



BOARD OF TRADE

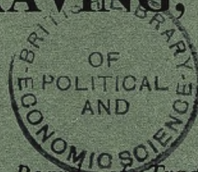
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THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 10

Trade K

PRINTING AND PUBLISHING, BOOKBINDING,
ENGRAVING, ETC.



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

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* Not applicable to this trade

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PRINTING AND PUBLISHING, BOOKBINDING, ENGRAVING, ETC. TRADES

THIS REPORT on the Printing and Publishing, Bookbinding, Engraving, etc. Trades relates to establishments wholly or mainly engaged in printing, bookbinding, stereotyping, engraving and similar kinds of work, or in the publishing of books, etc.; it does not include those wholly or mainly engaged in the printing or publishing of newspapers and periodicals (for which see Volume 10, Trade J).

This trade corresponds to minimum list heading 189 in the Standard Industrial Classification.

The report has been prepared in two parts; Part A covers those establishments who are wholly or mainly engaged in printing, bookbinding, engraving, etc.; Part B is confined to those establishments who are wholly or mainly publishers (as distinct from printers) of books, maps, etc.

For published matter, the publishers were required to state the net selling value and the net advertisement revenue; firms printing for United Kingdom publishers were asked to state the net amount charged.

For the Partial Census of 1946 printing firms employing on the average from 11 to 49 persons who were unable to complete the detailed schedule were allowed to complete the abbreviated schedule applicable to firms employing under 11 persons. As a result complete figures for wages and salaries are not available for that year.

No production by non-printing publishers was recorded in Northern Ireland.

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.

PART A - PRINTERS, BOOKBINDERS, ETC.

Summary

Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1946	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (b)	189,877	153,575	137,561	136,317	131,045	84,587	60,783
Cost of materials and fuel used (c)	64,978	46,489	40,827	40,386	35,976	22,861	18,638
Payment for work done on materials given out					9,919	4,575	1,751
Authors' royalties, copyright payments, payments to contributors and press agencies, and editorial, artists' and readers' fees (less any payments received from authors)	14,738	12,966	11,977	11,951			
Estimated Excise duty on playing cards	(d)	(d)	(d)	(d)	(d)	(d)	70
Transport payments (e)	1,638	..	..	..	..	..	..
Net output	108,524	94,121	84,758	83,980	84,571	56,713	40,324
Wages and salaries of persons employed	65,632	59,017	53,555	53,094	48,629	..	..
Average number of persons employed (f)	No.	No.	No.	No.	No.	No.	No.
	179,704	176,436	169,792	167,773	162,404	131,654	180,693
Net output per person employed (f)	£	£	£	£	£	£	£
	604	533	499	501	521	431	223
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	17,213	13,478	12,354	12,300	11,603	6,548	..
Materials and fuel	27,492	16,682	13,333	13,204	14,495	5,657	..
	No.	No.	No.	No.	No.	No.	No.
Number of establishments	2,782	2,582	2,537	2,500	2,398	..	2,701

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)	164,761	153,603	137,990	136,731	115,186	83,243	51,106
Other output (i)	21,382						
Changes in stocks and work in progress (j)	+ 3,734	+ 1,131	+ 592	+ 600	+ 1,509	+ 1,805	
Less payment for transport outwards (e)	189,877	154,734	138,582	137,331	131,796	85,048	60,783
	..	1,159	1,021	1,014	752	461	
Gross output (production)	189,877	153,575	137,561	136,317	131,045	84,587	60,783
Materials and fuel used by firms in this trade							
Purchases	75,808	49,666	39,356	38,932	38,424	24,262	18,638
Changes in stocks (j)	- 10,830	- 3,177	+ 1,471	+ 1,454	- 2,448	- 1,401	
Materials and fuel used	64,978	46,489	40,827	40,386	35,976	22,861	18,638

(a) For small firms' summary see Table 2.

(b) 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.

(c) Amounts paid for delivery services are excluded for 1951 but included for other years.

(d) Not included in gross output.

(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, 1948 and 1946) or production for sale (1935).

(h) For details for 1951 and 1948 see Table 8(i).

(i) For details for 1951 and 1948 see Table 10.

(j) For details for 1951 see Table 21.

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TABLE 2

Summary: Small firms (a)

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
	£'000	£'000	£'000	£'000	£'000
Gross output (sales)	12,740	..	..	..	10,449
Cost of materials and fuel purchased during the year	4,566	..	..	..	2,950
Payment for work done on materials given out	1,012	..	..	..	886
Net output (b)	7,162	..	..	..	6,613
Average number of persons employed (c)	No.	No.	No.	No.	No.
Males	12,076	14,435	14,462	14,289	12,748
Females	3,782	4,742	4,617	4,564	3,888
Total	15,858	19,177	19,079	18,853	16,636
Net output per person employed	£	£	£	£	£
	452	..	..	..	398
Number of returns	No.	No.	No.	No.	No.
	3,274	3,646	3,910	3,864	3,272

(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) The value of net output here is the difference between the value of gross output (sales) and cost of materials and fuel purchased during the year less payment for work done on materials given out.

(c) Including working proprietors.

Estimated average employment (a): All firms

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	179,704	176,436	169,792	167,773	162,404
Employing on the average ten or fewer persons (c)	15,858(d)	19,177(d)	19,079	18,853	16,636
	195,562	195,613	188,871	186,626	179,040
Estimated average employment in firms not making satisfactory returns	3,788	1,822	1,652	1,652	5,024
Estimated average employment in all firms	199,350(d)	197,435(d)	190,523	188,278	184,064

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) See Tables 2 and 23(ii).

(d) 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 - 4	1,169	18,027	10,530	19,764	4,934	1,507	6,440	533
25 - 49	773	26,660	15,403	26,914	7,011	2,347	9,359	572
50 - 99	466	32,458	19,259	32,483	8,924	2,830	11,754	593
100 - 199	227	34,426	20,059	31,973	8,886	2,975	11,861	627
200 - 299	58	14,873	8,281	14,101	4,130	1,112	5,242	587
300 - 399	32	13,003	7,117	10,777	3,316	1,049	4,365	660
400 - 499	16	6,847	4,075	7,107	1,799	624	2,423	573
500 - 749	18	13,309	7,154	10,564	3,110	866	3,977	677
750 - 999	12	9,725	6,176	10,022	2,944	1,153	4,098	616
1,000 and over	11	20,551	10,469	15,999	4,680	1,435	6,114	654
Total	2,782	189,877	108,524	179,704	49,735	15,898	65,632	604

(a) Administrative, technical and clerical employees.

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Analysis by standard region, 1951

Larger establishments in the United Kingdom

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
England	No.	£'000	£'000		No.	£'000	£'000	£'000	£
Northern	94	3,904	2,132	2.0	4,537	999	324	1,324	470
East and West Ridings	234	15,905	8,500	7.8	14,718	3,587	1,170	4,757	577
North Midland	183	10,467	5,779	5.3	9,917	2,489	863	3,352	583
Eastern	137	14,618	9,284	8.6	14,806	4,659	1,276	5,935	627
London and South Eastern	1,018	75,023	43,175	39.8	64,131	20,120	6,181	26,301	673
Southern	116	10,406	6,536	6.0	10,966	3,061	995	4,056	596
South Western	122	9,449	5,019	4.6	8,914	2,332	804	3,136	563
Midland	225	10,723	6,498	6.0	11,382	2,739	1,030	3,768	571
North Western	366	19,198	10,678	9.8	19,057	4,950	1,394	6,343	560
Total England	2,495	169,693	97,600	89.9	158,428	44,936	14,036	58,972	616
Wales	38	1,151	718	0.7	1,464	332	118	450	491
Scotland	213	17,493	9,324	8.6	17,880	4,060	1,612	5,671	521
Great Britain	2,746	188,338	107,643	99.2	177,772	49,327	15,766	65,094	606
Northern Ireland	36	1,539	881	0.8	1,932	407	131	539	456
United Kingdom	2,782	189,877	108,524	100.0	179,704	49,735	15,898	65,632	604

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

TABLE 6

	Establishments	Gross output	Sales of characteristic products (a)	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (b)	Total	
Specialist producers of or specialists in	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Printed books, music and diaries	72	18,183	14,337	10,247	16,409	4,353	1,596	5,948	624
Greeting cards, calendars and picture postcards	69	5,943	4,916	3,141	5,872	1,132	612	1,744	535
Other published matter (excluding newspapers, reviews, trade journals and similar periodicals)	31	1,809	1,392	1,084	2,387	698	238	936	454
Printing	1,889	111,918	90,509	61,726	99,074	27,245	8,862	36,107	623
Bookbinding, stitching and finishing	161	5,736	5,103	3,999	8,574	2,136	414	2,550	466
Stereotyping, electrotyping and engraving	245	10,443	9,740	7,762	11,120	4,211	1,172	5,383	698
Remainder of the trade	315	35,846		20,565	36,268	9,960	3,004	12,964	567
Total	2,782	189,877		108,524	179,704	49,735	15,898	65,632	604

(a) Net selling value of goods sold and/or amount charged for printing, etc. work done.

(b) Administrative, technical and clerical employees.

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TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

Larger establishments (a)

TABLE 8(i)

Books and other published matter (i) Printed and published (b) (ii) Printed for other United Kingdom commercial publishers	United Kingdom 1951			Great Britain 1948	
	Sales and work done				
	Quantity	Value	Entries	Quantity	Value
Books and other published matter	Th. doz.	£'000	No.	Th. doz.	£'000
Printed books	{ (i) .. (ii) ..	11,908 (c) 11,776	282 348	.. ..	10,549 (c) 7,778
Music	{ (i) .. (ii) ..	167 359	8 22	.. ..	156 485
Diaries	{ (i) 1,298 (ii) ..	1,262 (c) 525	103 62	1,220 ..	1,104 (c) 257
Christmas cards and greeting cards	{ (i) 1,768 (ii) ..	2,580 993	197 164	Th. gross 2,411 ..	2,307 722
Calendars	{ (i) 127 (ii) ..	881 378	232 162	268 ..	959 (c) 397
Picture postcards	{ (i) 7,323 (ii) ..	416 126	37 41	Th. doz. 8,202 ..	457 52
Other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals)	{ (i) .. (ii) ..	3,030 (c) 1,505	317 151	.. ..	2,719 (c) 906
Royalties and receipts for reproduction rights, etc. (d)		136	24		106
Total published matter	{ (i) 21,878 (ii) 16,676		.. ..		19,526 10,783
Other goods sold, or work done	Th. cwts.			Th. cwts.	
Manuscript books					
Account books, etc.	{ 99.1	1,173 2,162	733	{ 45.1	709 1,489
Other manuscript books, stapled, etc. (e.g., school exercise books, duplicate books)	{ 303.4	4,163 2,181	526	{ 168.2	1,743 1,418
Albums and the like	{ ..	932	77	{ ..	557
Playing cards (e)					
Tickets, showcards and posters, returned as such (f)	{ ..	1,651	103	{ ..	3,206
Transfer printing (f)	{ ..	523	10	{ ..	813

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TABLE 8(i) (contd.)

	United Kingdom 1951				Great Britain 1948	
	Sales and work done					
	Main materials supplied by customers	Entries	Main materials supplied by firms doing the work	Entries	Main materials supplied by customers	Main materials supplied by firms doing the work
	£'000	No.	£'000	No.	£'000	£'000
Other goods sold, or work done (contd.)						
Lithographic, chromo-litho, photo-litho and type-litho printing						
Posters	313	42	2,469	186	153	1,349
Other	1,734	115	16,202	383	1,195	12,184
Photogravure printing	2,835	15	1,300	29	1,445	982
Other photographic printing, not elsewhere specified	64	5	677	56	49	427
Copper and steel printing	55	8	1,835	45	158	1,285
Silk screen printing	96	7	1,158	100			264
General printing, not included elsewhere					(g)	(h)
Tag label and ticket printing	65	50	3,288	885		
Catalogues, trade lists and advertising material	445	127	13,116	1,173	335	7,452
Forms for loose leaf binders	36	58	1,259	749	38	1,024
Cards for card index equipment	19	46	(h)	..	(g)	(h)
Tabulating machine cards	4	14	1,434	182	24	1,020
Pattern cards	10	7	(h)	..	(g)	(h)
Other general printing	2,821	387	56,425	2,375	2,600	37,296
Machine ruling	292	166	590	358	229	578
Binding (including re-binding)	823	200	6,169	674	572	4,839
Stitching, folding, cutting, etc.	243	184	804	376	207	669
Stereotyping and electrotyping	54	12	1,344	148	9	914
Engraving of blocks, plates, etc.						
Process blocks (relief work)	95	14	5,129	297	60	3,930
Other	102	12	1,206	148	47	392
Photo-litho off-set plates	195	23	903	53	20	495
Die sinking and relief stamping	413	61	1,033	218	247	686
Typesetting	407	34	1,768	361	76	1,366
Engraving on name plates, labels, dials, scales, memorial plates, etc. (f) (i)	27	..	178	8	43	233
Gilding, blocking, stamping, lettering, etc. (f)	19	5	101	19	26	102
Tin printing (f)	380	9	79	..	52	289
Other products or work done	64	18	553	107	65	396
Waste products sold		£'000			£'000	
		1,059		1,268	86(j)	
Total		183,031		..	126,152	
Goods sold and work done in other trades (see Table 9)		18,270		..	10,966	
Total goods sold and work done (principal products, including published matter) by establishments in the trade		164,761		2,644	115,186	

(a) For output of small firms see Table 8(ii).

(b) Including the printing of published matter for overseas customers and for non-commercial United Kingdom publishers (manufacturers, learned societies, etc.) who do not make Census of Production returns in this trade.

(c) Including net charges for advertisements. The total amount of advertisement revenue in 1951 from all classes of published matter other than newspapers, magazines, reviews, trade journals and similar periodicals was £1,268,000 (£804,000 from printed books and £464,000 from diaries and other published matter); in 1948 the amount was £889,000 (£633,000 from printed books, £2,000 from diaries, and £254,000 from calendars and other published matter).

(d) Amount received.

(e) The values shown exclude any Excise duty paid by the firms.

(f) So far as recorded separately.

(g) Included with 'Other general printing' in 1948.

(h) Included in the figures shown for 'Other and unclassified manufactures of paper and cardboard' in Table 10.

(i) Excluding name plates, etc. engraved by firms that also made the blanks. For such name plates, etc. of brass see the Brass Manufacturers Trade (Volume 5, Trade F).

(j) Excluding waste paper and board and scrap metals, for which see Table 10. Particulars of this waste and scrap were not recorded separately for 1951.

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Total sales by small firms in Great Britain (a)

TABLE 8(ii)

	1951		1948
	Value	Entries	Value
	£'000	No.	£'000
Published matter, including newspapers, magazines, journals, etc.			
Sales revenue	96	205	86
Advertisement revenue (net charges)	41	76	55
Printing for customers	10,703	2,846	8,568
Other work done or goods made	1,899	769	1,742
Total	12,740	3,274	10,449

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

Sales of principal products of the trade by establishments classified to other trades
Larger establishments (a)

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Sales and work done				
	Quantity	Value	Entries	Quantity	Value
	£'000	No.	Th.doz.	£'000	
Books and other published matter					
(i) Printed and published					
(ii) Printed for other United Kingdom commercial publishers					
Books and other published matter					
Printed books	{ (i) .. (ii) ..	4,135(b) 775	101 42	.. ..	2,665(b) 866
Diaries	{ (i) .. (ii) ..			16 ..	22(b) 14
Christmas cards and greeting cards	{ (i) .. (ii) ..	40(b) 267	8 17	Th.gross 439	189 116
Calendars	{ (i) .. (ii) ..	73 14 83	8 .. 19	42	89 60 -
Picture postcards	(i)	-	-	Th.doz. 59	2
Other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals)	{ (i) .. (ii) ..	619(b) 48	187 24	.. ..	406(b) 15
Total published matter	{ (i) .. (ii) ..	4,881 1,173	.. ..		3,550 895
Other goods sold, or work done	Th.cwts.			Th.cwts.	
Manuscript books					
Account books, etc.	{ 72.4 ..	467 543	30	14.6 ..	180 255
Other manuscript books, stapled, etc. (e.g., school exercise books, duplicate books)	{ 114.9 ..	1,476 84	30	-	-
Albums and the like	..	168	16	..	128
Tickets, showcards and posters, returned as such		979	61	..	586
Transfer printing					

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TABLE 9 (contd.)

	United Kingdom 1951				Great Britain 1948	
	Sales and work done					
	Main materials supplied by customers		Main materials supplied by firms doing the work		Main materials supplied by customers	Main materials supplied by firms doing the work
	Value	Entries	Value	Entries	Value	Value
	£'000	No.	£'000	No.	£'000	£'000
Other goods sold or work done (contd.)						
Lithographic, chromo-litho, photo-litho and type-litho printing						
Posters	-	-	804	8	1	11
Other					39	212
Photogravure printing and other photographic printing, not elsewhere specified	118	7	39	..	45	34
Silk screen printing	-	-	15	..	15	41
General printing, not included elsewhere						
Forms for loose leaf binders	-	-	-	-	-	137
Tabulating machine cards	-	-	207	..		
Tag label and ticket printing						
Catalogues, trade lists and advertising matter	34	5	5,999	534	530	3,495
Pattern cards						
Other general printing						
Machine ruling	-	-	-	-	10	11
Binding (including re-binding)	11	..	89	5		18
Stereotyping and electrotyping						96
Stitching, folding, cutting, etc.	-	-	-	-	11	5
Engraving of blocks, plates, etc.						
Process blocks (relief work)					43	357
Other						-
Photo-litho off-set plates						
Die sinking and relief stamping	53	12	678	139	33	59
Engraving on name plates, labels, dials, scales, memorial plates, etc.						
Gilding, blocking, stamping, lettering, etc.					7	8
Typesetting and tin printing	420	10	30	..	16	140
Total goods sold and work done (including published matter)			18,270			10,966

- (a) For convenience, all sales of principal products of this trade by establishments classified to other trades have been treated as principal products of the printing, bookbinding, etc. section of this trade: principal products of the publishing (non-printing) section of the trade are unlikely to have been produced in other trades.
- (b) Including advertisement revenue amounting, for all classes of published matter, to £388,000 in 1951 and £245,000 in 1948.

TABLE 10 Sales in the trade of other than principal products: Larger establishments (a)

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Million	£'000	Million	£'000
Newspapers, magazines, reviews, trade journals and similar periodicals				
Printed and published, or printed for customers other than United Kingdom commercial publishers (b)	75.6	1,999	58.4	1,184
Printed for other United Kingdom commercial publishers	..	1,691	..	1,073
		6,497	..	4,383
	Th.cwts.		Th.cwts.	
Loose leaf binders	11.0	269	8.3	183
	..	315	..	273
Envelopes	15.4	246	37.2	363
	..	720	..	719
Notepaper and pads	12.9	201	20.8	277
	..	365	..	350
Boxed stationery	..	100	1.0	11
			..	61
Paper bags	87.9	817	85.2	571
	..	244	..	211
Boxes and cartons of paper and cardboard				
Rigid boxes (including rigid boxes delivered in the flat, and round boxes)	69.5	600	32.7	214
	..	510	..	189
Other	130.9	1,424	84.4	538
	..	1,096	..	500
Jam pot covers, bottle caps, discs, etc.	..	138	..	164
Counter check books, continuous invoice forms and the like	11.0	216	7.9	104
	..	128	..	369
Other and unclassified manufactures of paper and cardboard (c)	..	3,004	..	2,562
Metal manufactures (including rubber stamps)	..	212	..	107
Other goods sold or work done	..	591	..	361
Waste products sold (d)	..	..	..	334
Total		21,382		15,101

(a) For output of small firms see Table 8(ii).

(b) Including net charges for advertisements. The total amounts of advertisement revenue from newspapers, magazines, reviews, trade journals and similar periodicals were £839,000 in 1951 and £622,000 in 1948.

(c) Including, for 1951, the printing of cards for card index equipment and pattern cards, and for 1948, the printing of tag labels, cards for card index equipment and pattern cards, where main materials are supplied by firms doing the work. For output where main materials are supplied by customers, see Table 8.

(d) The 1948 figures cover waste paper and board and scrap metals; separate figures were not called for in respect of these items for 1951. Total sales of waste products in 1951 are shown in Table 8.

TABLE 11 - Production, exports and imports of certain principal products

Owing to differences in classification, no satisfactory comparison can be made between the recorded particulars of production and those of oversea trade.

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

TABLE 12

Materials used	Quantity
	Th.sq.yds.
Woven cotton cloth	16,853.4
	Th.cwts.
Copper sheets and plates	11.9
Zinc	31.3
Metal for tin printing	6.7
Type metal	124.7
Steel wire	8.4

PAPER AND PRINTING

Employment in September

Larger establishments (a)

TABLE 13

(i) Operatives

	United Kingdom					Number
	Great Britain					United Kingdom
	1951(b)	1950(b)	1949(b)	1949(b)	1948(c)	1935(c)
Males						
Under 18	10,037	9,911	9,631	9,486	8,211	11,510
All ages	91,586	89,852	86,090	85,183	81,852	91,710
Females						
Under 18	10,577	11,083	11,422	11,203	11,500	18,921
All ages	58,314	57,599	55,263	54,524	53,914	62,817
Total						
Under 18	20,614	20,994	21,053	20,689	19,711	30,431
All ages	149,900	147,451	141,353	139,707	135,766	154,527

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

	United Kingdom					Number
	Great Britain					United Kingdom
	1951	1950	1949	1949	1948	1935
Males						
Under 18	731	672	801	786	612	1,249
All ages	17,980	17,619	16,851	16,654	15,524	16,741
Females						
Under 18	2,074	2,140	2,201	2,164	2,006	1,568
All ages	12,264	11,898	11,394	11,241	10,621	9,425
Total						
Under 18	2,805	2,812	3,002	2,950	2,618	2,817
All ages	30,244(e)	29,517(e)	28,245(e)	27,895(e)	26,145(e)	26,166

(iii) Total employees

	United Kingdom					Number
	Great Britain					United Kingdom
	1951	1950	1949	1949	1948	1935
Males						
Under 18	10,768	10,583	10,432	10,272	8,823	12,759
All ages	109,566	107,471	102,941	101,837	97,376	108,451
Females						
Under 18	12,651	13,223	13,623	13,367	13,506	20,489
All ages	70,578	69,497	66,657	65,765	64,535	72,242
Total						
Under 18	23,419	23,806	24,055	23,639	22,329	33,248
All ages	180,144(e)	176,968(e)	169,598(e)	167,602(e)	161,911(e)	180,693

(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 22 Males 923 Females
Other workers 1,065 Males 1,186 Females

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

(c) Average for the year.

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

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

(iv) Working proprietors

	United Kingdom					Number
	Great Britain					United Kingdom
	1951	1950	1949	1949	1948	1935
Males	524	509	530	473	449	
Females	46	47	50	43	44	
Total	570	556	580	516	493	

(95775/1)

PRINTERS, BOOKBINDERS, ETC.

Average employment
Larger establishments (a)

TABLE 14

	United Kingdom					Number
	Great Britain					United Kingdom
	1951	1950	1949	1949	1948	1935
Operatives	149,237	146,646	141,118	139,511	135,766	154,527
Administrative, technical and clerical employees	29,897	29,234	28,094	27,746	26,145(b)	26,166(b)
Total	179,134	175,880	169,212	167,257	161,911	180,693

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

(b) In week ended September 25, 1948, and October 12, 1935. The 1935 figure includes working proprietors.

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

	United Kingdom					Number
	Great Britain					United Kingdom
	1951	1950	1949	1949	1948	1935
Males	90	139	131	131	59	..
Females	1,411	1,486	1,295	1,295	897	..
Total	1,501	1,625	1,426	1,426	956	..

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	460	3,614	1
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	4,720	37,270	3
Other shift systems	-	-	-
Total	5,180	40,884	(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	2,608	4	148,387	5,025	1,024
Percentage of total in trade showing shift work	100.0	0.2	100.0	3.4	0.7
				100.0	20.4

(95775/1)

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	1948
Wages and salaries (a) of					
Operatives	49,735	44,482	40,632	40,277	37,028
Administrative, technical and clerical employees	15,898	14,535	12,923	12,817	11,601
Total	65,632	59,017	53,555	53,094	48,629
Employers' contributions to all National Insurance Schemes	1,698	1,638	1,599	1,582	1,238

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

£'000

United Kingdom			Great Britain	
1951	1950	1949	1949	1948
129	131	104	104	72

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	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	6,758	4,753	4,665	3,921
Second-hand	909	580	579	478
Vehicles				
New	509	346	338	248
Second-hand	263	153	143	139
Total acquisitions	8,439	5,832	5,725	4,786
Disposals				
Plant and machinery	589	436	435	327
Vehicles	191	116	114	77
Total disposals	781	552	549	404
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,219	955	954	810

(95775/1)

1951

Summary: Larger establishments

TABLE 18

	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Gross output (production) (a)	£'000 169,693	£'000 1,151	£'000 17,493	£'000 188,338	£'000 1,539	£'000 189,877
Cost of materials and fuel used	57,360	393	6,601	64,354	623	64,978
Payment for work done on materials given out, authors' royalties, copyright payments, payments to contributors, and editorial, artists' and readers' fees, less payments received from authors	13,352	27	1,337	14,716	22	14,738
Transport payments	1,381	12	231	1,624	13	1,638
Net output	97,600	718	9,324	107,643	881	108,524
Wages and salaries of persons employed	58,972	450	5,671	65,094	539	65,632
Average number of persons employed (b)	No. 158,428	No. 1,464	No. 17,880	No. 177,772	No. 1,932	No. 179,704
Net output per person employed (b)	£ 616	£ 491	£ 521	£ 606	£ 456	£ 604
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	13,993	50	3,072	17,114	99	17,213
Materials and fuel	24,405	179	2,594	27,178	314	27,492
Number of establishments	No. 2,495	No. 38	No. 213	No. 2,746	No. 36	No. 2,782

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(i))	166,749	1,139	16,747	184,636	1,508	186,143
Changes in stocks and work in progress (see Table 21)	+ 2,944	+ 12	+ 746	+ 3,702	+ 32	+ 3,734
Gross output (production)	169,693	1,151	17,493	188,338	1,539	189,877
Materials and fuel used by firms in this trade						
Purchases	67,007	458	7,608	75,073	736	75,808
Changes in stocks (see Table 21)	- 9,647	- 64	- 1,007	- 10,718	- 112	- 10,830
Materials and fuel used	57,360	393	6,601	64,354	623	64,978

(a) Excluding Excise duty on playing cards.

(b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Gross output (sales)	£'000 11,564	£'000 367	£'000 809	£'000 12,740
Cost of materials and fuel purchased during the year	4,142	138	286	4,566
Payment for work done on materials given out	932	22	58	1,012
Net output (b)	6,489	207	466	7,162
Average number of persons employed (c)	No. 14,197	No. 534	No. 1,127	No. 15,858
Net output per person employed (c)	£ 457	£ 388	£ 413	£ 452
Number of returns	No. 2,908	No. 137	No. 229	No. 3,274

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

(b) The value of net output here is the difference between the value of gross output (sales) and cost of materials and fuel purchased during the year less payment for work done on materials given out.

(c) Including working proprietors. For details of employment see Table 23(ii).

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Sales and work done in the trade
Larger establishments (a)

TABLE 20 (i)

Books and other published matter (i) Printed and published (b) (ii) Printed for other United Kingdom commercial publishers	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.gross	£'000	Th.gross	£'000	Th.gross	£'000	Th.gross	£'000	Th.gross	£'000
Principal products										
Books and other published matter										
Printed books	{ (i) .. (c) ..	{ (c) .. (c) ..	{	{ 3,622(d) 1,075	{	{	{	{ (c) .. (c) ..	{	{ 7,773(d) 11,001
Music	{ (i) .. (ii) ..	{ 167 (c) ..	{ - ..	{ - (c) ..	{	{ 167 359	{ - -	{ - -	{	{ 167 359
Diaries, Christmas cards and greeting cards	{ (i) .. (ii) ..	{ (c) .. 1,703	{	{ 1,073(d) 64	{	{ .. 1,767	{	{ (c) .. -	{	{ 4,794(d) 1,767
Calendars	{ (i) .. (ii) ..	{ 85 588 351 (c) ..	{ 34 ..	{ 201 13 54	{ 119 ..	{ 789 364 ..	{ .. 3	{ 19 (c) ..	{ 122 ..	{ 808 364 700
Picture postcards	{ (i) .. (ii) ..	{ (c) .. (c) ..	{	{ (c) .. (c) ..	{ Th.doz. 7,323 ..	{ 416 126 218	{ - -	{ - -	{ Th.doz. 7,323 ..	{ 416 126 218
Other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals)	{ (i) .. (ii) ..	{ (c) .. (c) ..	{	{ 234(d) 189	{	{	{	{ (c) .. (c) ..	{	{ 2,412(d) 1,458
Royalties and receipts for reproduction rights, etc. (e)		116		20		136		-		136
Other goods sold, or work done										
Manuscript books										
Account books, etc.	{ 23.0 ..	{ 614 1,255	{ 1.4 ..	{ 27 364	{ 24.4 ..	{ 641 1,619	{ 2.3 ..	{ 65 ..	{ 26.7 ..	{ 706 1,619
Other manuscript books, stapled, etc. (e.g., school exercise books, duplicate books)	{ 173.3 ..	{ 2,496 1,538	{ 9.1 ..	{ 89 559	{ 182.5 ..	{ 2,585 2,097	{ 6.0 ..	{ 102 ..	{ 188.5 ..	{ 2,687 2,097
Albums and the like; and playing cards		(c)		(c)		764		-		764
Tickets, showcards and posters, returned as such; and transfer printing		(c)		(c)		1,194		-		1,194

	Main materials supplied by customers	Main materials supplied by firms doing the work	Main materials supplied by customers	Main materials supplied by firms doing the work	Main materials supplied by customers	Main materials supplied by firms doing the work	Main materials supplied by customers	Main materials supplied by firms doing the work	Main materials supplied by customers	Main materials supplied by firms doing the work
	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Lithographic, chromo-litho, photo-litho and type-litho printing	2,005	16,302	40	1,385	2,045	17,688	3	180	2,047	17,868
Photogravure and other photographic printing, not elsewhere specified	(c)	(c)	(c)	43	2,781	..	-	(c)	2,781	1,939
Copper and steel printing	55	(c)	-	(c)	55	1,835	-	-	55	1,835
Silk screen printing	96	(c)	-	39	96	..	-	(c)	96	1,143
General printing, not included elsewhere										
Forms for loose leaf binders	34	1,120	2	122	36	1,242	-	17	36	1,259
Cards for card index equipment	15	(f)	3	(f)	19	(f)	-	(f)	19	(f)
Tabulating machine cards	4	(c)	-	7	4	..	-	(c)	4	1,227
Tag label and ticket printing; catalogues, trade lists and advertising matter; pattern cards; and other general printing	3,139	62,570(f)	137	3,716(f)	3,276	66,286(f)	33	544(f)	3,308	66,830(f)
Machine ruling	(c)	475	33	103	..	578	(c)	12	292	590
Binding (including re-binding); and stereotyping and electro-typing	812	6,504	51	895	863	7,399	2	25	865	7,424
Stitching, folding, cutting, etc.	(c)	703	22	91	..	794	(c)	10	243	804
Engraving of blocks, plates, etc.										
Photo-litho off-set plates										
Die sinking and relief stamping	701	7,524	97	292	798	7,816	-	55	798	7,871
Engraving on purchased name plates, labels, dials, scales, memorial plates, etc.										
Gilding, blocking, stamping, lettering, etc.										
Type setting and tin printing	(c)	(c)	(c)	7	366	..	-	(c)	366	1,817
Other products or work done	(c)	529	(c)	24	64	553	-	-	64	553
Waste products sold		982		69		1,051		8		1,059
Total principal products		148,505		15,133		163,638		1,123		164,761

TABLE 20 (i) (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value £'000	Quantity Million	Value £'000	Quantity	Value £'000	Quantity	Value £'000	Quantity Million	Value £'000
Other output										
Newspapers, magazines, reviews, trade journals and similar periodicals										
Printed and published (b)	..	(c)	6.8	150 (d)	..	..	..	(c)	75.6	1,999 (d)
Printed for other United Kingdom commercial publishers	..	6,202	..	265	..	6,467	..	30	..	6,497
	Th.cwts.		Th.cwts.		Th.cwts.		Th.cwts.		Th.cwts.	
Loose leaf binders	10.9	256	0.1	11	11.0	268	-	1	11.0	269
	..	302	..	13	..	315	-	1	..	315
Envelopes	..	(c)	..	(c)	14.0	220	1.4	25	15.4	246
	..	..	..	..	..	720	..	..	..	720
Notepaper and pads	10.6	172	1.8	20	12.4	193	0.5	8	12.9	201
	..	280	..	86	..	365	..	..	..	365
Boxed stationery	..	(c)	..	(c)	..	100	-	-	..	100
Paper bags	..	(c)	..	(c)	87.0	804	0.9	13	87.9	817
	..	..	..	..	..	244	..	..	..	244
Boxes and cartons of paper and cardboard										
Rigid boxes (including rigid boxes delivered in the flat and round boxes)	..	(c)	..	(c)	..	..	..	(c)	69.5	600
	..	..	..	..	..	..	..	..	..	510
Other	..	(c)	..	(c)	..	..	..	(c)	130.9	1,424
	..	..	..	..	..	..	..	..	..	1,096
Jam pot covers, bottle caps, discs, etc.	..	(c)	..	(c)	..	138	-	-	..	138
Counter check books, continuous invoice forms and the like	..	(c)	..	(c)	..	..	..	(c)	11.0	216
	..	..	..	..	..	..	..	..	..	128
Other and unclassified manu- factures of paper or cardboard	..	2,796 (f)	..	190 (f)	..	2,986 (f)	..	18 (f)	..	3,004 (f)
Metal manufactures (including rubber stamps)	..	212	-	-	..	212	-	-	..	212
Other goods sold or work done	..	(c)	..	(c)	..	591	-	-	..	591
Waste products sold	..	982	..	69	..	1,051	..	8	..	1,059
Total		167,888		16,747		184,636		1,508		186,143

(a) For output of small firms see Table 20(ii).

(b) Including the printing of published matter for overseas customers and for non-commercial United Kingdom publishers who do not make Census of Production returns in this trade.

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

(d) Including net charges for advertisements. The total amounts of advertisements revenue recorded for the United Kingdom were £839,000 (Scotland, £66,000) for newspapers, magazines, reviews, trade journals and similar periodicals and £880,000 for all other classes of published matter. Owing to the risk of disclosure of information relating to individual firms, further details cannot be given.

(e) Amount received.

(f) Figures relating to the printing of cards for card index equipment and of pattern cards, where main materials are supplied by the firms doing the work, are included with those for 'Other output - Other and unclassified manufactures of paper or cardboard'.

Sales in the trade

Small firms (a)

TABLE 20(ii)

	England and Wales	Scotland	Great Britain
	Value	Value	Value
	£'000	£'000	£'000
Published matter, including newspapers, magazines, journals, etc.			
Sales revenue	90	7	96
Advertisement revenue (net charges)	28	12	41
Printing for customers	10,027	677	10,703
Other work done or goods made	1,786	114	1,899
Total	11,930	809	12,740

(a) Small firms (employing on average ten or fewer persons) that made satisfactory returns.

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	Scotland	Great Britain	Northern Ireland	United Kingdom
Products on hand for sale	{ at beginning of year	3,860	1,251	5,111	20	5,131
	{ at end of year	4,589	1,718	6,308	29	6,337
Work in progress	{ at beginning of year	7,227	1,075	8,301	47	8,348
	{ at end of year	9,453	1,353	10,806	69	10,876
Total products on hand for sale and work in progress	{ at beginning of year	11,087	2,325	13,412	67	13,479
	{ at end of year	14,043	3,072	17,114	99	17,213
Materials and fuel	{ at beginning of year	14,873	1,587	16,460	202	16,661
	{ at end of year	24,584	2,594	27,178	314	27,492

Employment in September

Larger establishments (a)(b)(c)

TABLE 22

(i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	9,259	647	9,906	131	10,037
All ages	84,200	6,536	90,736	850	91,586
Females					
Under 18	8,661	1,769	10,430	147	10,577
All ages	49,868	7,783	57,651	663	58,314
Total					
Under 18	17,920	2,416	20,336	278	20,614
All ages	134,068	14,319	148,387	1,513	149,900

(continued overleaf)

TABLE 22 (contd.)

(ii) Administrative, technical and clerical employees

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	623	89	712	19	731
All ages	16,165	1,634	17,799	181	17,980
Females					
Under 18	1,704	349	2,053	21	2,074
All ages	10,199	1,925	12,124	140	12,264
Total					
Under 18	2,327	438	2,765	40	2,805
All ages (d)	26,364	3,559	29,923	321	30,244

(iii) Total employees

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	9,882	736	10,618	150	10,768
All ages	100,365	8,170	108,535	1,031	109,566
Females					
Under 18	10,365	2,118	12,483	168	12,651
All ages	60,067	9,708	69,775	803	70,578
Total					
Under 18	20,247	2,854	23,101	318	23,419
All ages (d)	160,432	17,878	178,310	1,834	180,144

(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) For average employment in small firms see Table 23(ii).

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

(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	404	60	464	60	524
Females	33	6	39	7	46
Total	437	66	503	67	570

(v) Excluded employees

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	(e)	2	..	(e)	22
Females	(e)	66	..	(e)	923
Total	(e)	68	..	(e)	945
Other workers					
Males	968	97	1,065	-	1,065
Females	1,056	130	1,186	-	1,186
Total	2,024	227	2,251	-	2,251
Total excluded employees	(e)	295	..	(e)	3,196

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

Average employment

Larger establishments

TABLE 23 (i)

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Operatives	133,365	14,339	147,704	1,533	149,237
Administrative, technical and clerical employees	26,090	3,475	29,565	332	29,897
Total	159,455	17,814	177,269	1,865	179,134

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

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	90	-	90	-	90
Females	1,400	11	1,411	-	1,411
Total	1,490	11	1,501	-	1,501

Average employment

Small firms (a)

TABLE 23(ii)

	Number		
	England and Wales	Scotland	Great Britain
Males (b)			
Under 18	1,874	105	1,979
All ages	11,330	746	12,076
Females (b)			
Under 18	459	66	525
All ages	3,401	381	3,782
Total (b)			
Under 18	2,333	171	2,504
All ages	14,731	1,127	15,858

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.

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

Larger establishments

TABLE 24

	£'000				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Wages and salaries (a) of					
Operatives	45,268	4,060	49,327	407	49,735
Administrative, technical and clerical employees	14,155	1,612	15,766	131	15,898
Total	59,422	5,671	65,094	539	65,632
Employers' contributions to all National Insurance Schemes	1,521	160	1,680	18	1,698

(a) Including bonus and commission payments but excluding payments (England and Wales, £129,000; Scotland, less than £500) to outworkers.

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

Larger establishments

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	6,146	502	6,647	111	6,758
Second-hand	869	37	906	4	909
Vehicles					
New	461	41	501	8	509
Second-hand	229	23	252	11	263
Total acquisitions	7,704	602	8,306	133	8,439
Disposals					
Plant and machinery	554	30	584	5	589
Vehicles	166	18	184	8	191
Total disposals	720	48	768	13	781
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,065	144	1,210	9	1,219

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

Larger establishments

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	1,270	221	1,491	13	1,504
Amount paid or credited to firms' own separate transport organisations	123	10	134	-	134
Total	1,393	231	1,624	13	1,638

Part B - Publishers (Non-Printing Firms)

Summary

Larger establishments (a)

TABLE 1

	Great Britain				
	1951	1950	1949	1948	1946
Gross output (production) (b)	£'000 27,416	£'000 23,718	£'000 22,160	£'000 21,371	£'000 16,169
Cost of materials and fuel used (c)	4,357	3,310	3,224	2,796	1,588
Payment for work done on materials given out				8,625	6,275
Authors' royalties, copyright payments, payments to contributors and press agencies, and editorial, artists' and readers' fees, less any payments received from authors	13,466	11,619	11,234	2,364	2,075
Transport payments (d)	228	..	..	..	..
Net output	9,365	8,788	7,702	7,586	6,231
Wages and salaries of persons employed	3,395	3,144	2,867	2,545	1,806
Average number of persons employed (e)	No. 7,185	No. 6,834	No. 6,502	No. 6,111	No. 4,811
Net output per person employed (e)	£ 1,303	£ 1,286	£ 1,185	£ 1,241	£ 1,295
Stocks at end of year	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	7,874	6,487	5,929	4,887	2,185
Materials and fuel	2,059	1,146	1,108	1,290	651
Number of establishments	No. 127	No. 120	No. 121	No. 120	No. ..

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

	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (f)	£'000 25,262	£'000 23,319	£'000 21,473	£'000 19,461	£'000 15,690
Principal products (g)	907			652	
Other output (h)					
Changes in stocks and work in progress (i)	+ 1,247	+ 595	+ 832	+ 1,367	+ 573
Less payment for transport outwards (d)	27,416	23,914	22,305	21,480	16,263
	..	196	145	109	94
Gross output (production)	27,416	23,718	22,160	21,371	16,169
Materials and fuel used by firms in this trade					
Purchases	5,292	3,372	3,184	3,072	1,740
Changes in stocks (i)	- 935	- 62	+ 40	- 276	- 152
Materials and fuel used	4,357	3,310	3,224	2,796	1,588

(a) For small firms' summary see Table 2.

(b) 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.

(c) Amounts paid for delivery services are excluded for 1951 but included for other years.

(d) 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.

(e) Excluding outworkers but including working proprietors. For an estimate of the total numbers of persons employed in this trade see Table 3.

(f) Total value of sales.

(g) For details for 1951 and 1948 see Table 8(i).

(h) For details for 1951 and 1948 see Table 10.

(i) For details for 1951 see Table 21.

Summary

Small firms (a)

TABLE 2

	Great Britain			
	1951	1950	1949 (b)	1948
	£'000	£'000	£'000	£'000
Gross output (sales)	2,867	..	..	2,994
Cost of materials and fuel purchased during the year	514	..	..	376
Payment for work done on materials given out	1,419	..	..	1,686
Net output (c)	934	..	..	932
Average number of persons employed (d)	No.	No.	No.	No.
Males	492	651	638	633
Females	304	408	394	404
Total	796	1,059	1,032	1,037
Net output per person employed	£ 1,173	£ ..	£ ..	£ 899
Number of returns	No. 166	No. 216	No. 230	No. 224

- (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) Owing to the risk of disclosure of information relating to individual firms particulars for small publishers (non-printing firms) in Northern Ireland in 1949 are included with those for the Newspaper and Periodical Printing and Publishing Trade (Volume 10, Trade J).
 (c) The value of net output here is the difference between the value of gross output (sales) and cost of materials and fuel purchased during the year less payment for work done on materials given out.
 (d) Including working proprietors.

Estimated average employment (a)

All firms

TABLE 3

	Great Britain				Number
	1951	1950	1949	1948	
As returned by firms					
Employing on the average more than ten persons (b)	7,185	6,834	6,502	6,111	
Employing on the average ten or fewer persons (c)	796	1,059	1,032	1,037	
	7,981	7,893	7,534	7,148	
Estimated average employment in firms not making satisfactory returns	91	29	61	217	
Estimated average employment in all firms	8,072	7,922	7,595	7,365	

- (a) Including working proprietors.
 (b) See Tables 13(iv) and 14.
 (c) See Table 2 and 23(ii).

Analysis by size, 1951

Larger establishments in Great Britain

TABLE 4

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	54	4,620	1,196	972	63	423	486	1,231
25 - 49	34	4,621	1,504	1,171	87	526	613	1,285
50 - 99	21	5,753	1,962	1,434	119	490	609	1,369
100 - 199	11	4,851	1,973	1,298	83	587	670	1,520
200 - 749	7	7,570	2,729	2,310	160	857	1,017	1,181
Total	127	27,416	9,365	7,185	512	2,882	3,395	1,303

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
East and West Ridings; North Midland; and Eastern	5	419	116	1.2	130	15	38	53	889
London and South Eastern	112	26,049	8,919	95.2	6,708	478	2,712	3,190	1,330
Southern; South Western; and North Western	4	346	145	1.5	185	5	79	83	781
Northern; and Midland	-	-	-	-	-	-	-	-	-
Total England	121	26,813	9,179	98.0	7,023	498	2,828	3,326	1,307
Wales	-	-	-	-	-	-	-	-	-
Scotland	6	602	186	2.0	162	14	54	68	1,146
Great Britain	127	27,416	9,365	100.0	7,185	512	2,882	3,395	1,303

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic 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 Printed books, music and diaries	117	26,318	23,707	9,069	6,738	446	2,783	3,229	1,346
Other published matter (excluding newspapers, reviews, trade journals and similar periodicals)	10	1,098	971	296	447	66	99	165	663
Total	127	27,416		9,365	7,185	512	2,882	3,395	1,303

(a) Administrative, technical and clerical employees.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

Larger establishments in Great Britain (a)

TABLE 8(i)

	1951			1948	
	Quantity	Value	Entries	Quantity	Value
	Th.doz.	£'000	No.	Th.doz.	£'000
Published matter					
Printed books (b)	..	23,233	113	..	18,174
Music	..	413	15	..	329
Diaries (b)	{ 13 ..	{ 56 20	{ 10	{ 7	{ 32
Christmas cards and greeting cards	Th.gross 785	839	15	Th.gross 344	320
Calendars and picture postcards	{ 120 ..	{ 76 89	{ 17	{ 150 ..	{ 116 10
Other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals)(b)	..	123	16	..	180
Royalties and receipts for reproduction rights, etc.		412	80		299
Total		25,262	127		19,461
Sales in other trades		-	-		-
Principal products of this trade sold by establishments in the trade		25,262	127		19,461

(a) For output of small firms see Table 8(ii).

(b) Including net charges for advertisements. The total amounts of advertisement revenue from all classes of published matter, other than newspapers, magazines, reviews, trade journals and similar periodicals, were £459,000 in 1951 and £331,000 in 1948.

(95775/1)

Total sales by small firms in Great Britain (a)

TABLE 8(ii)

	1951		1948
	Value	Entries	Value
	£'000	No.	£'000
Principal products			
Printed books (b)	2,386	154	2,492
All other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals) (b)	183	30	257
Royalties received for reproduction rights etc. or from editions printed and/or published overseas (c)	..	..	14
Total principal products	2,569	..	2,763
Other output			
Newspapers, magazines, reviews, trade journals and similar periodicals (b)	155	33	147
Other work done or goods made and royalties received (c)	143	44	84
Total	2,867	166	2,994

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including advertisement revenue for printed books and other published matter excluding newspapers, magazines, reviews, trade journals and similar periodicals amounting to £58,000 in 1951, and £76,000 in 1948 for printed books only. The advertisement revenue for newspapers, magazines, reviews, trade journals and similar periodicals amounted to £42,000 in both 1951 and 1948.

(c) The amount of royalties received was shown separately in 1948. In 1951 the amount was included with 'Other work done or goods made'.

TABLE 9 - Sales of principal products of the trade by establishments classified to other trades: Larger establishments in Great Britain

For convenience, any sales of principal products of this trade by establishments classified to other trades have been treated as principal products of the printing, bookbinding, etc. section of the trade. Principal products of the publishing (non-printing) section of the trade are unlikely to have been produced in other trades.

Sales in the trade of other than principal products

Larger establishments in Great Britain (a)

TABLE 10

	1951		1948	
	Quantity	Value	Quantity	Value
	Million	£'000	Million	£'000
Newspapers, magazines, reviews, trade journals and similar periodicals published (b)	19.6	628	12.5	493
Manufactures of paper and cardboard	..	109	..	121
Other goods	..	152	..	27
Work done	-	18	-	-
Total		907		652

(a) For output of small firms see Table 8(ii).

(b) Including net charges for advertisements. The total amounts of advertisement revenue from newspapers, magazines, reviews, trade journals and similar periodicals were £299,000 in 1951 and £176,000 in 1948.

TABLE 11 - Production, exports and imports of certain principal products

Owing to differences in classification, no satisfactory comparison can be made between the recorded particulars of production and those of oversea trade.

(95775/1)

Usage of certain specified purchased materials, 1951

Larger establishments in Great Britain

TABLE 12

Materials used	Quantity
	Th.sq.yds.
Woven cotton cloth	356
	Cwts.
Steel wire	22

Employment in September

Larger establishments (a)

TABLE 13

(i) Operatives

	Great Britain				Number
	1951(b)	1950(b)	1949(b)	1948(c)	
Males					
Under 18	84	57	51	58	
All ages	1,170	1,070	1,019	990	
Females					
Under 18	56	49	51	38	
All ages	463	452	431	367	
Total					
Under 18	140	106	102	96	
All ages	1,633	1,522	1,450	1,357	

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

	Great Britain				Number
	1951	1950	1949	1948	
Males					
Under 18	129	123	117	106	
All ages	2,962	2,875	2,677	2,429	
Females					
Under 18	410	369	375	345	
All ages	2,694	2,567	2,489	2,312	
Total					
Under 18	539	492	492	451	
All ages (e)	5,656	5,442	5,166	4,741	

TABLE 13 (contd.)

(iii) Total employees

	Great Britain				Number
	1951	1950	1949	1948	
Males					
Under 18	213	180	168	164	
All ages	4,132	3,945	3,696	3,419	
Females					
Under 18	466	418	426	383	
All ages	3,157	3,019	2,920	2,679	
Total					
Under 18	679	598	594	547	
All ages (e)	7,289	6,964	6,616	6,098	

(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 (e.g., employees engaged in merchanting):-

Canteen workers 38 Males and females
Other workers 196 Males 195 Females

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

(c) Average for the year.

(d) In week ended September 22, 1951, September 30, 1950, September 24, 1949 and September 25, 1948.

(e) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

	Great Britain				Number
	1951	1950	1949	1948	
Males	12	13	14	12	12
Females						2	1	1
Total	12	15	15	13	

Average employment

Larger establishments (a)

TABLE 14

	Great Britain				Number
	1951	1950	1949	1948	
Operatives	1,630	1,497	1,443	1,357	
Administrative, technical and clerical employees	5,543	5,322	5,044	4,741(b)	
Total	7,173	6,819	6,487	6,098	

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

(b) In week ended September 25, 1948.

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

	Great Britain			
	1951	1950	1949	1948
Males	4	3	4	3
Females	97	79	88	45
Total	101	82	92	48

TABLE 15 - Shift working, 1951: Larger establishments in Great Britain

No establishments in the publishing (non-printing) section of the trade recorded shift working in the week ended September 22, 1951.

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

	Great Britain			
	1951	1950	1949	1948
Wages and salaries (a) of				
Operatives	512	452	404	363
Administrative, technical and clerical employees	2,882	2,692	2,463	2,182
Total	3,395	3,144	2,867	2,545
Employers' contributions to all National Insurance Schemes	69	65	60	42

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

Great Britain			
1951	1950	1949	1948
9	10	10	5

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

	Great Britain		
	1951	1949	1948
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery			
New	40	39	27
Second-hand	1	4	2
Vehicles			
New	38	22	20
Second-hand	50	20	14
Total acquisitions	129	85	63
Disposals			
Plant and machinery			
Vehicles	1	1	1
	18	5	7
Total disposals	19	6	8
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	69	25	18

Summary

Larger establishments

TABLE 18

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 26,813	£'000 -	£'000 602	£'000 27,416
Cost of materials and fuel used	4,239	-	118	4,357
Payment for work done on materials given out, authors' royalties, copyright payments, payments to contributors and press agencies, and editorial, artists' and readers' fees, less any payments received from authors	13,175	-	291	13,466
Transport payments	221	-	7	228
Net output	9,179	-	186	9,365
Wages and salaries of persons employed	3,326	-	68	3,395
Average number of persons employed (a)	No. 7,023	No. -	No. 162	No. 7,185
Net output per person employed (a)	£ 1,307	£ -	£ 1,146	£ 1,303
Stocks at end of year	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	7,640	-	234	7,874
Materials and fuel	1,992	-	67	2,059
Number of establishments	No. 121	No. -	No. 6	No. 127

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

	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 20(i))	25,611	-	558	26,169
Changes in stocks and work in progress (see Table 21)	+ 1,202	-	+ 45	+ 1,247
Gross output (production)	26,813	-	602	27,416
Materials and fuel used by firms in this trade				
Purchases	5,143	-	149	5,292
Changes in stocks (see Table 21)	- 904	-	- 31	- 935
Materials and fuel used	4,239	-	118	4,357

(a) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England (b)	Wales (b)	Scotland	Great Britain
Gross output (sales)	£'000 2,737	£'000 ..	£'000 130	£'000 2,867
Cost of materials and fuel purchased during the year	485	..	29	514
Payment for work done on materials given out	1,362	..	57	1,419
Net output (c)	889	..	44	934
Average number of persons employed (d)	No. 749	No. ..	No. 47	No. 796
Net output per person employed (d)	£ 1,187	£ ..	£ 943	£ 1,173
Number of returns	No. 157	No. ..	No. 9	No. 166

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

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

(c) The value of net output here is the difference between the value of gross output (sales) and cost of materials and fuel purchased during the year less payment for work done on materials given out.

(d) Including working proprietors. For details of employment see Table 23(ii).

Sales in the trade
Larger establishments(a)

TABLE 20(i)

	England and Wales		Scotland		Great Britain	
	Quantity	Value £'000	Quantity	Value £'000	Quantity Th.doz.	Value £'000
Principal products						
Published matter						
Printed books (b)	..	22,764	..	469	..	23,233
Music	..	(c)	..	(c)	..	413
Diaries (b)	..	(c)	..	(c)	13	56
					..	20
					Th.gross	
Christmas cards and greeting cards	..	(c)	..	(c)	785	839
Calendars and picture postcards	..	(c)	..	(c)	120	76
					..	89
Other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals) (b)	..	(c)	..	(c)	..	123
Royalties and receipts for reproduction rights, etc.		409		3		412
Total principal products		(c)		(c)		25,262
Other output					Million	
Newspapers, magazines, reviews, trade journals and similar periodicals published (b)	..	(c)	..	(c)	19.6	628
Manufactures of paper and cardboard	..	152	-	-	..	152
Other goods	..	18	..	1	..	18
Total		25,611		558		26,169

(a) For output of small firms see Table 20(ii).

(b) Including net charges for advertisements. The total amounts of advertisement revenue recorded were as follows:-

	England and Wales £'000	Scotland £'000	Great Britain £'000
Newspapers, magazines, reviews, trade journals and similar periodicals	292	6	299
Other classes of published matter	435	23	459

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

Sales in the trade
Small firms (a)

TABLE 20(ii)

	England and Wales	Scotland	Great Britain
	Value £'000	Value £'000	Value £'000
Principal products			
Printed books (b)	2,267	119	2,386
All other published matter (excluding newspapers, magazines, reviews, trade journals and similar periodicals) (b)	(c)	(c)	183
Total principal products	(c)	(c)	2,569
Other output			
Newspapers, magazines, reviews, trade journals and similar periodicals (b)	(c)	(c)	155
Other work done or goods made and royalties received	140	3	143
Total	2,737	130	2,867

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including advertisement revenue amounting, for Great Britain, to £42,000 for newspapers, magazines, reviews, trade journals and similar periodicals and £58,000 for printed books and other published matter. Owing to the risk of disclosure of information relating to individual firms, separate country particulars of advertisement revenue cannot be given.

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

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	Scotland	Great Britain
Products on hand for sale	{ at beginning of year	5,514	157	5,670
	{ at end of year	6,447	196	6,642
Work in progress	{ at beginning of year	924	33	958
	{ at end of year	1,193	38	1,232
Total products on hand for sale and work in progress	{ at beginning of year	6,438	190	6,627
	{ at end of year	7,640	234	7,874
Materials and fuel	{ at beginning of year	1,088	36	1,124
	{ at end of year	1,992	67	2,059

Employment in September
Larger establishments (a)(b)(c)

TABLE 22
(i) Operatives

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	(d)	(d)	84
All ages	1,140	30	1,170
Females			
Under 18	(d)	(d)	56
All ages	440	23	463
Total			
Under 18	134	6	140
All ages	1,580	53	1,633

(ii) Administrative, technical and clerical employees

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	(d)	(d)	129
All ages	2,901	61	2,962
Females			
Under 18	(d)	(d)	410
All ages	2,647	47	2,694
Total			
Under 18	530	9	539
All ages (e)	5,548	108	5,656

(iii) Total employees

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	208	5	213
All ages	4,041	91	4,132
Females			
Under 18	456	10	466
All ages	3,087	70	3,157
Total			
Under 18	664	15	679
All ages (e)	7,128	161	7,289

(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 (e.g., employees engaged in merchandising) are shown in Table 22(iv) below.

(b) For average employment in small firms see Table 23(ii).

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

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

(e) Working proprietors. In addition 12 working proprietors were engaged in this trade in larger establishments in England and Wales.

(iv) Excluded employees

	Number		
	England and Wales	Scotland	Great Britain
Canteen workers			
Males	(d)	(d)	38
Females			
Total	(d)	(d)	38
Other workers			
Males	172	24	196
Females	159	36	195
Total	331	60	391
Total excluded employees	(d)	(d)	429

Average employment
Larger establishments

TABLE 23 (i)

	Number		
	England and Wales	Scotland	Great Britain
Operatives	1,575	55	1,630
Administrative, technical and clerical employees	5,436	107	5,543
Total	7,011	162	7,173

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

	Number		
	England and Wales	Scotland	Great Britain
Males	(a)	(a)	4
Females	97	-	97
Total	(a)	(a)	101

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

Average employment

Small firms (a)

TABLE 23 (ii)

	Number		
	England and Wales	Scotland	Great Britain
Males (b)			
Under 18	(c)	(c)	11
All ages	457	35	492
Females (b)			
Under 18	24	-	24
All ages	292	12	304
Total (b)			
Under 18	(c)	(c)	35
All ages	749	47	796

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.

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

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

Larger establishments

TABLE 24

	£'000		
	England and Wales	Scotland	Great Britain
Wages and salaries (a) of			
Operatives	498	14	512
Administrative, technical and clerical employees	2,828	54	2,882
Total	3,326	68	3,395
Employers' contributions to all National Insurance Schemes	68	2	69

(a) Including bonus and commission payments but excluding payments, amounting to £9,000, to outworkers in England and Wales.

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

Larger establishments

	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery			
New	38	2	40
Second-hand	1	-	1
Vehicles			
New	37	1	38
Second-hand	48	2	50
Total acquisitions	124	5	129
Disposals			
Plant and machinery	1	-	1
Vehicles	18	1	18
Total disposals	18	1	19
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	67	2	69

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

Larger establishments

	England and Wales	Scotland	Great Britain
Amounts paid to other firms and undertakings	217	6	223
Amount paid or credited to firms' own separate transport organisations	4	1	5
Total	221	7	228

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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