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BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 6

Trade D

RAYON, NYLON, ETC. AND SILK



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

LONDON: HER MAJESTY'S STATIONERY OFFICE

1956

TWO SHILLINGS NET

42
[HA 251]

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* Not applicable to this trade

RAYON, NYLON, ETC. AND SILK TRADE

THIS REPORT on the Rayon, Nylon, etc. and Silk Trade relates to establishments engaged wholly or mainly (a) in the manufacture of continuous filament yarn and staple fibre of rayon, nylon, etc., (b) in throwing and spinning silk, in doubling yarn of rayon, nylon, etc., and in manufacturing sewing thread of silk and rayon, nylon, etc. and (c) in weaving fabrics of silk and rayon, nylon, etc.

Weavers who also converted rayon, nylon, etc. cloth to the finished state, or made it up into household textiles, in the main made separate returns (though not for 1937 or 1935) for their converting and making-up departments; these departments are included in the reports on the Textile Converting Trade and Made-up Household Textiles Trade.

This trade corresponds to minimum list headings 113 and 114 in the Standard Industrial Classification.

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

TEXTILES
RAYON, NYLON, ETC. AND SILK TRADE

Summary

Larger establishments (a)

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935
Gross output (production) (c)	£'000 200,583	£'000 151,131	£'000 120,584	£'000 ..	£'000 101,596	£'000 45,321	£'000 41,467
Cost of materials and fuel used (d)	116,618	78,775	65,892	..	53,851	24,235	22,056
Payment for work done on materials given out	3,170	3,023	2,812	..	2,813	1,356	923
Excise duty	-	-	-	..	-	2,168	2,091
Transport payments (e)	905	..	..	..	..	..	..
Net output	79,889	69,334	51,880	..	44,933	17,562	16,397
Wages and salaries of persons employed	33,856	28,752	25,494	..	22,040	..	..
Average number of persons employed (f)	No. 92,061	No. 89,289	No. 82,985	No. ..	No. 78,582	No. 90,839	No. 88,010
Net output per person employed (f)	£ 868	£ 777	£ 625	£ ..	£ 572	£ 193	£ 186
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	20,661	11,415	9,707	..	8,002	..	..
Materials and fuel	23,010	16,492	13,760	..	14,557	..	..
Number of establishments	No. 386	No. 376	No. 365	No. ..	No. 357	No. ..	No. 325

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

	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)							
Principal products (h)	172,187	149,872	120,074	..	86,342	35,371	30,267
Other output (i)	19,641						
Changes in stocks and work in progress (j)	+ 8,755	+ 1,865	+ 942	..	+ 1,135		
Less payment for transport outwards (e)	200,583	151,737	121,016	..	101,908	45,321	41,467
Gross output (production)	200,583	151,131	120,584	..	101,596	45,321	41,467
Materials and fuel used by firms in this trade							
Purchases	123,178	81,524	65,876	..	56,741	24,235	22,056
Changes in stocks (j)	- 6,560	- 2,748	+ 15	..	- 2,891		
Materials and fuel used	116,618	78,775	65,892	..	53,851	24,235	22,056

- (a) For small firms' summary see Table 2.
 (b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.
 (d) Amounts paid for delivery services are excluded for 1951 but included for other years.
 (e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.
 (f) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.
 (g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).
 (h) For details for 1951 and 1948 see Table 8.
 (i) For details for 1951 and 1948 see Table 10.
 (j) For details for 1951 see Table 21.

Summary

Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	16	23	21	21	19
Average number of persons employed (b)					
Males	33	52	41	41	44
Females	83	100	97	97	91
Total	116	152	138	138	135

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

Estimated average employment (a)

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	92,061	89,289	82,985	(c)	78,582
Employing on the average ten or fewer persons (d)	116(e)	152(e)	138	138	135
Estimated average employment in firms not making satisfactory returns	92,177	89,441	83,123	(c)	78,717
-	-	13	-	-	88
Estimated average employment in all firms	92,177(e)	89,454(e)	83,123	(c)	78,805

- (a) Including working proprietors.
 (b) See Tables 13(iv) and 14.
 (c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (d) See Table 2.
 (e) Excluding any small firms in Northern Ireland.

Analysis by size, 1951

TABLE 4

Larger establishments in the United Kingdom

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	41	821	328	692	161	46	207	474
25 - 49	63	3,562	1,276	2,292	564	149	713	557
50 - 99	88	12,691	3,760	6,260	1,716	360	2,076	601
100 - 199	83	25,431	7,580	11,453	3,162	578	3,740	662
200 - 299	54	25,377	8,334	13,308	3,618	723	4,342	626
300 - 399	21	14,674	4,695	7,200	1,955	415	2,370	652
400 - 499	8	7,826	2,154	3,623	1,102	164	1,267	595
500 - 749	11	11,176	3,925	6,515	1,915	480	2,395	602
750 - 1,499	4	9,483	3,032	4,199	1,251	274	1,525	722
1,500 - 1,999	6	16,431	8,171	10,298	2,927	989	3,916	794
2,000 and over	7	73,111	36,635	26,221	8,352	2,955	11,307	1,397
Total	386	200,583	79,889	92,061	26,724	7,132	33,856	868

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951
Larger establishments in the United Kingdom

TABLE 5

Region	Estab-lish-ments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percent- age of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England, Wales and Northern Ireland									
Northern: North Midland: Southern: Midland: Wales; and Northern Ireland	49	85,640	39,607	49.6	32,956	9,917	3,509	13,426	1,202
East and West Ridings	93	18,846	6,367	8.0	10,054	2,828	612	3,439	633
Eastern	12	3,863	1,279	1.6	2,907	690	177	866	440
London and South Eastern	5	565	202	0.3	388	78	27	105	519
South Western	4	938	295	0.4	766	162	41	203	385
North Western	202	83,412	30,283	37.9	41,794	12,366	2,495	14,861	725
Total England, Wales and Northern Ireland	365	193,264	78,033	97.7	88,865	26,041	6,861	32,902	878
Scotland	21	7,319	1,856	2.3	3,196	683	271	954	581
United Kingdom	386	200,583	79,889	100.0	92,061	26,724	7,132	33,856	868

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951

TABLE 6
Larger establishments in the United Kingdom

	Estab-lish-ments	Gross output	Sales of charac-teristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Yarn and thread									
Rayon, nylon, etc. single continuous filament yarn, industrial yarn and staple fibre	20	95,164	81,899	47,654	40,284	12,419	4,287	16,706	1,183
Rayon, nylon, etc. doubled or twisted yarn and thread advanced beyond the stage of single yarn	28	10,537	8,324	2,545	3,961	968	283	1,251	643
Thrown silk yarn and spun silk yarn	16	3,095	1,851	755	1,618	361	128	490	467
Sewing and embroidery thread	8	1,207	994	491	720	154	48	201	682
Woven cloth									
Of rayon, nylon, etc. and of rayon, nylon, etc. mixed with cotton	227	75,967	62,016	23,883	35,900	10,684	1,884	12,567	665
Of silk and of silk mixed with other materials	18	1,710	1,086	772	1,775	307	138	444	435
Remainder of the trade	69	12,903		3,789	7,803	1,832	365	2,197	486
Total	386	200,583		79,889	92,061	26,724	7,132	33,856	868

(a) Administrative, technical and clerical employees.

(4317)

Total make of intermediate products: Larger establishments

TABLE 7

	Returned in this trade		Returned in all trades			
	United Kingdom 1951		Great Britain 1948	United Kingdom 1951		Great Britain 1948
	Quantity	Entries	Quantity	Quantity	Entries	Quantity
Rayon, nylon, etc. staple fibre	Th.lbs.	No.	Th.lbs.	Th.lbs.	No.	Th.lbs.
Yarn and thread	171,530	5	87,599	171,530	5	87,599
Rayon, nylon, etc. single continuous filament yarn, other than industrial yarn						
Viscose	95,454	14	151,264	95,454	14	151,264
Acetate	67,722	5		67,722	5	
Other rayon, nylon, etc. single continuous filament yarn, including industrial yarn	(a)	..		68,028	8	
Thrown silk yarn, including silk mixed with other materials (b)	(a)	..	1,858	2,957	35	1,858
Spun yarn of silk, or of silk mixed with other materials (b)	180	12	321	481	18	321
Doubled yarn (i.e., doubled or twisted thread advanced beyond the stage of single yarn), including hand-knitting yarn						
Of continuous filament rayon, nylon, etc. (b)	18,436	59	..	55,210	80	31,824
Of spun rayon, nylon, etc. or of spun rayon, nylon, etc. and continuous filament yarn	1,094	13	667	8,272	79	2,777
Of rayon, nylon, etc. unclassified	-	-	7,083	-	-	7,083
Of cotton and continuous filament rayon, nylon, etc.	(a)	..	3,387	1,724	16	3,627
Finished thread for sewing, embroidery, etc.						
Of silk, or of silk mixed with other materials	159	9	232	231	16	232
Of rayon, nylon, etc., or of rayon, nylon, etc. mixed with other materials except silk	(a)	..	588	2,749	24	809
Woven cloth which has not undergone a finishing process	Th.sq.yds.		Th.sq.yds.	Th.sq.yds.		Th.sq.yds.
Wholly of silk	(a)	..	..	1,835	30	2,512(c)
Of silk mixed with other materials	1,119	..	1,065	1,132	17	1,065

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

(b) For 1951, firms working on commission returned quantities charged for and not quantities made; the quantities returned as made on commission may have been incomplete for 1948.

(c) Corrected figure.

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

Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Rayon, nylon, etc. staple fibre (a)	Th.lbs.	£'000	No.	Th.lbs.	£'000
Yarn and thread	159,034	18,319	5	87,728	6,301
Rayon, nylon, etc. single continuous filament yarn, other than industrial yarn					
Viscose	80,454	19,879	14	144,801	31,118
Acetate	61,838	18,934	5		
Other rayon, nylon, etc. single continuous filament yarn, including industrial yarn	65,759	22,978	8		

(4317)

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Yarn and thread (contd.)	Th.lbs.	£'000	No.	Th.lbs.	£'000
Thrown silk yarn					
Wholly of silk	989	2,476	25	1,955	2,096
Of silk mixed with other materials	767	727	21		
Spun yarn of silk, or of silk mixed with other materials	355	279	14	176	281
Doubled yarn (i.e., doubled or twisted thread advanced beyond the stage of single yarn), including hand-knitting yarn					
Of continuous filament rayon, nylon, etc.					
Crepe	7,432	2,929	19	5,256	1,685
Other	52,204	16,791	63	29,019	7,898
Of spun rayon, nylon, etc., or of spun rayon, nylon, etc. and continuous filament yarn	7,884	2,841	77	3,136	880
Of cotton and continuous filament rayon, nylon, etc.	1,634	877	15	2,103	993
Unclassified	-	-	-	1,128	458
Yarn of rayon, nylon, etc. continuous filament, purchased and reeled, wound, etc. (b)	10,856	3,527	..	-	-
Finished thread for sewing, embroidery, etc.					
Of silk, or of silk mixed with other materials	238	719	16	237	720
Of rayon, nylon, etc., or of rayon, nylon, etc. mixed with other materials except silk	2,709	832	24	669	489
Woven cloth of rayon, nylon, etc., or rayon, nylon, etc. mixed with cotton, sold in the loom state	Th.sq.yds.			Th.sq.yds.	
Wholly of rayon, nylon, etc. continuous filament yarn					
Tyre cord and fabric	13,836	2,718	8	3,106	489
Other descriptions	..	609		..	871
Woven wholly or in part from coloured yarn	22,283	3,528	91	18,671	2,465(c)
Other	290,730	34,915	231	220,570	20,447
Unclassified	8,636	1,305	18	2,277	455
Of rayon, nylon, etc. spun yarn, or of spun yarn mixed with continuous filament yarn					
Woven wholly or in part from coloured yarn	20,088	2,614	79	15,356	1,619(c)
Other	212,090	21,070	296	126,598	9,355
Unclassified	62,977	6,375	67	2,284	250
Of rayon, nylon, etc. continuous filament yarn mixed with cotton yarn					
Woven wholly or in part from coloured yarn	20,215	4,367	73	21,998	2,995(c)
Other including tyre cord and fabric	102,882	16,312	136	54,765	6,929
Of rayon, nylon, etc. spun yarn mixed with cotton yarn					
Woven wholly or in part from coloured yarn	8,323	1,827	49	5,760	1,144(c)
Other	21,095	3,379	78	6,061	599
Of unclassified rayon, nylon, etc. mixed with cotton	5,578	1,248	26	1,422	187
Total woven cloth of rayon, nylon, etc., or of rayon, nylon, etc. mixed with cotton, sold in the loom state	788,734	99,657	..	478,870	46,934
	..	609	..	..	871

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Woven cloth of silk, or of silk mixed with other materials, sold in the loom state	Th.sq.yds.	£'000	No.	Th.sq.yds.	£'000
Wholly of silk	1,562	915	29	1,288	594
Of silk mixed with other materials	1,116	270	17	561	174
Finished woven cloth of silk, or of silk mixed with other materials (d)					
Cloth for apparel	1,712	1,173	68	2,411	1,230
Other	1,538	339	20	1,255	366
Other manufactures of silk	..	75	6	..	76
Cellulose acetate	Th.tons				
	5.0	1,914	5	..	868(e)
Waste noils, etc. of silk	Th.cwts.			Th.cwts.	
	5.3	67	27	1.1	10
Rayon, nylon, etc. waste	280.7	1,403	766	..	2
				146.3	618
Total goods made and sold		218,531	..		104,681
Work done for the trade or on commission	Th.lbs.	Amount charged £'000			Amount charged £'000
Throwing of yarn of silk, or of silk mixed with other materials	1,131	176	18	..	190
Spinning of yarn of silk, or of silk mixed with other materials	80	16	6		
Doubling of continuous filament rayon, nylon, etc. yarn	1,833	271	24	..	217
Reeling, coning, pirning and cheesing of continuous filament rayon, nylon, etc. yarn	8,719	579	31	..	444
Beaming, sizing, etc. of continuous filament rayon, nylon, etc. yarn	13,595	884	29	..	1,005
Weaving of cloth of rayon, nylon, etc., or of rayon, nylon, etc. mixed with other materials except silk	24,442	933	89	..	529
Other work done		154	29		604
Total work done for the trade or on commission		3,013	..		2,989
Total		221,544	..		107,670
Sales in other trades (see Table 9)		49,357	..		21,328
Principal products of this trade sold by establishments in the trade		172,187	336		86,342

(a) To be described for 1954 as 'staple fibre of man-made fibres'.

(b) So far as recorded separately.

(c) Including pile fabrics, damasks, tapestries, brocades and the like.

(d) Including, for 1951, sales by larger establishments classified to the Textile Converting Trade and, for 1948, sales recorded by converting establishments irrespective of the size of such establishments.

(e) Including other manufactures of rayon, nylon, etc.

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

Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Yarn and thread	Th.lbs.	£'000	No.	Th.lbs.	£'000
Rayon, nylon, etc. single continuous filament yarn (other than viscose, acetate and industrial yarn) and spun and thrown yarn of silk; or of silk mixed with other materials	504	541	8	-	-
Doubled yarn (i.e., doubled or twisted thread advanced beyond the stage of single yarn), including hand-knitting yarn					
Of continuous filament rayon, nylon, etc. or of cotton and continuous filament rayon, nylon, etc.	36,434	9,281	20	25,860	5,672
Of spun rayon, nylon, etc. or of spun rayon, nylon, etc. and continuous filament yarn	6,807	2,338	65		
Finished thread for sewing, embroidery, etc.					
Of silk or of silk mixed with other materials	73	243	7	-	-
Of rayon, nylon, etc. or of rayon, nylon, etc. mixed with other materials except silk	185	197	15	221	128
Woven cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with cotton, sold in the loom state	Th.sq.yds.			Th.sq.yds.	
Wholly of rayon, nylon, etc. continuous filament yarn					
Tyre cord and fabric	13,836	2,718	8	26,987	2,827
Other descriptions	..	609			
Woven wholly or in part from coloured yarn	4,597	642	28	..	587
Other and unclassified	39,420	4,197	104		
Of rayon, nylon, etc. spun yarn or of spun yarn mixed with continuous filament yarn					
Woven wholly or in part from coloured yarn	8,383	898	42	6,247	643(a)
Other	84,268	8,292	183	52,266	3,711
Unclassified	62,977	6,375	67	3,359	332
Of rayon, nylon, etc. continuous filament yarn mixed with cotton yarn					
Woven wholly or in part from coloured yarn	3,866	914	34	9,502	1,134(a)
Other, including tyre cord and fabric	46,868	7,398	61	29,782	4,296
Of rayon, nylon, etc. spun yarn mixed with cotton yarn					
Woven wholly or in part from coloured yarn	3,540	464	30	6,370	859
Other	8,819	1,157	53		
Of unclassified rayon, nylon, etc. mixed with cotton yarn	5,578	1,248	26	-	-
Total woven cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with cotton, sold in the loom state	282,153	34,304	..	134,516	13,801
Woven cloth of silk, or of silk mixed with other materials, sold in the loom state	18	23	..	..	587
Finished woven cloth of silk, or of silk mixed with other materials				1,822	747
Cloth for apparel	1,094	552	50		
Other	865	189	14		

(4317)

TABLE 9 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Rayon, nylon, etc. and silk waste, and other manufactures of silk	..	£'000 833	No. 588	62	£'000 296
Work done for the trade or on commission (b)		247	..	..	8
Total		49,357			72
					21,328

(a) Including pile fabrics, damasks, tapestries, brocades and the like.
(b) Amount charged.

Sales in the trade of other than principal products

Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
Yarn and thread	Th.lbs.	£'000		£'000
Of cotton	670	273	..	426
Other (a)	1,403	904	-	-
Woven cotton cloth in the loom state	Th.sq.yds.		Th.sq.yds.	
Woven from grey yarn	47,420	6,130	36,607	3,304
Woven wholly or in part from bleached, dyed, or other processed yarn	17,380	3,645	..	224
Woven woollen and worsted cloth	3,899	1,383	3,265	464
Other piece goods, including knitted piece goods	..	233	..	199
Articles of clothing	..	1,052	..	4,083
Waste products, other than waste noils, etc. of silk or rayon, nylon, etc. waste	..	391	..	587
Other goods	..	103	..	45
Work done (b)	..	5,088	..	2,232
Total		438		196
		19,641		14,430

(a) Including yarn purchased and reeled, wound, beamed, sized, etc.
(b) Amount charged.

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

TABLE 11

		Production (b)	Exports	Retained imports
		Th.lbs.	Th.lbs.	Th.lbs.
Thrown silk yarn, including silk mixed with other materials (c)	1951	2,957	95	-
	1948	1,858	70	19
	1937	4,384	297	28
Spun yarn of silk or of silk mixed with other materials (c)	1951	481	154	11
	1948	321	169	31
	1937	1,436	779	132
Rayon, nylon, etc. staple fibre	1951	171,530	14,500	7,828
	1948	87,599	20,593	10,976
	1937	35,764	5,849	7
Rayon, nylon, etc. single continuous filament yarn, including industrial yarn	1951	231,204	23,158	10,999
	1948	151,264	21,403	1,422
	1937	119,048	13,399	1,016

(4317)

TABLE 11 (contd.)

		Production (b)	Exports	Retained imports
		Th.lbs.	Th.lbs.	Th.lbs.
Doubled or twisted yarn advanced beyond the stage of single yarn, of rayon, nylon, etc. or of rayon, nylon, etc. mixed with other materials except silk				
Wholly of continuous filament (c)	1951	55,210	1,347	..
	1948	31,824	570	..
Other sorts	1951	10,236(d)	698	..
	1948	6,978(d)	89	..
Total doubled or twisted yarn	1951	65,446(d)	2,045	1,018
	1948	45,885(d)(e)	659	173
	1937	18,512(d)(f)	572(g)	21(g)
		Th.sq.yds.	Th.sq.yds.	Th.sq.yds.
Woven cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with cotton (h)	1951	816,000(i)(j)	218,204	96,493
	1948	519,000(j)	144,168	24,145
Woven cloth of silk or of silk mixed with other materials	1951	2,967	765	1,463
	1948	3,577	902	513
	1937	9,438(f)	3,474	27,173

(a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.

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

(c) See note (b) to Table 7.

(d) Including 240,000 lbs. sales in 1951, 574,000 lbs. sales in 1948 and 673,000 lbs. production for sale in 1937 of mixtures of cotton and staple fibre (principal product of the Cotton Spinning and Doubling Trade - Volume 6, Trade A), but excluding mixtures with materials other than cotton.

(e) Including 7,083,000 lbs. returned as unclassified.

(f) Production for sale.

(g) Including mixtures with silk.

(h) The oversea trade figures include cloth of rayon, nylon, etc. mixed with other materials except silk and any cloth imported in the unfinished state, finished and exported.

(i) Quantity sold and woven on commission.

(j) Partly estimated.

Usage of certain specified purchased materials, 1951

Larger establishments in the United Kingdom

TABLE 12

Materials used	Quantity
	Th.lbs.
Cotton yarn	30,769
Continuous filament yarn of rayon, nylon, etc.	116,383
Spun yarn of rayon, nylon, etc.	40,192
Cotton waste	5,087
Cotton linters	49,109

TABLE 13

Employment in September
Larger establishments (a)

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)	
Males								
Under 18	1,378	1,362	1,323	..	1,266	3,324	3,062	
All ages	43,207	41,599	37,723	..	34,637	37,444	35,786	
Females								
Under 18	4,562	4,424	4,411	..	4,572	11,007	10,240	
All ages	37,855	36,975	34,981	..	33,942	46,850	45,964	
Total								
Under 18	5,940	5,786	5,734	..	5,838	14,331	13,302	
All ages	81,062	78,574	72,704	..	68,579	84,294	81,750	

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

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935	
Males								
Under 18	183	169	190	..	193	280	249	
All ages	7,960	7,650	6,987	..	6,607	4,675	4,551	
Females								
Under 18	675	668	662	..	630	342	252	
All ages	4,241	4,001	3,677	..	3,367	1,870	1,709	
Total								
Under 18	858	837	852	..	823	622	501	
All ages	12,201(f)	11,651(f)	10,664(f)	..	9,974(f)	6,545	6,260	

(iii) Total employees

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935	
Males								
Under 18	1,561	1,531	1,513	..	1,459	3,604	3,311	
All ages	51,167	49,249	44,710	..	41,244	42,119	40,337	
Females								
Under 18	5,237	5,092	5,073	..	5,202	11,349	10,492	
All ages	42,096	40,976	38,658	..	37,309	48,720	47,673	
Total								
Under 18	6,798	6,623	6,586	..	6,661	14,953	13,803	
All ages	93,263(f)	90,225(f)	83,368(f)	..	78,553(f)	90,839	88,010	

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

Canteen workers 87 Males 1,004 Females
Other workers 247 Males 73 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

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

(d) Average for the year.

(e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.

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

(iv) Working proprietors

	Number				
	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Males	22	28	35	..	29
Females	-	-	1	..	-
Total	22	28	36	..	29

Average employment
Larger establishments (a)

TABLE 14

Number

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935
Operatives	79,894	77,720	72,296	..	68,579	84,294	81,750
Administrative, technical and clerical employees	12,145	11,541	10,653	..	9,974(c)	6,545(c)	6,260(c)
Total	92,039	89,261	82,949	..	78,553	90,839	88,010

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

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

(c) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

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

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
Males	3	5	4	..	16	35	23
Females	105	71	67	..	92	44	66
Total	108	76	71	..	108	79	89

Shift working, 1951 (a)

Larger establishments in Great Britain

TABLE 15

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift	102,947	822,049	36
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	34,082	275,358	55
Other shift systems	2,600	22,620	20
Total	139,629	1,120,027	(b)

(a) Shift working during week ended September 22, 1951.

(b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-

	Returns		Operatives		
	Total in trade	Showing shift work	Total in trade	Total on returns showing shift work	Number employed on shift work
Number	..	99	..	55,037	25,894
Percentage of total in trade	100.0	30.0(c)	100.0	69.0(c)	32.0(c)
Percentage of total on returns showing shift-work				100.0	47.0

(c) Rounded to avoid disclosure.

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

Larger establishments

TABLE 16

£'000

	United Kingdom			Great Britain	
	1951	1950	1949	1949(a)	1948
Wages and salaries (b) of Operatives	26,724	22,729	20,149	..	17,245
Administrative, technical and clerical employees	7,132	6,023	5,345	..	4,795
Total	33,856	28,752	25,494	..	22,040
Employers' contributions to all National Insurance Schemes	865	821	763	..	619

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

(b) Including bonus and commission payments, but excluding payments to outworkers shown below.

£'000				
United Kingdom			Great Britain	
1951	1950	1949	1949	1948
13	4	3	..	9

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

Larger establishments

TABLE 17

£'000

	United Kingdom		Great Britain	
	1951	1949	1949(a)	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	7,452	9,836	..	8,693
Second-hand	122	117	..	98
Vehicles				
New	217	138	..	136
Second-hand	59	24	..	31
Total acquisitions	7,850	10,115	..	8,958
Disposals				
Plant and machinery				
Vehicles	212	389	..	219
	61	33	..	16
Total disposals	272	422	..	235
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,805	2,609	..	1,911

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

TEXTILES COUNTRY TABLES
RAYON, NYLON, ETC. AND SILK TRADE

1951

Summary

Larger establishments

TABLE 18

	England (a)	Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	193,264	..	7,319	..	..	200,583
Cost of materials and fuel used	111,288	..	5,330	..	..	116,618
Payment for work done on materials given out	3,079	..	92	..	..	3,170
Transport payments	864	..	41	..	..	905
Net output	78,033	..	1,856	..	..	79,889
Wages and salaries of persons employed	32,902	..	954	..	..	33,856
	No.	No.	No.	No.	No.	No.
Average number of persons employed (b)	88,865	..	3,196	..	..	92,061
	£	£	£	£	£	£
Net output per person employed (b)	878	..	581	..	..	868
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	20,200	..	460	..	..	20,661
Materials and fuel	22,533	..	476	..	..	23,010
	No.	No.	No.	No.	No.	No.
Number of establishments	365	..	21	..	..	386

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade						
Total value of sales (see Table 20)	184,621	..	7,207	..	..	191,828
Changes in stocks and work in progress (see Table 21)	+ 8,643	..	+ 113	..	..	+ 8,755
Gross output (production)	193,264	..	7,319	..	..	200,583
Materials and fuel used by firms in this trade						
Purchases	117,755	..	5,424	..	..	123,178
Changes in stocks (see Table 21)	- 6,467	..	- 94	..	..	- 6,560
Materials and fuel used	111,288	..	5,330	..	..	116,618

(a) Owing to the risk of disclosure of information relating to individual firms particulars for Northern Ireland and Wales where the combined net output was about 24 per cent. of that of the United Kingdom cannot be given separately and have been included with those for England.

(b) Excluding outworkers but including working proprietors.

TABLE 19 - Summary: Small firms in Great Britain

See Table 2. There were no small firms in Wales or Scotland in the register for this trade.

Sales in the trade
Larger establishments

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.lbs.	£'000		£'000	Th.lbs.	£'000		£'000	Th.lbs.	£'000
Principal products										
Rayon, nylon, etc. staple fibre	159,034	18,319	-	-	159,034	18,319	-	-	159,034	18,319
Yarn and thread										
Rayon, nylon, etc. single continuous filament yarn, other than industrial yarn										
Viscose	..	(a)	..	(a)	..	..	..	(a)	80,454	19,879
Acetate	61,838	18,934	-	-	61,838	18,934	-	-	61,838	18,934
Other rayon, nylon, etc. single continuous filament yarn, including industrial yarn, and spun and thrown yarn of silk, or of silk mixed with other materials	..	(a)	..	(a)	67,365	25,919	-	-	67,365	25,919
Doubled yarn (i.e., doubled or twisted thread advanced beyond the stage of single yarn), including hand-knitting yarn										
Of continuous filament rayon, nylon, etc., or of cotton and continuous filament rayon, nylon, etc.	..	(a)	..	(a)	24,836	11,316	-	-	24,836	11,316
Of spun rayon, nylon, etc., or of spun rayon, nylon, etc. and continuous filament yarn	1,076	503	-	-	1,076	503	-	-	1,076	503
Yarn of rayon, nylon, etc. continuous filament, purchased and reeled, wound, etc.	10,856	3,527	-	-	10,856	3,527	-	-	10,856	3,527
Finished thread for sewing, embroidery, etc.										
Of silk or of silk mixed with other materials	166	476	-	-	166	476	-	-	166	476
Of rayon, nylon, etc. or of rayon, nylon, etc. mixed with other materials except silk	2,525	635	-	-	2,525	635	-	-	2,525	635
	Th.sq.yds.		Th.sq.yds.		Th.sq.yds.				Th.sqyds.	
Woven cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with cotton, sold in the loom state										
Wholly of rayon, nylon, etc. continuous filament yarn										
Woven wholly or in part from coloured yarn	17,144	2,765	542	121	17,686	2,886	-	-	17,686	2,886
Other and unclassified	255,368	31,300	4,577	723	259,945	32,023	-	-	259,945	32,023

TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.sq.yds.	£'000	Th.sq.yds.	£'000	Th.sq.yds.	£'000		£'000	Th.sq.yds.	£'000
Principal products (contd.)										
Woven cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with cotton, sold in the loom state (contd.)										
Of rayon, nylon, etc. spun yarn, or of spun yarn mixed with continuous filament yarn										
Woven wholly or in part from coloured yarn	11,595	1,686	109	30	11,705	1,715	-	-	11,705	1,715
Other	126,761	12,632	1,061	146	127,822	12,778	-	-	127,822	12,778
Of rayon, nylon, etc. continuous filament yarn mixed with cotton yarn										
Woven wholly or in part from coloured yarn	..	(a)	..	(a)	16,349	3,453	-	-	16,349	3,453
Other, including tyre cord and fabric	..	(a)	..	(a)	56,014	8,914	-	-	56,014	8,914
Of rayon, nylon, etc. spun yarn mixed with cotton yarn										
Woven wholly or in part from coloured yarn	3,052	640	1,731	723	4,783	1,363	-	-	4,783	1,363
Other	12,276	2,222	-	-	12,276	2,222	-	-	12,276	2,222
Total woven cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with cotton, sold in the loom state	..	(a)	..	(a)	506,581	65,354	-	-	506,581	65,354
Woven cloth of silk, or of silk mixed with other materials, sold in the loom state	..	(a)	..	(a)	2,659	1,162	-	-	2,659	1,162
Finished woven cloth of silk, or of silk mixed with other materials										
Cloth for apparel	338	388	280	233	618	621	-	-	618	621
Other	..	(a)	..	(a)	673	150	-	-	673	150
Cellulose acetate	Th.tons	5.0	-	-	Th.tons	5.0	-	-	Th.tons	5.0
Rayon, nylon, etc. and silk waste, and other manufactures of silk	Th.lbs.	695(b)	..	17	Th.lbs.	..	..	(b)	Th.lbs.	712
Work done for the trade or on commission (c)										
Throwing of yarn of silk, or of silk mixed with other materials	1,131	176	-	-	1,131	176	-	-	1,131	176
Spinning of yarn of silk, or of silk mixed with other materials	80	16	-	-	80	16	-	-	80	16

Beaming, sizing, etc. of continuous filament rayon, nylon, etc. yarn	..	(a)	..	(a)	13,595	884	-	-	13,595	884
Doubling, reeling, coning, pining and cheesing of continuous filament rayon, nylon, etc. yarn, and weaving of cloth of rayon, nylon, etc. or of rayon, nylon, etc. mixed with other materials except silk	..	(a)	..	(a)	..	1,536	-	-	..	1,536
Other work done		154		-		154				154
Total principal products		165,199(b)		6,988		..		(b)		172,187
Other output										
Yarn and thread										
Of cotton	670	273	-	-	670	273	-	-	670	273
Other (d)	1,403	904	-	-	1,403	904	-	-	1,403	904
Woven cotton cloth in the loom state	Th.sq.yds.		Th.sq.yds.		Th.sq.yds.				Th.sq.yds.	
Woven from grey yarn	..	(a)	..	(a)	47,420	6,130	-	-	47,420	6,130
Woven wholly or in part from bleached, dyed or other processed yarn	17,014	3,550	367	95	17,380	3,645	-	-	17,380	3,645
Woven woollen and worsted cloth	..	(a)	..	(a)	3,899	1,383			3,899	1,383
Other piece goods, including knitted piece goods	..	(a)	..	(a)	..	1,052	-	-	..	1,052
Articles of clothing	..	351	..	41	..	391	-	-	..	391
Waste products, other than waste noils, etc. of silk or rayon, nylon, etc. waste	..	102	..	2	..	103	-	-	..	103
Other goods	..	5,052	..	37	..	5,088	-	-	..	5,088
Work done (c)		438		-		438				438
Total		184,621(b)		7,207		..		(b)		191,828

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

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

(c) Amount charged.

(d) Including yarn purchased and reeled, wound, beamed, sized, etc.

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

Larger establishments

£'000

TABLE 21

		England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Products on hand for sale	{ at beginning of year	6,191	198	..	..	6,388
	{ at end of year	12,997	286	..	..	13,283
Work in progress	{ at beginning of year	5,367	150	..	..	5,517
	{ at end of year	7,203	175	..	..	7,378
Total products on hand for sale and work in progress	{ at beginning of year	11,558	348	..	..	11,905
	{ at end of year	20,200	460	..	..	20,661
Materials and fuel	{ at beginning of year	16,067	383	..	..	16,449
	{ at end of year	22,533	476	..	..	23,010

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

Employment in September

Larger establishments (a)(b)

TABLE 22

(i) Operatives

Number

	England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom
Males					
Under 18	1,307	71	..	..	1,378
All ages	42,377	830	..	..	43,207
Females					
Under 18	4,089	473	..	..	4,562
All ages	35,955	1,900	..	..	37,855
Total					
Under 18	5,396	544	..	..	5,940
All ages	78,332	2,730	..	..	81,062

(ii) Administrative, technical and clerical employees

Number

	England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom
Males					
Under 18	178	5	..	..	183
All ages	7,663	297	..	..	7,960
Females					
Under 18	645	30	..	..	675
All ages	4,077	164	..	..	4,241
Total					
Under 18	823	35	..	..	858
All ages (d)	11,740	461	..	..	12,201

TABLE 22 (contd.)

(iii) Total employees

Number

	England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom
Males					
Under 18	1,485	76	..	..	1,561
All ages	50,040	1,127	..	..	51,167
Females					
Under 18	4,734	503	..	..	5,237
All ages	40,032	2,064	..	..	42,096
Total					
Under 18	6,219	579	..	..	6,798
All ages (d)	90,072	3,191	..	..	93,263

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

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

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

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

(iv) Working proprietors

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	19	3	22	-	22
Females	-	-	-	-	-
Total	19	3	22	-	22

(v) Excluded employees

Number

	England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom
Canteen workers					
Males	87	-	..	..	87
Females	986	18	..	..	1,004
Total	1,073	18	..	..	1,091
Other workers					
Males	(e)	(e)	247	-	247
Females	(e)	(e)	73	-	73
Total	(e)	(e)	320	-	320
Total excluded employees	(e)	(e)	..	..	1,411

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

Average employment

Larger establishments (a)

TABLE 23

Number

	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom
Operatives	77,151	2,743	..	..	79,894
Administrative, technical and clerical employees	11,695	450	..	..	12,145
Total	88,846	3,193	..	..	92,039

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) see Table 19.

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

Outworkers. In addition to the employees shown above the firms in this trade employed 3 male and 105 female outworkers (all in England and Wales).

TEXTILES COUNTRY TABLES

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

Larger establishments

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	26,041	683	..	..	26,724
Administrative, technical and clerical employees	6,861	271	..	..	7,132
Total	32,902	954	..	..	33,856
Employers' contributions to all National Insurance Schemes	837	28	..	..	865

- (a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.
 (b) Including bonus and commission payments but excluding payments, amounting to £13,000, to outworkers in England and Wales.

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

Larger establishments

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	7,272	180	..	..	7,452
Second-hand	118	4	..	..	122
Vehicles					
New	207	9	..	..	217
Second-hand	57	2	59	..	59
Total acquisitions	7,655	195	..	..	7,850
Disposals					
Plant and machinery					
Vehicles	211	1	..	..	212
	57	4	61	..	61
Total disposals	267	5	..	..	272
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,759	46	..	..	1,805

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

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

Larger establishments

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	845(a)	41	..	(a)	886
Amount paid or credited to firms' own separate transport organisations	19	-	19	-	19
Total	864(a)	41	..	(a)	905

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

GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

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

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

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

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

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

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

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

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

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

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

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

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

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

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

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

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

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

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

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

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

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

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

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

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

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

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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