



BOARD OF TRADE

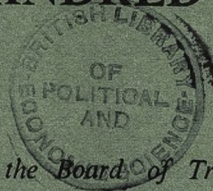
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THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 10

Trade I

MANUFACTURED STATIONERY, PAPER BAG  
AND KINDRED TRADES



*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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MANUFACTURED STATIONERY, PAPER BAG AND KINDRED TRADES

10/I/1

MANUFACTURED STATIONERY, PAPER BAG AND KINDRED TRADES

THIS REPORT on the Manufactured Stationery, Paper Bag and Kindred Trades relates to establishments engaged wholly or mainly in the manufacture of paper bags, stationery of all kinds made from paper or cardboard, index cards, cardboard files and other (unprinted) articles of paper, cardboard or transparent cellulose wrappings, except boxes or cartons.

These trades correspond to minimum list heading 183 in the Standard Industrial Classification.

No production was recorded in Northern Ireland for 1937 or 1935.

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.



PAPER AND PRINTING  
MANUFACTURED STATIONERY, PAPER BAG AND KINDRED TRADES

## Summary

## Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949 (b)	1948	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (c)	108,998	66,031	56,529	..	53,597	19,451	13,862
Cost of materials and fuel used (d)	66,467	35,888	29,921	..	26,895	9,546	6,631
Payment for work done on materials given out	652	459	428	..	435	47	47
Transport payments (e)	1,650	..	..	..	..	..	..
Net output	40,230	29,684	26,180	..	26,267	9,858	7,184
Wages and salaries of persons employed	16,846	14,182	12,915	..	11,475	..	..
Average number of persons employed (f)	No. 50,942	No. 48,378	No. 46,034	No. ..	No. 42,415	No. 44,313	No. 37,021
Net output per person employed (f)	£ 790	£ 614	£ 569	..	£ 619	£ 222	£ 194
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	4,673	2,994	2,719	..	2,304	..	..
Materials and fuel	13,780	6,973	5,038	..	5,772	..	..
Number of establishments	No. 391	No. 399	No. 418	No. ..	No. 384	No. ..	No. 342

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)	97,375	66,604	57,022	..	48,344	16,865	12,407
Other output (i)	10,019						
Changes in stocks and work in progress (j)	+ 1,605	+ 375	+ 267	..	+ 400		
Less payment for transport outwards (e)	108,998	66,979	57,289	..	54,114	19,451	13,862
Gross output (production)	..	948	760	..	517		
Materials and fuel used by firms in this trade	108,998	66,031	56,529	..	53,597	19,451	13,862
Purchases	72,864	37,791	29,042	..	27,627	9,546	6,631
Changes in stocks (j)	- 6,397	- 1,903	+ 879	..	- 732		
Materials and fuel used	66,467	35,888	29,921	..	26,895	9,546	6,631

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

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

(c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.

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

(e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

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

(g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).

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

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

(j) For details for 1951 see Table 21.

(95113)

## Summary: Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	249	208	214	210	237
Average number of persons employed (b)					
Males	687	567	537	525	650
Females	832	706	694	678	762
Total	1,519	1,273	1,231	1,203	1,412

(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 1950 and 1951.

(b) Including working proprietors.

## Estimated average employment (a)

TABLE 3

	United Kingdom			Great Britain		Number
	1951	1950	1949	1949	1948	
As returned by firms						
Employing on the average more than ten persons (b)	50,942	48,378	46,034	(c)	42,415	
Employing on the average ten or fewer persons (d)	1,519(e)	1,273(e)	1,231	1,203	1,412	
Estimated average employment in firms not making satisfactory returns	52,461	49,651	47,265	(c)	43,827	
	193	142	180	180	374	
Estimated average employment in all firms	52,654(e)	49,793(e)	47,445	(c)	44,201	

(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

## Larger establishments in the United Kingdom

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	81	2,324	924	1,464	284	148	432	631
25 - 49	97	6,299	2,238	3,456	690	305	995	648
50 - 99	88	12,168	4,592	6,220	1,218	580	1,798	738
100 - 199	61	16,332	6,131	8,749	1,858	931	2,789	701
200 - 299	32	18,613	6,511	7,831	1,724	780	2,504	831
300 - 399	9	6,102	2,529	3,078	682	369	1,051	822
400 - 499	3	2,210	957	1,364	281	98	379	702
500 - 749	11	19,910	5,719	6,352	1,458	677	2,135	900
750 - 999	5	10,650	4,358	4,321	1,128	601	1,729	1,009
1,000 and over	4	14,390	6,271	8,107	1,669	1,365	3,034	774
Total	391	108,998	40,230	50,942	10,992	5,854	16,846	790

(a) Administrative, technical and clerical employees.

(95113)



## 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 and Northern Ireland									
Northern; and Northern Ireland	12	1,966	598	1.5	830	147	81	228	720
East and West Ridings	24	3,423	1,219	3.0	2,134	388	217	605	571
North Midland	10	1,804	719	1.8	931	200	74	274	772
Eastern	23	13,635	4,838	12.0	6,045	1,193	766	1,959	800
London and South Eastern	172	49,753	16,775	41.7	20,658	4,751	2,602	7,352	812
Southern	10	1,832	693	1.7	977	232	84	316	709
South Western	17	6,275	2,608	6.5	2,388	476	440	917	1,092
Midland	28	3,835	2,065	5.1	3,203	556	509	1,065	645
North Western	62	19,166	8,119	20.2	9,932	2,310	747	3,057	817
Total England and Northern Ireland	358	101,688	37,634	93.5	47,098	10,253	5,520	15,773	799
Wales	3	464	158	0.4	252	55	15	70	625
Scotland	30	6,846	2,438	6.1	3,592	683	320	1,003	679
United Kingdom	391	108,998	40,230	100.0	50,942	10,992	5,854	16,846	790

(a) Administrative, technical and clerical employees.

## Analysis according to specialisation within the trade, 1951

## Larger establishments in the United Kingdom

TABLE 6

	Estab-lish-ments	Gross output	Sales of charac-teristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of Notepaper and pads, envelopes and boxed stationery	40	18,790	12,539	7,395	10,130	2,003	1,156	3,158	730
Loose leaf binders, letter files, index cards and other office systems of paper or cardboard	38	6,272	5,081	3,394	5,406	1,030	910	1,939	628
Paper bags, and sacks (including bags manufactured from transparent cellulose wrappings)	81	36,926	35,679	9,706	8,336	1,848	1,085	2,933	1,164
Tubes of paper or cardboard	21	4,606	4,343	2,394	3,510	893	157	1,050	682
Toilet paper	18	5,620	4,297	1,519	2,031	348	267	615	748
Remainder of the trade	193	36,784		15,822	21,529	4,870	2,279	7,150	735
Total	391	108,998		40,230	50,942	10,992	5,854	16,846	790

(a) Administrative, technical and clerical employees.

(95113)

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

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Notepaper and pads	149.2	1,906	293	116.3	1,374
	..	400	..	..	512
Envelopes	897.3	12,469	246	609.0	5,832
				..	2,022
Boxed stationery (i.e., notepaper and envelopes packed together in cardboard boxes) and compendiums	57.9	764	59	29.6	344
	..	130	..	..	336
Paper bags	2,514.2	24,217	172	1,967.2	11,373
Paper sacks	1,556.7	15,176	8	811.0	3,544
				..	398
Loose leaf binders	25.2	883	290	18.1	678
	..	1,041	..	..	1,084
Letter files	..	1,692	39	..	861
Office systems or parts thereof of paper or cardboard, not elsewhere specified (a)	..	2,640	52	..	1,844
Tubes of paper and cardboard (b)					
For textile machinery	129.0	1,625	10	185.8	1,866
	..	873	..	..	..
Other	292.6	2,164	38	143.3	503
	..	456	..	..	160
Jam pot covers, bottle caps, discs, etc. of paper, cardboard or transparent cellulose wrappings	..	1,463	37	66.7	547
				..	592
Labels, tags, plain or printed	..	2,652(c)	49	..	1,977
Picture and photo mounts of paper and cardboard	..	352	14	..	269
Pattern cards, dress patterns and transfers of paper	..	1,762	161	2.9	18
				..	1,209
Toilet paper (in cut sheets or rolls)	603.0	6,049	37	493.1	3,602
Serviettes, handkerchiefs, facial tissues and towels of paper	67.5	931	32	41.2	537
	..	214	..	..	55
Cakeboards, dish papers, d'oyleys, crimped cases for confectionery and similar fancy paper goods	61.2	1,149	30	30.0	599
	..	838	..	..	472
Bonbons, crackers and paper novelties	..	1,595	45	..	1,018
Gummed, etc. tape, printed and unprinted	192.0	2,381	7	171.2	1,341
Vulcanised fibre, sheets, strips, etc.	61.3	918	6	24.5	254
				..	241
Articles manufactured from transparent cellulose wrappings					
Bags and wrappers	79.5	2,822	18	25.9	811(d)
				..	162
Other	8.2	340	9	20.6	592
Cellulose wadding and articles manufactured therefrom (e)	147.8	1,430	12	70.4	525
Cards for card index equipment	..	799	642	..	642
Counter check books, continuous invoice forms and the like	143.3	3,410	63	45.5	521
	..	1,340	..	..	2,116
Purchased paper, creped, corrugated, crinkled, etc.	772.8	4,676	50	460.1	1,751
	10.9	117	8	109.2	819(f)
	..	1,114	..	..	..

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TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Drinking straws (paper) (f)	Mill. 80.0 ..	£'000 78 103	No. 5	..	£'000 102
Paper yarns, cords, twine, etc.	Th.cwts. 65.5 ..	707 606	9	..	5,019
Paper rolls or coils for teleprinters and tabulating, calculating, listing and adding machines (f)	..	831	9	..	..
Greaseproof paper and food wrappers (purchased, cut and packeted) (f)	..	696	18	..	..
Other manufactures of paper or cardboard, not specified above	..	8,477	206	..	..
Unclassified manufactures of paper or cardboard	..	1,233	181	..	1,078
Work done for the trade or on commission (g)	..	450	66	..	582
Total		115,968	..		60,180
Sales in other trades (see Table 9)		18,593	..		11,836
Principal products of this trade sold by establishments in the trade		97,375	355		48,344

(a) For tabulating machine cards, see the Printing and Publishing, Bookbinding, Engraving, etc. Trades (Volume 10, Trade K).

(b) The figures for 1951 include some bobbins.

(c) Excluding output of establishments classified to the Printing and Publishing, Bookbinding, Engraving, etc. Trades (Volume 10, Trade K).

(d) Excluding wrappers.

(e) For sanitary towels, see the Cotton Weaving Trade (Volume 6, Trade B).

(f) So far as recorded separately.

(g) Amount charged.

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

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Notepaper and pads	13.0 ..	201 378	255	21.3 ..	284 354
Envelopes	67.3	967	190	37.3 ..	364 724
Boxed stationery (i.e., notepaper and envelopes packed together in cardboard boxes) and compendiums	1.6 ..	18 82	38	1.0 ..	11 74
Paper bags and paper sacks	372.6	2,968	84	429.5	1,949(a)
Loose leaf binders	11.0 ..	269 329	266	11.5 ..	200 277
Letter files	..	99	5	..	97
Office systems or parts thereof of paper or cardboard, not elsewhere specified	..	230	17	..	85
Tubes of paper and cardboard, other than for textile machinery	2.4 ..	19 101	11	6.5 ..	22 27
Jam pot covers, bottle caps, discs, etc. of paper, cardboard or transparent cellulose wrappings	..	320	20	..	367
Labels, tags, plain or printed	..	1,044(b)	18	..	1,073
Picture and photo mounts of paper and cardboard	..	20	..	..	6
Pattern cards, dress patterns and transfers of paper	..	796	147	..	288

(95113)

TABLE 9 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th.cwts.	£'000	No.	Th.cwts.	£'000
Serviettes, handkerchiefs, facial tissues and towels of paper; cakeboards, dishpapers, d'oyleys, crimped cases for confectionery and similar fancy goods	1.7 ..	32 151	7	10.2 ..	47(c) 77
Bonbons, crackers and paper novelties	..	582	15	..	275
Vulcanised fibre, sheets, strips, etc.; purchased paper, gummed; and gummed, etc. tape, printed and unprinted	35.9 ..	553 58	8	18.9	171
Articles manufactured from transparent cellulose wrappings	13.8	565	7	..	..
Cellulose wadding and articles manufactured therefrom	121.2	1,198	8	72.3	692
Cards for card index equipment	..	563	624	..	411
Counter check books, continuous invoice forms and the like	11.0 ..	216 189	35	7.9 ..	104 377
Purchased paper, creped, corrugated, crinkled, etc.	215.7	1,524	23	172.7	586
Other manufactures of paper or cardboard, not specified above	..	3,867	118	..	1,785
Unclassified manufactures of paper or cardboard	..	1,233	179	..	1,078
Work done for the trade or on commission (d)	..	23	4	..	31
Total		18,593	..		11,836

(a) Paper bags.

(b) Excluding output of establishments classified to the Printing and Publishing, Bookbinding, Engraving, etc. Trades (Volume 10, Trade K).

(c) Including blotters.

(d) Amount charged.

Sales in the trade of other than principal products: Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Th.cwts.	£'000	Th.cwts.	£'000
Manuscript books (including ruled exercise books)	118.7	1,524	73.9 ..	771 353
Tickets, showcards and posters, mounted or not	..	422	..	307
	Th.gross		Th.gross	
Christmas cards and greeting cards	257.1	196	432.4 ..	183(a) 87
Calendars	12.7 ..	60 6	33.9 ..	35 17
	Th.cwts.		Th.cwts.	
Account books, etc.	72.4 ..	467 518	14.3 ..	177 208
Boxes and cartons of paper and cardboard	135.3 ..	1,204 132	16.3 ..	133 205
Fibre-board packing cases and composite containers (board and tin etc.)	29.2	197	19.8 ..	123 88
Paper and board	102.9	792	202.1 ..	579 181
			Th.doz.	
Diaries, albums and the like	..	142	40.4 ..	92 26
			Th.cwts.	
Oiled, waxed and other waterproof wrappings	55.2	492	7.4 ..	81 54
Other goods	..	1,686	..	840
Waste paper and board sold	..	768	..	249

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TABLE 10 (contd.)

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value £'000	Quantity	Value £'000
Work done (b)				
Work done for the Printing and Publishing, Bookbinding, Engraving, etc. Trades				
Printing				
Main materials supplied by customers		27		36
Main materials supplied by the firm doing the work		934		337
Other work (ruling, stamping, blocking, binding, etc.)				
Main materials supplied by customers		32		29
Main materials supplied by the firm doing the work		184		46
Other work done		236		134
Total		10,019		5,371

(a) Includes picture postcards.  
(b) Amount charged.

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

TABLE 11

		Production (b)(c)	Exports (d)	Retained imports (e)
		Th.cwts.	Th.cwts.	Th.cwts.
Notepaper and pads	1951	180.5(f)	39.5(g)	0.4
	1948	160.0(f)	22.7	0.1
	1937	210.0(h)	20.5	12.1
Envelopes		£'000	£'000	£'000
	1951	12,469	773	17
	1948	7,854	631	18
1937	3,500(h)	142	2	
Paper bags and sacks		Th.cwts.	Th.cwts.	Th.cwts.
	1951	4,070.9	37.5	115.8
	1948	2,869.3(f)	34.3	34.3
1937	3,500.0(h)	44.7	5.3	
Toilet paper	1951	603.0	68.1	12.3
	1948	493.1	25.1	0.2
Vulcanised fibre, sheets, strips, etc.		£'000	£'000	£'000
	1951	918	78	558
1948	495	56	414	
Articles manufactured from transparent cellulose wrappings		Th.cwts.	Th.cwts.	..
	1951	87.7	24.4	..
1948	51.7(f)	4.4	..	

(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) Partly estimated.

(g) Includes compendiums and boxed stationery.

(h) Approximate production for sale.

TABLE 12 - Usage of certain specified purchased materials, 1951

Larger establishments in the United Kingdom

The total quantity of purchased steel wire used in 1951 was recorded as 9,700 cwts.

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)
(i) Operatives							
Males							
Under 18	1,269	1,308	1,341	..	1,095	2,209	1,779
All ages	15,479	14,324	13,679	..	12,695	12,948	10,352
Females							
Under 18	4,133	3,989	4,338	..	3,979	9,736	8,112
All ages	25,354	24,725	23,605	..	21,399	24,340	21,072
Total							
Under 18	5,402	5,297	5,679	..	5,074	11,945	9,891
All ages	40,833	39,049	37,284	..	34,094	37,288	31,424

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

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
(ii) Administrative, technical and clerical employees (e)							
Males							
Under 18	216	296	212	..	178	410	250
All ages	5,781	5,529	5,028	..	4,522	3,955	3,244
Females							
Under 18	917	916	876	..	790	886	477
All ages	4,958	4,646	4,327	..	3,762	3,070	2,353
Total							
Under 18	1,133	1,212	1,088	..	968	1,296	727
All ages	10,739(f)	10,175(f)	9,355(f)	..	8,284(f)	7,025	5,597

## (iii) Total employees

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
(iii) Total employees							
Males							
Under 18	1,485	1,604	1,553	..	1,273	2,619	2,029
All ages	21,260	19,853	18,707	..	17,217	16,903	13,596
Females							
Under 18	5,050	4,905	5,214	..	4,769	10,622	8,589
All ages	30,312	29,371	27,932	..	25,161	27,410	23,425
Total							
Under 18	6,535	6,509	6,767	..	6,042	13,241	10,618
All ages	51,572(f)	49,224(f)	46,639(f)	..	42,378(f)	44,313	37,021

(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 merchandising and in Northern Ireland canteen or welfare workers):-

Canteen workers 20 Males 519 Females  
Other workers 348 Males 152 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

	United Kingdom			Great Britain	
	1951	1950	1949	1949(c)	1948
(iv) Working proprietors					
Males	29	30	35	..	37
Females		-	3	..	-
Total	29	30	38	..	37



Average employment  
Larger establishments (a)

	Number						
	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935
Operatives	40,363	38,259	36,782	..	34,094	37,288	31,424
Administrative, technical and clerical employees	10,550	10,089	9,214	..	8,284(c)	7,025(c)	5,597(c)
Total	50,913	48,348	45,996	..	42,378	44,313	37,021

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

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

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

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

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
Males	19	15	13	13	9	12	12
Females	1,518	1,877	1,276	1,276	1,145	629	663
Total	1,537	1,892	1,289	1,289	1,154	641	675

Shift working, 1951 (a)

Larger establishments in Great Britain

	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	5,185	41,922	8
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	5,483	47,025	10
Other shift systems	300	2,400	1
Total	10,968	91,347	(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	..	19	..	9,357	1,993
Percentage of total in trade	100.0	5.0(c)	100.0	23.0(c)	5.0(c)
Percentage of total on returns showing shift-work				100.0	21.3

(c) Rounded to avoid disclosure.

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

Larger establishments

	£'000				
	United Kingdom			Great Britain	
	1951	1950	1949	1949(a)	1948
Wages and salaries (b) of					
Operatives	10,992	9,279	8,386	..	7,551
Administrative, technical and clerical employees	5,854	4,903	4,529	..	3,924
Total	16,846	14,182	12,915	..	11,474
Employers' contributions to all National Insurance Schemes	454	423	407	..	312

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

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

£'000				
United Kingdom			Great Britain	
1951	1950	1949	1949	1948
117	123	86	86	75

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

Larger establishments

	£'000			
	United Kingdom		Great Britain	
	1951	1949	1949(a)	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	2,071	1,703	..	1,421
Second-hand	63	84	..	66
Vehicles				
New	204	130	..	101
Second-hand	95	51	..	56
Total acquisitions	2,433	1,968	..	1,643
Disposals				
Plant and machinery				
Vehicles	82	143	..	131
	75	45	..	31
Total disposals	157	189	..	162
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	628	426	..	223

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



PAPER AND PRINTING COUNTRY TABLES  
MANUFACTURED STATIONERY, PAPER BAG AND KINDRED TRADES

1951  
Summary

Larger establishments

TABLE 18

	England (a)	Wales	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	101,688	464	6,846	..	..	108,998
Cost of materials and fuel used	} 62,547	} 302	} 4,188	..	..	66,467
Payment for work done on materials given out				..	..	652
Transport payments				..	..	1,650
Net output	37,634	158	2,438	..	..	40,230
Wages and salaries of persons employed	15,773	70	1,003	..	..	16,846
	No.	No.	No.	No.	No.	No.
Average number of persons employed (b)	47,098	252	3,592	..	..	50,942
	£	£	£	£	£	£
Net output per person employed (b)	799	625	679	..	..	790
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	4,276	41	357	..	..	4,673
Materials and fuel	12,827	65	889	..	..	13,780
	No.	No.	No.	No.	No.	No.
Number of establishments	358	3	30	..	..	391

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)	100,191	449	6,754	..	..	107,394
Changes in stocks and work in progress (see Table 21)	+ 1,497	+ 15	+ 92	..	..	+ 1,605
Gross output (production)	101,688	464	6,846	..	..	108,998
Materials and fuel used by firms in this trade						
Purchases	68,592(c)	329(c)	4,512	..	..	72,864
Changes in stocks (see Table 21)	- 6,045	- 27	- 325	..	..	- 6,397
Materials and fuel used	62,547(c)	302(c)	4,188	..	..	66,467

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland, where net output was about 0.1 per cent. of that of the United Kingdom, cannot be given separately and have been included with those for England.

(b) Excluding outworkers but including working proprietors.

(c) Including payment for work done on materials given out.

Summary: Small firms in Great Britain (a)

TABLE 19

	England (b)	Wales (b)	Scotland	Great Britain
Number of returns	223	..	26	249
Average number of persons employed (c)				
Males	618	..	69	687
Females	725	..	107	832
Total	1,343	..	176	1,519

(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, separate particulars for Wales cannot be given and have been included with those for England.

(c) Including working proprietors.



## Sales in the trade: Larger establishments

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Th.cwts.	£'000	Th.cwts.	£'000	Th.cwts.	£'000		£'000	Th.cwts.	£'000
Principal products										
Notepaper and pads	122.1	1,556	14.1	149	136.2	1,705	-	-	136.2	1,705
	..	22			..	22			..	22
Envelopes	748.4	10,350	81.5	1,152	830.0	11,501	-	-	830.0	11,501
Boxed stationery (i.e., notepaper and envelopes packed together in cardboard boxes) and compendiums	53.7	702	2.5	45	56.2	747	-	-	56.2	747
	..	37	..	11	..	48			..	48
Paper bags and paper sacks	3,450.5	34,080 <sup>(a)</sup>	247.8	2,345	..	..	..	<sup>(a)</sup>	3,698.3	36,425
Loose leaf binders	..	(b)	..	(b)	14.1	614	-	-	14.1	614
					..	712			..	712
Letter files	..	(b)	..	(b)	..	1,592	-	-	..	1,592
Office systems or parts thereof of paper or cardboard, not elsewhere specified	..	(b)	..	(b)	..	2,410	-	-	..	2,410
Tubes of paper and cardboard										
For textile machinery	129.0	1,625	-	-	129.0	1,625	-	-	129.0	1,625
	..	873			..	873			..	873
Other	..	(b)	..	(b)	290.2	2,144	-	-	290.2	2,144
					..	354			..	354
Jam-pot covers, bottle caps, discs, etc. of paper, cardboard or transparent cellulose wrappings	..	(b)	..	(b)	..	..	..	(b)	..	1,144
Labels, tags, plain or printed	..	1,405	..	202	..	1,607	-	-	..	1,607
Picture and photo mounts of paper and cardboard	..	332	-	-	..	332	-	-	..	332
Pattern cards, dress patterns and transfers of paper	..	(b)	..	(b)	..	966	-	-	..	966
Serviettes, handkerchiefs, facial tissues and towels of paper; cakeboards, dish papers, d'oyleys, crimped cases for confectionery and similar fancy paper goods	116.6	1,854	10.5	194	127.0	2,049	-	-	127.0	2,049
	..	901			..	901			..	901
Bonbons, crackers and paper novelties	..	1,009	..	4	..	1,013	-	-	..	1,013
Vulcanised fibre, sheets, strips, etc.; purchased paper, gummed; and gummed, etc. tape, printed and unprinted	..	(b)	..	(b)	228.3	2,864	-	-	228.3	2,864
					..	1,057			..	1,057
Articles manufactured from transparent cellulose wrappings	..	(b)	..	(b)	73.9	2,597	-	-	73.9	2,597
Cellulose wadding and articles manufactured therefrom	26.5	233	-	-	26.5	233	-	-	26.5	233
Cards for card index equipment	..	236	..	-	..	237	-	-	..	237
Counter check books, continuous invoice forms and the like	132.3	3,194	-	-	132.3	3,194	-	-	132.3	3,194
	..	1,151			..	1,151			..	1,151
Purchased paper, créped, corrugated, crinkled, etc.	..	(b)	..	(b)	557.2	3,151	-	-	557.2	3,151



TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)		£'000		£'000	Mill.	£'000		£'000	Mill.	£'000
Drinking straws (paper)	..	(b)	..	(b)	80.0 ..	78 103	-	-	80.0 ..	78 103
	Th.cwts.		Th.cwts.		Th.cwts.				Th.cwts.	
Other manufactures of paper or cardboard, not specified above	..	12,630	..	867	..	13,497	-	-	..	13,497
Work done for the trade or on commission (c)		388		39		427		-		427
Total principal products		91,346 (a)		6,029		..		(a)		97,375
Other output										
Manuscript books (including ruled exercise books)	105.0	1,343	13.7	181	118.7	1,524	-	-	118.7	1,524
Tickets, showcards and posters, mounted or not	..	(b)	..	(b)	..	422	-	-	..	422
Christmas cards and greeting cards	..	(b)	..	(b)	Th.gross 257.1	196	-	-	Th.gross 257.1	196
Calendars	..	(b)	..	(b)	12.7 ..	60 6	-	-	12.7 ..	60 6
					Th.cwts.				Th.cwts.	
Account books, etc.	71.4 ..	439 462	0.9 ..	28 56	72.4 ..	467 518	-	-	72.4 ..	467 518
Boxes and cartons of paper and cardboard	119.6 ..	1,078 106	15.8 ..	126 26	135.3 ..	1,204 132	-	-	135.3 ..	1,204 132
Fibre-board packing cases and composite containers (board and tin, etc.)	29.2	197	-	-	29.2	197	-	-	29.2	197
Paper and board	102.9	792	-	-	102.9	792	-	-	102.9	792
Diaries, albums and the like	..	142	-	-	..	142	-	-	..	142
Oiled, waxed and other waterproof wrappings	..	(b)	..	(b)	55.2	492	-	-	55.2	492
Other goods	..	1,684	..	2	..	1,686	-	-	..	1,686
Waste paper and board sold	..	694	..	73	..	767	-	-	..	768
Work done (c)										
Work done for the Printing and Publishing, Bookbinding, Engraving, etc. Trades										
Printing										
Main materials supplied by customers		27		-		27		-		27
Main materials supplied by the firm doing the work		(b)		(b)		934		-		934
Other work (ruling, stamping, blocking, binding, etc.)										
Main materials supplied by customers		(b)		(b)		32		-		32
Main materials supplied by the firm doing the work		(b)		(b)		184		-		184
Other work done		236		-		236		-		236
Total		100,639 (a)		6,754		..		(a)		107,394

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

(c) Amount charged.



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	1,788(a)	173	..	(a)	1,961
	{ at end of year	2,838(a)	238	..	(a)	3,076
Work in progress	{ at beginning of year	1,016	92	1,108	-	1,108
	{ at end of year	1,478	119	1,597	-	1,597
Total products on hand for sale and work in progress	{ at beginning of year	2,804(a)	265	..	(a)	3,069
	{ at end of year	4,316(a)	357	..	(a)	4,673
Materials and fuel	{ at beginning of year	6,819	564	7,383	-	7,383
	{ at end of year	12,891	889	13,780	-	13,780

(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

TABLE 22

## Larger establishments(a)(b)

(i) Operatives						Number
		England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom
Males						
	Under 18	1,208	61	..	..	1,269
	All ages	14,674	805	..	..	15,479
Females						
	Under 18	3,598	535	..	..	4,133
	All ages	23,132	2,222	..	..	25,354
Total						
	Under 18	4,806	596	..	..	5,402
	All ages	37,806	3,027	..	..	40,833
(ii) Administrative, technical and clerical employees						Number
		England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom
Males						
	Under 18	207	9	..	..	216
	All ages	5,482	299	..	..	5,781
Females						
	Under 18	869	48	917	-	917
	All ages	4,665	293	..	..	4,958
Total						
	Under 18	1,076	57	..	..	1,133
	All ages (d)	10,147	592	..	..	10,739

(continued overleaf)



TABLE 22 (contd.)

	(iii) Total employees					Number
	England and Wales (c)	Scotland	Great Britain	Northern Ireland (c)	United Kingdom	
Males						
Under 18	1,415	70	..	..		1,485
All ages	20,156	1,104	..	..		21,260
Females						
Under 18	4,467	583	..	..		5,050
All ages	27,797	2,515	..	..		30,312
Total						
Under 18	5,882	653	..	..		6,535
All ages (d)	47,953	3,619	..	..		51,572

(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 or welfare workers) are shown in Table 22(iv) below.

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

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

(d) Working proprietors. In addition 29 working proprietors were engaged in this trade in larger establishments.

	(iv) Excluded employees					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	
Canteen workers						
Males	20	-	20	-		20
Females	498	21	519	-		519
Total	518	21	539	-		539
Other workers						
Males	303	45	348	-		348
Females	104	48	152	-		152
Total	407	93	500	-		500
Total excluded employees	925	114	1,039	-		1,039

Average employment  
Larger establishments (a)

	TABLE 23					Number
	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom	
Operatives	37,365	2,998	..	..		40,363
Administrative, technical and clerical employees	9,958	592	..	..		10,550
Total	47,323	3,590	..	..		50,913

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

	TABLE 23					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	
Males	19	-	19	-		19
Females	(c)	(c)	1,518	-		1,518
Total	(c)	(c)	1,537	-		1,537

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

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

(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 (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	10,308	683	..	..	10,992
Administrative, technical and clerical employees	5,534	320	..	..	5,854
Total	15,843	1,003	..	..	16,846
Employers' contributions to all National Insurance Schemes	424	31	..	..	454

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

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

£'000				
England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
116	1	117	-	117

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

Larger establishments

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	1,956(a)	115	..	(a)	2,071
Second-hand	60	2	63	-	63
Vehicles					
New	197(a)	7	..	(a)	204
Second-hand	92	3	95	-	95
Total acquisitions	2,305(a)	127	..	(a)	2,433
Disposals					
Plant and machinery	70(a)	12	..	(a)	82
Vehicles	71	5	75	-	75
Total disposals	141(a)	16	..	(a)	157
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	625	3	628	-	628

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



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

## Larger establishments

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	(a)	(a)	..	(a)	1,546
Amount paid or credited to firms' own separate transport organisations	(a)	(a)	104	-	104
Total	1,511(b)	138	..	(b)	1,650

(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.

## 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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