# 137 Paper and board

This Report on the Paper and Board Industry relates to establishments engaged wholly or mainly in manufacturing all types of paper and board including newsprint, printing and writing paper, wrapping paper, cigarette paper, cardboard and building board; and paper coating. Paper sensitizing is excluded.

This industry corresponds to minimum list heading 481 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 definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 114).

## METHOD OF CLASSIFICATION

The classification of returns to this industry followed the standard procedure as outlined in the notes on page (i). In classifying returns to the sub-divisions of the industry shown in Table 4, they were first classified according to whether their sales of coated paper and board were greater than their sales of uncoated paper and board. Returns with greater sales of coated paper were classified to the sub-division 'Coated paper and board including oiled, waxed and other water-proof wrappings'. Other returns were classified to one of the remaining sub-divisions according to which group of products ranked largest in their sales.

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

No.	Title	Page
	SECTION I - Estimates for all establishments in the industry	
1	Industry summary, 1963 and 1968	137/
2	Analysis by size of establishment within the industry, 1968	137/
3	Percentage analysis of employees, by age and sex, 1969	137/
	SECTION II - Analysis of returns received	
4	Analysis of larger establishments, 1963 and 1968	137/
5	Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968	137/
6	Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968	137/1
7	Sales of other than principal products by larger establishments in the industry, 1963 and 1968	137/1
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	137/1
11	Transport costs and employment of larger establishments, 1963 and 1968	137/1
12	Payments for certain services, etc by larger establishments, 1963 and 1968	137/1
13	Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968	137/1

## Footnotes continued from page 137/3.

- (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 <u>less</u> disposals.

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

	months and the second	I'=: 4	All estab	lishments
		Unit	1963	1968
Number of enterprises	o roll toll test	No.	192	170
Number of establishments		n	318	271
Gross output		£~000	383,969	461,032
Net output		п	144,725	170,163
Net output per head		£	1,637	2,236
a. 1 — J. wa wle doma	goods produced and work done (c)	£,000	378,654	449,035
Sales and work done	merchanted goods and canteen takings	"	5,041	9,108
D. James	materials for use in production and packaging and fuel	п	224,368	273,721
Purchases	goods for merchanting and canteen	,	4 909	0.051
	purchases		4,268	8,051
	for work done on materials given out	51 81	889	768
Payments to other	for transport by road	11	) (	10,418
organisations	by rail and other means excluding	01 7 63	9,932	10,410
	postal services	п		1,524
Stocks and work in progre	s			
Total stocks and work in	change during year	п	+ 487	+ 6,502
progress	at end of year	п	62,461	72,871
	change during year	n n	+ 235	+ 2,464
Goods on hand for sale	at end of year	п	19,661	23,742
	change during year	п	+ 39	+ 425
Work in progress	at end of year	n	4,256	6,497
	change during year	II.	+ 214	+ 3,612
Materials, stores and f	at end of year	п	38,543	42,631
	total, including working proprietors	Th.	88.4	76.1
Number employed on averag		n on	73.3	61.7
during the year	other employees (d)	. 11	15.0	14.3
	of operatives	£,000	54,383	66,484
Wages and salaries	of other employees (d)	п	14,899	18,384
Capital expenditure (e)	Wholesto at the same			
Total		u	22,569	21,917
New building work		n and	4,091	3,184
Land and existing build	ings (f)	tt	- 128	- 1,566
Plant and machinery (f)	102.1 1 100.1 15 OKT & Physician Commission	n	18,058	19,694
Vehicles (f)		"	548	606

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 2 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns accounted for 1 per cent. For 1963 the comparable figures were less than 1 per cent. in both cases.

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

	1963	1968
Number of establishments	55	58
Average number employed		
Working proprietors	51	39
Other persons employed	542	556

Footnotes continued on page 137/2.

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
487.735	Number	Number	Number	£'000	£'000	£
1-5	13	13	43			
6-10	13	13	95			
11-24	26	26	444	Many dept. ho	amora chron	
25-49	17	16	635	3,724	1,409	2,219
50-99	36	30	2,753	13,938	5,433	1,974
100-199	45	34	6,325	42,951	15,569	2,462
200-299	35	30	8,432	51,437	21,554	2,556
300-399	14	12	5,015	27,658	9,843	1,963
400-499	16	14	7,239	36,664	13,961	1,929
500-749	16	12	9,900	55, 193	19,424	1,962
750-999	8	8	6,852	36,581	12,889	1,881
1,000-1,499	12	10	14,040	84,172	34,923	2,487
1,500 and over	7	5	13,556	100,483	32,115	2,369
Unsatisfactory returns	13	11	788			
Total	271	170	76,117	461,032(c)	170,163(c)	2,236(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the	Emplo	oyees	Wages and	l salaries	Wages and salaries per head		
year by the establishment (a)	Oper- atives	Others (d)	Oper- atives	Others (d)	Oper- atives	Others (d)	
	Number	Number	£'000	£'000	£	£	
1-5							
6-10				a) madea (an	period to		
11-24							
25-49	513	117	532	131	1,038	1,118	
50-99	2,213	530	2,088	606	944	1,144	
100-199	5,053	1,265	5,211	1,666	1,031	1,317	
200-299	6,781	1,651	7,126	2,130	1,051	1,290	
300-399	4,060	954	3,911	1,082	963	1,135	
400-499	5,845	1,394	5,890	1,768	1,008	1,268	
500-749	8,229	1,671	8,155	2,148	991	1,286	
<b>7</b> 50-999	5,612	1,240	5,919	1,640	1,055	1,322	
1,000-1,499	11,332	2,707	12,697	3,372	1,120	1,246	
1,500 and over	11,017	2,539	13,794	3,521	1,252	1,387	
Insatisfactory returns		go ayo ligad Is fise 10e a	A CONTRACTOR OF		•	EP RESIDENCE	
Total	61,737(c)	14,317(c)	66,484(c)	18,384(c)	1,077(c)	1,284(c)	

<sup>(</sup>a) Including working proprietors.

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	2	5
18 and over	77	18	95
All ages	80	20	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) 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) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These amounted to 1 establishment in 1968 and 4 in 1963.
- (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 £7,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to specific subdivisions 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.

<sup>(</sup>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.

<sup>(</sup>c) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

<sup>(</sup>d) Administrative, technical and clerical employees.

TABLE 4 Analysis of larger establishments, 1963 and 1968
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

		NAME AND ADDRESS OF	Sub-	divisions of	the industr	y (b)	A STATE OF THE STA		Sub	-divisions of	the industry	(b)		
		Unit	Coated paper and board including oiled, waxed and other waterproof wrappings		News	sprint	Other pring writing		Industri special pape	purpose		ed, other than caging		nated
						02	03	3	06		07		08	
			1963	1968	1963	1968	1963	1968	1963	1968	1963	1968	1963	1968
Number of enterp	prises (c)	No.	39	27	3	5	33	26	24	22	14	16	22	17
Number of establ	lishments	п	59	40	8	7	59	40	38	30	20	22	29	18
Gross output		£,000	64,318	72,269	48,857	62,178	93,658	95,671	35,073	52,694	49,372	58,448	16,899	24,251
Net output		п	21,944	25,401	15,484	18,417	36,099	35,245	15,180	25, 185	21,145	22,801	7,975	9,789
Net output per h	nead	£	1,394	2,137	1,846	2,332	1,499	2,073	1,548	2,357	1,996	2,369	1,507	2, 198
Sales and	goods produced and work done (d)(e)	£,000	63,050	68,165	49,236	61,613	92,826	93,643	34,348	51,910	49,216	58,527	15,778	21,269
work done	merchanted goods and canteen takings	п	1,012	3,151	102	477	654	829	492	286	93	106	1,116	2,638
Sales of charact	teristic products	"	45,825	55,665	30,816	41,928	68,204	77,033	22,249	34,895	31,786	48,151	12,078	16,473
Index of special	lisation (g)	Per cent.	73	82	63	68	73	82	65	67	65	82	77	77
Purchases	materials for use in production and packaging, and fuel	£,000	39,628	43,336	30,734	42,057	54,485	58,178	18,524	26,626	26,651	33,747	7,581	11,486
- 410114505	goods for merchanting and canteen purchases	п	736	2,768	92	494	607	732	447	251	83	103	923	2,310
	for work done on materials given out	11	318	155	48	264	65	160	102	41	ner marin win	Protest no resid	51	36
Payments to	for transport												)	
other organisations	by road	"		1,243		1,453		2,399	680.4	837	1,747	1,572	[ 501]	729
114	by rail and other means excluding postal services	"	1,391	304	1,450	200	2,453	457	542	197	pristor and an	og Sheller his	564	19
Stocks and work			,						)		,	-		
Goods on hand	change during year	"	+ 183	+ 631	- 490	+ 129	+ 226	+ 1,062	+ 175	+ 438	+ 128	- 78	+ 8	+ 303
for sale	at end of year	п	3,879	4,118	2,192	2,993	6,125	6,199	2,121	3,606	948	1,333	953	1,669
Work in	change during year	п	+ 74	+ 322	+ 9	- 41	- 48	+ 138	+ 58	+ 60	- 65	- 106	- 3	+ 43
progress	at end of year	п	1,324	1,748	30	208	1,004	1,938	1,089	1,462	288	179	174	247
Materials,	change during year	11	- 300	+ 939	-1,049	+ 707	+ 51	+ 1,499	- 278	+ 444	+ 254	- 225	+ 195	+ 118
stores and fuel	at end of year	п	4,861	5,817	6,332	8,073	8,803	9,757	3,524	4,829	4,763	4,520	1,355	1,509
	total including working proprietors	No.	15,745	11,884	8,386	7,899	24,077	17,004	9,807	10,687	10,593	9,624	5,292	4,453
Number employed on average	operatives	п	12,886	9,200	7,187	6,626	20,474	14,117	7,847	8,637	8,639	7,639	4,338	3,621
during the year	other employees (h)	"	2,853	2,683	1,199	1,273	3,599	2,882	1,956	2,048	1,954	1,985	944	828
Wages and	f of operatives	£,000	8,709	9,351	5,993	7,944	14,146	14,310	5,794	8,752	7,468	9,501	3,181	3,601
salaries	of other employees (h)	п	2,756	3,196	1,266	1,769	3,413	3,707	1,936	2,591	2,149	2,799	956	1,035
Wages and	operatives	£	676	1,016	834	1,199	691	1,014	738	1,013	864	1,244	733	994
salaries per head	other employees (h)	"	966	1,191	1,056	1,389	948	1,286	990	1,265	1,100	1,410	1,013	1,250
Capital expendit	ure (i)	100						tamed akipto			316 3 31.0		10,000,000	white in man, i
New building w	ork	£,000	597	447	164	162	932	557	967	705	563	272	404	179
Land and existing	acquisitions	"	112	18	28(j)	_ 9(j)	22	31	95	28	-	12	56	- 789(j)
existing buildings	disposals	"	360	214	]		94	352	1	216	30	36	5	)
Plant and	facquisitions	п	2,989	3,496	2,004	1,298	3,207	4,162	3,015	3,350	3,243	2,485	1,437	871
machinery	disposals	11	76	63	7	19	47	77	84	17	89	19	5	11
Vehicles	acquisitions	п	139	134	50	35	110	122	76	110	83	98	83	110
	disposals	"	46	54	3	12	27	33	22	36	18	33	21	27

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137/9

hartaan Nelson sahas Essalik	Arabier annual filosopie es en la la management de la com-		Sub-division industr			s kongress
		Unit	Remainder including household toilet papers and tissues and wrapping papers other than oiled, waxed and other		Total	
			waterproof	wrappings		
		nar.	1963	1968	1963	1968
N		No.		37	144	1
Number of enterpr		NO.	39	1 00	267	111 207
Number of establi	shinents	A PROPERTY OF	54	50	3245,837	
Gross output		£,000	73,403	87,368	381,580	452,880
Net output		н	25,997	30,315	143,825	167,153
Net output per he		£	1,863	2,293	1,637	2,236
Sales and	goods produced and work done (d)(e)	£'000	71,845	85,967	376,299	441,095
work done	merchanted goods and canteen takings	"	1,542	1,461	5,010	8,947
Sales of characte	eristic products	"	(f)	(f)	(f)	(f)
Index of speciali	sation (g)	Per cent.			93	97
Purchases	materials for use in production and packaging, and fuel	£,000	45,369	53,451	222,972	268,881
rurchases	goods for merchanting and canteen purchases	п	1,354	1,249	4,242	7,908
	for work done on materials given out	"			884	75
Payments to	for transport				2	
other organisations	by road	"	2,023	2,420		10,23
organisations	by rail and other means excluding postal services	п			9,870	1,49
Stocks and work	in progress					
Goods on hand	schange during year	"	+ 3	- 64	+ 233	+ 2,42
for sale	at end of year	и	3,321	3,404	19,539	23,32
Work in	change during year	"	+ 14	+ 3	+ 38	+ 41
progress	at end of year	"	320	601	4,230	6,38
Materials,	change during year	n	+1,340	+ 67	+ 212	+ 3,54
stores and fuel	at end of year	и п	8,665	7,372	38,304	41,87
	( total including working proprietors	No.	13,954	13,220	87,854	74,77
Number employed on average	operatives	760	11,506	10,836	72,877	60,67
during the year	other employees (h)	п	2,430	2,372	14,935	14,07
Wogog and	of operatives	£'000	Balkinson I	11,881	54,092	65,34
Wages and salaries	of other employees (h)	1	2,346	2,971	14,823	18,06
Wages and	operatives	£	765	1,096	742	1,07
salaries per head	other employées (h)	33 "	966	1,252	992	1,28
Capital expendit	ure (i)					
New building w	ork	£'000	439	806	4,065	3,12
Land and	acquisitions	"	51(j)	11	388	17
existing buildings	disposals	11	91(1)	23	515	1,70
Plant and	acquisitions	53 H	2,415	4,048	18,310	19,71
machinery	disposals	п	56	159	365	36
V.1.011.	acquisitions	п	172	213	713	82
Vehicles	disposals	"	32	33	169	22

For notes to this table - see page 137/5.

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	desk ood's research ood's	19	963	e zadantan	1968		
sub- division (a)		Quantity	Value	Quantity	Value	Enter- prises	Entrie
	Paper, other than coated	Th. tons	£'000	Th.tons	£'000	Number	Number
02	Newsprint	682	39,141	734	47,336	5	7
03	Other printing and writing papers			3 9 0 1 1 5 gg	distribution of the second		
	Mechanical printings		(	204	16,012	13	19
	Wallpaper base		8,000	84.0	6,365	11	20
	Base paper for off-machine coating						
	Woodfree			60.0	8,149	13	26
	Esparto and part mechanical	808	83,518		4 050	and I	
	furnish			14.6	1,959 2,933	7 9	11
	Rag papers			11.7	1,335	13	19
	Other esparto (not for coating)			69.2	10,383	14	24
	Other woodfree (not for coating)			401	52,123	33	53
04, 05,	Food wrapping papers		No. No.	Tree respect	by noverball	Operation in	
09	Imitation parchment (glazed and	]	(	Int antiquet	Then gris		90.00
	unglazed) including waxing and unbleached	116	13,970	27.8	3,931	13	17
	Other			35.3	5,788	9	12
04, 05,	Kraft wrapping papers, bleached and unbleached	Na	- Lib (1.5%)		1916		
	Machine glazed	] 000	10 101	141	13,997	19	26
	Other	> 226	18,121	116	10,464	16	22
04, 05,	Other wrapping and packing papers			Section Silver	ee Heat		
09	Fluting and case liners		10.550	389	15,549	14	27
	Other	]	19,558	118	9,723	20	32
04, 05,	Cellulose wadding		1,459	8.1	1,598 394	11	11
	Household toilet papers and tissues	41.4	4,384(b)	55.9	6,663	5	7
04, 05, 09	Other tissues (wrapping, cigarette	41.4	4,004(5)	00.0	0,000		
09	and other industrial, etc)	28.8	4,890	33.0	6,284	11	15
06	Industrial and special purpose papers	323	32,689 6,478	326	41,237	37	56
	Total paper, other than coated (including cellulose wadding)	2,226	196,712 27,495	2,829	260,496 1,730	}	
0.7	Board, other than coated or laminated Packaging boards				ref tree-in	0	
07	Solid pulpboards, duplex and	1	1		100,000	4:13	
	triplex boards (including body- board for off-machine coating)			119	9,464	9	15
	Lined chipboard	716	33,098	311	19,911	10	17
	Test jute liner	110	00,000	158	8,232	8	14
	Other			459	16,722	14	20
00	Industrial and special purpose boards	)	7,016(b)		15,086	19	21
08		44.2	2,468(b)		1,384	18	19
08	Building boards		1,792	,	1,156	5 10	19
08	Other boards	81.3	7,611 1,518	91.3	10,968	18	25
	Total board, other than coated or laminated	841	43,178 10,327	1,353	81,767 1,156	]	1

Continued on next page

TABLE 5 (continued)

Industry			19	63		1968		
sub- division (a)		200	Quantity	Value	Quantity	Value	Enter- prises	Entries
01	Paper, coated (excluding paper hangings and waterproof wrappings)		Th.tons	£,000	Th.tons	£,000	Number	Number
30/11/05	Coated printings (other than embossed)		MCD)					(6)
	Coated with white or coloured coating on one side only		41.0	6,776	61.0	9,963	15	21
	Coated with white or coloured coating on both sides		154	20,947	187	25,740	14	21
100	Other coated paper (including embossed)			9,898	48.9	14,413	18	20
4	Total paper, coated	{	195	27;722 9,898	} 297	50,116		
01	Board, coated		66.6 Th.cwt.	7,735	96.4 Th.cwt.	12,395	13	25
01	Laminated and reinforced (eg cloth lined) paper (excluding bituminised laminated kraft)		64.0	643 2,695	90.6	1,051 3,087	6	9
01	Laminated and reinforced (eg cloth lined) board		571	3,017		3,054 1,052	14	18
05,09	Manufactures of paper and board  Roofing and flooring felt paper	{	477	1,283 718	} 837	2,042	6	6
01	Oiled, waxed and other waterproof wrappings			1 3.0	and the second	Danson Cal	wa ji	
	Waxed		860	8,634	d retiring a	6,618	21	23
Permit	Bituminised papers							
	Kraft unions reinforced with fibres		52.3	403	158	1,095	5	5
28	Kraft unions not reinforced with fibres		591	2,588	372	2,131	13	13
32	Other bituminised papers (eg saturated and coated) other than laminated			740	87.3	514	7	7
	Plastic coated			2,102	459	907 2,073 3,794	9	9 20
	Other	4		11 221			7	20
	Total oiled, waxed and other waterproof wrappings	{	1,503	11,624 2,841	1,247	8,440 8,691	}	40.
05, 09	Single face corrugated paper	V 4 -	667	1,795	524	2,043	19	21
	Other products		era il	2,390	Santa de La Sala	3,975	13	16
	Waste products	2		(		626	37	56
	Paper and board	}		624	d harber b	638	25	46
	Other Work done	1		831		552	21	31
	Total	-		351,529		442,596		
	Sales in other industries	+				da inte januar		
100 to 10	(see Table 6)  Principal products of this			8,788	= = = = = = = = = = = = = = = = = = = =	15,952		•••
2000	industry sold by establish- ments in the industry			342,741	San de Lesses	426,644	111	193(c)

<sup>(</sup>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.

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		1	968
	Value	Value	Entries	Principal industries in which produced (a)
187.7 1 398	£,000	£'000	Number	but a maint young
Paper, other than coated	1,712	2,440	11	43,139,141
Board, other than coated or laminated			perkhajan n	
Building boards	436	429	13	131,138
Other boards	238	1,783	12	131,136,138,141
Board, coated, laminated and reinforced (eg,cloth lined)	338	974	6	32,138,139
Laminated and reinforced (eg, cloth lined) paper (excluding bituminised laminated kraft) and coated paper (excluding paper hangings and waterproof wrappings)	1,484	2,026	8	141,143
Manufactures of paper and board				
Oiled, waxed and other water- proof wrappings				for glastrically not
Waxed	2,625	2,702	14	138,139,140,141
Bituminised papers (b)	][	109	10	138,139,143
Other	119	3,398	19	138,139,140,141
Single faced corrugated paper	427	1,002	*	138
Roofing and flooring felt paper and cellulose wadding	1,408	1,090	9	23,42,100,145
Total	8,788	15,952	- 27 U.S.	i bebreit inst ancharantantan

<sup>(</sup>a) The references given are to the list of industries at the front of this

<sup>(</sup>b) Amended figures.

<sup>(</sup>c) 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.

<sup>(</sup>b) For 1963, described as 'Bituminised kraft unions not reinforced with fibres'.

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

ESSI MANUEL COMPANY CONTRACTOR OF THE PROPERTY	19	963	19	968
Louis Agricultural Control of the Co	Quantity	Value	Quantity	Value
deidweit (a) hassbory	Th.cwt.	£,000	Th.cwt.	£,000
Paper bags (including carrier bags)	261	1,781	61.8	471
Articles manufactured from transparent regenerated cellulose film	35.9	1,380	3.3	1,729
Purchased paper processed	o will in	du basal	1	
Crêped, corrugated, crinkled, etc and gummed	127	824 37(a)	161	1,036
Wrapping paper, cut and packed, etc	30.2	182	109	617
Other	92.0	832 69(a)	] 197	1,404
Other manufactures of paper and board		18,940	Y	1,406
	Metal content Th. tons		Metal content Th.tons	
Foil laminated with paper, film, etc	2.0	3,846	1.7	3,787
Other goods (b)	eng Yese	3,361	Th.kWh	1,119
Electricity sold	han descri	1,073	172,696	644
Steam sold	NATT QUE	632		745
Services rendered to other organisations (c)	3.55	599		1,492
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	ded parce	4,252		8,031
Canteen takings	rayo basa	758		916
Total	Youll have	38,567		23,397

<sup>(</sup>a) Amended figures.

TABLE 8 Production of certail 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

Quantity Cost Quantity Cost	1963		1968	
	Quantity	Cost	Quantity	Cost
Materials for use in production		£,000		£,000
Pulpwood, including wood chips (a)		3,689	dr teno 101	7,033
Wood pulp			granus toll	
Chemical	adiany .uni	to not base	dorac breed	
Dry, bleached		2012   1600   14	more in appro-	
Sulphite		18,425	a say tandos	18,480
Soda and sulphate	or salas ord	24,518	Omotov anil	44,530
Dry, unbleached				
Sulphite		10,462	WHAT I	6,382
Soda and sulphate				300,00
Kraft, easy bleaching and bleachable		8,770		7,565
Other		2,412		5,639
Wet	on the Dr Dill		0.02.0300307	137 0 1/95
Sulphite		4,202	a Let restant	6,334
Soda and sulphate	may togilloss than	6,798	og Davidson i	4,641
Semi-chemical	of edges - Add	(b)	with tore tab.	770
Mechanical	Train him seq	um aliteau	infil then	tand?
Dry		866	••	5,808
Wet		17,870		16,240
Straw		460		226
Straw pulp, bleached		336	batta slav st	6
Esparto grass	1 (1)	3,206		1,174
Esparto grass pulp	h	(	tol alted 1:	1,551
Other vegetable fibres and pulp thereof	}	2,020	Thousand the same of the same	1,537
Waste paper (including newspaper over-issues)	·	14,678	reite	21,894
Linen, cotton, hemp, jute and ramie rags, not pulled		2,954	g loow to 1	2,062
Cotton waste and cotton linters		1,072	pasa to not	1,402
Other fibrous materials (including waste)		1,079		1,002
Titanium oxide		(b)	dopp parvent sales	1,393
China clay (loading and coating clays) and other	of any tent?	tol autag o	ana redro b	s spirit
loadings (c)		5,034		4,572
General chemicals (d)			T a fairman	rodin His
Inorganic (including inorganic gases)	110.1.1.21010	id to more r	a la	a naivasan
Alum	A cycle to a	1,313		1,522
Chlorine		467		407
Sodium hydroxide (caustic soda)	O P COLUMN TO STATE OF THE STAT	363	pang to tab	499
Soda ash		216	garding ba	258
Sulphuric acid		108	lines: lum	175
Other inorganic chemicals	a Tung tang iku i	DESTRUCTION OF THE OWNER.	and Macking	1,612
Organic (including organic gases)	an aregreen)	3,370	18 188 80178 (1818)	2,971
Other (eg mixtures of inorganic and organic chemicals)	inco packar ng	201234940	sol brace b	1,313
Glycerine and glycerine substitutes	da kgad bish and	193	tun giriyada	173
Rosin and rosin size (e)	velode i bi	3,627	hybling no	3,154
Casein		1,264		1,055
Dyestuffs and pigment colours	artuations. hoos	2,266	10 W. L. 195 82	2,421

Continued on next page

<sup>(</sup>b) Including some work done.

<sup>(</sup>c) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
Materials for use in production (continued)		£'000		£'000
Lime		217		80
Body paper for coating		9,695		9,613
Body board for coating		1,141		2,595
Paper and board purchased for oiling, waxing, corrugating, creping, etc		8,881	=) 2	7,057
Starch for use in paper making		(b)	bedoles	5,051
Glues and adhesives (including formulated adhesives, but excluding unformulated synthetic resins bought as such) (f)		1 965	ed al and given book	
Printers' inks		1,865	basinio les	, 1,585
Waxes		918	Ni ha	671
Bitumen		1,070	mita sahi tuga	793
	(daments	386		428
Aluminium foil	n.i.	1,145		1,194
Transparent regenerated cellulose film in sheets or rolls (g)	I HAVE THE	1,234		1,015
Plastics materials		1,201		1,010
Polyethylene and polypropylene and co-polymers			Th.cwt.	
Granules, moulding and extrusion compounds		(b)		000
Sheet, rod, film, profile shapes and monofil-		(0)	89.3	660
ament (h)		604	31.7	778
	Th.gal.		Th.gal.	
Section in the section of the section is the section of the sectio	820	193	871	244
Lubricating oils and greases	Th.cwt.		Th.cwt.	
The second secon	3.0	21 45	3.7	27
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement		40	Ultra Sen	35
Machine felts				
Of wool or wool mixtures (i)		2,016	enour bull 3	1,994
Of cotton or man-made fibres	40300 401	1,033	100011	1,342
Other		164	No. of Shiston	
Paper machine wires	Corner III		nigation was	754
Tyres and other spare parts for firms, own road		1,594		2,493
goods vehicles	1	6,480 5	a anibanta	261
Other		0,400		4,987
All other materials for use in production		8,163		9,113
Packaging materials			an ormudes 1	
Paper and board				
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	1	550	eb i zouleud	837
Fibreboard packing cases	}	770 {	46	136
Bags and multiwall paper sacks		(b)	Dies 319	30
Wrapping and packing paper (including paper coated with plastics and any laminates incorporating paper,			s simplon anihelasi	neded in
but not metal)  Paper and board for converting into packaging materials	<b> </b>	2,656 <	assymila (m. )	2,143
Other packaging materials of paper and paperboard (including moulded pulp units and labels)		orthodae - es Igus aryes	description	280 945
Timber		(		240
Containers wholly or mainly of wood (including plywood boxes and drums), baskets and wickerwork crates	wakasa.	395	rooming had	473

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
Packaging materials (continued)	Th.cu.ft.	£,000	Th.cu.ft.	£'000
Timber (continued)				
Timber (sawn or planed) for manufacture into packing cases, etc	323	154 22	378	264 84
Other wood products for packaging, including wood wool but excluding plywood for manufacture into packing cases		193		532
Plastics (other than transparent regenerated cellulose film)	tions look			
Film (up to 0.01 inches thick)				
Of polyethylene		1		23
Of other plastics materials	\ \	(b) <		
Sheets and sheeting (thicker than 0.01 inches)				4
All other packaging materials		972		807
Fuel and electricity (j)	Th. tons		Th. tons	Assessed N
Coal	3,082	16,045	2,542	12,939
Coke (including screenings) and manufactured fuel	215	1,242	135	573
	Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	2,052	386	2,235	559
Other liquid fuels (including creosote/pitch mixtures, etc and liquefied petroleum gases)	112,463 Th.therms	4,054	225,122 Th.therms	9,11
Gas	1,085	77 109	392	38
The state of the s	Th.kWh	(	Th.kWh	
Electricity	1,481,792	6,995	1,409,450	7,939 1,648
All other fuels		(p)		920
Total cost of materials and fuel		222,972		268,881
Goods purchased for merchanting	DOLFISSE PA	3,538		7,003
Canteen purchases		704		908
Total cost of purchases	-,400,000,000	227,214		276,789

- (a) For 1963 'Wood chips' were not specifically included.
- (b) Not recorded separately for 1963.
- (c) For 1963 described as 'China clay and other loadings'.
- (d) For 1963 described as 'Heavy chemicals'.
- (e) For 1963 described as 'Resin and resin size'.
- (f) For 1963 described as 'Glues and adhesives (including compound synthetic resin adhesives, but excluding synthetic resins bought as such and casein)'.
- (g) For 1963 described only as 'Transparent regenerated cellulose film'.
- (h) For 1963 foil of polyethylene and polypropylene and co-polymers and polystyrene sheet, tape, foil and foam were specifically included.
- (i) For 1963 wool mixtures were not specifically included.
- (j) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was 2,713,956 Th.kWh in 1968 and 2,422,523 Th.kWh in 1963.

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

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

The state of the s		Unit	1963	1968
Average number mainly	employed on transport	No.	1,048	1,082
Transport costs		the strip		1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Wages and salaries		£,000	971	1,273
Derv fuel and motor	spirit	"	386	559
Tyres and other span vehicles	re parts for road goods	II II	sasana ima	261
Payments to other organisations for transport	by road  by rail and other means excluding postal services	. ia	9,870	10,234
Costs of operating n	oad goods vehicles	. I Storente.	a hand to	C 1913 - 1993
Insurance		n	55	54
Vehicle licences		п	62	129
Depreciation		н	514	591
Payments to other and maintenance	organisations for repairs	o story we had	170	198
Total		п	12,028(a)	14,797

<sup>(</sup>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	
A C CALAMADA CALA	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	624	740
Road goods vehicles	170	198
Plant, machinery and other capital equipment	3,781	5,319
Insurance, licensing and depreciation of road goods vehicles (b)	631	774
Rates, excluding water rates	2,631	3,451
Hire of plant and machinery	157	392
Postage, telephone, telegrams, cables and telex (c)	552	714
Total	8,545	11,588

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

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	
facer object the ten	Per cent.	Per cent.	
1968	Section to 196		
April (a)	2.1	1.2	
May	0.5	0.2	
June	1.0	0.4	
July	0.5	0.1	
August	1.0	0.3	
September	8.3	5.2	
October	6.2	5.5	
November	0.0	0.0	
December	53.9	58.5	
1969			
January	0.5	0.1	
February	1.0	0.9	
March	24.4	27.7	
April (b)	0.5	0.0	
	100	100	

<sup>(</sup>a) From 6 April.

<sup>(</sup>b) For details see Table 11.

<sup>(</sup>c) Excluding telex for 1963.

<sup>(</sup>b) To 5 April.