THE COTTON TRADE

As in previous years, the Cotton Trade for 1935 was divided into two sections, viz. (I) Spinning and Doubling (including the manufacture of sewing cotton) and (II) Weaving. The spinning and doubling departments of firms engaged also in weaving are included as separate businesses in (1). Firms that also operated bleaching, dyeing and finishing departments furnished additional returns for those departments (see the Textile Finishing Trade, page 183). These departmental returns gave little difficulty as a rule, but a number of firms made wages returns in respect of their business as a whole and the separate details shown for 1935 (page 48) include some estimates.

Firms manufacturing goods of artificial silk as well as of cotton are included in the Silk and Artificial Silk Trade (see page 100) if the weaving of artificial silk was the more important section of the business.

The numbering of some of the tables differs from that indicated in the Introductory Notes.

(I) COTTON SPINNING AND DOUBLING

Table I A.—General summary

Particulars	1935	1934	1933	1930*	1924*
Value of products (Gross output) Cost of materials, fuel and electricity used Amount paid for work given out Net output	£'000 74,324 53,783 343 20,198	£'000 71,321 50,468 299 20,554	£'000 67,575 47,701 285 19,589	£'000 78,624 58,584 212 19,828	£'000 195,271 147,902 456 46,913
Average number of persons employed	No.	No.	No.	No.	No.
Net output per person employed	£ III No.	£ 112	£ 107	196,756 104 No.	£ 186
Number of returns Number of establishments	761 818	} †	† {	911 1,000	No. 1,114 †

^{*} The figures relate to Great Britain only, particulars of the small production in Northern Ireland not being available for publication.

† Not available.

Table I B.—Firms employing not more than ten persons on the average

4.08 4.03	Particulars	9,7,8 65-7,	20	1935	1930*	1924
Number of 1	eturns received	1.00.	20 7	No. 59	No. 103	No. 34
Average nur Males Females	mber of persons emplo	689.5		169	276	48
remales	Total	## 6.45 8.5.5.52		376	325 601	142
Number of i	îrms not making retur	rns	mirro	2	18	13

^{*} Great Britain only.

Table II.—Size of establishments in 1935

Size establish (average employ	nment numb		Number of establish- ments	Gross output	Net output	Number of persons employed	Net output per person employed
production le tre			No.	£'000	£,'000	No.	£
11-24			59	503	154	1,056	146
25-49			105	1,790	511	3,910	131
50-99		3.1 1 1 9	114	3,654	985	8,379	118
100-199			180	10,992	2,779	26,622	104
200-299		W	170	17,602	4,216	41,842	IOI
300-399			83	11,944	3,097	28,819	107
400-499			48	8,707	2,178	21,428	102
500-749		ALCOUNT OF	35	8,378	2,394	21,216	113
750-999			14	4,036	1,211	11,604	104
1,000 and ove	r	•	10	6,718	2,673	17,539	152
TOTAL		1914	818	74,324	20,198	182,415	111

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area*	Number of establish- ments†	Gross output	Net output	Average number of persons employed	Net output per person employed
$\begin{bmatrix} 2 & \cdots & \begin{bmatrix} 1935 \\ 1930 \\ 3 & \cdots \end{bmatrix} \begin{bmatrix} 1935 \\ 1935 \\ 1930 \end{bmatrix}$	No. 688 788 78 78	£'000 63,759 67,849 4,846 4,266	£'000 16,205 16,403 1,419 1,153	No. 154,978 165,362 11,251 9,819	£ 105 99 126 117
14 1935	12	3,209	1,841	8,968	205
15, 16 and 17 1935	4	190		711	58
$_{14}$ to $_{17}$ $\begin{cases} _{1935} \\ _{1930} \end{cases}$	16	3,399	1,882	9,679	194
	16	4,253	1,668	10,152	164
6 1935	29	2,013	592	5,598	106
Other areas 1935	7	307	100	909	
6 and other $\begin{cases} 1935 \\ 1930 \end{cases}$	36	2,320	692	6,507	106
	29	2,256	604	5,403	112
TOTAL { 1935 1930	818 911	74,324 78,624	20,198 19,828	182,415 190,736	111

^{*} For particulars see page (xviii).
† Number of returns for 1930.
‡ Excluding Northern Ireland.

Table IV.—Sub-divisions of the industry

Group	Number of establish- ments*	Gross output	Net output	Average number of persons employed	Net output per person employed
Spinners (including spinners and doublers) mainly of:—	No.	£'000	£'000	No.	£
Waste yarns $\begin{cases} 1935 \\ r930 \end{cases}$	108 97	3,375 3,472	1,045	7,149 7,161	146 146
Counts up to \(1935 \)	349 402	43,853 <i>44,433</i>	10,720	101,536	105 101
40's and 1935 up to 80's 1930	126	13,700	4,553 4,636	39,698 46,842	115
Counts over 1935 80's 1930 Doublers only	32 42	2,638 3,858	937 1,205	8,332	112 <i>III</i>
(including com- mission doub- ling)	166 152	9,592 8,710	2,670 2,353	23,337	115
Other firms (reelers, winders, etc.) 1935	37 35	1,166 898	273 228	2,363 2,089	115
TOTAL { 1935 1930	911 818	74,324 78,624	20,198 19,828	182,415 190,736	111

^{*} Number of returns for 1930.

The grouping shown above is based on the principal kind of production in which firms were engaged. As many spinning firms made yarn over a wider range of counts than that of a single group, and a large number also produced doubled yarn, there is a certain overlapping between one group and another. The extent of this overlapping may be seen in Table V C., which shows for each range of counts the total quantities of yarn produced by these groups of firms.

The principal items comprised in the gross output of each group are shown below:-

and the control of th	Cotto	n yarn			Amount	
Group	Single	Doubled (including sewing cotton)	Cotton waste, unmanu- factured	Other	received for work done on com- mission	Total
Spinners (including spinners and doublers) mainly of:—	£'000	£'000	£'000	£'000	£'000	£'000
1935	3,151	139	48	37	. Lang	3,375
Waste yarns {	3,4	423	49	_	-	3,472
Other yarns:— Counts up to 1935	37,911	4,248	1,226	429	39	43,853
40's _1930	43,	428	914	84	7	44,433
Counts over \[1935 \] 40's and up \{	10,209	2,513	712	261	5	13,700
to 80's \ 1930	16,	462	777	9	5	17,253
Counts over 1935	1,982	448	149	56	3	2,638
80's 1930	3,0	648	177	27	6	3,858
Doublers only (in- [1935]	75 -	8,766	27	450	349	9,592
cluding commis-	8,,	372	25	82	231	8,710
Other firms (reelers,) 1935	_	192	5	866	103	1,166
winders, etc.) \ 1930	2	41	I	589	67	898
	53,253	16,306	2,167	2,099	499	74,324
TOTAL { 1930	75	,574	1,943	791	316	78,624

PRODUCTION

Table V A.—Total make of single Cotton Yarn

(including yarn spun and used for further manufacturing processes in the same works and yarn spun on commission)

			193	35	1934
Single cotton ya	ırn		Quantity	Entries	Quantity
Counts spun:— Up to 20's:— Spun from raw cotton* Spun from waste†			Th. lbs. 403,849 109,384	No. 291 115	Th. lbs. 404,403 80,000
Over 20's and up to 40's Over 40's and up to 56's Over 56's and up to 80's		 	497,672 101,821 74,950 36,991	387 253 186 127	499,794 101,108 76,957 36,790
Over 80's and up to 120's Over 120's TOTAL		 	3,098	52	1,203,455

^{*} Including 1,011,000 lbs. (3 entries) in 1935 and 1,460,000 lbs. in 1934 returned

on schedules for other trades. Including 913,000 lbs. (3 entries) in 1935 returned on schedules for other trades.

The weights shown in the preceding and in subsequent tables represent varn after conditioning.

Table V B .- Total make of single Cotton Yarn, 1924-1935

Single cotton yarn	1924	1930	1933	1934	1935
10 mg 1 2 mg 1 mg 1 mg 1 mg 1 mg 1 mg 1 mg	N Konsonos	3	Thousand lb	S. — ()	greens ers
Counts spun :		The state of the s	GON COLORS	1 0 5 0 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Up to 40's Over 40's and up to	1,021,879	821,600	949,026	984,197	1,010,905
80's Over 80's and up to	313,707	185,164	190,852	178,065	176,771
120's Over 120's	55,874 3,623	36,835 3,504	36,616 3,129	36,790 4,403	36,991 3,098
TOTAL	1,395,083	1,047,103	1,179,623	1,203,455	1,227,765

The average weight of single yarn produced per head of the persons employed in the Cotton Spinning and Doubling Trade was as follows:—

			ws.
1924	•••		5,516
1930		now oil waturin	5,484
1933		co	6,391
1934		2 08e/o all	6,537
1935		em or modern	6,720

These figures are based on the total number of persons employed in the Cotton Spinning and Doubling Trade in each year, but it may be noted that from 1930 onwards there has been a continuous increase in the output of artificial silk products in the trade. Accordingly the number of employees actually engaged in the production of cotton yarn has probably declined to a somewhat greater extent than is indicated by the total employment figures and the above figures understate the increase that has taken place.

Among the factors contributing to the large increase in the per capita yarn production may be mentioned the steady growth in the proportion of the coarser counts spun. The following figures' show the output of yarn up to 40's as percentages of the total production in each year and up to 20's for the years for which such information is available:-

			Up to 40's Per cent.	Up to 20's Per cent.
1924	0	120	 73.2	···
1930		848	 78.5	
1933			 80.5	39.4
1934			 81.8	40.3
1935	9,000		 82.3	41.8

[§] Including 871,000 lbs. in 1934 returned on schedules for other trades.

Table V C .- Production of yarn by principal groups

	Cou	nts of sing	le yarn s	pun	Materials used		
Group	Up to 40's	Over 40's and up to 80's	Over 80's	Total	Raw	Cotton	
Spinners, mainly of :-	of Functo		Thousa	nd lbs.			
Waste yarns $\begin{cases} 1935 \\ 1930 \end{cases}$	103,349	309	Ξ	103,658	5,305	110,385	
Other yarns: Up to 40's $\begin{cases} 1935 \\ 1930 \end{cases}$	862,433 693,687	61,357 49,533	4,084 2,459	927,874 745,679	1,028,138	20,435	
Over 40's and up to 80's 1935	42,028 34,424	107,779	20,565 18,605	170,372 181,782	217,385	* 60	
Over 80's $\begin{cases} 1935 \\ 1930 \end{cases}$	1,171 525	7,326 6,878	15,440 19,275	23,937 26,678	32,142	*	
TOTAL $\begin{cases} 1935 \\ 1930 \end{cases}$	1,008,981 820,552	176,771 185,164	40,089 40,339	1,225,841 1,046,055	1,282,970	130,880	

* Not recorded.

Apart from waste spinning, 95 per cent. of the total output of the coarser counts (up to 40's) in 1935 was produced by the firms that were chiefly engaged in spinning yarn of these counts. For the groups mainly concerned with the finer counts, the corresponding proportions of the total production were 61 per cent. for counts over 40's and up to 80's, and 39 per cent. for counts over 80's.

The yield of yarn in relation to the weight of raw materials consumed in 1935, was 89.6 per cent. for waste spinners and for the three groups producing wholly or mainly from raw cotton 88.5 per cent. (up to 40's), 78.4 per cent. (over 40's and up to 80's) and 74.5 per cent. (over 80's).

Table V D.—Consumption of Cotton Yarn

The quantities of cotton yarn consumed in the undermentioned trades in the years 1933, 1934 and 1935 were as follows; corresponding particulars are not available for the year 1930.

Trade	1933	1934	1935
Cotton Weaving	Th. lbs. 802,881 * 26,223 60,041 * 13,724 4,648 37	Th. lbs. 831,794 26,000 28,864 21,670 62,559 * 14,995 4,598 43	Th. lbs. 851,505 25,000 39,532 20,584 62,345 21,728 16,505 4,922 34,402 42
Total—Cotton yarn used	997,554†	990,523†	1,076,565
Cotton yarn :—· Total production Exports Retained imports	1,179,623 135,112 1,971	1,203,455 130,427 2,566	1,227,765 141,674 1,550
Amount available for consumption	1,046,482	1,075,594	1,087,641

^{*} Not ascertained.

The total quantity of cotton yarn recorded as used in 1935 was about 1 per cent. less than the amount estimated to have been available for consumption in the year. It may be noted, however, that the figures given against the consuming trade (and those for exports and retained imports) represent the weight of the yarn in the form in which it was delivered, i.e. single or doubled; the weight shown for production is the total conditioned weight of single yarn and includes the waste occurring in doubling or other processes carried out on the yarn before its purchase by firms in other trades.

Table V E.—Principal products made for sale or on commission

Kind of output	1935			1934		
	Quantity	Value	Entries	Quantity	Value	
Goods made for sale Cotton yarn, including sewing cotton:—	Th. lbs.	£'000	No.	Th. lbs.	£'000	
Single Doubled Cotton waste, unmanufactured	1,159,628 181,203 241,429	53,287 16,658 2,634	553 506 1,794	1,127,932 180,569* 234,465	51,117 16,797* 2,170	
Cotton yarn purchased and reeled, wound, warped, etc. †	28,616	1,930	84	25,540*	1,696*	
TOTAL—Goods made for sale	012	74,509			71,780	
Goods made on commission Cotton yarn, including sewing cotton:—	: 1915 : 144,1	Amount		. regesize	Amount	
Single Doubled Cotton waste, unmanufactured Cotton yarn, reeled, wound, warped, etc	1,040 14,955 57	9 280 1	18 132 7	1,064 15,111 123	10 265 1	
Total—Work done on commission	39,754	618		36,135	284 560	
Total—Principal products	.adi. neil	75,127	c todi ev	cess A 7	72,340	

^{*} Corrected figure.

[†] So far as recorded.

[†] The heading for 1934 was not confined to purchased yarn.

The figures shown in the preceding table include the following output recorded by firms whose returns were made on schedules for other trades and are not, therefore, included in Table I A.

Kind of output	in areas	1935	1934		
gentung ai sadak ataga	Quantity	Value	Entries	Quantity	Value
Goods made for sale Cotton yarn, including sewing	Th. lbs.	£'000	No.	Th. lbs.	£'000
cotton:— Single	106	34	4	19,21 V	eldeT
Doubled Cotton waste, unmanufactured	3,522 41,379	35 ² 4 ⁶ 7	17	1,898 41,440	256 413
Cotton yarn purchased and reeled, wound, warped, etc.	14,126	869	15	14,002	872
Total—Goods made for sale	***************************************	1,722	••• 453	100 · 101000	1,541
Goods made on commission Cotton yarn, including sewing cotton:—	7772.00 870.01	Amount received			Amount received
Doubled Cotton waste, unmanufactured Cotton yarn, reeled, wound,	30 57	I	3 7	113	
warped, etc	26,264	219	68	22,042	178
Total—Work done on commission	10000000	221		•••	179
Total		1,943		dibuftata ,	1,720

Of the total output of 1,227.8 million lbs. of single cotton yarn in 1935 (see Table V A.), 1,159.6 million lbs., or 94.5 per cent. were sold (or transferred to other works owned by the spinners) in the form of single yarn, the remainder (68.2 million lbs.) being used in the same works for doubling or for sewing cotton. The proportion sold as single yarn in 1934 was 93.7 per cent. and in 1933, 96.0 per cent.

Table X A. shows that 132.2 million lbs. of cotton yarn were purchased and used in 1935 by firms that made returns on schedules for the Cotton Spinning and Doubling Trade. This amount may be assumed to have consisted of single yarn purchased for doubling, reeling, winding, etc., and is duplicated in the output of figures shown in Table V E. Taking the output of single yarn in the Cotton Spinning and Doubling Trade alone (1,225.8 million lbs.), the disposals in 1935 were as follows:—

Single cotton yarn	Quantity			
Used in spinners own works for doubling or ma		re of se	wing	Mill. lbs. 66·3
Sold to firms in the trade for doubling or manufact	ture of se			117.0
Sold to firms in the trade for reeling, winding, etc Sold to firms outside the trade	· · · · · · · · · · · · · · · · · · ·			15·2 1,027·3
Total	l			1,225.8

Table V F.—Principal products made for sale or on commission, 1924-1935

Kind of output	1924	1930	1933	1934	1935
Goods made for sale Cotton yarn, including sewing cotton:—	At			cheralones, eng	
Single $$ $\begin{cases} Th. lbs. \\ f'ooo \\ Th. lbs. \end{cases}$	1,528,318	1,167,029	\[\int 1,132,293 \\ 48,774 \\ \int 165,774 \\	1,127,932 51,117	1,159,628 53,287
Cotton waste, un- $\int Th$. lbs.	\[\begin{align*} 187,947 \\	76,097 202,589	165,146 15,561 234,576	180,569 16,797 234,465	181,203 16,658 241,429
manufactured \(\f'\) ooo Cotton yarn pur-\(\c) chased and \(\tau h. \ lbs. \)	5,585	2,342 14,433	2,102	2,170	2,634 28,616
reeled, wound, £'000 warped, etc.*	1,122	1,383	1,884	1,696	1,930
Total—Goods made for sale £'000	194,654	79,822	68,321	71,780	74,509
Goods made on commission Cotton yarn, including sewing cotton:—	i sens	566.20 Sh	.19.50 .19.50 .19.50 .19.50 .19.50	71 (1.2) 3 73 7677 (3 30 3 23 23	ISBNIE D LASSEM LOSS BLANCA
Single $$ $\begin{cases} Th. lbs. \\ f'ooo \\ Th. lbs. \end{cases}$	9,946	9,639	\[\begin{align*} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1,064 10 15,111	1,040 9 14,955
Doubled $\begin{cases} f'. los. \\ f'ooo \end{cases}$ Cotton waste, un- $\begin{cases} Th. lbs. \\ f'ooo \end{cases}$		22 I	229 II	265 123	28c
Cotton yarn, reeled, wound, warped, etc	4,946‡ 66‡		38,696 3°3	36,135 284	39,754 328
Total—Work done on commission £'000	587	438	545	560	618
Total — Princi- Pal products £'000	195,241	80,260	68,866	72,340	75,127

^{*} The figures for years earlier than 1933 are incomplete. † Less than £500. ‡ So far as recorded.

Table VI.—Average values of goods produced, exported and imported

2013 0.00 1 606.340 1 806	Production (at factory)			Exp (f.o.		Imports (c.i.f.)	
Kind of goods	Average value		Average value as a per-		e value	Average value	
2 20,00 27 200.9	1935	1934	centage of 1934	1935	1934	1935	1934
Cotton yarn, including sewing cotton:—	Pence per lb.	Pence per lb.	Per cent.	Pence per lb.	Pence per lb.	Pence per lb.	Pence per lb.
Single Doubled Cotton yarn, reeled,	11.03	10.88	101.4	18·35* 58·97†			9.84*
wound, warped, etc. Cotton waste, unmanufactured	2.62	2.22	117.9	3.62	2.78	3.50	3.35

^{*} Cotton yarn, grey, unbleached.

[†] Finished thread of cotton, for sewing, crocheting, etc.

Table VII.—Volume of Production, 1924-1935

NAVA PARTY TO SEE	Tot	al produc	Production index (1935 = 100)				
Kind of output		1934		i mai	ARTINES Mary LINGS		nouth.
	as returned	As returned	At 1935 average values	1924	1930	1933	1934
Goods made for sale :— Cotton yarn (including sewing cotton) :—	£'000	£'000	£'000	Per cent.	Per cent.	Per cent.	Per cent.
Single Doubled Cotton waste, unmanu-	53,287 16,658	51,117 16,797	51,827 16,768	}113	87 {	98 92	97 101
factured Cotton yarn, reeled,	2,634	2,170	2,564	98	84	97	97
wound, warped, etc. Goods made on commis-	1,930	1,696	1,723	38	50	97	89
sion	618	560	593	39	50	94	96
TOTAL	75,127	72,340	73,475	110	86	97	98

Table VIII.—Production in relation to Exports and Imports

Counts of yarn	Pro- duction	: Exports	proportion of Retaine imports duction exported		Available for use in the United Kingdom	Share of home market held by British goods
	Th. lbs.	Th. lbs.	Per cent.	Th. lbs.	Th. lbs.	Per cent.
IIn to 40's \\ \int 1935	1,010,905	81,454	8.1	1,358	930,809	99.9
Up to 40's \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	984,197	74,169	7.5	2,516	912,544	99.7
Over 40's and up 1935	176,771	41,648	23.6	176	135,299	99.9
to 80's \ 1934	178,065	38,337	21.5	42	139,770	100.0
Over 80's and up 1935	36,991	16,249	43.9	15	20,757	99.9
to 120's \ 1934	36,790	15,916	43.3	3	20,877	100.0
Over 120's \ 1935	3,098	2,323	75.0	I	776	99.9
Over 120's \ 1934	4,403	2,005	45.6	5	2,403	99.8
C1935	1,227,765	141,674	11.5	1,550	1,087,641	99.9
TOTAL $\begin{cases} 1935 \\ 1934 \end{cases}$	1,227,765	130,427	10.8	2,566	1,075,594	99.8
Cotton waste, un- 1935	241,486	73,931	30.6	55,002	222,557	75.3
manufactured \[1934]	234,588	74,709	31.9	52,926	212,805	75·I

Table IX.—Other output of the Cotton Spinning and Doubling Trade

The value of the gross output of the firms whose returns were made on schedules for the Cotton Spinning and Doubling Trade was £74,324,000 in 1935 and £71,321,000 in 1934, of which £73,184,000 in 1935 and £70,620,000 in 1934 consisted of products included in Table V E. Particulars of the remaining items are shown below.

Kind of output	193	35	1934		
Tone and the second second	Quantity	Value	Quantity	Value	
Yarn, spun, doubled or otherwise worked:—	Th. lbs.	£'000	Th. lbs.	£'000	
Of artificial silk Of staple fibre Of artificial silk mixed with other	1,278 6,114	$ \begin{array}{c} 264 \\ 533 \end{array} $	1,935	304	
materials	134 264	4 ¹ 34	1,055	157	
Woollen and worsted yarns Other goods made Work done on commission (bleaching,	238	44 122	333	52 133	
dyeing, winding, warping, etc.)		102*		55*	
TOTAL		1,140		701	

^{*} Amount received.

MATERIALS AND FUEL

Table X A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	19	35	1934		
	Quantity	Cost	Quantity	Cost	
Raw cotton	Th. lbs. 1,282,970 130,880 132,174 6,829 Th. tons 1,583.2	£'000 37,476 2,252 8,011 405	Th. lbs. 1,278,076	£'000 35,677	
Heavy fuel oil Purchased electricity* All other purchased materials and fuel	3·3 Th. galls. 158 Th. B.T.U. (Kwhrs.) 260,202	4 4 596 3,629		14,791	
TOTAL	•••	53,783	•••	50,468	

^{*} Including electricity generated in other works under the same ownership,

Table X B.—Consumption of coal, coke and electricity in 1935 and 1930

Kind of fuel		1935	1930*
Coal	4	Th. tons 1,583·2	Th. tons 1,768.8
Coke		3.3	1.8
Electricity:		Th. B.T.U. (Kwhrs.)	Th. B.T.U. (Kwhrs.)
Generated in the same works	•••	76,671	115,543†
Generated in other works under same ownership Purchased	•••	2,101 258,101	944
Total electricity consumed		336,873	311,167

^{*} Great Britain only.

EMPLOYMENT

Table XI A.—Average numbers employed in 1935 and 1934

JEL.	Males		Females		Total	
Persons employed	Under 18	All	Under 18	All	Under 18	All
Operatives (average for \$\) 1935 the year) \$\) 1934 Administrative, technical and clerical staff* \$\) 1934	8,860 8,174 304 246	66,897 68,481 4,613 4,773	19,477 17,666 185 140	109,727 109,388 1,178 1,108	28,337 25,840 489 386	176,624 177,869 5,791 5,881
TOTAL $\left\{\begin{array}{ccc} 1935 \\ 1934 \end{array}\right.$	9,164 8,420	71,510 73,254	19,662 17,806	110,905	28,826 26,226	182,415 183,750

^{*} As at 12th October, 1935, and 13th October, 1934.

[†] Corrected figure.