

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	265	583
Road goods vehicles	190	299
Plant, machinery and other capital equipment	747	1,600
Insurance, licensing and depreciation of road goods vehicles (b)	489	617
Rates, excluding water rates	1,144	2,097
Hire of plant and machinery	70	420
Postage, telephone, telegrams, cables and telex (c)	494	798
<b>Total</b>	<b>3,399</b>	<b>6,414</b>

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

(c) Excluding Telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
1968	Per cent.	Per cent.
April (a)	3.4	9.1
May	1.5	0.5
June	4.9	2.8
July	1.9	0.7
August	3.1	1.5
September	6.2	3.8
October	2.2	1.6
November	2.5	2.0
December	44.8	52.0
1969		
January	1.9	1.4
February	1.9	0.7
March	24.4	23.6
April (b)	1.5	0.4
	100	100

(a) From 6 April.

(b) To 5 April.

## 139 Packaging products of paper and associated materials (other than board)

This Report on the Packaging Products of Paper and Associated Materials (other than board) Industry relates to establishments engaged wholly or mainly in manufacturing paper bags, including printed bags, multiwall paper sacks, etc.

This industry corresponds to minimum list heading 482(2) in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census.

The industry formed part of the Miscellaneous Manufactures of Paper and Board Industry (Part 116) in the Reports on the last detailed Census of Production for 1963 corresponding in the main to the sub-division on 'Paper bags and multiwall paper sacks' but also including articles manufactured from transparent regenerated cellulose film and other packaging products of paper and associated materials (other than board). The manufacture of stationery, wallpaper and other manufactures of paper and cardboard also included in the industry in the 1963 Report are now shown as separate reports for 1968 as Manufactured Stationery (Part 140) and Miscellaneous Manufactures of Paper and Board (Part 141).

Throughout this Report, the figures given for 1963 have been reclassified, as far as possible, according to the Standard Industrial Classification (Revised 1968) so that data for 1963 and 1968 are on the same industrial basis. However the reclassification of small firms, which provided limited information only, has been arbitrary.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

## LIST OF TABLES

Table No.	Title	Page
SECTION I - Estimates for all establishments in the industry		
1	Industry summary, 1963 and 1968	139/3
2	Analysis by size of establishment within the industry, 1968	139/4
3	Percentage analysis of employees, by age and sex, 1969	139/5
SECTION II - Analysis of returns received		
4	Analysis of larger establishments, 1963 and 1968	139/6
5	Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968	139/7
6	Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968	139/8
7	Sales of other than principal products by larger establishments in the industry, 1963 and 1968	139/9
8	Production of certain principal products of the industry by larger establishments, 1963 and 1968	DOES NOT APPLY
9	Purchases by larger establishments of selected principal products of the industry, 1968	DOES NOT APPLY
10	Purchases by larger establishments in the industry, 1963 and 1968	139/10
11	Transport costs and employment of larger establishments, 1963 and 1968	139/12
12	Payments for certain services, etc by larger establishments, 1963 and 1968	139/12
13	Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968	139/13

## Footnotes continued from page 139/3.

(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).

(d) Administrative, technical and clerical employees.

(e) Excluding expenditure for establishments not yet in production.

(f) Acquisitions less disposals.

TABLE 1 Industry summary, 1963 and 1968  
United Kingdom (a) (b)

	Unit	All establishments		
		1963	1968	
Number of enterprises	No.	125	124	
Number of establishments	"	148	151	
Gross output	£'000	62,763	100,357	
Net output	"	19,663	33,531	
Net output per head	£	1,327	1,815	
Sales and work done	goods produced and work done (c)	£'000	59,583	95,910
	merchanted goods and canteen takings	"	2,972	3,763
Purchases	materials for use in production and packaging and fuel	"	39,822	61,519
	goods for merchanding and canteen purchases	"	2,554	3,248
Payments to other organisations	for work done on materials given out	"	139	348
	for transport	"	1,352	2,070
	by road	"		
	by rail and other means excluding postal services	"		223
Stocks and work in progress				
Total stocks and work in progress	change during year	"	+ 975	+ 1,265
	at end of year	"	9,362	15,003
Goods on hand for sale	change during year	"	+ 142	+ 574
	at end of year	"	2,625	4,134
Work in progress	change during year	"	+ 66	+ 109
	at end of year	"	593	1,401
Materials, stores and fuel	change during year	"	+ 767	+ 582
	at end of year	"	6,145	9,468
Number employed on average during the year	total, including working proprietors	Th.	14.8	18.5
	operatives	"	11.8	14.6
	other employees (d)	"	2.8	3.8
Wages and salaries	of operatives	£'000	6,349	11,740
	of other employees (d)	"	2,597	4,800
Capital expenditure (e)				
Total	"	1,434	4,547	
New building work	"	297	634	
Land and existing buildings (f)	"	158	80	
Plant and machinery (f)	"	1,166	3,624	
Vehicles (f)	"	130	209	

(a) For 1968, estimates for small establishments from which only employment data were collected, accounted for 3 per cent. of the total figures in which they were incorporated: there were no unsatisfactory returns. For 1963 estimates for establishments not making satisfactory returns and for small establishments from which only employment data were collected accounted for 7 per cent. of the total figures in which they were incorporated: of this unsatisfactory returns accounted for 3 per cent.

(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. For 1963 it includes an estimate for small establishments not making satisfactory returns.

	1963	1968
Number of establishments	62	54
Average number employed:		
Working proprietors	670	57
Other persons employed		568

Footnotes continued on page 139/2.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab-lish-ments	Enter-prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
	Number	Number	Number	£'000	£'000	£
1-5	11	11	32	..	..	..
6-10	15	15	118	..	..	..
11-24	28	28	475	..	..	..
25-49	19	18	736	3,826	1,262	1,714
50-99	22	20	1,595	6,127	1,878	1,178
100-199	26	22	3,403	21,179	5,981	1,757
200-299	14	11	3,353	15,999	5,339	1,592
300-399	6	5	2,086	15,318	4,784	2,293
400-499	3	3	1,389	6,455	2,246	1,617
500-749	3	3	2,001	8,698	3,317	1,658
750 and over	4	4	3,283	19,358	7,590	2,312
Total	151	124	18,471	100,357(c)	33,531(c)	1,815(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Employees		Wages and salaries		Wages and salaries per head	
	Oper-atives	Others (d)	Oper-atives	Others (d)	Oper-atives	Others (d)
	Number	Number	£'000	£'000	£	£
1-5	..	..	..	..	..	..
6-10	..	..	..	..	..	..
11-24	..	..	..	..	..	..
25-49	580	146	393	200	678	1,368
50-99	1,263	315	815	343	646	1,089
100-199	2,779	613	2,055	909	740	1,483
200-299	2,761	589	2,161	710	783	1,205
300-399	1,501	585	1,387	721	924	1,233
400-499	1,181	208	776	293	657	1,410
500-749	1,465	536	1,370	677	935	1,262
750 and over	2,630	649	2,418	799	920	1,231
Total	14,612(c)	3,757(c)	11,740(c)	4,800(c)	803(c)	1,278(c)

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	3	4	7
18 and over	51	42	93
All ages	54	46	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) in the packaging products of paper, board and associated materials industries - minimum list heading 482 - at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification (Revised 1968).

## Footnotes to Table 4.

- (a) For 1963, 3 establishments employing fewer than 25 persons were included in returns for larger establishments. None were included for 1968.
- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5.
- (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
- (d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (e) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £3,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to specific sub-divisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (h) Administrative, technical and clerical employees.
- (i) Excluding expenditure for establishments not yet in production.
- (j) Acquisitions less disposals.

TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

	Unit	Sub-divisions of the industry (b)				Total			
		Paper bags and multiwall paper sacks		Other, including articles manufactured from transparent regenerated cellulose film		1963	1968		
		21		22,23					
		1963	1968	1963	1968				
Number of enterprises (c)	No.	46	50	18	22	63	70		
Number of establishments	"	64	61	22	36	86	97		
Gross output	£'000	46,316	63,339	12,143	33,622	58,458	96,961		
Net output	"	12,954	20,950	5,361	11,446	18,315	32,396		
Net output per head	£	1,197	1,765	1,800	1,916	1,327	1,815		
Sales and work done	£'000	goods produced and work done (d) (e)		44,465	60,447	11,032	32,218	55,497	92,665
		merchanted goods and canteen takings		1,678	2,449	1,090	1,187	2,768	3,636
Sales of characteristic products	"	40,747	54,866	(f)	(f)	(f)	(f)		
Index of specialisation (g)	Per cent.	92	91	..	..	90	87		
Purchases	£'000	materials for use in production and packaging, and fuel		31,563	38,977	5,528	20,461	37,091	59,438
		goods for merchandising and canteen purchases		1,390	2,123	988	1,015	2,378	3,138
Payments to other organisations	"	for work done on materials given out		115	197	15	139	130	336
		for transport		908	1,296	351	704	1,259	2,000
		by road							
by rail and other means excluding postal services		"	147	68	216				
Stocks and work in progress									
Goods on hand for sale	"	change during year		+ 127	+ 433	+ 6	+ 121	+ 133	+ 554
		at end of year		1,855	2,800	590	1,194	2,445	3,994
Work in progress	"	change during year		+ 46	+ 9	+ 15	+ 97	+ 61	+ 106
		at end of year		497	836	56	518	552	1,354
Materials, stores and fuel	"	change during year		+ 614	+ 351	+ 100	+ 211	+ 714	+ 562
		at end of year		5,074	6,543	650	2,604	5,724	9,148
Number employed on average during the year	No.	total including working proprietors		10,820	11,872	2,979	5,974	13,799	17,846
		operatives		8,663	9,578	2,442	4,582	11,105	14,160
		other employees (h)		2,119	2,267	522	1,374	2,641	3,641
Wages and salaries	£'000	of operatives		4,451	6,993	1,501	4,383	5,953	11,376
		of other employees (h)		1,914	2,814	522	1,838	2,436	4,652
Wages and salaries per head	£	operatives		514	730	615	957	536	803
		other employees (h)		903	1,241	1,001	1,337	922	1,278
Capital expenditure (i)									
New building work	£'000	265	337	11	276	276	613		
Land and existing buildings	"	acquisitions		162(j)	88(j)	15(j)	11(j)	67	102
		disposals						215	25
Plant and machinery	"	acquisitions		834	1,811	355	1,827	1,189	3,638
		disposals		52	86	51	51	103	137
Vehicles	"	acquisitions		132	205	60	160	192	365
		disposals		45	79	27	84	71	163

For notes to this table - see page 139/5.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

Industry sub-division (a)		1963		1968		Enterprises	Entries		
		Quantity	Value	Quantity	Value				
		£'000		£'000				Number	Number
23	Moulded pulp units (overprinted or not)								
	Containers		4,419	..	597	8	8		
	Other	..		Th.cwt. 975	4,921	11	11		
21	Paper bags (overprinted or not)								
	Paper bags (including carrier bags)	Th.cwt. 2,773	21,154	2,457	23,109	80	90		
			..	3,420					
	Multiwall paper sacks	Th.cwt. 4,536	Mn. 859	25,334	Th.cwt. 5,503	Mn. 1,143	33,798	13	15
23	Jam pot covers, bottle caps, discs, etc, of paper and cardboard	..	547(b)	..	2,393	20	22		
22	Articles manufactured from transparent regenerated cellulose film (including film laminated to plastic) (c)								
	Bags	Th.cwt. 150	5,446	Th.cwt. 77.7	2,914	22	27		
			..	1,042					
	Wrappers, labels, jam pot covers and other packaging products	60.0	2,383	248	10,154	24	33		
		..	258	..	2,084				
23	Purchased wrapping paper (whether or not printed or patterned), cut and packed	139	1,162(b)	458	5,543	48	53		
		..	610	..	4,421				
	Other products	..	76	..	36	*	*		
	Work done	..	31	..	131	8	8		
	Waste products	..	145	..	267	49	55		
	Total		61,565		94,831	..	..		
	Sales in other industries (see Table 6)		11,384		14,112	..	..		
	Principal products of this industry sold by establishments in the industry		50,181		80,719	70	80(d)		

(a) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger establishments, not merely sales by establishments classified to the sub-division.

(b) So far as recorded separately.

(c) For 1963, described as 'Articles manufactured from transparent regenerated cellulose film'.

(d) This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963		1968			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
		£'000		£'000	Number	
Moulded pulp units (overprinted or not)						
Containers			..	186	*	138,143
Other			..	293	*	138,143
Paper bags (including carrier bags) (overprinted or not), multiwall paper sacks and jampot covers, bottle caps, discs, etc, of paper and cardboard	..	6,107	Th.cwt. 294	3,227 2,719	62	137,138, 140,141
Articles manufactured from transparent regenerated cellulose film (including film laminated to plastic) (b)						
Bags	Th.cwt. 72.5	2,824	43.3 ..	1,731 617	13	34,137, 140,141
Wrappers, labels, jam pot covers and other packaging products	..	1,635	83.8 ..	3,187 255	22	137,138, 140,143
Purchased wrapping paper (whether or not printed or patterned) cut and packed	56.8 ..	427(c) 390	144 ..	1,077 821	33	107,137, 138,141
Total		11,384		14,112	..	

(a) The references given are to the list of industries at the front of this report.

(b) For 1963, described as 'Articles manufactured from transparent regenerated cellulose film'.

(c) So far as recorded separately.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963	1968
	Value	Value
	£'000	£'000
Paper and board		2,564
Boxes and cartons of paper and board and fibre-board packing cases	1,058	1,177
Manufactured stationery	92	510
Other manufactures of paper and board not elsewhere specified	458	511
Purchased paper processed (excluding wrapping paper whether or not printed or patterned), cut and packed	205	2,295
Articles manufactured from regenerated cellulose film (including film laminated to plastic but excluding sheets, rolls, bags and wrappers, labels, jam pot covers and other packaging products)	1,837	625
Plastics products		
Bags, sacks, wrappers etc, and foamed packaging materials		
Bags and sacks up to 500 gauge wrappers etc, and foamed packaging materials	414	537 156
Other goods wholly or mainly of plastics materials not elsewhere specified	473	2,171
Printed goods	309	885
Printing work done on customers own materials	55	112
Other goods and services rendered to other organisations (a)	413	403
Canteen takings	71	140
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	2,697	3,496
Total	8,083	15,582

(a) Services rendered are defined as amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968  
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Cost	Quantity	Cost
Materials for use in production		£'000		£'000
Wood pulp	..	621	..	1,473
Paper				
Uncoated				
Kraft liner (below 220 g.s.m.)			..	4,802
M.G. sulphite paper	..	26,050	..	4,576
Other uncoated paper			..	26,148
Coated paper	..	598	..	1,133
Processed paper (oiled, waxed, enamelled, stained, etc)	..	972	..	603
Fancy paper (crêped, corrugated, crinkled, etc)	..	460	..	494
Board, coated and uncoated	..	191	..	551
Transparent regenerated cellulose film (other than for your own packaging)	..	2,265	..	5,782
	Th.cwt.		Th.cwt.	
Polyethylene and polypropylene and copolymers; sheet, rod, film, foil, profile shapes and monofilament	31.6	478	112	1,618
	..	425	..	1,125
General chemicals				
Inorganic (including inorganic gases)			..	27
Organic (including organic gases)	..	34	..	25
Other (eg mixtures of inorganic and organic chemicals)			..	27
Glues and adhesives (including formulated adhesives, but excluding unformulated synthetic resins bought as such) (a)	..	417	..	571
Wax, refined, blended, bleached, etc	..	167	..	702
Pigment colours	..	63	..	49
Printers' inks	..	1,183	..	2,551
Aluminium foil	..	196	..	583
	Th.gal.		Th.gal.	
Lubricating oils and greases	36.8	7	28.1	10
	..	4	Th.cwt.	
			0.2	1
			..	2
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement				
Tyres and other spare parts for firms' own road goods vehicles	..	330	..	40
Other			..	458
All other materials for use in production	..	1,336	..	3,532
Packaging materials				
Paper and board				
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	..	156	..	213
Fibreboard packing cases			..	90
Bags and multiwall paper sacks	..	(b)	..	27

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
Packaging materials (continued)		£'000		£'000
Paper and board (continued)				
Wrapping and packing paper (including paper coated with plastics and any laminates incorporating paper but not metal)			..	299
Paper and board for converting into packaging materials	..	271	..	80
Other packaging materials of paper and paperboard (including moulded pulp units and labels)			..	79
Containers wholly or mainly of wood (including plywood boxes and drums), baskets and wickerwork crates	..	6	..	26
Transparent regenerated cellulose film				
In sheets or rolls	..	(b)	..	12
Bags			..	2
All other packaging materials	..	82	..	162
Fuel and electricity (c)	Th.tons		Th.tons	
Coal	4.5	26	34.5	187
Coke (including screenings) and manufactured fuel	0.9	8	0.6	6
	..	1		
	Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	208	43	452	119
	..	12	..	19
Other liquid fuels (including creosote/pitch mixtures, etc and liquefied petroleum gases)	5,494	291	9,440	500
	Th.therms		Th.therms	
Gas	182	13	161	14
	..	18	..	32
	Th.kWh		Th.kWh	
Electricity	27,625	173	72,646	487
	..	195	..	140
All other fuels	..	(b)	..	60
Total cost of materials and fuel		37,091		59,438
Goods purchased for merchanting		2,313		2,985
Canteen purchases		65		153
Total cost of purchases		39,469		62,575

(a) For 1963, described as 'Glues and adhesives (including compound synthetic resin adhesives, but excluding synthetic resins bought as such)'.

(b) Not recorded separately for 1963.

(c) Owing to the risk of disclosure of information relating to individual firms, the total quantity of electricity generated in firms' own establishments in 1968 cannot be given. For 1963, no electricity generated was recorded by establishments classified to this industry.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	170	212
Transport costs			
Wages and salaries	£'000	120	238
Derv fuel and motor spirit	"	54	137
Tyres and other spare parts for road goods vehicles	"	..	40
Payments to other organisations for transport	{ by road by rail and other means excluding postal services	{ 1,259	{ 2,000
Costs of operating road goods vehicles			216
Insurance	"	9	21
Vehicle licences	"	8	30
Depreciation	"	44	100
Payments to other organisations for repairs and maintenance	"	37	69
Total	"	1,532(a)	2,852

(a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	89	179
Road goods vehicles	37	69
Plant, machinery and other capital equipment	206	561
Insurance, licensing and depreciation of road goods vehicles (b)	61	152
Rates, excluding water rates	225	521
Hire of plant and machinery	5	30
Postage, telephone, telegrams, cables and telex (c)	162	243
Total	785	1,754

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

(c) Excluding telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
1968	Per cent.	Per cent.
April (a)	2.5	0.5
May	3.8	1.2
June	2.5	0.4
July	0.0	0.0
August	0.0	0.0
September	10.0	12.9
October	2.5	0.8
November	1.3	0.3
December	42.5	49.1
1969		
January	3.8	2.5
February	0.0	0.0
March	28.8	30.6
April (b)	2.5	1.7
	100	100

(a) From 6 April.

(b) To 5 April.