning of year	2,544	497	..	..	3,040
	{ at end of year	3,682	551	..	..	4,232

(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)

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

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	435	141	..	..	576
All ages	3,683	871	..	..	4,554
Females					
Under 18	816	317	..	..	1,133
All ages	7,124	1,925	..	..	9,049
Total					
Under 18	1,251	458	..	..	1,709
All ages	10,807	2,796	..	..	13,603

(ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	20	3	..	..	23
All ages	776	190	..	..	966
Females					
Under 18	95	30	..	..	125
All ages	493	173	..	..	666
Total					
Under 18	115	33	..	..	148
All ages (c)	1,269	363	..	..	1,632

(continued overleaf)

TABLE 22 (contd.)

	(iii) Total employees					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	
Males						
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	..	..	..	9,715
Total						
Under 18	1,366	491	..	..	..	1,857
All ages (c)	12,076	3,159	..	..	..	15,235

(a) 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 example, in merchandising and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

(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	Scotland	Great Britain	Northern Ireland	United Kingdom	
Males	13	11	..	..	..	24
Females	-	-	..	..	..	-
Total	13	11	..	..	..	24

	(v) Excluded employees					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	
Canteen workers						
Males	3	-	3	-	-	3
Females	86	20	..	..	..	106
Total	89	20	..	..	..	109
Other workers						
Males	(d)	(d)	134	-	-	134
Females	(d)	(d)	..	..	..	27
Total	(d)	(d)	..	..	..	161
Total excluded employees	(d)	(d)	..	..	..	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
	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom	
Operatives	10,439	2,709	..	..	..	13,148
Administrative, technical and clerical employees	1,288	365	..	..	..	1,653
Total	11,727	3,074	..	..	..	14,801

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

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
	Males	8	-	8	-	8
Females	1,501	67	1,568	-	1,568
Total	1,509	67	1,576	-	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.

(PE611/2)

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

TABLE 24

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
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.

£'000				
England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
97	7	104	-	104

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

TABLE 25

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	160	72	..	..	232
Second-hand	32	3	35	-	35
Vehicles					
New	31	9	40	-	40
Second-hand	18	1	20	-	20
Total acquisitions	242	85	..	..	327
Disposals					
Plant and machinery	28	4	..	..	32
Vehicles	13	2	15	-	15
Total disposals	41	6	..	..	47
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	73	20	..	..	93

(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.

(PE611/2)

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

Larger establishments

TABLE 26

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Amounts paid to other firms and undertakings	454	118	..	..	572
Amount paid or credited to firms' own separate transport organisations	9	1	9	-	9
Total	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.

GENERAL NOTES

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 Notes' (price 1s.6d. net) for particulars of the 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 characteristic 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 output 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, warehouses 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 establishments 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 directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) 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 part-time employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

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 purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

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 ex-works 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 is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have 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.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 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.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

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.

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1955

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PRINTED IN GREAT BRITAIN

S.O. Code No. 51-328-6-8