

### THE MANUFACTURED STATIONERY TRADE

*Note.*—For information regarding the scope of the Census, instructions given to firms for making returns, and definitions of the terms used in this report, reference should be made to the Introductory Notes on pages v to xviii.

#### Introductory

This trade comprises firms that were engaged wholly or mainly in the manufacture of notepaper, envelopes, paper bags and other articles of paper and cardboard (except cardboard boxes). The following table shows the main results of the Censuses of 1930 and 1924 in respect of firms in Great Britain that employed an average of more than ten persons. Those for 1930 cover a number of manufacturers of paper bags, tubes and miscellaneous paper articles that were included in other trades (principally the Paper Trade) at the 1924 Census. As the firms concerned employed in 1930 an average of 2,461 employees, or between 6 and 7 per cent. of the total given for that year, the difference in classification considerably affects the comparability of the results.

To improve comparisons, the returns made by all manufacturers of playing cards for 1924 have been included in the aggregates for the Printing, Bookbinding, etc., Trades, and the totals now given for all firms for that year accordingly fall short of those previously published in the Final Report on the 1924 Census.

Particulars	Unit	1930	1924
Value of goods made and work done (Gross output) ... ..	£'000	14,041	9,321
Cost of materials used ... ..	"	6,687	4,414
Paid for work given out to other firms ... ..	"	123	85
Net output ... ..	"	7,231	4,822
Average number of persons employed (excluding outworkers)... ..	No.	37,839	27,293
Net output per person employed (excluding outworkers)... ..	£	191	177
Power available :—			
Prime movers ... ..	H.P.	6,800	4,209
Electric motors driven by purchased electricity	"	12,517	5,602
Number of returns ... ..	No.	377	309
Number of establishments ... ..	"	422	*

\* Not available.

**Deficiencies in 1930 aggregates.**—The aggregate number of persons employed in 1930 by firms that stated that they employed not more than ten persons on the average was 2,465, the corre-



sponding figure for 1924 being 1,216\*. The value of the gross output of the small firms in 1924 was £306,000\*, and particulars of the items included in this figure are given below :—

	£'000.
Notepaper and pads† ... ..	3
Envelopes† ... ..	16
Paper bags ... ..	40
Letter files, loose-leaf systems, etc. ... ..	15
Pattern cards ... ..	19
Tickets, showcards and posters ... ..	94
Patterns and transfers ... ..	17
Manuscript books ... ..	15
Other manufactures of paper and cardboard ... ..	37
Other goods made ... ..	9
Job and general printing ... ..	20
Work done for the trade ... ..	21
<b>TOTAL ... ..</b>	<b>306</b>

† Excluding boxed stationery.

In addition, 49 firms to which schedules were sent at the 1930 Census and 80 at that of 1924 furnished no information; these firms either had small businesses or had ceased productive operations before the end of the censal year.

**Size of firms.**—In the following table the main particulars recorded at the Census of 1930 are grouped according to the average numbers of persons shown in the returns :—

Size of firm (average numbers employed)	Number of returns	Gross output	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
11-24 ...	111	543	311	1,907	163
25-49 ...	92	1,076	565	3,146	180
50-99 ...	74	1,920	923	5,206	177
100-199 ...	63	3,348	1,685	9,053	186
200-299 ...	17	1,633	865	4,218	205
300-399 ...	9	1,245	532	3,156	169
400-749 ...	5	852	537	2,759	194
750-999 ...	3	785	396	2,385	166
1,000 and over ...	3	2,639	1,417	6,009	236
<b>TOTAL ...</b>	<b>377</b>	<b>14,041</b>	<b>7,231</b>	<b>37,839</b>	<b>191</b>

\* These figures are inclusive of particulars regarding the few firms in Northern Ireland, for which separate information is not available for publication.

**Regional distribution.**—In the following table the results recorded at the Censuses of 1930 and 1924 are grouped according to the principal areas\* of Great Britain in which firms in this trade are situated :—

Area	Number of returns	Gross output	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
1 ... { 1930	193	7,145	3,738	19,478	192
1924	134	4,547	2,357	13,309	177
2 ... { 1930	57	1,542	779	4,804	162
1924	66	1,124	564	3,626	156
3 ... { 1930	21	387	218	1,314	166
1924	21	372	183	1,216	150
4 and 7 1930	5	31	18	144	125
4 and 8 1924	4	20	11	87	126
5 ... { 1930	30	728	455	2,056	221
1924	16	446	294	1,101	267
6 ... { 1930	42	3,232	1,545	7,016	220
1924	33	2,030	1,015	5,237	194
9 ... { 1930	12	245	99	720	138
1924	17	236	125	908	138
10 ... { 1930	17	731	379	2,307	164
1924	18	546	273	1,809	151
<b>TOTAL { 1930</b>	<b>377</b>	<b>14,041</b>	<b>7,231</b>	<b>37,839</b>	<b>191</b>
<b>1924</b>	<b>309</b>	<b>9,321</b>	<b>4,822</b>	<b>27,293</b>	<b>177</b>

**Northern Ireland.**—Owing to the possible disclosure of information relating to individual firms, particulars of the small production of manufactured stationery in Northern Ireland in 1930 and 1924 have been included in the results for the Printing, Bookbinding, etc., Trades (see page 469).

### Production

**Principal products.**—The following table shows the value and, where available, the quantity of manufactured stationery made in 1930 and 1924 :—

\* For particulars see page xviii.



Kind of goods	1930						1924	
	Returned on schedules for						Total	
	The Manufactured Stationery Trade			All trades				
	Quantity	Value	Ent-ries	Quantity	Value	Ent-ries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	No.	Th. cwts.	£'000
Notepaper and pads	161·8	455	24	186·4	559	31	113·3	344
	*	113	6	*	125	16	*	131
Envelopes ...	648·9	2,076	40	677·1	2,159	41	452·9	1,548
	*	231	14	*	403	32	*	543
Boxed stationery (i.e., notepaper and envelopes packed together in cardboard boxes) and compendiums ...	155·0	495	24	164·9	527	31	†	†
Paper bags ...	778·0	1,493	62	1,898·4	3,895	227	1,688·4	3,160
	Th. doz.			Th. doz.			Th. doz.	
Picture post-cards§	796·2	21	3	796·2	21	3	4,047·9	119
	*	80	3	*	81	4	*	85
Luggage labels ...	...	321	14	...	321	14	...	229
Christmas cards, greeting cards, playing cards, calendars and other similar goods...	...	1,152	63	...	1,613	85	...	1,185
Pattern cards ...	...	85	14	...	373	100	...	493
Paper patterns and transfers ...	...	287	18	...	292	20	...	127
Bonbons, crackers and paper novelties ...	...	357	18	...	523	28	...	528
Letter files, loose leaf systems, index cards and other office systems ...	...	1,026	32	...	1,160	53	...	696
Tickets, showcards and posters, mounted or not ...	...	496	57	...	802	81	...	344
Picture and photo mounts of paper and cardboard ...	...	79	8	...	110	12	...	274
Paper tubes and bobbins†	...	312	12	...	366	18	...	459
Cases for cakes and confectionery, cake boards, bottle caps, milk discs, jam pot covers, etc.†	...	201	11	...	318	30	...	...
Dish papers, d'oyleys, serviettes and similar fancy paper goods†	...	325	12	...	329	14	...	...
Counter check books, continuous invoice forms, etc.†...	...	375	5	...	386	9	...	2,418
Plain post cards, letter cards, printers' cards, etc., not elsewhere specified†	...	207	8	...	208	9	...	...
Other and unclassified manufactures of paper and cardboard	...	987	...	...	1,412	...	...	...

Kind of goods	1930						1924	
	Returned on schedules for						Total	
	The Manufactured Stationery Trade			All trades				
	Quantity	Value	Ent-ries	Quantity	Value	Ent-ries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000	No.	Th. cwts.	£'000
Purchased paper, corrugated, creped, crinkled, etc.†	...	317	9	...	434	28	...	327
Purchased paper, enamelled, stained, marbled, waxed, etc.	...	527	8	...	569	13	...	205
Rubber stamps and accessories ...	...	93	13	...	132	53	...	128†
Other stationers' goods, not of paper or cardboard (including some unclassified goods) ...	...	129	...	...	140	...	...	178
<b>TOTAL—PRINCIPAL PRODUCTS</b>	...	12,240	...	...	17,258	...	...	13,521

\* Quantity not stated.

† Included in "Other and unclassified manufactures of paper and cardboard."

§ The figures shown for picture post cards for both years are defective owing to the fact that certain producers of picture post cards returned their output on the schedule for the Printing, Bookbinding, etc., Trade against such general headings as "Photographic printing and process engraving and printing."

‡ So far as recorded separately.

**Prices.**—The only items in respect of which representative particulars of quantity were obtained for both years were notepaper, envelopes, paper bags and picture post cards. The average selling values of these goods, as calculated from the Census returns, are shown in the following table. It should be borne in mind that these comparisons do not take account of any changes that may have occurred since the earlier year in the quality or type of the goods specified under these descriptions.

Kind of goods	Average value		1930 as a percentage of 1924
	1930	1924	
Notepaper and pads	£ per cwt. 3·00	£ per cwt. 3·33	Per cent. 90·1
Envelopes	3·19	3·42	93·3
Paper bags	2·05	1·87	109·6
Picture post cards	d. per doz. 6·42	d. per doz. 7·04	91·2



**Volume of production in 1930 and 1924.**—Of the total of £17,258,000 shown in the table on pages 494 and 495 as the value of the output of manufactured stationery of all kinds in 1930, comparative figures of average values are available in respect of goods valued at £7,243,000, and for these goods the output in 1924 (£5,930,000) would amount to about £6,028,000 if expressed in the equivalent of 1930 prices. As regards the remaining products, the recorded value of which was £10,015,000 in 1930 and £7,591,000 in 1924, it appears probable from such particulars of production costs as are available that the change in average values between the two years was not substantial. The estimated total value for 1924, in comparison with that of 1930, thus amounts to some £13,500,000, the recorded value for 1930 being in excess of this amount by about 28 per cent.

**Production, exports and imports.**—The following table shows, in relation to production, the quantities of *paper bags* exported in 1930 and 1924, together with the quantities imported and retained. The production figures for 1924 in this table and in the table below include the output of the small firms and of firms in Northern Ireland.

Paper bags	1930	1924
	Th. cwt.	Th. cwt.
Production ... ..	1,898·4	1,730·0
Exports ... ..	42·7	59·1
Retained imports ... ..	13·8	9·2
Available for use in the United Kingdom ... ..	1,869·5	1,680·1

Particulars relating to the only other articles of stationery which were specifically enumerated in the trade returns are shown below. In view of the incompleteness of the records of quantities manufactured, the production figures given in these cases represent the total values.

Kind of goods	Production	Exports		Retained imports	
	Value (at factory)	Quantity	Value (f.o.b.)	Quantity	Value (c.i.f.)
	£'000	Th. cwt.	£'000	Th. cwt.	£'000
Notepaper and pads ... ..	684	23·2	109	3·0	9
... ..	486	30·7	152	4·2	11
Envelopes ... ..	2,562	52·3	234	6·3	18
... ..	2,110	43·7	188	12·3	33
		Th. doz.		Th. doz.	
Picture postcards { 1930	102	455·8	11	7,318·6	127
... .. { 1924	205	495·9	14	6,175·5	93

**Printing and other work done.**—The total amount recorded as received for printing and other work done in 1930 was £732,000, the corresponding total for 1924 being £507,000. The principal kinds of work included in these totals were as follows:—

Kind of work done	1930	1924
	£'000	£'000
Job and general printing:—		
Letterpress ... ..	357	200
Lithographic ... ..	136	44
Other and unclassified ... ..	78	191
Work done for the trade:—		
Gold blocking, stamping, lettering and gilding ...	17	28
Relief and die stamping ... ..	41	22
Binding, ruling, stitching, etc. ... ..	20	} 22
Other work ... ..	83	
TOTAL ... ..	732	507

**Other products.**—In addition to the output shown in the table of principal products on pages 494 and 495, the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Manufactured Stationery Trade. These goods are dealt with in the reports on those trades in which the principal output was recorded.

Kind of goods	1930	1924
	Value	Value
	£'000	£'000
Manuscript books (account books, etc.)... ..	567	} 958
Albums and diaries ... ..	274	
Ink, gum and sealing wax ... ..	26	3
Boxes and cartons of paper and cardboard ... ..	116	215
Other goods made... ..	66	48
TOTAL ... ..	1,049	1,224

**Waste products sold.**—Sales of waste paper recorded by firms in the Manufactured Stationery Trade in 1930 and 1924 amounted to £20,000 and £23,000 respectively.



**Employment and Wages**

**Employment.**—The following table shows the average numbers of persons employed in 1930 and 1924 :—

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
	1930					
Operatives (average for the year)	1,921	10,797	7,067	20,744	8,988	31,541
Administrative, technical and clerical staff (as at 18th October) ... ..	325	3,557	635	2,741	960	6,298
<b>TOTAL</b> ... ..	<b>2,246</b>	<b>14,354</b>	<b>7,702</b>	<b>23,485</b>	<b>9,948</b>	<b>37,839</b>
1924						
Operatives (average for the year)	1,187	7,294	4,874	15,388	6,061	22,682
Administrative, technical and clerical staff (as at 18th October) ... ..	279	2,657	402	1,954	681	4,611
<b>TOTAL</b> ... ..	<b>1,466</b>	<b>9,951</b>	<b>5,276</b>	<b>17,342</b>	<b>6,742</b>	<b>27,293</b>
Average number of outworkers :—						
1930 ... ..	2		306		308	
1924 ... ..	26		182		208	

**Wages.**—The available information as to the amount of wages paid in 1930 and 1924 is given on pages 436 and 437.

**Power**

The following table shows the capacity of prime movers, electric generators and electric motors ordinarily in use and in reserve or idle in 1930 and 1924 :—

Power equipment	1930			1924		
	Ordinarily in use	In reserve or idle	Total	Ordinarily in use	In reserve or idle	Total
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
<b>PRIME MOVERS</b>						
Reciprocating steam engines ... ..	3,260	729	3,989	1,381	194	1,575
Steam turbines ... ..	—	—	—	200	—	200
Internal combustion engines :—						
Gas ... ..	1,655	275	1,930	1,562	414	1,976
Heavy oils ... ..	602	142	744	191	167	358
Water engines ... ..	137	—	137	100	—	100
<b>TOTAL</b> ... ..	<b>5,654</b>	<b>1,146</b>	<b>6,800</b>	<b>3,434</b>	<b>775</b>	<b>4,209</b>

Power equipment	1930			1924		
	Ordinarily in use	In reserve or idle	Total	Ordinarily in use	In reserve or idle	Total
	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
<b>ELECTRIC GENERATORS</b>						
Driven by						
Reciprocating steam engines ... ..	1,690	453	2,143	700	50	750
Steam turbines ... ..	—	—	—	150	—	150
Internal combustion engines :—						
Gas ... ..	318	51	369	309	52	361
Heavy oils ... ..	432	95	527	83	88	171
Water engines ... ..	17	—	17	8	—	8
<b>TOTAL</b> ... ..	<b>2,457</b>	<b>599</b>	<b>3,056</b>	<b>1,250</b>	<b>190</b>	<b>1,440</b>
<b>ELECTRIC MOTORS</b>	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Driven by						
Electricity generated in same works ... ..	3,340	103	3,443	1,961	118	2,079
Electricity generated in other works under same ownership ... ..	132	—	132	—	—	—
Purchased electricity ... ..	11,380	1,137	12,517	5,063	539	5,602
<b>TOTAL</b> ... ..	<b>14,852</b>	<b>1,240</b>	<b>16,092</b>	<b>7,024</b>	<b>657</b>	<b>7,681</b>

**Consumption of fuel**

The following table shows the quantities of coal, coke and electricity recorded as used in 1930 :—

Kind of fuel used	For power (driving engines)	For other purposes (so far as recorded)
	Tons	Tons
Coal ... ..	12,048	11,636*
Coke ... ..	—	4,684*
Electricity used for all purposes :—		B.T.U. (Kw.-hrs.)
Generated in same works ... ..		3,174
Generated in other works under same ownership ... ..		63
Purchased ... ..		8,315
<b>TOTAL—Electricity...</b> ... ..		<b>11,552</b>

\* These figures were recorded by firms representing 97·4 per cent. of the net output of the whole trade.







## III. Employment

A.—NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1930  
(EXCLUDING OUTWORKERS)

Persons employed (excluding outworkers)	Males		Females		Males and females	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
<i>England and Wales</i> :—						
Operatives ... ..	1,897	10,411	6,520	18,922	8,417	29,333
Administrative, etc.*	305	3,363	603	2,510	908	5,873
TOTAL ... ..	2,202	13,774	7,123	21,432	9,325	35,206
<i>Scotland</i> :—						
Operatives ... ..	47	517	632	2,072	679	2,589
Administrative, etc.*	20	194	32	231	52	425
TOTAL ... ..	67	711	664	2,303	731	3,014
<i>Great Britain</i> :—						
Operatives ... ..	1,944	10,928	7,152	20,994	9,096	31,922
Administrative, etc.*	325	3,557	635	2,741	960	6,298
TOTAL ... ..	2,269	14,485	7,787	23,735	10,056	38,220

\* Administrative, technical and clerical staff.

B.—OPERATIVES (EXCLUDING OUTWORKERS) EMPLOYED IN ONE WEEK  
IN EACH MONTH OF 1930.

Week ended	Males and females			Week ended	Males and females		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
Jan. 18 ...	28,569	2,582	31,151	July 19 ...	28,699	2,611	31,310
Feb. 15 ...	28,511	2,593	31,104	Aug. 16... ..	28,921	2,627	31,548
Mar. 15 ...	28,556	2,610	31,166	Sept. 13... ..	29,212	2,571	31,783
April 12 ...	28,438	2,633	31,071	Oct. 18 ... ..	29,333	2,589	31,922
May 17 ... ..	28,566	2,620	31,186	Nov. 15... ..	29,934	2,595	32,529
June 21 ... ..	28,633	2,610	31,243	Dec. 13 ... ..	29,898	2,578	32,476
AVERAGE FOR THE TWELVE MONTHS ... ..					28,939	2,602	31,541

## C.—NUMBERS OF OUTWORKERS AT TWO SPECIFIED PERIODS IN 1930

Country	January			July		
	Males	Females	Total	Males	Females	Total
<i>England and Wales</i> ... ..	2	268	270	2	335	337
<i>Scotland</i> ... ..	—	5	5	—	5	5
<i>Great Britain</i> ... ..	2	273	275	2	340	342

## IV. Power

## PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS

Power equipment	England and Wales		Scotland		Great Britain	
	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle
PRIME MOVERS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Reciprocating steam engines ... ..	3,090	729	170	—	3,260	729
Internal combustion engines :—						
Gas ... ..	1,609	260	46	15	1,655	275
Heavy oils ... ..	602	142	—	—	602	142
Water engines ... ..	137	—	—	—	137	—
TOTAL ... ..	5,438	1,131	216	15	5,654	1,146
TOTAL OF PRIME MOVERS INSTALLED	6,569		231		6,800	
ELECTRIC GENERATORS	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Driven by						
Reciprocating steam engines ... ..	1,690	453	—	—	1,690	453
Internal combustion engines :—						
Gas ... ..	318	51	—	—	318	51
Heavy oils ... ..	432	95	—	—	432	95
Water engines ... ..	17	—	—	—	17	—
TOTAL ... ..	2,457	599	—	—	2,457	599
TOTAL OF ELECTRIC GENERATORS INSTALLED	3,056		—		3,056	
ELECTRIC MOTORS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Driven by						
Electricity generated in same works ... ..	3,340	103	—	—	3,340	103
Electricity generated in other works under same ownership ... ..	132	—	—	—	132	—
Purchased electricity	10,631	1,065	749	72	11,380	1,137
TOTAL ... ..	14,103	1,168	749	72	14,852	1,240
TOTAL OF ELECTRIC MOTORS INSTALLED	15,271		821		16,092	



## V. Consumption of fuel

Kind of fuel used	England and Wales	Scotland	Great Britain
Coal used for power ... ..	Tons 11,008	Tons 1,040	Tons 12,048
Electricity used for all purposes :—	B.T.U. (Kw.-hrs.) '000	B.T.U. (Kw.-hrs.) '000	B.T.U. (Kw.-hrs.) '000
Generated in same works ... ..	3,174	—	3,174
Generated in other works under same ownership ... ..	63	—	63
Purchased ... ..	7,571	744	8,315
TOTAL—Electricity ...	10,808	744	11,552