



BOARD OF TRADE

FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

Volume 6

Trade F

Linen and Soft Hemp

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

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

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\* Not applicable to this trade

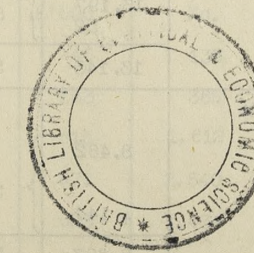
LINEN AND SOFT HEMP TRADE

THIS REPORT on the Linen and Soft Hemp Trade relates to establishments engaged wholly or mainly in the spinning and weaving of linen and soft hemp.

This trade, together with the Flax Processing Trade, corresponds to minimum list heading 115 in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland were not covered in 1948. For 1937 and 1935, separate figures for Great Britain and Northern Ireland are given in Tables, 1, 7 (part I), 10 and 13. Separate figures for Northern Ireland only, are given in Tables 8 (part II), 9 (part II) and 15 (part II). The remaining tables, except Table 12, relate to Great Britain only.

The returns for Great Britain were compiled on a different basis from those for Northern Ireland, the basis for the former being the establishment, and for the latter, the department. Thus the figures shown for Great Britain relate to the activities of establishments each treated as a whole while those for Northern Ireland relate to department units, inter-departmental transfers within a single establishment (e.g., yarns transferred from a spinning department to a thread-making or weaving department) being included as sales of output and purchases of materials.





TEXTILES  
LINEN AND SOFT HEMP TRADE

Summary  
Larger establishments

TABLE 1

	Great Britain			Northern Ireland	
	1948	1937	1935	1937	1935
	£'000	£'000	£'000	£'000	£'000
Gross output (production)	13,145	5,912	4,881	22,715	19,145
Cost of materials and fuel used	8,623	3,817	3,149	15,981	13,154
Payment for work done on materials given out	242	95	75	610	585
Net output	4,280	2,000	1,657	6,124	5,406
Wages and salaries of persons employed	2,223	..	..	..	..
	No.	No.	No.	No.	No.
Average number of persons employed (a)	11,179 (b)	14,055	13,531	59,184	55,621
	£	£	£	£	£
Net output per person employed (a)	383	142	122	103	97
	£'000	£'000	£'000	£'000	£'000
Stocks at end of year					
Finished products and work in progress	1,642	..	..	..	..
Materials and fuel	2,051	..	..	..	..
	No.	No.	No.	No.	No.
Number of establishments	75	..	81	..	..

(a) Excluding outworkers.

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

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

	Great Britain			Northern Ireland	
	1948	1937	1935	1937	1935
	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade					
Total value of sales (1948) or production (1937 and 1935)					
Principal products (see Table 8)	11,140	5,222	4,217	19,807	16,785
Other output (see Table 10)	1,952	690	664	2,908	2,360
Adjustment for changes in stocks and work in progress (see Table 14)	+ 105	..	..	..	..
Less payment for transport by other firms	13,197 52	5,912	4,881	22,715	19,145
Gross output (production)	13,145	5,912	4,881	22,715	19,145
Materials and fuel used by firms in this trade					
Purchases (see Table 13)	8,482	3,817	3,149	15,981	13,154
Adjustment for changes in stocks (see Table 14)	+ 141				
Materials and fuel used	8,623	3,817	3,149	15,981	13,154

## Summary, 1948

## Small firms in Great Britain

TABLE 2

Number of returns	1
Average number of persons employed (a)	
Males	3
Females	-
Total	3

(a) Including working proprietors.

## Estimated average employment, 1948

## All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	11,179
Employing on average ten persons or less (b)	3
	11,182
Estimated average employment in firms not making satisfactory returns	15
Estimated average employment in all firms	11,197

(a) See Tables 1 and 15.

(b) See Table 2.

## Analysis by size, 1948

## Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	8	144	46	133	20	6	26	343
25-49	11	463	153	365	61	28	89	419
50-99	22	1,960	615	1,612	270	56	327	382
100-199	18	3,168	971	2,540	421	82	502	382
200-299	6	2,320	625	1,434	248	63	311	436
300-399	5	1,940	694	1,715	287	38	325	404
400-1,499	5	3,150	1,176	3,380	539	105	644	348
Total	75	13,145	4,280	11,179	1,646	378	2,223	383



## Analysis by standard region, 1948

## Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England and Wales								
Northern; North Midland; and Midland	5	129	62	1.4	203	31	11	42
East and West Ridings of Yorkshire	6	640	179	4.2	411	76	18	93
London and South Eastern	5	181	69	1.6	172	31	9	41
South Western; North Western; and Wales	8	676	250	5.9	434	85	37	122
Total England and Wales	24	1,626	561	13.1	1,220	223	74	297
Scotland	51	11,519	3,719	86.9	9,959	1,622	303	1,926
Great Britain	75	13,145	4,280	100.0	11,179	1,846	378	2,223

## Analysis according to specialisation within the trade, 1948

## Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Spun flax and hemp, and finished thread	19	3,919	3,383	1,182	3,196	545	95	640	370
Woven linen and hemp piece goods	19	3,132	2,418	719	1,868	312	61	373	385
Spun and woven flax and hemp	8	3,514	3,146	1,447	3,829	599	109	709	378
Remainder of the trade	29	2,580		932	2,286	389	113	502	408
Total	75	13,145		4,280	11,179	1,846	378	2,223	383

## Total make of intermediate products

## Part I - Flax and soft hemp yarn (including yarn spun and used for further manufacturing processes in the same works)

## Larger establishments

TABLE 7

	Returned on schedules for								
	Linen and Soft Hemp Trade			All Trades					
	Great Britain			Great Britain			Northern Ireland		
	1948	1937	1935	1948	1937	1935	1937	1935	
Quantity	Quantity	Quantity	Quantity	Entries	Quantity	Quantity	Quantity	Quantity	
Th. cwts.	Th. cwts.	Th. cwts.	Th. cwts.	No.	Th. cwts.	Th. cwts.	Th. cwts.	Th. cwts.	
Yarn									
Flax									
Line	120.9	137.4	115.8	121.7	14	143.2	120.2	271.4	228.6
Tow	133.3	206.1	166.6	134.3	17	226.5	184.9	357.9	358.0
Soft hemp									
Line									
True hemp	5.3	26.9	28.4	9.9	9	43.1	37.5	19.2	18.7
Indian hemp	-								
Mixed soft hems	-								
Tow									
True hemp	10.8	51.1	60.4	14.3	11	114.7	122.1	81.6	96.5
Indian hemp	-								
Mixed soft hems	-								
Mixed flax and hemp				9.6	7				
Line and tow	-	1.0	8.4	..	..	1.0	8.4	0.1	0.8



## Part II - Other intermediate products, 1948 (a)

## Larger establishments in Great Britain

TABLE 7 (contd.)

	Returned on schedules for			
	Linen and Soft Hemp Trade		All Trades	
	Quantity	Entries	Quantity	Entries
	Th. cwts.	No.	Th. cwts.	No.
Flax				
Dressed (line)	122.2	..	122.9	..
Tow or codilla (b)	80.8	..	81.4	..
Hemp, dressed (line) and tow or codilla	14.9	..	17.4	..
Rayon, nylon, etc., yarn (c)	8.6	5	8.6	5
Finished thread wholly or mainly of flax or hemp	11.4	..	11.7	5
Linen and hemp piece goods (d)	Th. sq. yds.		Th. sq. yds.	
Sailcloth or canvas weighing 12 ozs. and over per sq. yd.	18,075	21	18,172	26
Towelling	2,447	16	2,736	18
Other linen and hemp piece goods				
Plain, unbleached				
Weighing 8 ozs. and over per sq. yd.	1,526	..	1,546	..
Weighing under 8 ozs. per sq. yd.	869	9	869	9
Plain, made from bleached yarn				
Weighing 8 ozs. and over per sq. yd.	400	..	460	..
Weighing under 8 ozs. per sq. yd.	784	15	784	15
Damask, bleached or unbleached but not dyed or printed	177	5	177	5
Bleached in the piece, not elsewhere specified	-			
Weighing 8 ozs. and over per sq. yd.	80	..	80	..
Weighing under 8 ozs. per sq. yd.	58	7	58	7
Hemp piece goods other than goods of mixed materials specified above	429	5	429	5

(a) Particulars for 1937 and 1935 were not recorded.

(b) Excluding tow produced by scutchers.

(c) Including only yarn spun by firms in this trade.

(d) Including manufactures of flax or hemp mixed with other materials if known as linens.

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

## Part I - Larger establishments in Great Britain

TABLE 8

	Great Britain							
	1948 Sales			1937 Production		1935 Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000	
Flax, dressed (line) and tow or codilla (a)	11.2	121	8	8.0	35	10.8	40	
Hemp, dressed (line) and tow or codilla	0.3	5	..	4.7	17	3.0	11	
Yarn								
Flax								
Line	69.1	1,511	12	57.6	441	50.0	364	
Tow	61.4	1,043	17	128.0	655	106.9	508	
Soft hemp, line and tow, except mixed soft hems	28.3	385	..	75.1	287	82.4	316	
Mixed flax and hemp and mixed soft hems	7.8	106	..					
Rayon, nylon, etc. (b)	8.6	150	..	-	-	-	-	
Finished thread wholly or mainly of flax or hemp	11.5	600	..	17.0	606	16.5	492	
Linen and hemp piece goods (c)	Th. sq. yds.			Th. sq. yds.		Th. sq. yds.		
Sailcloth or canvas weighing 12 ozs. and over per sq. yd.	17,141	4,642	26	20,020	1,722	17,064	1,349	
Towelling	1,975	359	18	1,243	64	1,268	66	
Other linen and hemp-piece goods								
Plain, unbleached								
Weighing 8 ozs. and over per sq. yd.	1,511	327	19	4,441	243	4,378	204	
Weighing under 8 ozs. per sq. yd.	886	131	8	448	24	316	15	
Plain, made from bleached yarn								
Weighing 8 ozs. and over per sq. yd.	430	91	12	4,122	279	3,955	243(e)	
Weighing under 8 ozs. per sq. yd.	681	121	13	3,424	165	3,233	140(e)	



TABLE 8, Part I (contd.)

	Great Britain							
	1948			1937		1935		
	Sales			Production		Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
Th. sq. yds.	£'000	No.	Th. sq. yds.	£'000	Th. sq. yds.	£'000		
Linen and hemp piece goods (c) (contd.)								
Other linen and hemp-piece goods (contd.)								
Damask, bleached or unbleached but not dyed or printed	45	12	5	633	50	635	55(f)	
Bleached in the piece, not elsewhere specified								
Weighing 8 ozs. and over per sq. yd.	52	27	..	62	8	1,136	(g)	
Weighing under 8 ozs. per sq. yd.	38	9	7					
Dyed and printed in the piece	396	111	7	50	5			
Woven wholly or in part from dyed yarn								
Bed ticking	315	81	9	666	40			
Other	243	76	7	346	42			
Hemp piece goods other than goods of mixed materials specified above	346	104	6	257	20	298	25	
Unclassified	75	43	..	41	2	236	10	
Total linen and hemp piece goods	24,136	6,133	..	35,753	2,664	32,519	2,176	
Woven linen cloth purchased and finished, so far as recorded								
Towelling	121	27	..	-	-	-	-	
Outerwear cloth	756	237	12	-	-	-	-	
Furnishing fabrics	2,554	888	40	-	-	-	-	
Other linen cloth	472	150	..	-	-	-	-	
	Th. lin. yds.	Th. cwts.		Th. lin. yds.	Th. cwts.	Th. lin. yds.	Th. cwts.	
Hose pipes and piping								
Wholly of canvas, fitted or not	2,818	17.0	805	3,212	19.6	392		
	..	1.8	94	223	..	57		
Of canvas and other materials except rubber, whether reinforced with metal wire or not, including fittings	563	5.4	113	..	..	(d)	2,448	
	..	0.6	57				267(h)	

TABLE 8, Part I (contd.)

	Great Britain							
	1948				1937		1935	
	Sales		Production		Production		Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value	
Th. doz.	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000	
Made-up goods of linen and union cloth (i)								
Hand and bath towels	18	0.9	37	18	17.5	218(j)	15.4	
	3	..	7					
Tea towels, glass cloths, etc.	307	..	399	24			157(j)	
Damask table linen	9	0.6	60	6	..	66	..	
	3	..	24					
Other table coverings	21	..	117	28				
Sheets								
Single, up to 73 inches in width	1	0.3	14	15	..	68	..	
	-	-	3					
Double, more than 73 inches in width	-	-	4	10			80	
Pillow and bolster cases	1	-	4	7				
Other made-up goods (except handkerchiefs)	..	..	107	22				
Total made-up goods of linen and union cloth (except handkerchiefs)			775	..		352	299	
Other manufactures of linen (except webbing and handkerchiefs) and hemp (except cordage, sacks and bags)	Th. cwts.							
	-	-	-	..	47	..	30	
Oakum and hemp waste	14.6	66	29	..	30	..	28	
Other waste	..	1	9	-	-	-	-	
Work done for the trade (k)								
Spinning of flax and soft hemp and weaving of linen and soft hemp		3	6	21	25			
Other		5	6					
Total		13,301	..		5,574		4,556	
Less sales (or production) in other trades (see Table 9)		2,161	..		352		339	
Total principal products of this trade sold or made by establishments in the trade		11,140	64		5,222		4,217	

- (a) Excluding tow produced by scutchers.  
(b) Including only yarn spun by firms in the Linen and Soft Hemp Trade.  
(c) Including manufactures of flax or hemp mixed with other materials if known as "linens".  
(d) Not recorded separately.  
(e) Including piece goods bleached in the piece, not elsewhere specified.  
(f) Described as "damask".  
(g) Included with plain piece goods made from bleached yarn.  
(h) Described as "canvas hose pipes".  
(i) Including in 1948 but excluding in 1937 and 1935 the output of firms mainly engaged in making up.  
(j) Described as "towels".  
(k) Amount charged in 1948 and amount received in 1937 and 1935.



## Part II - Larger establishments in Northern Ireland, 1937 and 1935

TABLE 8 (contd.)

	Northern Ireland			
	1937		1935	
	Production		Production	
	Quantity	Value	Quantity	Value
Th. cwts.	£'000	Th. cwts.	£'000	
Spinning departments				
Flax, dressed (line)	46.8	327	36.4	245
Flax tow or codilla	61.8	213	68.8	225
Yarn				
Flax				
Line	270.3	3,501	223.6	2,704
Tow	356.7	2,490	352.9	2,255
Soft hemp				
Line	13.1	87	13.3	85
Tow	20.9	92	34.7	162
Other flax and hemp products (e.g., mixed and twisted yarn)	1.0	9	1.5	7
Work done for the trade		2(a)		6(a)
Total spinning departments		6,721		5,689
Thread-making departments				
Finished linen thread	29.5	611	28.6	528
Work done for the trade		7(a)		7(a)
Total thread-making departments		618		535
Weaving departments	Th. sq. yds.		Th. sq. yds.	
Linen and union piece-goods, loom state				
Towelling (viz., huck, diaper, crash, glass, tea, etc.)	21,539	852	17,833	644
Plain, made from grey or boiled yarns				
Weighing 8 ozs. and over per sq. yd.	4,585	209	4,453	198
Weighing under 8 ozs. per sq. yd.	73,943	2,986	67,109	2,561

TABLE 8, Part 11 (contd.)

	Northern Ireland			
	1937		1935	
	Production		Production	
	Quantity	Value	Quantity	Value
	Th. sq. yds.	£'000	Th. sq. yds.	£'000
Weaving departments (contd.)				
Linen and union piece goods, loom state (contd.)				
Plain, made from bleached yarns				
Weighing 8 ozs. and over per sq. yd.	4,683	274		
Weighing under 8 ozs. per sq. yd.	32,524	1,273	38,377	1,495(b)
Plain, made wholly or in part from dyed yarns	1,357	79		
Damask	20,672	1,285	15,831	991
Drills and other goods made on more than two leaves of heddles	2,241	235	2,500	186
Total weaving departments	161,544	7,193	146,103	6,075
Making-up departments	Th. doz.	Th. cwts.	Th. doz.	
Household articles made up from linen and union cloth				
Towels	1,449	43.0	1,140	505
Quilts, counterpanes, sheets and other bed coverings	173	11.2	..	317
Damask table linen	730	29.8	..	833
Other	671	19.7	..	463
Linen piece-goods, embroidered, ornamented, etc. in the making-up department	..	..	..	2,066
Work done for the trade				
Hemstitching, embroidery, etc.		324(a)		310(a)
Total making-up departments		5,299		4,494



TABLE 8, Part II (contd.)

	Northern Ireland			
	1937 Production		1935 Production	
	Quantity	Value	Quantity	Value
		£'000		£'000
Hemp waste sold		3		2
Total		19,834		16,795
Less production in other trades (see Table 9)		27		10
Total principal products of this trade sold or made by establishments in the trade		19,807		16,785

(a) Amount received.

(b) Recorded as:-

	Th. sq. yds.	£'000
Plain, made from bleached or dyed yarns		
Weighing 8 ozs. and over per sq. yd.	3,820	188
Weighing under 8 ozs. per sq. yd.	34,557	1,307

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

Part I - Larger establishments in Great Britain

TABLE 9

	Great Britain						
	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Flax and hemp, dressed (line) and tow or codilla	0.4	5	..	0.1	1	0.4	1
Yarn							
Flax							
Line	0.2	4	..	0.1	1	-	-
Tow	0.3	5	5	0.1	-	-	-
Soft hemp, line and tow, except mixed soft hems	14.3	147	17	16.8	45	12.3	32
Mixed flax and hemp and mixed soft hems	7.1	96	9				
Finished thread wholly or mainly of flax or hemp	0.5	19	..	-	-	-	-
Linen and hemp piece goods	Th. sq. yds.			Th. sq. yds.		Th. sq. yds.	
Sailcloth or canvas weighing 12 ozs. and over per sq. yd.	97	34	5	2,092	194	1,945	211
Other linen and hemp piece goods							
Plain, unbleached							
Weighing 8 ozs. and over per sq. yd.	20	7	..	92	10	123	9
Weighing under 8 ozs. per sq. yd.	-	-	-	118	5	38	1
Plain, made from bleached yarn							
Weighing 8 ozs. and over per sq. yd.	61	21	..	17	1	11	1
Weighing under 8 ozs. per sq. yd.	-	-	-	749	29	912	21
Dyed and printed in the piece	48	19	..	21	1	-	-
Woven wholly or in part from dyed yarn							
Bed ticking	180	47	..	-	-	-	-
Other	48	18	..	-	-	-	-



TABLE 9, Part I (contd.)

	Great Britain						
	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. sq. yds.	£'000	No.	Th. sq. yds.	£'000	Th. sq. yds.	£'000
Linen and hemp piece goods (contd.)							
Other hemp piece goods not specified above; towelling; and unclassified piece goods	360 ..	84 26	..	306	12	198	8
Total linen and hemp piece goods	814 ..	231 26	..	3,395	252	3,227	251
Woven linen cloth purchased and finished, so far as recorded							
Towelling	121	27	..	-	-	-	-
Outerwear cloth	756	237	12	-	-	-	-
Furnishing fabrics	2,554	888	40	-	-	-	-
Other linen cloth	472	150	..	-	-	-	-
Made-up goods of linen and union cloth	Th. doz.	Th. cwts.		Th. doz.			
Hand and bath towels	2 2	0.2 ..	7 5	9			
Tea towels, glass cloths, etc.	40	..	54	7	9	6	-
Table linen and coverings	16	..	102	16			
Sheets							
Single, up to 73 inches in width	-	-	2	..	..	2	..
Double, more than 73 inches in width	-	-	1	..			20
Pillow and bolster cases	-	-	2	..			
Other made-up goods (except handkerchiefs)	..	..	148	..			
Hose pipes and piping							

TABLE 9, Part I (contd.)

	Great Britain						
	1948 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	Th. cwts.	£'000
Other manufactures of linen (except webbing and handkerchiefs) and hemp (except cordage, sacks and bags)	-	-	-	..	39	..	28
Oakum and hemp waste	3.4	5	23	..	6	..	6
Work done for the trade							1(a)
Total		2,161			352		339

(a) Amount received.

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

## Part II - Larger establishments in Northern Ireland, 1937 and 1935

TABLE 9 (contd.)

	Northern Ireland			
	1937 Production		1935 Production	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Spinning department				
Soft hemp yarn				
Line	0.2	1	0.4	2
Tow	2.3	7	2.9	8
Making-up department				
Other household articles	0.8 Th. doz. 25	19	-	-
Total		27		10



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

## Larger establishments

TABLE 10

	Great Britain				Northern Ireland	
	1948 Sales		1937	1935	1937	1935
	Quantity	Value	Production			
			Value	Value	Value	Value
Th. cwts.	£'000	£'000	£'000	£'000	£'000	
Cordage, cables, ropes, twine and nets	8.1	276	90	93	222	222
Cotton piece goods	14.9	446	114	80	165	125
Made-up goods of cotton	..	51				
Tea towels, bath towels, etc.	195	189	42	29	23	9
Other	..	170	84	79	2,010	1,790
Jute yarn and manufactures	34.1	364	198	230	4	6
Rayon, nylon, etc. piece goods	1,025	132	143	137	139	55
Made-up goods of rayon, nylon, etc.	..	18				
Made-up goods of sailcloth or canvas, mainly of flax or hemp	..	147				
Other textile manufactures	..	80	-	-	1	43
Other goods	..	41	-	-	74	45
Waste sold	..	35	19	15	270	65
Work done on commission (a)	..	5	-	1		
Total		1,952	690	664	2,908	2,360

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

Analysis of sales, 1948  
Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	610	4.7
Export sales organisations (including branches abroad)	222	1.7
Other wholesale or selling organisations	1,293	9.9
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	2,126	16.3
Sales to independent buyers		
Exports invoiced directly overseas	1,242	9.5
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	594	4.5
His Majesty's Government and Local Authorities (other than productive establishments)	1,277	9.8
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	4,678	35.8
Wholesalers, merchants and other agents for resale	3,031 (a)	23.2
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	82	0.6
Other businesses (including farmers) and institutions of all kinds	39	0.3
Members of the public, including employees	10	0.1
Total sales to independent buyers	10,953	83.7
Total	13,079	100.0

(a) Of this total £1,978,000 was recorded as divided between £719,000 for export and £1,259,000 for other sales.



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

TABLE 12

		Production (b)	Exports	Retained imports
		Th. cwts.	Th. cwts.	Th. cwts.
Yarn				
Flax				
Line	{ 1948	121.7	21.9	6.8
	{ 1937	414.6	58.4	2.7
Tow	{ 1948	134.3	4.1	17.1
	{ 1937	584.4	26.8	10.7
Finished thread wholly or mainly of flax and hemp	{ 1948	11.7	16.4	0.2
	{ 1937	46.5(c)	20.4	0.3
Linen and hemp piece goods		Th. sq. yds.	Th. sq. yds.	Th. sq. yds.
Sailcloth or canvas weighing 12ozs. and over per sq. yd.	{ 1948	18,172	4,307	119
	{ 1937	20,020(c)	6,455	53
Towelling	{ 1948	2,736	2,350	123
	{ 1937	22,782(c)	1,008	64
Other descriptions	{ 1948	5,107(d)	37,777	2,894
	{ 1937	154,495(c)	75,652	1,394
		Th. cwts.	Th. cwts.	Th. cwts.
Hose pipes and piping wholly of canvas, fitted or not	{ 1948	18.8(e)	14.8	0.1
	{ 1937	22.5(f)	8.3	-

- (a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not comparable.
- (b) Including sales (or production) by establishments classified to other trades.
- (c) Production for sale.
- (d) Sales, partly estimated.
- (e) Sales.
- (f) Production for sale, partly estimated.

## Purchased materials and fuel

## Larger establishments

TABLE 13

	Great Britain						Northern Ireland			
	1948		1937		1935		1937		1935	
	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials										
Flax										
Dressed and undressed	12.6	2,954	14.5	1,088	11.9	902	30.4	2,849	23.1	2,134
Tow or codilla	3.2	505	8.1	477	6.2	344	18.1	1,049	21.2	1,140
Soft hemp										
True hemp	0.7	131	4.6	198	6.4	262	1.4	88	3.0	166
Indian hemp	0.3	24								
	Th. cwts.		Th. cwts.		Th. cwts.		Th. cwts.		Th. cwts.	
Tow or codilla	2.5	20	12.2	25	..	(a)	12.0	33	..	(a)
Staple fibre of rayon, nylon, etc.	11.6	127	..	(a)	..	(a)	..	(a)	..	(a)
Yarn										
Flax										
Line	53.3	1,266	150.6	1,017	128.4	807	547.0	5,133	516.7	4,303
	..	280								
Tow	59.7	1,146	..	142	..	104				
Soft hemp										
Line	8.6	190	6.8	34	5.9	26	19.0	96	17.8	106
Tow	7.0	122								
	Th. lbs.									
Cotton	4,667	777								
Jute	3,208	184								
Rayon, nylon, etc.			..	(a)	..	(a)	..	(a)	..	(a)
Spun	493	74								
Continuous filament	26	6								
	..	1								
Packing materials	..	64	..	22	..	(a)	..	105	..	(a)



TABLE 13 (contd.)

	Great Britain						Northern Ireland			
	1948		1937		1935		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel							
	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000	Th. sq. yds.	£'000	Th. sq. yds.	£'000
Materials (contd.)										
Piece goods										
Linen	..	(a)	..	(a)	..	(a)	76,472	4,198	65,100	3,571
Cotton	..		..		..		36,321	1,025	..	(a)
All other purchased materials	..	405	..	640	..	559(b)	..	1,082	..	1,496(b)
							Th. tons		Th. tons	
Fuel and electricity										
Coal	42.4	114	58.7	54	63.9	50	205.3	280	188.7	212
Coke	0.5	1	..	(a)	2.1	2	..	(a)	3.0	2
	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
Electricity purchased and electricity obtained from other works under the same ownership (c)	12,581	53	14,857	34	8,895	23	8,436	31	6,520	24
Motor spirit (petrol) and deriv. fuel	Th. galls.									
Used for road vehicles	8	1								
Used for other power purposes	5	-								
Other oil fuel (including creosote/pitch mixtures)	73	3								
Gas purchased	Th. therms									
From public supply	20	1	..	9	..	(a)	..	12	..	(a)
From other sources	2,643	-								
Gas obtained from other works under the same ownership	-	-								
All other purchased fuel	..	12								
Total		8,482		3,817		3,149		15,981		13,154

(a) Not recorded separately.

(b) Including fuel not specified separately.

(c) The total quantity of electricity consumed in 1948 was 15,375,000 B.T. units including 2,794,000 generated in the same works.

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

## Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. sq. yds.	£'000	Th. sq. yds.	£'000
Finished products				
Sailcloth or canvas	1,815	380	1,951	425
Other finished products	..	448	..	489
Work in progress		709		729
Total finished products and work in progress		1,537		1,642
Materials and fuel	Th. cwts.		Th. cwts.	
Flax, undressed, and tow or codilla	102.9	986	85.2	785
Flax yarn, line and tow	34.4	614	32.5	609
Other	..	122	..	124
Other		470		533
Total materials and fuel		2,192		2,051



## Employment and remuneration (a)

## Part I - Larger establishments in Great Britain

TABLE 15

	Great Britain								
	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948	1937	1935	1948	1937	1935	1948	1937	1935
Males									
Under 18	336	688	663	34	60	42	370	748	705
All ages	3,129	3,831	3,669	549	575	561	3,678	4,406	4,230
Females									
Under 18	1,198	3,004	2,411	60	39	32	1,258	3,043	2,443
All ages	7,206	9,411	9,092	279	238	209	7,485	9,649	9,301
Total									
Under 18	1,534	3,692	3,074	94	99	74	1,628	3,791	3,148
All ages	10,335	13,242	12,761	828(c)	813	770	11,163(c) (d) (e)	14,055	13,531
Total remuneration	£'000	..	..	£'000	..	..	£'000	..	..

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

Canteen workers 3 males 44 females  
Other workers 6 males 10 females

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

(c) There were, in addition, 16 working proprietors (15 males and 1 female) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £74,000.

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

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	3	
Maintenance and repair of firms' buildings, but not plant	40	
Research work not directly connected with current production however charged	1	

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

	Average number of outworkers employed			Total amount paid to outworkers £'000
	Males	Females	Total	
1948	-	2	2	-
1937	-	3	3	..
1935	-	6	6	..

## Employment

## Part II - Larger establishments in Northern Ireland, 1937 and 1935

TABLE 15 (contd.)

	Northern Ireland					
	Average number of operatives		Administrative, technical and clerical employees (a)		Total	
	1937	1935	1937	1935	1937	1935
Males						
Under 18	2,420	1,958	127	106	2,547	2,064
All ages	13,745	12,832	1,880	1,821	15,625	14,653
Females						
Under 18	10,653	8,222	123	83	10,776	8,305
All ages	42,634	40,059	925	909	43,559	40,968
Total						
Under 18	13,073	10,180	250	189	13,323	10,369
All ages	56,379	52,891	2,805	2,730	59,184	55,621

(a) October 16, 1937, and October 12, 1935.

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

	Average number of outworkers employed		Total
	Males	Females	
1937	95	1,189	1,284
1935	107	1,398	1,505

## Wages and salaries paid, 1948 (a)

## Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments £'000	Establishments making returns for the calendar year					Year
		Amount paid £'000	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	
Wages and salaries of							
Operatives	1,846	414	23.2	25.0	25.0	26.7	100.0
Administrative, technical and clerical employees	378	75	23.2	24.4	24.7	27.8	100.0
Total	2,223	490	23.2	24.9	24.9	26.9	100.0

(a) Including bonus and commission payments.



TABLE 17 - Payments for work done on materials given out, 1948  
Larger establishments in Great Britain

The total amount paid for work done on materials given out was £242,000.

Payments for certain services, 1948  
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repairs and maintenance	
Of buildings	80
Of plant, machinery and vehicles	56
Unclassified	85
Hire of plant, machinery and vehicles	4
Advertising and market research	
Advertising in newspapers, magazines and periodicals	2
Other advertising services (poster display, despatch of circulars, etc.) and market research	-
Unclassified	3
Payments made for research work	
To research associations	4
To universities, institutions, academic bodies and similar agencies	-
To other commercial concerns	5
Postage, telephone, telegrams and cables	16
Commercial insurance premiums	39
Rates (excluding water rates) payable in the year	13

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

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	142	2	6
Vehicles	2	2	2
Total	145	4	8

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

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		37
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	5	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	-	
(111) Leashold buildings and land newly occupied in the year	-	
Total of heading 2		5
Total of headings 1 and 2		42
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	-	
(11) Estimated value of other properties relinquished	2	
Total of heading 3		2
4. Headings 1 and 2 less heading 3		40

- (a) Excluding site value which, where appropriate, is included in heading 2 (1).  
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.  
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.  
 (d) Including property destroyed or abandoned.



1948

## Summary

## Larger establishments

TABLE 21

	England and Wales (a)	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	1,626	11,519	13,145
Cost of materials and fuel used	1,056	7,568	8,623
Payment for work done on materials given out	10	232	242
Net output	561	3,719	4,280
Wages and salaries of persons employed	297	1,926	2,223
Average number of persons employed (b)	1,220	9,959	11,179
Net output per person employed (b)	460	373	383
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	126	1,516	1,642
Materials and fuel	292	1,759	2,051
Number of establishments	No. 24	No. 51	No. 75

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars for England and Wales cannot be given.  
(b) Excluding outworkers.

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

	England and Wales	Scotland	Great Britain
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (see Table 23)	1,639	11,453	13,092
Adjustment for changes in stocks and work in progress	- 8	+ 114	+ 105
Less payment for transport by other firms	4	48	52
Gross output (production)	1,626	11,519	13,145
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	1,103	7,378	8,482
Adjustment for changes in stocks	- 48	+ 189	+ 141
Materials and fuel used	1,056	7,568	8,623

TABLE 22 - Summary: Small firms

See Table 2. The figures in that table relate to Scotland.

## Sales in the trade

## Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000	Th.cwts.	£'000	Th.cwts.	£'000
Principal products						
Flax and hemp, dressed (line) and tow or codilla	..	(a)	..	(a)	11.1	121
Yarn						
Flax						
Line	-	-	68.9	1,507	68.9	1,507
Tow					61.0	1,037
Soft hemp line and tow, except mixed soft hems	..	(a)	..	(a)	14.0	237
Mixed flax and hemp and mixed soft hems					0.7	9
Rayon, nylon, etc.	-	-	8.6	150	8.6	150
Finished thread wholly or mainly of flax or hemp	-	-	11.0	581	11.0	581
	Th.sq.yds.		Th.sq.yds.		Th.sq.yds.	
Linen and hemp piece goods						
Sailcloth or canvas weighing 12 ozs. and over per sq. yd.	..	(a)	..	(a)	17,044	4,607
Other linen and hemp piece goods						
Plain unbleached						
Weighting 8 ozs. and over per sq. yd.	595	137	896	183	1,491	320
Weighting under 8 ozs. per sq. yd.	-	-	886	131	886	131
Plain, made from bleached yarn						
Weighting 8 ozs. and over per sq. yd.	..	(a)	..	(a)	370	70
Weighting under 8 ozs. per sq. yd.					681	121
Damask, bleached or unbleached but not dyed or printed	-	-	45	12	45	12



TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain		
	Quantity	Value	Quantity	Value	Quantity	Value	
	Th. sq. yds.	£'000	Th. sq. yds.	£'000	Th. sq. yds.	£'000	
Principal products (contd.)							
Linen and hemp piece goods (contd.)							
Other linen and hemp piece goods (contd.)							
Bleached in the piece, not elsewhere specified							
Weighing 8 ozs. and over per sq. yd.	..	(a)	..	(a)	52	27	
Weighing under 8 ozs. per sq. yd.	-	-	38	9	38	9	
Dyed and printed in the piece					347	91	
Woven wholly or in part from dyed yarn							
Bed ticking	..	(a)	..	(a)	135	34	
Other					195	58	
Other hemp piece goods not specified above; and towelling					2,038	422	
Total linen and hemp piece goods	1,687	412	21,635	5,490	23,322	5,902	
Made-up goods of linen and union cloth			Th. doz.	Th. cwts.	Th. doz.	Th. cwts.	
Hand and bath towels	-	-	15 1	0.7 ..	30 1	15 ..	0.7 1
Tea towels, glass cloths, etc.	..	..	..	..	(a)	287	..
Table linen and coverings						17	..
Sheets							
Single, up to 73 inches in width	-	-	1 -	0.3 -	14 2	1 -	0.3 -
Double, more than 73 inches in width	-	-	-	-	3	-	-
Pillow and bolster cases	-	-	1	-	2	1	-
Other made-up goods (except handkerchiefs)	..	..	..	..	106	..	..
Hose pipes and piping							

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Principal products (contd.)						
Oakum and hemp waste					11.2	61
Other waste	..	(a)	..	(a)	..	1
Work done for the trade (b)						
Spinning of flax and soft hemp and weaving of linen and soft hemp		(a)		(a)		3
Other		(a)		(a)		5
Total principal products		1,465		9,674		11,140
Other output						
Cordage, cables, ropes, twine and nets	0.1	2	8.0	273	8.1	276
Cotton piece goods	1.6 ..	50 11	13.4 ..	395 40	14.9 ..	446 51
Made-up goods of cotton					Th. doz.	
Tea towels, bath towels, etc.	..	(a)	..	(a)	195	189
Other	..	1	..	169	..	170
Jute yarn and manufactures	3.2	51	30.9	313	Th. cwts. 34.1	364
Rayon, nylon, etc. piece goods	..	(a)	..	(a)	Th. sq. yds. 1,025	132
Made-up goods of rayon, nylon, etc.					..	18
Made-up goods of sailcloth or canvas, mainly of flax or hemp	-	-	..	147	..	147
Other textile manufactures	..	5	..	74	..	80
Other goods	..	41	..	-	..	41
Waste sold	..	2	..	33	..	35
Work done on commission (b)				5		5
Total		1,639		11,453		13,092

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

(b) Amount charged.



## Purchased materials and fuel

## Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
		£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Flax						
Dressed and undressed	..	(a)	..	(a)	12.6	2,954
Tow or codilla	-	-	3.2	505	3.2	505
Soft hemp						
True hemp	..	(a)	..	(a)	0.7	131
Indian hemp	..	(a)	..	(a)	0.3	24
Tow or codilla	Th. cwts.	(a)	Th. cwts.	(a)	2.5	20
Staple fibre of rayon, nylon, etc.	..	(a)	..	(a)	11.6	127
Yarn						
Flax						
Line	8.9	253	44.4	1,014	53.3	1,266
	..	244	..	36	..	280
Tow	8.4	180	51.3	966	59.7	1,146
Soft Hemp						
Line	2.0	53	6.6	137	8.6	190
Tow	..	(a)	..	(a)	7.0	122
Cotton	Th. lbs.		Th. lbs.		Th. lbs.	
	678	116	3,989	661	4,667	777
Jute	298	15	2,910	169	3,208	184
Rayon, nylon, etc.						
Spun	..	(a)	..	(a)	493	74
Continuous filament	26	6	-	-	26	6
	..	1	..	..	..	1
Packing materials	..	9	..	55	..	64
All other purchased materials	..	178	..	228	..	405

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal	3.1	8	39.3	105	42.4	114
			..	12	..	12
Coke	0.4	1	0.1	-	0.5	1
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased and electricity obtained from other works under the same ownership	1,368	8	11,213	45	12,581	53
			..	7	..	7
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	2	-	6	1	8	1
Used for other power purposes	..	(a)	..	(a)	5	-
Other oil fuel (including creosote/pitch mixtures)	..	(a)	..	(a)	73	3
Gas purchased	Th. therms		Th. therms		Th. therms	
From public supply	9	1	11	1	20	1
	Th. cu. ft.		Th. cu. ft.		Th. cu. ft.	
	569	-	2,074	-	2,643	-
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	-	..	12	..	12
Total		1,103		7,378		8,482

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



## Employment and remuneration

## Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	38	2	40	298	32	330	336	34	370
All ages	425	92	517	2,704	457	3,161	3,129	549	3,678
Females									
Under 18	78	11	89	1,120	49	1,169	1,198	60	1,258
All ages	646	55	701	6,560	224	6,784	7,206	279	7,485
Total									
Under 18	116	13	129	1,418	81	1,499	1,534	94	1,628
All ages	1,071	147 (b)	1,218 (b) (c)	9,264	681 (b)	9,945 (b) (c)	10,335	828 (b)	11,163 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	223	74	297	1,622	303	1,926	1,846	378	2,223

(a) Number at September 25, 1948.

(b) There were, in addition, 16 working proprietors (15 males, 1 female) in Great Britain; 1 male, 1 female in England and Wales, and 14 males in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £74,000; £9,000 for England and Wales, and £65,000 for Scotland.

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

	Average number of outworkers employed			Total amount paid to outworkers £'000
	Males	Females	Total	
England and Wales	-	-	-	-
Scotland	-	2	2	-
Great Britain	-	2	2	-

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

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	101.3	101.1	101.1	August	97.4	99.2	98.7
February	101.5	98.6	99.5	September	99.8	98.4	98.9
March	98.7	99.7	99.4	October	101.1	102.4	102.0
April	100.0	101.3	100.9	November	101.3	102.7	102.3
May	101.1	102.5	102.1	December	97.9	101.1	100.1
June	102.8	101.2	101.7	Percentage employment in this trade covered by the index	56.9	15.2	19.5
July	96.6	92.3	93.6				

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



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