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THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 4

Trade D

TEXTILE MACHINERY AND ACCESSORIES



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in pursuance of the Statistics of Trade Act, 1947
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LONDON: HER MAJESTY'S STATIONERY OFFICE

1955

TWO SHILLINGS NET

42
[HA 251]

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* Not applicable to this trade

TEXTILE MACHINERY AND ACCESSORIES TRADE

THIS REPORT on the Textile Machinery and Accessories Trade relates to establishments engaged wholly or mainly in the manufacture of spinning, winding, weaving, knitting, printing, dyeing, etc. machinery for use in the textile industries, and accessories such as bobbins, combs, jacquard cards, reeds, rollers, shuttles and spindles.

This trade corresponds to minimum list heading 56 in the Standard Industrial Classification.

Establishments in this trade in Northern Ireland were, for 1935, included in the Mechanical Engineering (General) Trade (Volume 4, Trade I).

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.

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS
TEXTILE MACHINERY AND ACCESSORIES TRADE

Summary

Larger establishments (a)

	United Kingdom			Great Britain		United Kingdom		Great Britain
	1951	1950	1949	1949(b)	1948	1946	1937	1935
Gross output (production) (c)	£'000 82,281	£'000 74,131	£'000 71,982	£'000 ..	£'000 59,465	£'000 30,699	£'000 14,582	£'000 12,128
Cost of materials and fuel used (d)	35,507	31,348 (e)	30,531	..	24,107	12,192	5,738	4,640
Payment for work done on materials given out	857	655	450	..	559	361	110	82
Transport payments (f)	632	..	..	..	..	..	..	..
Net output	45,286	42,128 (e)	41,001	..	34,799	18,146	8,734	7,406
Wages and salaries of persons employed	27,958	25,614	25,149	..	21,708	13,763	..	..
Average number of persons employed (g)	No. 73,527	No. 73,172	No. 74,496	No. ..	No. 67,575	No. 52,996	No. 43,488	No. 39,721
Net output per person employed (g)	£ 616	£ 576 (e)	£ 550	£ ..	£ 515	£ 342	£ 201	£ 186
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	15,262	13,109	15,895	..	13,778	7,023	..	..
Materials and fuel	11,988	9,258	9,876	..	9,324	4,769	..	..
Number of establishments	No. 460	No. 456	No. 457	No. ..	No. 423	No. ..	No. ..	No. 348

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

	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (h)	75,500	77,182	71,345	..	53,153	28,096	13,390	11,301
Principal products (i)	4,798			..	3,766		809	831
Other output (j)				..				
Changes in stocks and work in progress (k)	+ 1,983	- 2,585	+ 967	..	+ 2,782	+ 2,603	+ 383 (l)	- 5 (1)
Less payment for transport outwards (f)	82,281	74,597	72,312	..	59,701	30,699	14,582	12,128
Gross output (production)	82,281	74,131	71,982	..	59,465	30,699	14,582	12,128
Materials and fuel used by firms in this trade				..				
Purchases	38,183	30,776 (e)	29,917	..	26,191	13,794	5,738	4,640
Changes in stocks (k)	- 2,676	+ 572	+ 614	..	- 2,084	- 1,602		
Materials and fuel used	35,507	31,348 (e)	30,531	..	24,107	12,192	5,738	4,640

- (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) Corrected figures.
 (f) 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.
 (g) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.
 (h) Total value of sales (1951, 1950, 1949, 1948 and 1946) or production for sale (1937 and 1935).
 (i) For details for 1951 and 1948 see Table 8.
 (j) For details for 1951 and 1948 see Table 10.
 (k) For details for 1951 see Table 21.
 (l) Work in progress only.

TEXTILE MACHINERY AND ACCESSORIES

Summary
Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	228	240	246	241	230
Average number of persons employed (b)					
Males	1,151	1,175	1,245	1,223	1,118
Females	181	192	195	191	168
Total	1,332	1,367	1,440	1,414	1,286

(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)	73,527	73,172	74,496	(c)	67,575
Employing on the average ten or fewer persons (d)	1,332 (e)	1,367 (e)	1,440	1,414	1,286
Estimated average employment in firms not making satisfactory returns	74,859	74,539	75,936	(c)	68,861
Estimated average employment in all firms	75,192 (e)	74,580 (e)	75,970	(c)	69,146

(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	123	2,512	1,363	2,167	606	185	791	629
25 - 49	130	5,731	2,859	4,419	1,232	331	1,563	647
50 - 99	79	6,980	3,710	5,685	1,693	423	2,115	653
100 - 199	58	9,868	5,186	8,371	2,503	573	3,076	620
200 - 299	22	6,887	3,781	5,603	1,859	413	2,272	675
300 - 399	11	4,969	3,147	3,842	1,250	334	1,584	819
400 - 499	8	3,365	1,919	3,584	1,069	278	1,347	535
500 - 749	14	9,258	5,157	7,960	2,573	591	3,164	648
750 - 999	3	1,756	1,117	2,412	639	123	762	463
1,000 - 1,499	3	3,138	1,805	3,417	1,015	361	1,377	528
1,500 and over	9	27,818	15,241	26,067	8,483	1,425	9,908	585
Total	460	82,281	45,286	73,527	22,922	5,037	27,958	616

(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									
East and West Ridings	116	15,920	9,057	20.0	13,477	4,278	928	5,206	672
North Midland	53	8,266	5,119	11.3	7,930	2,580	619	3,198	646
North Western	221	42,854	22,811	50.4	37,948	11,908	2,481	14,389	601
London and South Eastern; Southern; and South Western	11	1,958	1,293	2.9	1,550	553	129	681	834
Midland; and Wales	12	2,900	1,054	2.3	1,796	485	177	662	587
Northern; and Northern Ireland	15	5,726	3,283	7.2	5,863	1,663	337	2,000	560
Total England, Wales and Northern Ireland	428	77,623	42,616	94.1	68,564	21,466	4,671	26,137	622
Scotland	32	4,658	2,671	5.9	4,963	1,456	366	1,821	538
United Kingdom	460	82,281	45,286	100.0	73,527	22,922	5,037	27,958	616

(a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

No specialisation within this trade was distinguished.

Total make of certain intermediate products

Larger establishments in the trade

TABLE 7

	United Kingdom 1951		Great Britain 1948
	Quantity	Entries	Quantity
Other than principal products	Th. tons	No.	Th. tons
Castings			
Of iron, including malleable iron (a)	114.8	70	97.4
Of steel (b)	-	-	-
Of brass and other alloys of copper (c)	Th.cwts. 15.7	31	Th.cwts. 9.8
Of aluminium (d)	14.7	24	4.5

(a) For total output returned in all trades see the Iron Foundries Trade (Volume 3, Trade C).

(b) For total make returned in all trades see the Iron and Steel (Melting and Rolling) Trade (Volume 3, Trade B).

(c) For total output returned in all trades see the Brass Manufactures Trade (Volume 5, Trade F).

(d) For total output returned in all trades see the Non-Ferrous Metals (Smelting, Rolling, etc.) Trade (Volume 3, Trade G).

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

Larger establishments

TABLE 8

Kind of output (i) Complete machines (ii) Parts	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
		£'000	No.		£'000
Textile machinery, new					
For processes preparatory to spinning and twisting					
For wool	{ (i) .. (ii) ..	2,480 802	31 37	.. ..	1,555 600
For other textiles, including cotton and staple fibre	{ (i) .. (ii) ..	8,569 1,772	28 39	.. ..	6,222 1,594
For spinning	Th.spindles			Th.spindles	
For wool	{ (i) 122.8 (ii) ..	929 396	6 11	125.9 ..	730 280
For other textiles, including cotton and staple fibre	{ (i) 1,263.6 (ii) ..	7,723 1,652	14 29	1,283.6 ..	5,396 1,335
For doubling and twisting					
For wool	{ (i) 37.7 (ii) ..	348 96	6 5	30.1 ..	229 75
For other textiles, including cotton and staple fibre	{ (i) 161.9 (ii) ..	1,111 333 147	15 16	254.4 ..	1,412 217
For processes preparatory to weaving but subsequent to spinning and twisting					
Winding machines	{ (i) 76.4 (ii) ..	1,487 170 417	29 36	81.7 ..	1,057 117 358
Machinery for the preparation of warp	{ (i) .. (ii) ..	1,147 238	31 23	.. ..	535 115
Other	{ (i) .. (ii) ..	171 44	19 15	.. ..	118 18
Looms for weaving, other than hand looms	No.			No.	
Automatic weft replenishing					
For cotton, rayon and silk	{ (i) 8,051 (ii) ..	2,343 949	8 15	6,055 ..	1,460 515
For other textiles	{ (i) 2,754 (ii) ..	1,095 399	8 15	968 ..	402 116
Narrow fabric	{ (i) 196 (ii) ..	94 39	7 12	220 ..	117 13
Other					
For cotton, rayon and silk	{ (i) 6,818 (ii) ..	900 630	14 19	8,551 ..	1,013 564
For other textiles	{ (i) 3,021 (ii) ..	1,485 418	13 20	1,230 ..	490 223
Other weaving machinery (dobbies, jacquards, etc.) and hand looms	{ (i) .. (ii) ..	607 249	25 25	.. ..	360 127
Finishing machinery	{ (i) .. (ii) ..	4,625 1,127	74 78	.. ..	2,585 842
Hosiery (for stockings or socks)					
Fully fashioned	{ (i) 236 (ii) ..	492 224 114	.. 12	121 ..	303 216
Circular seamless	{ (i) 539 (ii) ..	157 156	6 9	1,206 ..	407 112
Half- and three-quarter hose	{ (i) 4,712 (ii) ..	2,538 381	9 8	3,064 ..	1,443 73
Other	{ (i) .. (ii) ..	117 23	6 6	.. ..	132 35
Other knitting (knitwear)					
Circular	{ (i) 1,987 (ii) ..	1,906 115	8 11	2,779 ..	1,461 65
Warp knitting looms (single and double)	{ (i) 404 (ii) ..	488 98	.. 5	274 ..	455 62

TABLE 8 (contd.)

Kind of output (i) Complete machines (ii) Parts	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	No.	£'000	No.	No.	£'000
Textile machinery, new (contd.)					
Lace, net and embroidery	{ (i) 46 (ii) ..	{ 202 133 252	{ 7 10	{ 33 ..	{ 124 136
Other new textile machinery, including machinery for the manufacture of rayon, nylon, etc.	{ (i) .. (ii) ..	{ 4,038 1,425	{ 110 107	{	{ 2,144(a) 1,013(a)
Unclassified new textile machinery	{ (i) - (ii) -	{ - -	{ - -	{	{ 223 212
Total textile machinery, new	{ (i) .. (ii) ..	{ 45,911 11,940	{	{	{ 30,489(a) 8,914(a)
Textile machinery, reconditioned					
For cotton and staple fibre	{ (i) .. (ii) ..	{ 638 159	{ 23 15	{	{ 774 69
For wool	{ (i) .. (ii) ..	{ 393 129	{ 28 18	{	{ 320 66
Other descriptions	{ (i) .. (ii) ..	{ 280 305	{ 27 20	{	{ 250 59
Total textile machinery, reconditioned	{ (i) .. (ii) ..	{ 1,310 593	{	{	{ 1,345 194
Textile machinery accessories					
Bobbins	..	3,179	58	..	2,723
Boxes and cans	..	671	14	..	415
Card clothing	..	4,089	25	..	2,433
Reeds and healds	..	1,867	42	..	1,373
Rings and travellers	..	758	12	..	598
Shuttles	..	1,422	34	..	991
Spindles, flyers and rollers	..	2,088	46	..	1,621
Springs, temples, temple rings and temple rollers	..	344	14	..	282
Other sorts (except needles, and tubes of paper and cardboard) (b)	..	6,242	182	..	4,646
Total textile machinery accessories	..	20,661	..	..	15,082
Waste products (except scrap metals)	..	56	38	..	47
Repair and jobbing work (c)	..	856	99	..	1,263
Work done for the trade or on commission (d)	..	317	46	..	192
Total	..	81,644	..	..	57,524(a)
Sales in other trades (see Table 9)	..	6,144	..	..	4,371(a)
Principal products of this trade sold by establishments in the trade	..	75,500	417	..	53,153

(a) Corrected figures.

(b) For machine needles, see the Needles, Pins, Fish Hooks and Metal Smallwares Trades (Volume 5, Trade G) and for tubes of paper and cardboard, see the Manufactured Stationery, Paper Bag and Kindred Trades (Volume 10, Trade I).

(c) Amount charged, exclusive of the value of goods made and recorded as output.

(d) Amount charged.

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

Larger establishments

TABLE 9

Kind of output (i) Complete machines (ii) Parts	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
		£'000	No.		£'000
Textile machinery, new					
For processes preparatory to spinning and twisting					
For wool	{ (i) .. (ii) ..	{ 250 58	{ 10 16	{	{
For other textiles, including cotton and staple fibre	{ (i) .. (ii) ..	{ 278 34	{ 9 16	{ (i) .. (ii) ..	{ 311 46
For spinning, doubling and twisting	{ (i) .. (ii) ..	{ 133 330 110	{ 6 6 14	{	{
For processes preparatory to weaving but subsequent to spinning and twisting	{ (i) .. (ii) ..	{ 198 59	{ 12 12	{	{ 58 28
Looms for weaving, other than hand looms	{ (i) 386 (ii) ..	{ 123 87	{ 6 26	{ (i) .. (ii) ..	{ 102 102
Other weaving machinery, and hand looms	{ (i) - (ii) -	{ - -	{ - -	{	{
Finishing machinery	{ (i) .. (ii) ..	{ 1,187 314	{ 25 29	{	{ 687 324
Other new textile machinery	{ (i) .. (ii) ..	{ 733 336	{ 60 70	{	{ 604(a) 225(a)
Unclassified new textile machinery	{ (i) - (ii) -	{ - -	{ - -	{	{ 159 71
Total textile machinery, new	{ (i) .. (ii) ..	{ 3,233 999	{	{	{ 1,920(a) 797(a)
Textile machinery, reconditioned					
For wool	{ (i) .. (ii) ..	{ 34 8	{ 8 7	{ (i) .. (ii) ..	{ 108 7
Other descriptions, including cotton and staple fibre	{ (i) .. (ii) ..	{ 14 79	{ 6 8	{	{
Total textile machinery, reconditioned	{ (i) .. (ii) ..	{ 48 87	{	{	{ 108 7
Textile machinery accessories					
Bobbins	..	733	18	..	356
Spindles, flyers and rollers	..	166	10	..	149
All other sorts, (except needles, and tubes of paper and cardboard)	..	877	73	..	1,027
Total textile machinery accessories	..	1,777	..	..	1,532
Work done for the trade or on commission	..	-	-	..	9(b)
Total	..	6,144	..	..	4,371(a)

(a) Corrected figures.

(b) Amount charged.

Sales in the trade of other than principal products

Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value £'000	Quantity	Value £'000
Machinery and plant, and parts				
Agricultural	..	79	..	58
Machine tools and engineers' small tools	..	300	..	220
Wire making, working and winding machinery	..	151	..	127
Other machinery and parts	..	1,614	..	745
Castings, in the rough or machined	..	594	..	584
Other engineering products	..	311	..	1,023
Other manufactures of metal	..	281	..	341
Other goods	..	517	..	422
Scrap metals sold	..	211	..	141
Work done (a)	..	741	..	107
Total		4,798		3,766

(a) Amount charged.

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

Note - In the following table the output of each of the various classes of textile machinery accessories (other than bobbins) is included with that class of machinery for which the accessories are principally used.

TABLE 11

	Production (b)(c)		Exports (d)		Retained imports (e)		
	£'000	£'000	£'000	£'000	£'000	£'000	
Textile machinery, and parts and accessories, new (f)							
For processes preparatory to spinning and twisting							
Complete							
For wool	1951	2,480	625				
For other textiles, including cotton and staple fibre	1951	8,569	7,399				
Parts and accessories					245		
Card clothing	1951	4,089	2,327				
Boxes and cans	1951	671	352				
Other	1951	6,606	1,611				
For spinning, doubling and twisting							
Complete							
For wool	1951	Th. spindles 161 £'000 1,277	Th. spindles 34 £'000 292				
For other textiles, including cotton and staple fibre	1951	Th. spindles 1,474(g) £'000 9,166	Th. spindles 858 £'000 6,452		199		
Parts and accessories	1951	5,968	4,469				
Total for spinning, doubling and twisting and all preparatory processes	{ 1951 1948 1937	{ 38,827 27,937 7,263	{ 23,527 20,544 5,248		{ 444 414 182		
Bobbins separately sold or consigned	{ 1951 1948 1937	{ 3,179 2,723 731	{ 538 947 267		{ (h) 16		
For processes preparatory to weaving but subsequent to spinning and twisting							
Complete							
Winding machines	{ 1951 1948	{ 85(g) 91(g)	{ 1,657 1,174	{ 36 26	{ 720 447	{ 26 74	{ 946 973

(91751/1)

TABLE 11 (contd.)

	Production (b)(c)		Exports (d)		Retained imports (e)		
	£'000	£'000	£'000	£'000	£'000	£'000	
Textile machinery, and parts and accessories, new (f) (contd.)							
For processes preparatory to weaving but subsequent to spinning and twisting (contd.)							
Complete (contd.)							
Other	{ 1951 1948	{	{ 1,318 654	{	{ 504 455	{	{ 381 271
Parts and accessories	{ 1951 1948	{	{ 700 545	{	{ 427 298	{	{ 403 238
Total for processes preparatory to weaving but subsequent to spinning and twisting	{ 1951 1948 1937	{ 3,675 2,373 573	{ 1,651 1,200 98		{ 1,730 1,482 67		
Looms for weaving							
Complete							
Automatic weft replenishing	{ 1951 1948	{ No. 10,805 7,023	{ 3,438 1,862	{ No. 4,045 2,495	{ 1,421 673	{ No. 213 398	{ 214 215
Narrow fabric	{ 1951 1948	{ 196 220	{ 94 117	{ 31 395	{ 13 60	{ 255 78	{ 36 10
Other	{ 1951 1948	{ 17,639 9,781	{ 2,386 1,503	{ 6,115 6,998	{ 1,689 1,056	{ 545 655	{ 462 157
Total looms for weaving, complete	{ 1951 1948 1937	{ 28,640 17,024 14,721	{ 5,918 3,482 941	{ 10,191 9,888 7,833	{ 3,123 1,790 391	{ 1,013 1,131 1,342	{ 712 382 177
Parts and accessories							
Reeds and healds	1951	1,867		593			
Shuttles	1951	1,422		716		585	
Other	1951	4,067		2,007			
Other weaving machinery (dobbies, jacquards, etc.)	1951	855		272		79	
Total other weaving machinery and parts and accessories of looms	{ 1951 1948 1937	{ 8,212 5,733 1,549		{ 3,588 3,432 904		{ 664 284 106	
Finishing machinery	{ 1951 1948 1937	{ 5,752 3,426 893		{ 3,002 1,931 342		{ 202 54 55	
Hosiery machinery (for stockings or socks), complete							
Circular seamless	1951	539	157	709	480		
Half- and three-quarter hose	1951	4,712	2,538	2,365	1,315		
Fully fashioned and other	1951	..	833	..	139		
Other knitting (knitwear) machinery, complete (except flatbed)						1,059	
Circular	1951	1,987	1,906	1,809	1,317		
Warp knitting looms (single and double)	1951	404	488	139	232		
Parts and accessories (except needles) for all knitting machines	1951	..	979	..	366	210	
Total hosiery and other knitting machinery (except flatbed knitwear machines) (i)	{ 1951 1948 1937	{ 6,900 4,788 818		{ 3,849 2,436 538		{ 1,268 1,053 319	
Lace, net and embroidery machinery (j)	{ 1951 1948 1937	{ 587 261 53		{ 266 154 51		{ (k) 2	
Other new textile machinery, and parts and accessories	{ 1951 1948 1937	{ 5,464(1) 3,760(1)(m) 893(1)		{ 3,130 2,098 272		{ 807 475 185	

(91751/2)

TABLE 11 (contd.)

		Production (b)(c)	Exports (d)	Retained imports (e)
		£'000	£'000	£'000
Textile machinery, and parts and accessories, reconditioned (n)				
For cotton and staple fibre	1951	797	352	337
For wool	1951	522	274	
Other descriptions	1951	585	349	
Total textile machinery, and parts and accessories, reconditioned	{ 1951	1,903	975	337
	{ 1948	1,538	1,983	284
Total textile machinery, and parts and accessories, new and reconditioned	{ 1951	80,415(1)	43,647	6,166
	{ 1948	56,021(1)	36,517	4,428
	{ 1937	13,743(1)	8,111	1,109

- (a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.
- (b) Sales in 1951 and 1948, and production for sale in 1937.
- (c) Including production (or sales) by establishments classified to other trades.
- (d) Valued f.o.b.
- (e) Valued c.i.f.
- (f) Not described as new in 1937.
- (g) Partly estimated.
- (h) Not recorded separately.
- (i) For 1937, the figures include flatbed knitwear machines.
- (j) For 1937, described as 'Lace and net machinery'.
- (k) Included with 'Other new textile machinery, and parts and accessories'.
- (l) The production figures exclude tubes of paper or cardboard, total sales of which (see the Manufactured Stationery, Paper Bag and Kindred Trades - Volume 10, Trade 1) amounted to £2,498,000 in 1951, £1,866,000 in 1948 and £630,000 (production for sale) in 1937.
- (m) Including unclassified textile machinery sales.
- (n) The overseas trade figures relate to used machinery, whether reconditioned or not.

Usage of certain specified purchased materials, 1951
Larger establishments in the United Kingdom

TABLE 12

Materials used	Quantity
Iron	Th. tons
Pig iron	63.8
Iron castings, in the rough	39.5
Wrought iron in all forms, except finished parts	1.3
Non-alloy steel	
Ingots, billets, blooms and slabs	0.1
Angles, shapes and sections	6.6
Girders, joists, beams and pillars (not fabricated)	0.9
Bars and rods	46.8
Hoop and strip (including tape)	2.6
Tin-, terne- and black-plates and sheets	2.7
Other plates and sheets	
1/8 in. thick and over	2.9
Under 1/8 in. thick	4.7
Tubes and fittings	5.1
Wire (single wire)	4.6
Forgings in the rough, other than drop forgings	1.4

TABLE 12 (contd.)

Materials used	Quantity
Non-alloy steel (contd.)	Th. tons
Drop forgings	0.5
Castings in the rough	1.8
Alloy steel (including high-speed steel)	
Ingots, billets, blooms and slabs	-
Bars, rods, angles, shapes, sections, girders, joists and pillars (not fabricated)	4.1
Plates, sheets and strip	
1/8 in. thick and over	0.2
Under 1/8 in. thick	0.8
Tubes and fittings	0.1
Wire (single wire)	0.9
Forgings in the rough, other than drop forgings	0.2
Drop forgings	0.1
Castings in the rough	0.1
	Th.cwts.
Non-ferrous metals in all forms, except finished parts	
Aluminium and aluminium alloys	118.6
Antimony	-
Brass and other copper alloys, including nickel silver but excluding other nickel alloys	41.6
Copper	9.8
Lead and alloys of lead	9.0
Tin	5.0
Zinc and alloys of zinc	7.2
	Th.cu.ft.
Timber (other than reclaimed), including that used for packing or packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases	
Hardwood	2,011
Softwood	1,319

TABLE 13
Employment in September
Larger establishments (a)

	United Kingdom			Great Britain		United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)
Males							
Under 18	3,380	3,209	3,064	..	2,855	5,828	4,493
All ages	56,163	57,183	57,468	..	52,707	36,567	33,238
Females							
Under 18	386	443	488	..	508	867	699
All ages	6,720	6,674	6,632	..	6,191	2,918	2,783
Total							
Under 18	3,766	3,652	3,552	..	3,363	6,695	5,192
All ages	62,883	63,857	64,100	..	58,898	39,485	36,021

(continued overleaf)

TABLE 13 (contd.)

	(ii) Administrative, technical and clerical employees (e)							Number
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935	
Males				..				
Under 18	215	187	224	..	279	266	199	
All ages	7,183	6,807	6,800	..	6,075	3,038	2,896	
Females				..				
Under 18	471	456	445	..	401	256	135	
All ages	3,342	3,034	2,937	..	2,521	965	804	
Total				..				
Under 18	686	643	669	..	680	522	334	
All ages	10,525(f)	9,841(f)	9,737(f)	..	8,596(f)	4,003	3,700	

	(iii) Total employees							Number
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(c)	1948	1937	1935	
Males				..				
Under 18	3,595	3,396	3,288	..	3,134	6,094	4,692	
All ages	63,346	63,990	64,268	..	58,782	39,605	36,134	
Females				..				
Under 18	857	899	933	..	909	1,123	834	
All ages	10,062	9,708	9,569	..	8,712	3,883	3,587	
Total				..				
Under 18	4,452	4,295	4,221	..	4,043	7,217	5,526	
All ages	73,408(f)	73,698(f)	73,837(f)	..	67,494(f)	43,488	39,721	

(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 21 Males 406 Females
Other workers 27 Males 47 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	88	93	110	..	80	
Females	-	-	-	..	1	
Total	88	93	110	..	81	

Average employment
Larger establishments (a)

	Average employment							Number
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949(b)	1948	1937	1935	
Operatives	63,197	63,451	64,782	..	58,898	39,485	36,021	
Administrative, technical and clerical employees	10,242	9,628	9,604	..	8,596(c)	4,003(c)	3,700(c)	
Total	73,439	73,079	74,386	..	67,494	43,488	39,721	

(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.

	Outworkers						
	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
Males	27	6	21	21	8	..	..
Females	80	72	79	79	86	..	..
Total	107	78	100	100	94	..	..

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	294	2,352	1
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	32,928	329,242	17
Other shift systems	2,686	25,876	4
Total	35,908	357,470	(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	..	22	..	23,127	6,805
Percentage of total in trade	100.0	5.0(c)	100.0	40.0(c)	12.0(c)
Percentage of total on returns showing shift-work				100.0	29.4

(c) Rounded to avoid disclosure.

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

	United Kingdom			Great Britain	
	1951	1950	1949	1949 (a)	1948
Wages and salaries (b) of					
Operatives	22,922	21,031	20,850	..	18,166
Administrative, technical and clerical employees	5,037	4,583	4,299	..	3,543
Total	27,958	25,614	25,149	..	21,708
Employers' contributions to all National Insurance Schemes	742	735	752	..	568

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

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

United Kingdom			Great Britain	
1951	1950	1949	1949	1948
18	7	11	11	6

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

	United Kingdom		Great Britain	
	1951	1949	1949 (a)	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	1,739	1,510	..	1,230
Second-hand	104	100	..	244
Vehicles				
New	213	189	..	119
Second-hand	134	51	..	58
Total acquisitions	2,191	1,850	..	1,649
Disposals				
Plant and machinery	70	75	..	99
Vehicles	64	38	..	27
Total disposals	134	113	..	125
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	535	488	..	407

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

1951

Summary

Larger establishments

TABLE 18

	England (a)	Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	77,623	..	4,658	..	..	82,281
Cost of materials and fuel used	33,613	..	1,894	..	..	35,507
Payment for work done on materials given out	840	..	17	..	..	857
Transport payments	554	..	77	..	..	632
Net output	42,616	..	2,671	..	..	45,286
Wages and salaries of persons employed	26,137	..	1,821	..	..	27,958
	No.	No.	No.	No.	No.	No.
Average number of persons employed (b)	68,564	..	4,963	..	..	73,527
	£	£	£	£	£	£
Net output per person employed (b)	622	..	538	..	..	616
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	14,227	..	1,035	..	..	15,262
Materials and fuel	11,337	..	652	..	..	11,988
	No.	No.	No.	No.	No.	No.
Number of establishments	428	..	32	..	..	460

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)	75,858	..	4,440	..	..	80,298
Changes in stocks and work in progress (see Table 21)	+ 1,765	..	+ 218	..	..	+ 1,983
Gross output (production)	77,623	..	4,658	..	..	82,281
Materials and fuel used by firms in this trade						
Purchases	36,147	..	2,036	..	..	38,183
Changes in stocks (see Table 21)	- 2,534	..	- 142	..	..	- 2,676
Materials and fuel used	33,613	..	1,894	..	..	35,507

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Wales and Northern Ireland cannot be given separately and have been included with those for England. Northern Ireland net output was less than 10 per cent. of that of the United Kingdom.

(b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	215	-	13	228
Average number of persons employed (b)				
Males	1,084	-	67	1,151
Females	172	-	9	181
Total	1,256	-	76	1,332

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

Sales in the trade
Larger establishments

TABLE 20

Kind of output (i) Complete machines (ii) Parts	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000		£'000		£'000		£'000
Principal products										
Textile machinery, new										
For processes preparatory to spinning and twisting										
For wool	{ (i)	2,230	-	-	..	2,230	-	-	..	2,230
	{ (ii)	744	-	-	..	744	-	-	..	744
For other textiles, including cotton and staple fibre	{ (i)	(a)	..	(a)	..	..	..	(a)	..	8,291
	{ (ii)	(a)	..	(a)	..	..	..	(a)	..	1,738
For spinning, doubling and twisting	{ (i)	(a)	..	(a)	..	..	..	(a)	Th. 1,582.2	9,978
	{ (ii)	(a)	..	(a)	..	..	..	(a)	..	3
For processes preparatory to weaving but subsequent to spinning and twisting	{ (i)	2,590(b)	..	187	..	..	..	(b)	..	2,777
	{ (ii)	583(b)	..	58	..	..	..	(b)	..	641
Looms for weaving, other than hand looms	{ (i)	(a)	..	(a)	..	..	..	(a)	No. 20,454	5,794
	{ (ii)	(a)	..	(a)	..	..	..	(a)	..	2,347
Other weaving machinery (dobbies, jacquards, etc.) and hand looms	{ (i)	(a)	..	(a)	..	..	..	(a)	..	606
	{ (ii)	(a)	..	(a)	..	..	..	(a)	..	249
Finishing machinery	{ (i)	2,971(b)	..	466	..	..	..	(b)	..	3,438
	{ (ii)	726(b)	..	86	..	..	..	(b)	..	813
Other new textile machinery	{ (i)	(a)	..	(a)	..	..	..	(a)	..	9,562
	{ (ii)	(a)	..	(a)	..	..	..	(a)	..	2,229
Total textile machinery, new	{ (i)	40,838(b)	..	1,840	..	..	..	(b)	..	42,678
	{ (ii)	10,605(b)	..	336	..	..	..	(b)	..	10,942
Textile machinery, reconditioned										
For wool	{ (i)	(a)	..	(a)	..	359	-	-	..	359
	{ (ii)	(a)	..	(a)	..	120	-	-	..	120
Other descriptions, including for cotton and staple fibre	{ (i)	(a)	..	(a)	..	903	-	-	..	903
	{ (ii)	(a)	..	(a)	..	385	-	-	..	385
Total textile machinery, reconditioned	{ (i)	1,130	..	133	..	1,262	-	-	..	1,262
	{ (ii)	495	..	11	..	506	-	-	..	506

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

Textile machinery, accessories										
Bobbins	..	2,260(b)	..	186	..	..	..	(b)	..	2,446
Spindles, flyers and rollers	..	1,898(b)	..	23	..	..	..	(b)	..	1,921
All other sorts, except needles and tubes of paper and cardboard	..	13,506(b)	..	1,011	..	..	..	(b)	..	14,516
Total textile machinery accessories		17,663(b)		1,220		..		(b)		18,883
Waste products (except scrap metals)		37		19		56		-		56
Repair and jobbing work (c)		732(b)		125		..		(b)		856
Work done for the trade or on commission (d)		301		16		317		-		317
Total principal products		71,801(b)		3,699		..		(b)		75,500
Other output										
Machinery and plant, and parts										
Agricultural	..	(a)	..	(a)	..	79	-	-	..	79
Machine tools and engineers' small tools	..	(a)	..	(a)	..	..	..	(a)	..	300
Wire making, working and winding machinery	..	151	-	-	..	151	-	-	..	151
Other machinery and parts	..	1,091(b)	..	522	..	..	..	(b)	..	1,614
Castings, in the rough or machined	..	567(b)	..	27	..	..	..	(b)	..	594
Other engineering products	..	(a)	..	(a)	..	..	..	(a)	..	311
Other manufactures of metal	..	281	-	-	..	281	-	-	..	281
Other goods	..	(a)	..	(a)	..	..	..	(a)	..	517
Scrap metal sold	..	198(b)	..	13	..	..	..	(b)	..	211
Work done (d)		(a)		(a)		..		(a)		741
Total		75,858(b)		4,440		..		(b)		80,298

- (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, exclusive of the value of goods made and recorded as output.
 (d) Amount charged.

TEXTILE MACHINERY AND ACCESSORIES COUNTRY TABLES

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

Larger establishments

TABLE 21

£'000

		England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Products on hand for sale	{ at beginning of year	3,461	186	..	..	3,647
	{ at end of year	3,712	245	..	..	3,957
Work in progress	{ at beginning of year	9,001	631	..	..	9,632
	{ at end of year	10,515	790	..	..	11,305
Total products on hand for sale and work in progress	{ at beginning of year	12,462	817	..	..	13,279
	{ at end of year	14,227	1,035	..	..	15,262
Materials and fuel	{ at beginning of year	8,803	510	..	..	9,312
	{ at end of year	11,337	652	..	..	11,988

(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)

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

TABLE 22

(i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	3,057	323	..	..	3,380
All ages	52,410	3,753	..	..	56,163
Females					
Under 18	357	29	..	..	386
All ages	6,211	509	..	..	6,720
Total					
Under 18	3,414	352	..	..	3,766
All ages	58,621	4,262	..	..	62,883

(ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	204	11	..	..	215
All ages	6,773	410	..	..	7,183
Females					
Under 18	417	54	..	..	471
All ages	3,019	323	..	..	3,342
Total					
Under 18	621	65	..	..	686
All ages (c)	9,792	733	..	..	10,525

TABLE 22 (contd.)

(iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	3,261	334	..	..	3,595
All ages	59,183	4,163	..	..	63,346
Females					
Under 18	774	83	..	..	857
All ages	9,230	832	..	..	10,062
Total					
Under 18	4,035	417	..	..	4,452
All ages (c)	68,413	4,995	..	..	73,408

(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 merchanting and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

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

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

(iv) Working proprietors

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	84	4	..	..	88
Females	-	-	-	-	-
Total	84	4	..	..	88

(v) Excluded employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	21	-	..	..	21
Females	394	12	..	..	406
Total	415	12	..	..	427
Other workers					
Males	26	1	..	..	27
Females	44	3	..	..	47
Total	70	4	..	..	74
Total excluded employees	485	16	..	..	501

Average employment

Larger establishments

TABLE 23

Number

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Operatives	58,952	4,245	..	..	63,197
Administrative, technical and clerical employees	9,528	714	..	..	10,242
Total	68,480	4,959	..	..	73,439

(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.

Outworkers. In addition to the employees shown above the firms in this trade employed 27 male and 80 female outworkers, all in England, Wales and Northern Ireland.

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

Larger establishments

TABLE 24 £'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	21,466	1,456	..	..	22,922
Administrative, technical and clerical employees	4,671	366	..	..	5,037
Total	26,137	1,821	..	..	27,958
Employers' contributions to all National Insurance Schemes	690	52	..	..	742

(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 £18,000 paid to outworkers employed in England, Wales and Northern Ireland.

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

Larger establishments

TABLE 25 £'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	1,643	96	..	..	1,739
Second-hand	96	9	..	..	104
Vehicles					
New	198	15	..	..	213
Second-hand	125	9	..	..	134
Total acquisitions	2,062	129	..	..	2,191
Disposals					
Plant and machinery	68	2	..	..	70
Vehicles	58	6	..	..	64
Total disposals	126	8	..	..	134
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	518	17	..	..	535

(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

TABLE 26 £'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Amounts paid to other firms and undertakings	532	77	..	..	609
Amount paid or credited to firms' own separate transport organisations	22	1	23	-	23
Total	554	77	..	..	632

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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