CARDBOARD BOX TRADE

INTRODUCTORY

This trade comprises firms that were engaged wholly or mainly in the manufacture of boxes and cartons of paper and cardboard and fibre board packing cases.

fibre board packing cases.

Separate returns were obtained as far as possible in respect of the cardboard box departments of firms manufacturing boxes and cases for their own use. The number of returns received from such firms for 1924 was, however, less complete than for 1930 and 1935.

Table I A.—General summary

Particulars	1935	1930	1924
Value of products (Gross output)	£'000	£'000	£'000
Cost of materials, fuel and electricity used	13,920 6,868	10,751	7,155
Amount paid for work given out		5,255	3,217
Net output	34 7,018 No.	5,472 No.	3,914 No.
Average number of persons employed (excluding	110.	140.	140.
outworkers)	41,899	33,661	23,287
Net output per person employed (excluding	£	£	t
outworkers)	168	163	168
	No.	No.	No.
Number of returns	560	483	403
Number of establishments	581	504	*

^{*} Not available.

Table J B .- Firms employing not more than ten persons on the average

Particulars	1935	1930	1924
Number of returns received	No. 251	No. 281	No.
Average number of persons employed :— Males Females Total	529 981	480 1,150	236 423
Number of firms not making returns	11	50	45.

In 1924 the value of the gross output of the small firms making returns was 2.0 per cent. of the total.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establish- ments	Gross output	Net output	Number of ' persons employed (excluding out-workers)	Net output per person employed
11-24	No. 172 213 102 49 23 6 8 8	f'ooq 771 1,959 2,091 2,562 1,830 825 1,264 2,618	£'000 433 1,076 1,083 1,215 934 390 639 1,248	No. 2,905 7,504 7,299 6,719 5,396 2,063 3,351 6,662	£ 149 143 148 181 173 189 191 187
Total	581	13,920	7,018	41,899	168

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area	*	Number of establish- ments†	Gross output	.Net output	Number of persons employed (excluding out-workers)	Net output per person employed
ı	{ 1935	No. 203 170	£'000 4,842 3,559	£'000 2,570 1,942	No. 14,574 12,080	176 161
2	\ \ 1935	70 61	1,827 1,537	923 747	5,705 4,629	162 161
3	\$ 1935	22	535	247	1,994	124
	1930	18	345 1,115	176 585	3,889	117
5	{ 1930	53	559	302	2,142	141
6 7 and 11	1935	91 13	1,450 1,746	798 788	5,169 3,567	154 221 187
8	1935	15	728 230	318	1,699	159
10	1935	13	281	126	855	148
6 to 11	{ 1935	154 127	4,435 4,071	2,137 1,983	11,959 10,662	179
4	1935	6	81	37	296	127
12	1935	5	86	25	201	124
4 and 12	{ 1935	3	167 36	62 17	497 208	126 82
14	§ 1935	28	623	295	1,975	149
	1930	13	285 257	130	1,174 676	188
15 and 17	\ 1930	12	216	102	688	148
18	\ 1935	17	119	72	630 574	114
	\ 1930	10	143	73		
TOTAL	{ 1935	581	13,920	7,018	41,899 33,661	168
	\ 1930	483	10,751	5,472	33,001	103

^{*} For particulars see page xviii. † Number of returns for 1930.

Table IV .- No sub-divisions of this trade have been distinguished.

PRODUCTION

Table V.—Output of principal products

Kind of output		1935	1930		
	Quantity	Value	Entries	Quantity	Value
Boxes and cartons of paper and cardboard :—	Th. cwts.	€,000	No.	Th. cwts.	£'000
Rigid boxes (including fround boxes) Rigid boxes, delivered flat, made from material more than .028 in. thick* Folding boxes Unclassified boxes and cartons	2,589 284 2,954 307 	4,569 1,434 429 79 5,687 485 298	409 110 122 12 208 63 39	3,941	8,165 2,844
TOTAL — Boxes and cartons of paper and cardboard Fibre - board packing cases (solid and corrugated)	6,134 3,061	11,170 1,811 2,794	50	3,941 { 1,011	8,165 2,844 1,006† 195.†
TOTAL—PRINCIPAL PRODUCTS		15,775			12,210

^{*} i.e., boxes of the type used by the laundry, dry-cleaning, tailoring, costumery and millinery trades.

† So far as recorded separately.

The figures shown in the preceding table include the following output recorded by firms whose returns were made on schedules for other trades and are not, therefore, included in Table I A.

Kind of output		1935	1930		
	Quantity	Value	Entries	Quantity	Value
Boxes and cartons of paper and cardboard :-	Th. cwts.	£'000	No.	Th. cwts.	£'000
Rigid boxes (including f	136	263	34		
round boxes)		50	16		
Rigid boxes, delivered flat.					
made from material more	44	55	9	709	1,507
than .028 in. thick		2	I		430
Folding boxes	671	1,202	46		
Unclassified boxes and car-	87	169	41		
tons {		40	21)	
Total — Boxes and)					
cartons of paper and }	938	1,689		709	1,507
cardboard		92			430
Fibre - board packing cases					
(solid and corrugated)	1,100	859	4	668	663
TOTAL		2,640			2,605

Table VI.—Average values of goods produced, exported and imported

	A SELECTION OF THE PARTY OF THE	Production to the state of the			ports b.b.)	Imports (c.i.f.)	
Kind of goods	Average value		1935 as a per-	Average value		Average value	
	1935	1930	of 1930	1935	1930	1935	1930
Boxes and cartons of paper and cardboard:—	s. per cwt.	s. per cwt.	Per cent.	s. per cwt.	s. per cwt.	s. per cwt.	· s. per cwt.
Rigid boxes (including round boxes) Rigid boxes, delivered flat Folding boxes	35·3 30·2 38·5	} *		*	*	*	*
Total — Boxes and cartons of paper and cardboard Fibre - board packing	36-4	41.4	87.9	46.5	60.3	59.4	61.8
cases (solid and corrugated)	18.3	19.9	91.8	*	*	译	*

^{*} Not recorded separately.

Table VII.—Volume of Production, 1924-1935

	To	stal producti	Production index (1935 = 100)		
Kind of output	1935	1930			
	as returned	As returned	At 1935 average values	1924*	1930
Boxes and cartons of paper	£'000	£'000	£'000	Per cent.	Per cent.
and cardboard Fibre-board packing cases	12,981	11,009	9,677	} 45 {	75
Total	15,775	12,210	10,779	45	68

^{*} See introductory paragraph, page 66

Table VIII.—Production, Exports and Imports

Kind of goods	Pro- duction	Exports		Retained imports	
	Value (at factory)	Quantity	Value (f.o.b.)	Quantity	Value (c.i.f.)
Boxes and cartons of $\begin{cases} 1935 \\ paper and cardboard \end{cases}$	£'000 12,981 11,009	Th. cwts. 99.0 77.7	£'000 209 234	Th. cwts. 39.6 69.2	£'000 118 214

Table IX.—Other output of the Cardboard Box Trade

The value of the gross output of the firms whose returns were made on schedules for the Cardboard Box Trade was £13,920,000 in 1935 and £10,751,000 in 1930, of which £13,135,000 in 1935 and £9,605,000 in 1930 consisted of products included in Table V. Particulars of the remaining items are shown below.

Kind of output					19	1930	
	•				Quantity	Value	Value
Donas ka			100		Th. cwts.	£'000	£'000
Paper bags		•••		•••	123	136	89
Corrugated paper					\$ 87	76	1
					1	38	3 44
			•••			186	257
Other manufactures of paper	or car	dboa	ird			183	186
						63*	535
						55	2
Other goods made and work	done.					55 38	23
Waste sold	•	••	+			10	10
Тот	AL .					785	1,146

^{*} Amount received.

MATERIALS AND FUEL

Table X A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	193	1930			
			Quantity	Cost	Cost
Board of all kinds Fuel and electricity used for all purpose	 s :—		Th. tons 398.7	£'000 4,832	£'000
Coal			27.6 8.0 Th. galls.	33	
Heavy fuel oil			118 Th. B.T.U. (Kwhrs.)	2	> 5,255
Purchased electricity* All other purchased materials and fuel			15,875	74 1,916	
TOTAL				6,868	5,255

^{*} Including electricity generated in other works under the same ownership.

Table X B.—Consumption of coal, coke and electricity

Kind of fuel	1935	1930
Coal	Th. tons 27.6 8.0	Th. tons 15·1 3·4
Electricity:— Generated in same works	Th. B.T.U. (Kwhrs.)	Th. B.T.U. (Kwhrs.)
Generated in same works	1,082	133
Total electricity consumed	18,444	10,799

EMPLOYMENT

Table XI A.—Average numbers employed

	Males		Females		Total	
Persons employed	Under 18	All ages	Under 18	All	Under 18	All ages
Operatives (average for \$\) 1935 the year) \} 1930 Administrative, technical \$\) 1935 and clerical staff* \} 1930	1,382 1,037 104 107	9,153 7,123 2,346 1,657	9,452 7,394 270 186	28,876 23,804 1,524 1,077	10,834 8,431 374 293	38,029 30,927 3,870 2,734
TOTAL $\left\{ \begin{array}{ccc} 1935 \\ 1930 \end{array} \right.$	1,486 1,144	11,499 8,780	9,722 7,580	30,400	11,208 8,724	41,899 33,661
Average number of out- 1935 workers 1930	4 5		519 535		5 ² 3 540	

^{*} As at 12th October, 1935, and 18th October, 1930.

Table XI B.—Operatives employed in one week in each month of 1930 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid week of*					Opera empl		Monthly index†	
					1930	1935	1930	1935
January					17,494	25,610	82.0	96-3
February					17,359	25,570	81.3	96-1
March					17,254	25,615	80.8	96.3
April					17,246	25,725	80.8	96.7
May					17,326	26,050	81.2	97.9
June					17,278	26,099	80-9	98-1
July					17,136	26,347	80.3	99.0
August					17,133	26,642	80.3	100-1
September					17,276	27,373	80.0	102.9
October					17,492	28,006	81.9	105-3
November					17,712	28,207	83.0	106.0
December			•••		17,617	27,998	82.5	105.2
Average for	the twe	elve mo	nths		17,360	26,604	81.3	100.0
Proportion o	of total	opera	tives r	epre-				
sented	,				56.13	69.96		

^{*} For the ending date of each week see page XiV † Based on the estimated average for the year 1935.

Table XI C.—Average numbers employed, 1924-1935

Year				Operatives	Administrative, technical and clerical staff	Total (excluding outworkers)	
1924*				 21,519	1,768	23,287	
1930	.4.			 30,927	2,734	33,661	
1935				 38,029	3,870	41,899	

^{*} See introductory paragraph, page 66

WAGES

Table XII.-Wages paid by firms furnishing returns of wages

The aggregate amount of wages paid by firms furnishing returns of wages was £1,893,000 in 1935 representing 48.5 per cent. of the net output of these firms, the corresponding figures for 1930 being £1,639,000 and 47.7 per cent. The figures for these firms given below indicate the size of the sample and the extent to which it is representative.

Firms furnishing returns	19	35	1930*		
of wages	Aggregate	Proportion of trade	Aggregate	Proportion of trade	
	£'000	Per cent.	£'000 6,782	Per cent.	
Gross output	7,815	56·1 55·7	3,435	63.6	
Operative staff employed :— During mid-week of October :—	No.		No.		
Males Females	4,919 18,122	51·6 60·2	} †	†	
Total	23,041	58-1	18,005	58.6	
Average for the year	21,928	57.7	17,865	58.7	
Administrative, technical and clerical staff	2,196	56.7	†	t	
Number of establishments	309	53.2	•••		

^{*} Great Britain only.

COUNTRY TABLES (1935)

Note.—The figures given in the following tables relate only to firms whose returns were made on schedules for the Cardboard Box Trade.

Table I.—General summary

Particulars	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Value of products (Gross output) Cost of materials, fuel and	€'000	12,921	880	13,801	119
electricity used	,,	6,364	457	6,821	47
Amount paid for work given out	,,	33	I	34	_
Net output Average number of persons em-	"	6,524	422	6,946	72
ployed (excluding outworkers) Net output per person employed	No.	38,618	2,651	41,269	630
(excluding outworkers)	£	169	159	168	114
Number of returns	No.	504	39	543	17
Number of establishments	,,	523	41	564	17

Table II.—Output

Kind of output	Unit	England and Wales and Northern Ireland*	Scotland	United Kingdom
Boxes and cartons of paper and. cardboard:— Rigid boxes (including round boxes):—				
Quantity stated {	Th. cwts.	2,280	173	2,453
Quantity not stated Rigid boxes, delivered flat, made from material more than .028 in thick :—	£'000 £'000	3,967	339 44	4,306 1,384
Quantity stated {	Th. cwts.	212	28	240
Quantity not stated	£'000 £'000	339	35	374
(Th. cwts.	2,097	186	2,283
Folding boxes { Unclassified boxes and cartons :—	£'000	4,201	284	4,485
Quantity stated {	Th. cwts.	201	19	220
Quantity not stated	£'000 £'000	304	9	316 258
Total—Boxes and cartons of paper and cardboard:—	~			
Quantity stated {	Th. cwts.	4,790	406	5,196
Quantity not stated	£'000 £'000	8,811	670	9,481
Fibre-board packing cases (solid (Th. cwts.	1,000	53 55	1,719
and corrugated)	£'000	1,872	63	1,935
Paper bags {	Th. cwts.	42	81	123
Corrugated paper:	£'000	72	64	136
Quantity stated {	Th. cwts.	87	†	87
	£'000	75	I	76
Quantity not stated Manufactured stationery	£'000	38		38 186
Other manufactures of paper or	2 000	175	11	100
cardboard	£'000	178	5	183
Printing, engraving, etc Baskets and basketware	£'000	51‡	12‡	63‡
Other goods made and work done	£'000	55 38		55 38
Waste sold	£'000	9	1	10
Total — Value of Goods MADE AND WORK DONE	£'000	13,040	880	13,920

^{*} Owing to the possible disclosure of information relating to individual firms, the particulars for Northern Ireland have been combined with those for England and Wales. The output consisted mainly of "Boxes and cartons of paper and cardboard" (33,000 cwts. value £99,000).

[†] Not recorded separately.

[†] Less than 500. ‡ Amount received.

Table III A .- Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Board of all kinds { Fuel and electricity used for all purposes :—	Th. tons £'000.	37.2 · 4 4.488	23.8	396·2 4,805	2.5
Coal {	Th. tons	25·7 32	1.7	27.4	0.2
Coke {	Th. tons	7.8	0.2	8.0	_
Heavy fuel oil {	Th. galls.	118.	=	118	
Purchased electricity†	Th. B.T.U. (Kwhrs.)	14,632	1,139	15,771	104
All other purchased materials and fuel	£'000	1,763	134	1,897	19
Тотац	£'000	6,364	457	6,821	47

* Less than £500.
† Including electricity generated in other works under the same ownership.

Table III B.—Consumption of electricity

Table III B	Table III Bi Consumption of distributy											
Electricity consumed	England and Wales	Scotland	Great Britain	Northern Ireland								
Generated in same works Generated in other works under	Th. B.T.U. (Kwhrs.) 2,569	Th. B.T.U. (Kwhrs.)	Th. B.T.U. (Kwhrs.) 2,569	Th. B.T.U. (Kwhrs.)								
same ownership Purchased	914	168 971	1,082 14,689	104								
Total	17,201	1,139	18,340	104								

Table IV A.—Numbers employed in week ended 12th October, 1935

Demons ampleyed (evaluating	Ma	les	Fem	ales	То	tal
Persons employed (excluding outworkers)	Under 18	All ages	Under 18	All	Under 18	All ages
England and Wales :— Operatives Administrative, etc.*	1,373	8,968 2,193	8,926 250	27,418 1,396	10,299	36,386 3,589
Total	1,475	11,161	9,176	28,814	10,651	39,975
Scotland:— Operatives Administrative, etc.*	49	472	797 18	2,157 104	846 18	2,629 218
Total	49	586	815	2,261	864	2,847
Great Britain :— Operatives Administrative, etc.*	1,422	9,440 2,307	9,723 268	29,575 1,500	11,145	39,015 3,807
TOTAL	1,524	11,747	9,991	31,075	11,515	42,822
Northern Ireland:— Operatives Administrative, etc.*	20 2	102	134	55I 24	154	653 63
Total	22	. 141	136	575	158	716

* Administrative, technical and clerical staff.

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Table IV B.—Operatives employed in one week in each month of 1935

					Males and females						
Week ended				England and Wales	Scotland	Great Britain	Northern Ireland				
January 19					34,223	2,233	36,456	445			
February 16					34,157	2,273	36,430	465			
March 16					34,191	2,304	36,495	463			
April 13					34,137	2,329	36,466	484			
May 18					34,564	2,343	36,907	547			
June 15					34,474	2,395	36,869	565			
July 13					34,699	2,420	37,119	577			
August 17					34,971	2,448	37,419	615			
September 14					35,690	2,529	38,219	643			
October 12					36,386	2,629	39,015	653			
November 16					36,591	2,673	39,264	674			
December 14	•••				36,263	2,617	38,880	667			
Average for	the t	welve 1	nonths		35,029	2,433	37,462	567			

Table IV C.—Number of outworkers at two specified periods in 1935

Country		January		July		
Country	Males	Females	Total	Males	Females	Total
England and Wales	4	492	496	4	545	549

No outworkers were recorded for Scotland or Northern Ireland.

Table V.—Firms employing not more than ten persons on the average

	Particul	lars			England and Wales	Scotland	Great Britain	Northern Ireland
Number of retu	urns rece	eived			No. 240	No. 9	No. 249	No.
Average number	er of per	sons e	mploye	d :				
Males					507	16	523	6
Females					924	54	523 978	3
	Total				1,431	70	1,501	9