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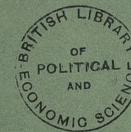


BOARD OF TRADE

(J 427 1117)  
42  
(HA 251)

STATISTICS  
BACK-UP

FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948  
Volume 6  
Trade A  
COTTON SPINNING AND DOUBLING



*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 6d. NET

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\* Not applicable to this trade

COTTON SPINNING AND DOUBLING TRADE

THIS REPORT on the Cotton Spinning and Doubling Trade relates to establishments engaged wholly or mainly in spinning and doubling yarn of cotton or cotton waste, the manufacture of cotton sewing thread, and the spinning of rayon staple fibre on cotton spinning machinery.

This trade corresponds to minimum list heading 110 in the Standard Industrial Classification.

The value of raw cotton purchased included in the cost of materials, etc., does not take account of the amounts payable to spinners, or receivable from them, by the Raw Cotton Commission under the cover scheme which they operated during the year. The net amount payable to spinners in respect of price changes during 1948 was only about £28,000.

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

## TEXTILES

## COTTON SPINNING AND DOUBLING TRADE

## Summary

## Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
	£'000	£'000	£'000
Gross output (production)	242,730	91,807	74,475
Cost of materials and fuel used	173,169	64,538	53,918
Payment for work done on materials given out	3,145	451	343
Net output	66,416	26,818	20,214
Wages and salaries of persons employed	36,756	..	..
	No.	No.	No.
Average number of persons employed (c)	154,312 (d)	186,307	182,567
	£	£	£
Net output per person employed (c)	430	144	111
	£'000	£'000	£'000
Stocks at end of year			
Finished products and work in progress	19,350	..	..
Materials and fuel	22,138	..	..
	No.	No.	No.
Number of establishments	730	..	820

(a) Great Britain only.

(b) United Kingdom.

(c) Excluding outworkers.

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

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

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	229,567	91,128	73,935
Other output (see Table 10)	6,846	679	540
Adjustment for changes in stocks and work in progress (see Table 14)	+ 6,387		
	242,801	91,807	74,475
Less payment for transport by other firms	71		
Gross output (production)	242,730	91,807	74,475
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	174,459	64,538	53,918
Adjustment for changes in stocks (see Table 14)	- 1,290		
Materials and fuel used	173,169	64,538	53,918

## COTTON SPINNING AND DOUBLING

## Summary, 1948

## Small firms in Great Britain

TABLE 2

Number of returns	34
Average number of persons employed (a)	
Males	96
Females	138
Total	234

(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)	154,312
Employing on average ten persons or less (b)	234
Estimated average employment in firms not making satisfactory returns	154,546
Estimated average employment in all firms	227
	154,773

(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	55	1,373	440	998	208	48	256	441
25-49	94	5,102	1,497	3,365	707	124	832	445
50-99	122	14,672	3,804	8,833	1,840	311	2,151	431
100-199	159	39,737	10,500	24,470	5,241	747	5,988	429
200-299	152	60,178	16,005	37,172	7,942	1,022	8,964	431
300-399	64	34,565	9,617	22,133	4,685	564	5,249	435
400-499	29	18,829	5,225	12,649	2,700	348	3,048	413
500-749	40	35,435	10,640	24,347	5,037	665	5,702	437
750-999	9	11,167	2,945	8,015	1,606	189	1,795	367
1,000 and over	6	21,671	5,742	12,330	2,426	345	2,771	466
Total	730	242,730	66,416	154,312	32,393	4,363	36,756	430

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
England	No.	£'000	£'000		No.	£'000	£'000	£'000
Northern; and East and West Ridings of Yorkshire	75	14,099	3,759	5.7	7,542	1,534	296	1,830
North Midland	20	6,011	1,544	2.3	3,910	675	161	836
London and South Eastern; and Midland	7	2,353	436	0.7	922	181	24	205
North Western	609	207,616	57,057	85.9	134,549	28,632	3,658	32,290
Total England	711	230,078	62,796	94.5	146,923	31,021	4,140	35,161
Wales	-	-	-	-	-	-	-	-
Scotland	19	12,652	3,620	5.5	7,389	1,372	223	1,595
Great Britain	730	242,730	66,416	100.0	154,312	32,393	4,363	36,756

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	
Specialist producers of	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Cotton yarn									
Spinners and spinner-doublers (a)	416	188,151	171,668	53,559	124,947	26,460	3,331	29,791	429
Doublers only (b)	136	37,078	32,568	7,267	17,601	3,425	561	3,987	413
Cotton waste yarn									
Spinners and spinner-doublers (a)	104	10,600	10,303	3,493	6,653	1,635	255	1,889	525
Remainder of the trade	74	6,901		2,098	5,111	873	216	1,089	410
Total	730	242,730		66,416	154,312	32,393	4,363	36,756	430

- (a) All establishments which spun, whether for sale or not, any quantity of single yarn.  
(b) All establishments which doubled, whether for sale or not, any quantity of yarn but did not spin single yarn. There were no such establishments in the cotton waste spinning section of the trade.

Total make of intermediate products  
Larger establishments

TABLE 7

	Returned in this trade				Returned in all trades		
	1948 (a)		1937 (b)	1935 (b)	1948 (a)		1935 (b)
	Quantity	Entries	Quantity		Quantity	Entries	Quantity
Single yarn	Th. lbs.	No.	Th. lbs.	Th. lbs.	Th. lbs.	No.	Th. lbs.
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")							
Counts up to and including 9's	85,751	99	638,318 (c)	900,510 (d)	85,751	99	901,521 (d)
Counts over 9's and up to and including 26's	397,652	229			397,652	229	
Counts over 26's and up to and including 40's	156,856	215	371,524	156,856	215		
Counts over 40's and up to and including 56's	49,065	130	108,943	101,821	49,065	130	101,821
Counts over 56's and up to and including 80's	49,512	104	72,227	74,950	49,512	104	74,950
Counts over 80's and up to and including 120's	20,392	63	37,133	36,991	20,392	63	36,991
Counts over 120's	1,926	28	4,411	3,098	1,926	28	3,098
Unclassified	40,412	21	-	-	40,860	32	-
Total single cotton yarn	801,565	..	1,232,556	1,117,370	802,013	..	1,118,381
Of cotton waste (including mixtures of cotton and cotton waste if known as "waste yarn")							
Counts up to and including 9's							
Produced by condenser method	75,528	83	122,678 (e)	108,471	75,528	83	109,384
Produced by other methods	10,109	15			10,109	15	
Unclassified	5,035	7			5,035	7	
Counts over 9's	451	..			451	..	
Total single cotton waste yarn	91,123	..	122,678 (e)	108,471	91,123	..	109,384

TABLE 7 (contd.)

	Returned in this trade			Returned in all trades		
	1948(a)		1937(b)	1948(a)		1935(b)
	Quantity	Entries	Quantity	Quantity	Entries	Quantity
	Th. lbs.	No.		Th. lbs.	No.	
Single yarn (contd.)						
Of rayon, nylon, etc. staple fibre (f)	45,619(g)	47		46,180	58	
Of cotton mixed with rayon, nylon, etc. staple fibre	(h)	..		7,066	15	
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn						
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn") (1)			..	..	..	..
Counts up to and including 26's	141,329	159		141,329	159	
Counts over 26's and up to and including 80's	84,956	157		84,956	157	
Counts over 80's	12,753	67		12,753	67	
Unclassified	18,247	29		18,330	..	
Total doubled cotton yarn	257,285	..		257,368	..	
Of cotton waste (including mixtures of cotton and cotton waste if known as "waste yarn")	5,469	19		5,469	19	

- (a) Great Britain only.  
 (b) United Kingdom.  
 (c) Recorded as:-

Counts up to 20's  
 Counts over 20's and up to 26's (including yarn spun from cotton waste)

Th. lbs.  
 456,492  
 181,826

- (d) Recorded as:-

Counts up to 20's  
 Counts over 20's and up to 40's

Returned in this trade	Returned in all trades
Th. lbs.	Th. lbs.
402,838	403,849
497,672	497,672

- (e) Excluding yarn of counts over 20's.  
 (f) Excluding the output of establishments classified to trades other than the Rayon, Nylon, etc. and Silesia Trades.  
 (g) Specified as up to 2½ ins.  
 (h) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.  
 (i) The counts mentioned are those of the single yarn from which the doubled yarn was made.

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

## Larger establishments

TABLE 8

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. lbs.	£'000	No.	Th. lbs.	£'000	Th. lbs.	£'000
Single yarn							
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")							
Counts up to and including 9's	44,539	6,029	66				
Counts over 9's and up to and including 26's	277,183	40,126	164				
Counts over 26's and up to and including 40's	104,746	20,120	138				
Counts over 40's and up to and including 56's	34,045	8,448	79				
Counts over 56's and up to and including 80's	24,008	7,578	59				
Counts over 80's and up to and including 120's	8,465	3,723	35				
Counts over 120's	766	467	11				
Unclassified	207,877	43,912	116				
Total single cotton yarn	701,629	130,402	..	1,264,336	65,786	1,159,628	53,287
Of cotton waste (including mixtures of cotton and cotton waste if known as "waste yarn")							
Counts up to and including 9's							
Produced by condenser method	68,816	7,627	78				
Produced by other methods	8,748	866	12				
Unclassified	4,575	466	6				
Counts over 9's	215	29	..				
Unclassified	2,962	354	..				
Total single cotton waste yarn	85,315	9,343	..				
Of rayon, nylon, etc. staple fibre (c)	44,408	6,761	48	20,843	1,577	6,961	591
Of rayon, nylon, etc. waste (d)	2,338	298	10	73	2	425	7
Of cotton mixed with rayon, nylon, etc. staple fibre	7,046	1,251	14	204	19 (e)	91	8(e)

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity Th. lbs.	Value £'000	Entries No.	Quantity Th. lbs.	Value £'000	Quantity Th. lbs.	Value £'000
Single yarn (contd.)							
Of cotton waste mixed with rayon, nylon, etc. waste (d)	2,800	356	5	-	-	-	-
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn							
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")							
Counts up to and including 26's	129,347	24,321	126	214,278	19,952 (f)	181,203	16,658(f)
Counts over 26's and up to and including 80's	31,530	10,733	114				
Counts over 80's	7,626	4,783	42				
Unclassified	43,995	14,720	59				
Of cotton waste (including mixtures of cotton and cotton waste if known as "waste yarn")	5,062	490	17				
Of cotton mixed with rayon, nylon, etc. staple fibre (d)	574	133 (g)	6	673	102 (e)	258	42(e)
Hand knitting, etc. yarn of cotton and cotton waste	414	59	5				
Finished thread of cotton for sewing, embroidery, etc.							
In lengths not exceeding 1,000 yards	15,138	8,927	25	..	(h)	..	(h)
In lengths exceeding 1,000 yards	10,048	4,711	31				
Unclassified	447	367	9				
Cotton yarn, purchased and reeled, wound, etc.	16,994	5,016	77	29,861	2,178	28,616	1,930
Rayon, nylon, etc. staple fibre yarn, purchased and reeled, wound, etc. (d)	305	58	..	-	-	-	-
Cotton sliver, rovings, and other intermediate bobbins (d)	7,706	1,063	30	843	49	1,339	73
Waste products sold							
Cotton waste, unmanufactured	157,320	6,017	1,372	273,376	3,230	241,429	2,634
Other waste	..	52	52	..	2	..	13
Total goods and waste products		229,861	..		92,897		75,243

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Amount charged £'000	Entries No.	Quantity	Amount received £'000	Quantity	Amount received £'000
Work done for the trade or on commission							
Spinning							
By cotton spinners		27	14		18		9
By waste spinners		18	..				
Doubling, twisting, etc.		420	59		338		283
Reeling and winding		548	146		399		328
Beaming, sizing, etc.		1,072	184				
Other work done		79	30		5		1
Total work done		2,164	..		760		621
Total		232,025	..		93,657		75,864
Less sales (or production) in other trades (see Table 9)		2,458	..		2,529		1,929
Total principal products of this trade sold or made by establishments in the trade		229,567	686		91,128		73,935

(a) Great Britain only.

(b) United Kingdom.

(c) Specified as up to 2½ ins. on the schedule for the Cotton Spinning and Doubling Trade (1948). These figures show the output by establishments classified to this trade or to the Rayon, Nylon, etc., and Silk Trades only, and exclude the following output returned in other textile trades:-

Trade	1948		1937		1935	
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Linen and Soft Hemp	963	150	-	-	-	-
Woollen and Worsted	3,075	553	182	17	24	3
Jute	2,361	334	-	-	-	-

(d) So far as recorded separately.

(e) Described as "Yarn of staple fibre mixed with other materials" and excluding the output of establishments classified to the Woollen and Worsted Trade.

(f) Including sewing cotton and hand knitting, etc. yarn.

(g) Including some yarn of cotton waste mixed with rayon, nylon, etc. waste.

(h) Not recorded separately.



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

Larger establishments

TABLE 9

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. lbs.	£'000	No.	Th. lbs.	£'000	Th. lbs.	£'000
Single yarn							
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")	140	41	10	131	38	106	34
Of rayon, nylon, etc. staple fibre; of rayon, nylon, etc. waste; of cotton mixed with rayon, nylon, etc. staple fibre; and of cotton waste mixed with rayon, nylon, etc. waste	1,316	210	..	2,594	197	1,625	117
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn							
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")	81	66	..	1,959	279	1,698	239
Finished thread of cotton for sewing, embroidery, etc.	508	404	10	-	-	-	-
Cotton yarn purchased and reeled, wound, etc.	1,678	305	18	17,091	1,119	13,755	852
Cotton sliver, rovings and other intermediate bobbins; and cotton waste, unmanufactured	17,720	641	785	49,639	619	41,333	466
Total goods and waste products		1,666	..		2,252		1,708
Work done for the trade or on commission		Amount charged			Amount received		Amount received
Doubling, twisting, etc.		59	5		10		1
Reeling and winding		21	27		265		219
Beaming, sizing, etc.		712	119				
Other work done		-	-		2		1
Total work done		792	..		277		221
Total		2,458	..		2,529		1,929

(a) Great Britain only.  
(b) United Kingdom.

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

Larger establishments

TABLE 10

	1948(a) Sales		1937(b) Production		1935(b) Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn						
Of continuous filament rayon, nylon, etc.	23,448	5,107	1,840	369	1,247	260
Of spun rayon, nylon, etc., whether or not containing continuous filament	2,086	430	398	44	344	50
Of cotton mixed with continuous filament rayon, nylon, etc.	214	79	225	49	134	41
Hand knitting yarn of rayon, nylon, etc.	111	50	-	-	-	-
Finished thread of rayon, nylon, etc. for sewing, embroidery, etc.	198	113	-	-	-	-
	..	13				
Woollen and worsted yarn (including yarn of wool mixed with other materials)	2,844	762	247	45	238	44
Rayon, nylon, etc. waste sold	2,625	85	762	12	442	7
Other goods	..	191	..	91	..	38
Work done (c)		16		69(d)		100(d)
Total		6,846		679		540

(a) Great Britain only.  
(b) United Kingdom.  
(c) Amount charged in 1948 and amount received in 1937 and 1935.  
(d) Work done for the trade or on commission on textiles other than cotton.

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	46,543	19.8
Export sales organisations (including branches abroad)	10,362	4.4
Other wholesale or selling organisations	7,415	3.2
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	64,320	27.4
Sales to independent buyers		
Exports invoiced directly overseas	6,259	2.7
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	1,187	0.5
His Majesty's Government and Local Authorities (other than productive establishments)	776	0.3
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	122,896	52.3
Wholesalers, merchants and other agents for resale	38,612(a)	16.4
Retailers, including multiple shops, caterers and N. A. A. F. I., for resale	862	0.4
Other businesses (including farmers) and institutions of all kinds; and members of the public, including employees	113	-
Total sales to independent buyers	170,705	72.6
Total	235,025	100.0

(a) Of this total £20,447,000 was recorded as divided between £10,263,000 for export and £10,183,000 for other sales.

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

TABLE 12

		Production (b)	Exports	Retained imports
		Th. lbs.	Th. lbs.	Th. lbs.
Single yarn of cotton or cotton waste				
Counts up to and including 9's	1948	176,423	2,846	3,591
Counts over 9's and up to and including 26's	1948	398,102	18,187	
Total counts up to and including 26's	{ 1948 1937	{ 574,525 763,536(c)	{ 21,033 48,825	{ 3,591 2,429
Counts over 26's and up to and including 40's	{ 1948 1937	{ 156,856 371,524	{ 18,684 44,596	{ 2,923 345
Counts over 40's and up to and including 80's	{ 1948 1937	{ 98,576 181,170	{ 13,464 45,041	{ 337 203
Counts over 80's and up to and including 120's	{ 1948 1937	{ 20,392 37,133	{ 4,747 17,987	{ 242(d) 6(d)
Counts over 120's	{ 1948 1937	{ 1,926 4,411	{ 1,090 2,580	{ .. ..
Total single yarn of cotton or cotton waste	{ 1948 1937	{ 893,136(e) 1,357,774(c)	{ 59,018 159,029	{ 7,093 2,983
Finished thread of cotton for sewing, embroidery, etc.				
In lengths not exceeding 1,000 yards	{ 1948 1937	{ 15,138(f) ..	{ 9,710 13,788	{ 30 427
In lengths exceeding 1,000 yards	{ 1948 1937	{ 10,048(f) ..	{ 2,502 2,205	{ 10 73
Total finished thread of cotton for sewing, embroidery, etc.	1948	25,633(f)(g)	12,212	40
Cotton waste, unmanufactured	{ 1948 1937	{ 157,320(f) 273,802(h)	{ 7,101 67,157	{ 47,050 68,480

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

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

(c) Including 2,540,000 lbs. returned in other trades.

(d) Including counts over 120's.

(e) Including 40,860,000 lbs. unclassified.

(f) Sales.

(g) Including 447,000 lbs. unclassified.

(h) Production for sale. Including 426,000 lbs. made on commission.

Purchased materials and fuel  
Larger establishments

TABLE 13

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Materials						
Raw cotton	891,999	103,379	1,433,655	44,575	1,282,970	37,476
Cotton waste	97,440	6,010	138,098	2,717	130,880	2,252
Cotton yarn	179,643	42,483	146,446	9,689	134,556	8,143
Rayon, nylon, etc.						
Staple fibre	51,263	4,189	19,567	901	6,829	405
Waste	4,190	299	..	(c)	..	(c)
Spun yarn	1,859	290	..	(c)	..	(c)
Continuous filament yarn	25,526	4,212	2,109	261	..	(c)
Packing materials (including wooden reels for sewing cottons, etc.)	..	2,001	..	553	..	(c)
Cotton rovings and other intermediate bobbins	4,041	743 (d)	..	..	..	(c)
Textile machinery accessories and replacement parts						
Bobbins, pirns, cones, tubes, beams, etc.	..	1,252	..	..	..	..
Card clothing	..	236	..	3,382	..	3,634(e)
Spindles, flyers and rollers	..	183	..	..	..	..
Other, including machinery belting, roller covering and the like	..	1,389	..	..	..	..
All other purchased materials	..	2,358	..	..	..	..
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	1,297.9	3,630	1,655.7	1,691	1,583.4	1,406
Coke	13.3	36	..	(c)	3.3	4

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. B.T.U. (kW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	£'000
Fuel and electricity (contd.)						
Electricity purchased (f)						
From public supply	337,844	1,393				
From other sources	844	4	315,009	693	261,773	598
Electricity obtained from other works under the same ownership	2,449	12				
	Th. galls.					
Motor spirit (petrol) and deriv. fuel						
Used for road vehicles	298	29				
Used for other power purposes	394	14				
Other oil fuel (including creosote/pitch mixtures)	6,580	247				
	Th. therms		..	76	..	(c)
Gas purchased from public supply	1,201	50				
Gas purchased from other sources and gas obtained from other works under the same ownership	..	1				
All other purchased fuel	..	18				
Total		174,459		64,538		53,918

(a) Great Britain only.

(b) United Kingdom.

(c) Not recorded separately.

(d) So far as recorded separately.

(e) Including fuel not specified separately.

(f) The total quantity of electricity consumed in 1948 was 418,483,000 B.T. units, including 77,346,000 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. lbs.	£'000	Th. lbs.	£'000
Finished products				
Single yarn				
Of cotton or cotton waste	22,942	3,497	27,349	5,290
Of rayon, nylon, etc. staple fibre	1,305	147	1,535	205
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn				
Of cotton or cotton waste	8,044	1,725	9,524	2,603
Of rayon, nylon, etc. staple fibre	409	66	650	109
Finished thread for sewing, embroidery, etc.	169	69	226	101
Cotton waste, unmanufactured	1,819	81	2,282	111
Other finished products	..	431	..	677
Work in progress		6,947		10,254
Total finished products and work in progress		12,963		19,350
Materials and fuel				
Raw cotton	155,549	15,153	125,892	15,074
Cotton waste	12,258	601	11,068	554
Cotton yarn	15,211	2,754	15,066	3,671
Rayon, nylon, etc. staple fibre	6,538	612	8,007	943
Coal	236.3	574	225.4	578
Other descriptions of materials and fuel	..	1,154	..	1,317
Total materials and fuel		20,848		22,682

## Employment and remuneration

## Larger establishments

## (i) Private firms (a)

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	3,390	9,335	8,861	147	369	304	3,537	9,704	9,165
All ages	51,360	67,678	66,916	6,338	4,592	4,614	57,698	72,270	71,530
Females									
Under 18	8,032	22,062	19,492	454	284	185	8,486	22,346	19,677
All ages	94,115	112,783	109,857	2,304	1,254	1,180	96,419	114,037	111,037
Total									
Under 18	11,422	31,397	28,353	601	653	489	12,023	32,050	28,842
All ages	145,475	180,461	176,773	8,642(e)	5,846	5,794	154,117(e)(f)(g)	186,307	182,537
Total remuneration	£'000	..	..	£'000	..	..	£'000	..	..
	32,375	..	..	4,346	..	..	36,721	..	..

(a) Excluded employees. The following numbers were employed at private 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	37 males	1,601 females
Other workers	247 males	601 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 37 working proprietors (33 males and 4 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £1,109,000.

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

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	129	
Maintenance and repair of firms' buildings, but not plant	339	
Research work not directly connected with current production however charged	6	15

In addition to the employees in the above table the private firms in this trade employed 1 male and 137 female outworkers in 1948, the amount paid to them being £9,000. Similar information is not available for 1937 and 1935.

## (ii) Government Departments (a)

TABLE 15 (contd.)

	Average number of operatives	Administrative, technical and clerical employees (b)	Total
	1948	1948	1948
Males			
Under 18	-	-	-
All ages	36	28	64
Females			
Under 18	-	-	-
All ages	72	22	94
Total			
Under 18	-	-	-
All ages	108	50	158 (c)(d)
Total remuneration	£'000 18	£'000 17	£'000 35

(a) This table covers one establishment, a training centre. The figures shown for operatives refer to pupils only. Excluded employees: the following numbers were employed at this establishment 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	- males	7 females
Other workers	- males	- females

(b) Number at September 25, 1948.

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

(d) The following persons (included in this total) were employed on special work:-

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

## Wages and salaries paid, 1948 (a)

## Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year					Year
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	
Wages and salaries of	£'000	£'000					
Operatives	32,393	9,377	24.0	24.9	24.4	26.8	100.0
Administrative, technical and clerical employees	4,363	1,404	23.9	24.5	25.2	26.3	100.0
Total	36,756	10,781	24.0	24.8	24.5	26.7	100.0

(a) Including bonus and commission payments.

## Payments for work done on materials given out, 1948

## Larger establishments in Great Britain

TABLE 17

Work done	Amount paid
	£'000
Doubling, twisting, etc.	318
Finishing (i.e., bleaching, dyeing and other finishing processes)	2,613
Other work	164
Unclassified	50
Total	3,145

## TEXTILES

Payments for certain services, 1948  
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	948
Of plant, machinery and vehicles	1,647
Unclassified	1,270
Hire of plant, machinery and vehicles	33
Advertising and market research	
Advertising in newspapers, magazines and periodicals	29
Other advertising services (poster display, despatch of circulars, etc.) and market research	8
Unclassified	11
Payments made for research work	
To research associations	18
To universities, institutions, academic bodies and similar agencies	36
To other commercial concerns	55
Postage, telephone, telegrams and cables	128
Commercial insurance premiums	755
Rates (excluding water rates) payable in the year	181

## COTTON SPINNING AND DOUBLING

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	3,672	228	317
Vehicles	92	26	13
Total	3,764	255	330

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)		647
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	21	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	16	
(111) Leasehold buildings and land newly occupied in the year	212	
Total of heading 2		250
Total of headings 1 and 2		896
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	25	
(11) Estimated value of other properties relinquished	10	
Total of heading 3		34
4. Headings 1 and 2 less heading 3		862

- (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.

TEXTILES COUNTRY TABLES  
COTTON SPINNING AND DOUBLING TRADE

1948

Note - There were no larger establishments in Wales in the register for this trade.

Summary  
Larger establishments

TABLE 21

	England	Scotland	Great Britain
	£'000	£'000	£'000
Gross output (production)	230,078	12,652	242,730
Cost of materials and fuel used	166,146	7,023	173,169
Payment for work done on materials given out	1,136	2,009	3,145
Net output	62,796	3,620	66,416
Wages and salaries of persons employed	35,161	1,595	36,756
	No.	No.	No.
Average number of persons employed (a)	146,923	7,389	154,312
	£	£	£
Net output per person employed (a)	427	490	430
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	15,480	3,870	19,350
Materials and fuel	19,714	2,424	22,138
	No.	No.	No.
Number of establishments	711	19	730

(a) Excluding outworkers.

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

	England	Scotland	Great Britain
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (see Table 23)	225,219	11,195	236,414
Adjustment for changes in stocks and work in progress	+ 4,924	+ 1,463	+ 6,387
Less payment for transport by other firms	230,143 65	12,658 6	242,801 71
Gross output (production)	230,078	12,652	242,730
Materials and fuel used by firms in this trade			
Purchases (see Table 24)	166,562	7,897	174,459
Adjustment for changes in stocks	- 416	- 874	- 1,290
Materials and fuel used	166,146	7,023	173,169

## Summary

## Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	32	-	2	34
Average number of persons employed (a)				
Males	89	-	7	96
Females	131	-	7	138
Total	220	-	14	234

(a) Including working proprietors.

Sales in the trade  
Larger establishments

TABLE 23

	England		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. lbs.	£'000		£'000	Th. lbs.	£'000
Principal products						
Single yarn						
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")						
Counts up to and including 9's					44,539	6,029
Counts over 9's and up to and including 26's	..	(a)	..	(a)	277,183	40,126
Counts over 26's and up to and including 40's					104,746	20,120
Counts over 40's and up to and including 56's	34,045	8,448	-	-	34,045	8,448
Counts over 56's and up to and including 80's	24,008	7,578	-	-	24,008	7,578
Counts over 80's and up to and including 120's	8,465	3,723	-	-	8,465	3,723
Counts over 120's	766	467	-	-	766	467
Unclassified	207,737	43,871	-	-	207,737	43,871
Of cotton waste (including mixtures of cotton and cotton waste if known as "waste yarn")						
Counts up to and including 9's						
Produced by condenser method	68,816	7,627	-	-	68,816	7,627
Produced by other methods	8,748	866	-	-	8,748	866
Unclassified	4,575	466	-	-	4,575	466
Counts over 9's	215	29	-	-	215	29
Unclassified	2,962	354	-	-	2,962	354
Of rayon, nylon, etc. staple fibre; of rayon, nylon, etc. waste; of cotton mixed with rayon, nylon, etc. staple fibre; and of cotton waste mixed with rayon, nylon, etc. waste	55,076	8,455	-	-	55,076	8,455

TABLE 23 (contd.)

	England		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Principal products (contd.)						
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn						
Of cotton (including mixtures of cotton and cotton waste if known as "cotton yarn")						
Counts up to and including 26's	125,637	23,637	3,710	684	129,347	24,321
Counts over 26's up to and including 80's	31,217	10,646	313	87	31,530	10,733
Counts over 80's	..	(a)	..	(a)	7,626	4,783
Unclassified	42,911	14,453	1,003	201	43,914	14,654
Of cotton waste (including mixtures of cotton and cotton waste if known as "waste yarn")	..	(a)	..	(a)	5,062	490
Of cotton mixed with rayon, nylon, etc. staple fibre	574	133(b)	-	-	574	133(b)
Hand knitting, etc. yarn of cotton and cotton waste	414	59	-	-	414	59
Finished thread of cotton for sewing, embroidery, etc.	..	(a)	..	(a)	25,126	13,602
Cotton yarn, purchased and reeled, wound, etc.	14,925	4,546	391	166	15,315	4,712
Rayon, nylon, etc. staple fibre yarn, purchased and reeled, wound, etc.	..	(a)	..	(a)	305	58
Cotton sliver, rovings and other intermediate bobbins; and cotton waste, unmanufactured	142,519	6,191	4,787	247	147,306	6,439
Waste products other than cotton waste, unmanufactured	..	42	..	10	..	52
Total goods and waste products		217,172		11,023		228,195



TABLE 23 (contd.)

	England		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Principal products (contd.)						
Work done for the trade or on commission (c)						
Spinning						
By cotton spinners		27		-		27
By waste spinners		18		-		18
Doubling, twisting, etc.		(a)		(a)		361
Reeling and winding		(a)		(a)		527
Beaming, sizing, etc.		360		-		360
Other work done		(a)		(a)		79
Total work done		1,304		68		1,372
Total principal products		218,476		11,091		229,567
Other output						
Doubled yarn (i.e., doubled or twisted yarn advanced beyond the stage of single yarn) other than hand knitting yarn						
Of continuous filament rayon, nylon, etc.	..	(a)	..	(a)	23,448	5,107
Of spun rayon, nylon, etc., whether or not containing continuous filament	2,086	430	-	-	2,086	430
Of cotton mixed with continuous filament rayon, nylon, etc.	214	79	-	-	214	79
Hand knitting yarn of rayon, nylon, etc.	111	50	-	-	111	50
Finished thread of rayon, nylon, etc. for sewing, embroidery, etc.	198	113	-	-	198	113
	..	13			..	13
Woollen and worsted yarn (including yarn of wool mixed with other materials)	..	(a)	..	(a)	2,844	762
Rayon, nylon, etc. waste sold	..	(a)	..	(a)	2,625	85
Other goods	..	172	..	18	..	191
Work done		16(c)		-		16(c)
Total		225,219		11,195		236,414

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

(b) Including some yarn of cotton waste mixed with rayon, nylon, etc. waste.

(c) Amount charged.

Purchased materials and fuel  
Larger establishments

TABLE 24

	England		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Materials						
Raw cotton	876,311	100,949	15,688	2,431	891,999	103,379
Cotton waste	..	(a)	..	(a)	97,440	6,010
Cotton yarn	164,362	38,523	15,280	3,960	179,643	42,483
Rayon, nylon, etc.						
Staple fibre	51,263	4,189	-	-	51,263	4,189
Waste	4,190	299	-	-	4,190	299
Spun yarn	1,859	290	-	-	1,859	290
Continuous filament yarn	25,225	4,162	301	50	25,526	4,212
Packing materials (including wooden reels for sewing cottons, etc.)	..	(a)	..	(a)	..	2,001
Cotton rovings and other intermediate bobbins	4,041	743	-	-	4,041	743
Textile machinery accessories and replacement parts						
Bobbins, pirns, cones, tubes, beams, etc.	..	1,230	..	22	..	1,252
Card clothing	..	233	..	3	..	236
Spindles, flyers and rollers	..	177	..	6	..	183
Other, including machinery belting, roller covering and the like	..	1,326	..	64	..	1,389
All other purchased materials	..	2,202	..	155	..	2,358
Fuel and electricity	Th. tons.		Th. tons		Th. tons	
Coal	1,282.0	3,587	15.9	44	1,297.9	3,630
Coke	13.3	36	-	-	13.3	36
Electricity purchased (b)	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
From public supply	311,290	1,285	26,554	108	337,844	1,393
From other sources	844	4	-	-	844	4

TABLE 24 (contd.)

	England		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)	Th. B. T. U. (kW. hrs.)	£'000		£'000	Th. B. T. U. (kW. hrs.)	£'000
Electricity obtained from other works under the same ownership	2,449	12	-	-	2,449	12
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	280	28	18	2	298	29
Used for other power purposes	..	(a)	..	(a)	394	14
Other oil fuel (including creosote/pitch mixtures)	..	(a)	..	(a)	6,580	247
	Th. therms		Th. therms		Th. therms	
Gas purchased from public supply	1,179	49	22	1	1,201	50
Gas purchased from other sources and gas obtained from other works under the same ownership	..	1	-	-	..	1
All other purchased fuel	..	11	..	7	..	18
Total		166,582		7,897		174,459

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

(b) The total quantity of electricity consumed in England was 397,669,000 B.T. units, including 73,086,000 generated in the same works. The total quantity of electricity consumed in Scotland was 30,814,000 B.T. units, including 4,280,000 generated in the same works.

## Employment and remuneration: Larger establishments

## (i) Private firms

TABLE 25

	England			Scotland			Great Britain		
	Average number of operatives	Admin-istrative, technical and clerical employees (a)	Total	Average number of operatives	Admin-istrative, technical and clerical employees (a)	Total	Average number of operatives	Admin-istrative, technical and clerical employees (a)	Total
Males									
Under 18	3,306	141	3,447	84	6	90	3,390	147	3,537
All ages	49,821	5,952	55,773	1,539	386	1,925	51,360	6,338	57,698
Females									
Under 18	7,432	415	7,847	600	39	639	8,032	454	8,486
All ages	88,891	2,069	90,960	5,224	235	5,459	94,115	2,304	96,419
Total									
Under 18	10,738	556	11,294	684	45	729	11,422	601	12,023
All ages	138,712	8,021(b)	146,733 (b) (c)	6,763	621(b)	7,384 (b) (c)	145,475	8,642(b)	154,117 (b) (c)
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Total remuneration	31,003	4,123	35,126	1,372	223	1,595	32,375	4,346	36,721

(a) Number at September 25, 1948.

(b) There were, in addition, 37 working proprietors (33 males and 4 females) in Great Britain; 29 males and 3 females in England, and 4 males and 1 female in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £1,109,000; £1,055,000 for England and £53,000 for Scotland.

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

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
England	1	137	138	£'000 9
Scotland	-	-	-	-
Great Britain	1	137	138	9

## (ii) Government Departments

The Government establishment classified to this trade was in England; for particulars of employment and remuneration therein see Table 15(ii).

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

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England	Scotland	Great Britain		England	Scotland	Great Britain
1948				1948			
January	96.6	95.6	96.4	August	100.5	99.1	100.3
February	97.5	96.8	97.4	September	101.1	102.3	101.3
March	97.5	96.9	97.4	October	102.0	104.5	102.4
April	99.5	96.9	99.1	November	102.5	105.7	103.0
May	102.1	98.5	101.6	December	101.1	105.8	101.8
June	99.6	99.4	99.6	Percentage employ- ment in this trade covered by the index	26.4	91.7	29.5
July	100.0	98.4	99.7				

(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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