

CLAY AND BUILDING MATERIALS TRADES GENERAL REPORT

Table I A.—General summary

Trade	Number of establishments*	Gross output (selling value of goods made and value of work done)	Cost of materials used and amount paid for work given out	Net output (excess of col. (3) over col. (4))	Average number of persons employed	Net output per person employed	
							(1)
	No.	£'000	£'000	£'000	No.	£	
Brick and Fireclay ...	1935	1,421	27,936	8,014	19,922	92,074	216
	1930	1,279	21,697	6,354	15,343	75,629	203
	1924	1,291	20,703	6,419	14,284	68,474	209
China and Earthenware ...	1935	399	14,209	4,837	9,372	68,537	137
	1930	421	13,895	4,868	9,027	67,693	133
	1924	450	17,500	6,637	10,863	69,546	156
Glass ...	1935	327	17,209	6,649	10,560	46,201	229
	1930	313	13,713	5,420	8,293	39,571	210
	1924	268	12,080	4,975	8,005	36,891	217
Cement ...	1935	65	9,706	3,938	5,768	10,220	56
	1930	71	8,202	3,475	4,727	10,989	430
	1924	112	8,031	3,429	4,602	13,495	341
Building Materials	1935	776	15,875	7,411	8,464	32,406	261
	1930	771	14,277	6,572	7,705	30,582	252
	1924	510	9,686	3,870	5,816	20,542	283
TOTAL—UNITED KINGDOM	1935	2,988	84,935	30,849	54,086	249,438	217
	1930	2,855	71,784	26,689	45,095	224,464	201
	1924†	2,631	68,900	25,330	43,570	208,948	209
England and Wales	1935	2,700	79,655	28,930	50,725	233,267	217
	1930	2,262‡	66,889	24,780	42,109	209,043	201
	1924§	2,350	63,933	23,472	40,461	193,557	209
Scotland ...	1935	258	4,775	1,733	3,042	14,801	206
	1930	224‡	4,350	1,710	2,634	13,943	189
	1924§	226	4,536	1,703	2,833	13,932	203
Northern Ireland ...	1935	30	505	186	319	1,370	233
	1930	31‡	545	193	352	1,478	238
	1924†	55	431	155	276	1,459	189

* Number of returns for 1924.

† Including all firms in Northern Ireland.

‡ Number of returns.

§ Owing to the possible disclosure of information relating to individual firms, particulars in respect of the Cement Trade for Scotland have been included with those for England and Wales.

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

Trade	Year	Firms furnishing information			Total, including firms not furnishing returns		
		Number of returns received	Average number of persons employed		Number	Estimated number of persons employed	
			Males	Females			Total
Brick and Fireclay	1935	469	2,810	43	2,853	469	2,853
	1930	440	2,940	39	2,979	516	3,500
	1924	315	1,548	302	1,850	395	2,300
China and Earthenware ...	1935	208	855	187	1,042	209	1,050
	1930	160	630	274	904	182	1,030
	1924	101	322	140	462	141	650
Glass ...	1935	396	1,957	233	2,190	400	2,210
	1930	328	1,407	243	1,650	370	1,860
	1924	170	824	66	890	250	1,300
Cement ...	1935	15	57	1	58	16	60
	1930	18	72	4	76	18	76
	1924	21	87	8	95	21	95
Building Materials	1935	2,530	11,049	330	11,379	2,549	11,460
	1930	2,346	9,078	215	9,293	2,615	10,350
	1924	1,418	4,913	90	5,003	1,868	6,600
TOTAL—UNITED KINGDOM	1935	3,618	16,728	794	17,522	3,643	17,623
	1930	3,292	14,127	775	14,902	3,701	16,816
	1924	2,025*	7,694*	606*	8,300*	2,675	10,945
England and Wales	1935†	3,315	15,345	709	16,054	3,338	16,157
	1930†	250	1,156	73	1,229	252	1,237
Northern Ireland ...	1935†	53	227	12	239	53	239

* Great Britain only.

† Particulars for 1930 and 1924 are not available.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
11-24 ...	861	5,890	3,195	14,878	215
25-49 ...	939	11,615	7,164	33,060	217
50-99 ...	567	13,423	8,374	39,811	210
100-199 ...	369	17,596	10,931	50,708	216
200-299 ...	107	8,998	6,001	26,231	229
300-399 ...	57	5,569	3,755	19,554	192
400-499 ...	31	4,163	2,848	13,655	200
500-749 ...	35	8,658	5,466	21,633	253
750-999 ...	9	1,819	1,202	7,408	162
1,000-1,499 ...	7	2,142	1,473	8,459	174
1,500 and over ...	6	5,062	3,677	14,041	262
TOTAL ...	2,988	84,935	54,086	249,438	217

In the above Table every manufacturing or processing establishment is counted as a separate unit and a single firm may thus be included several times. In Table III the firm is taken as the unit, all establishments owned by a single firm in trades included in the Clay and Building Materials group being assembled together and counted once only. For this purpose, a "firm" includes all businesses operated under the same trading name; companies that made returns under their own name are included as separate firms although they may form part of, or be associated with, larger combinations for purposes of trading.

Table III.—Size of firms in 1935

Size of firm (average number employed)	Number of firms	Gross output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
11-24 ...	625	3,810	2,163	10,991	197
25-49 ...	677	7,945	4,908	23,802	206
50-99 ...	456	10,677	6,622	32,263	205
100-199 ...	295	13,420	8,270	40,669	203
200-299 ...	97	8,581	5,204	23,696	220
300-399 ...	55	5,412	3,456	18,622	186
400-499 ...	40	4,742	3,266	17,591	186
500-749 ...	40	7,780	4,875	24,471	199
750-999 ...	8	1,742	1,202	6,399	188
1,000-1,499 ...	15	7,130	4,413	17,928	246
1,500-1,999 ...	3	2,424	1,596	4,778	334
2,000-3,999 ...	3	4,314	2,888	8,716	331
4,000 and over ...	3	6,958	5,223	19,512	268
TOTAL ...	2,317	84,935	54,086	249,438	217

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

Area*	Number of establish- ments†	Gross output	Net output	Average number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
<i>England and Wales</i>					
1. Greater London ...	1935 453	15,708	9,262	29,706	312
	1930 361	13,644	7,980	26,915	296
2. Lancashire, Che- shire and the Glossop and New Mills District of Derbyshire ...	1935 294	10,396	6,750	28,021	241
	1930 240	9,132	5,736	26,416	217
3. West Riding of Yorkshire ...	1935 267	6,447	4,132	20,072	206
	1930 200	4,315	2,683	14,207	189
4. Northumberland, Durham and North Riding of Yorkshire ...	1935 167	3,392	2,076	10,189	204
	1930 135	2,636	1,595	8,367	191
5. Warwickshire, Worcestershire and Staffordshire	1935 630	21,372	13,706	85,534	160
	1930 553	18,695	11,882	79,598	149
6. East Midland Dis- trict ...	1935 186	4,982	3,255	15,827	206
7. West Midland Dis- trict ...	1935 75	1,617	1,047	5,671	185
8. South-Eastern District (exclud- ing Greater London) ...	1935 232	7,880	5,268	16,848	313
9. South-Western District ...	1935 143	2,073	1,365	6,961	196
10. Eastern District ...	1935 112	3,494	2,494	7,622	327
11. Cumberland and Westmorland ...	1935 12	290	168	709	237
6 to 11 ...	1935 760	20,336	13,597	53,638	253
	1930 654	16,723	11,134	48,174	237

12. South Wales (in- cluding Mon- mouthshire) ...	1935 83	1,243	710	3,260	218
	1930 74	1,100	681	3,061	222
13. The Rest of Wales	1935 46	761	492	2,847	173
	1930 45	644	418	2,305	181
Total—England and Wales ...	1935 2,700	79,655	50,725	233,267	217
	1930 2,262	66,889	42,109	209,043	201
<i>Scotland</i>					
14. West Central Dis- trict ...	1935 114	2,283	1,381	6,852	202
	1930 90	1,811	1,082	5,683	190
15. East Central Dis- trict ...	1935 72	1,637	1,086	4,759	228
16. Southern Counties	1935 18	341	235	1,259	187
17. Northern Counties	1935 54	513	340	1,931	176
Total—15 to 17...	1935 144	2,492	1,661	7,949	209
	1930 134	2,539	1,552	8,260	188
Total—Scotland ...	1935 258	4,775	3,042	14,801	206
	1930 224	4,350	2,634	13,943	189
TOTAL— Great Britain ...	1935 2,958	84,430	53,767	248,068	217
	1930 2,486	71,239	44,743	222,986	201
18. Northern Ireland	1935 30	505	319	1,370	233
	1930 31	545	352	1,478	238
TOTAL— UNITED KINGDOM	1935 2,988	84,935	54,086	249,438	217
	1930 2,517	71,784	45,095	224,464	201

* For particulars see introduction to previous volumes.
† Number of returns for 1930.

Table VI.—Volume of Production, 1924-35

Kind of output	Production index (1935=100)			
	1924	1930	1933	1934
Bricks and fireclay goods ...	64	71	77	93
China and earthenware ...	96	89	88	94
Glass and glassware ...	62	72	82 †	93 †
Cement ...	57	85	79	94
Building materials ...	55	88	80 *	93 *

* The 1935 figures have been adjusted in calculating these indices (see introductory paragraph, page 82).

† Owing to the exclusion of certain firms from the Inquiries for these years, the 1935 base figure has been adjusted in calculating these indices.

CONSUMPTION OF FUEL AND ELECTRICITY

Table VII.—Consumption of coal and coke for all purposes

Trade	Coal		Coke	
	1935	1930	1935	1930
Brick and Fireclay ...	4,636.2	3,429.0	93.3	45.6
China and Earthenware ...	1,103.2	1,054.6	73.3	45.7
Glass ...	886.7	675.6	45.2	36.2
Cement ...	1,960.1	1,726.3	20.0	22.8
Building Materials ...	103.3	103.9	50.5	48.9
TOTAL ...	8,689.5	6,989.4	282.3	199.2

Table VIII.—Consumption of heavy fuel oil in 1935

Trade	Quantity	Trade	Quantity
Brick and Fireclay ...	2,939	Cement ...	423
China and Earthenware ...	389	Building Materials ...	3,176
Glass ...	21,792		
		TOTAL ...	28,719

Table IX.—Consumption of electricity

Trade	Electricity consumed				Total
	Purchased	Generated		Total	
		In same works	In other works under same ownership		
	Million B.T.U. (Kw.-hrs.)				
Brick and Fireclay ...	1935 14.5	20.7	23.0	185.2	
	1930 71.1	25.7	13.1	109.9	
China and Earthenware ...	1935 29.5	4.2	0.8	34.5	
	1930 16.3	4.3	0.6	21.2	
Glass ...	1935 107.4	55.4	—	162.8	
	1930 69.2	67.9	—	137.1	
Cement ...	1935 394.1	163.1	18.6	575.8	
	1930 281.8	124.8	1.1	407.7	
Building Materials ...	1935 24.9	1.9	5.1	31.9	
	1930 18.2	2.6	4.0	24.8	
TOTAL ...	1935 697.4	245.3	47.5	990.2	
	1930 456.6	225.3	18.8	700.7	

EMPLOYMENT

Table X A.—Average number of persons employed by all firms

Trade		Persons employed by firms employing more than ten persons	Estimated number of persons employed by the small firms	Total
		Thous.	Thous.	Thous.
Brick and Fireclay	1935	92.1	2.8	94.9
	1930	75.6	3.5	79.1
	1924	68.5	2.3	70.8
China and Earthenware	1935	68.5	1.1	69.6
	1930	67.7	1.0	68.7
	1924	69.5	0.6	70.1
Glass	1935	46.2	2.2	48.4
	1930	39.6	1.8	41.4
	1924	36.9	1.3	38.2
Cement	1935	10.2	0.1	10.3
	1930	11.0	0.1	11.1
	1924	13.5	0.1	13.6
Building Materials	1935	32.4	11.4	43.8
	1930	30.6	10.4	41.0
	1924	20.5	6.6	27.1
TOTAL—UNITED KINGDOM	1935	249.4	17.6	267.0
	1930	224.5	16.8	241.3
	1924	208.9	10.9	219.8
England and Wales	1935	233.2	16.2	249.4
	1930	209.0	*	*
	1924	193.5	*	*
Scotland	1935	14.8	1.2	16.0
	1930	14.0	*	*
	1924	13.9	*	*
Northern Ireland	1935	1.4	0.2	1.6
	1930	1.5	*	*
	1924	1.5	*	*

*Not available.

Table X B.—Average numbers employed, 1924-35

(i) Operatives

Trade	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	
Brick and Fireclay	1935	11.1	82.3	0.7	4.2	11.8	74.7	86.5
	1930	8.7	66.4	0.7	4.5	9.4	61.5	70.9
	1924	7.9	58.3	1.0	5.7	8.9	55.1	64.0
China and Earthenware	1935	4.4	27.6	9.1	36.2	13.5	50.3	63.8
	1930	3.8	28.6	8.9	34.5	12.7	50.4	63.1
	1924	3.9	30.8	8.6	33.9	12.5	52.2	64.7
Glass	1935	4.2	33.6	2.5	7.2	6.7	34.1	40.8
	1930	3.4	29.4	1.6	5.6	5.0	30.0	35.0
	1924	4.9	28.7	1.3	4.9	6.2	27.4	33.0
Cement	1935	0.3	8.3	*	0.3	0.3	8.0	8.3
	1930	0.4	9.6	*	0.2	0.4	9.4	9.8
	1924	0.6	12.2	*	0.2	0.6	11.8	12.4
Building Materials	1935	2.2	27.8	0.1	0.4	2.3	25.9	28.2
	1930	1.9	26.9	*	0.2	1.9	25.2	27.1
	1924	1.1	18.1	0.1	0.2	1.2	17.1	18.3
TOTAL	1935	22.2	179.6	12.4	48.0	34.6	193.0	227.6
	1930	18.2	160.9	11.2	45.0	29.4	176.5	205.9
	1924	18.4	148.1	11.0	44.9	29.4	163.6	193.0

(ii) Administrative, technical and clerical staff

Trade	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
	No.	No.	No.	No.	No.	No.	No.	
Brick and Fire-clay ...	1935	299	4,779	98	853	397	5,235	5,632
	1930	362	4,035	102	714	464	4,285	4,749
	1924	470	3,950	92	567	562	3,955	4,517
China and Earthenware	1935	238	3,261	228	1,380	466	4,175	4,641
	1930	293	3,378	186	1,182	479	4,081	4,560
	1924	345	3,566	185	1,225	530	4,261	4,791
Glass ...	1935	308	3,697	300	1,686	608	4,775	5,383
	1930	239	3,252	213	1,343	452	4,143	4,595
	1924	242	2,453	145	908	387	2,974	3,361
Cement ...	1935	104	1,560	30	382	134	1,808	1,942
	1930	84	1,005	29	229	113	1,121	1,234
	1924	54	856	13	189	67	978	1,045
Building Materials	1935	246	3,487	78	747	324	3,910	4,234
	1930	261	2,946	62	555	323	3,178	3,501
	1924	157	1,879	39	356	196	2,039	2,235
TOTAL	1935	1,195	16,784	734	5,048	1,929	19,903	21,832
	1930	1,239	14,616	592	4,023	1,831	16,808	18,639
	1924	1,268	12,704	474	3,245	1,742	14,207	15,949

(iii) Total staff

Trade	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	Thous.	
Brick and Fire-clay ...	1935	11.4	87.1	0.8	5.0	12.2	79.9	92.1
	1930	9.1	70.4	0.8	5.2	9.9	65.7	75.6
	1924	8.3	62.2	1.1	6.3	9.4	59.1	68.5
China and Earthenware	1935	4.7	30.9	9.3	37.6	14.0	54.5	68.5
	1930	4.1	32.0	9.1	35.7	13.2	54.5	67.7
	1924	4.3	34.4	8.8	35.1	13.1	56.4	69.5
Glass ...	1935	4.5	37.3	2.8	8.9	7.3	38.9	46.2
	1930	3.6	32.7	1.8	6.9	5.4	34.2	39.6
	1924	5.1	31.1	1.5	5.8	6.6	30.3	36.9
Cement ...	1935	0.4	9.8	*	0.4	0.4	9.8	10.2
	1930	0.5	10.6	*	0.4	0.5	10.5	11.0
	1924	0.7	13.1	*	0.4	0.7	12.8	13.5
Building Materials	1935	2.4	31.3	0.2	1.1	2.6	29.8	32.4
	1930	2.1	29.8	0.1	0.8	2.2	28.4	30.6
	1924	1.3	20.0	0.1	0.5	1.4	19.1	20.5
TOTAL	1935	23.4	196.4	13.1	53.0	36.5	212.9	249.4
	1930	19.4	175.5	11.8	49.0	31.2	193.3	224.5
	1924	19.7	160.8	11.5	48.1	31.2	177.7	208.9

Table X C.—Summary of the average numbers employed, 1924-35

Country	Males		Females		Total			
	Under 18	Total	Under 18	Total	Under 18	18 and over	Total	
	Operatives							
England and Wales ...	1935	20.4	166.1	12.1	46.6	32.5	180.2	212.7
	1930	16.7	148.3	10.7	43.2	27.4	164.1	191.5
	1924	16.8	136.3	10.5	42.4	27.3	151.4	178.7
Scotland ...	1935	1.7	12.3	0.3	1.3	2.0	11.6	13.6
	1930	1.4	11.3	0.5	1.7	1.9	11.0	13.0
	1924	1.5	10.5	0.5	2.4	2.0	10.9	12.9
Northern Ireland	1935	0.1	1.2	*	0.1	0.1	1.2	1.3
	1930	0.1	1.3	*	0.1	0.1	1.3	1.4
	1924	0.1	1.3	*	0.1	0.1	1.3	1.4
TOTAL—United Kingdom ...	1935	22.2	179.6	12.4	48.0	34.6	193.0	227.6
	1930	18.2	160.9	11.2	45.0	29.4	176.5	205.9
	1924	18.4	148.1	11.0	44.9	29.4	163.6	193.0
Administrative, technical and clerical staff								
England and Wales ...	1935	1.2	15.8	0.6	4.7	1.8	18.7	20.5
	1930	1.1	13.8	0.6	3.7	1.7	15.8	17.5
	1924	1.3	11.9	0.4	2.9	1.7	13.1	14.8
Scotland ...	1935	*	0.9	0.1	0.3	0.1	1.1	1.2
	1930	0.1	0.7	*	0.3	0.1	0.9	1.0
	1924	*	0.7	0.1	0.3	0.1	0.9	1.0
Northern Ireland	1935	*	0.1	*	*	*	0.1	0.1
	1930	*	0.1	*	*	*	0.1	0.1
	1924	*	0.1	—	*	*	0.1	0.1
TOTAL—United Kingdom ...	1935	1.2	16.8	0.7	5.0	1.9	19.9	21.8
	1930	1.2	14.6	0.6	4.0	1.8	16.8	18.6
	1924	1.3	12.7	0.5	3.2	1.8	14.1	15.9
Total staff								
England and Wales ...	1935	21.6	181.9	12.7	51.3	34.3	198.9	233.2
	1930	17.8	162.1	11.3	46.9	29.1	179.9	209.0
	1924	18.1	148.2	10.9	45.3	29.0	164.5	193.5
Scotland ...	1935	1.7	13.2	0.4	1.6	2.1	12.7	14.8
	1930	1.5	12.0	0.5	2.0	2.0	12.0	14.0
	1924	1.5	11.2	0.6	2.7	2.1	11.8	13.9
Northern Ireland	1935	0.1	1.3	*	0.1	0.1	1.3	1.4
	1930	0.1	1.4	*	0.1	0.1	1.4	1.5
	1924	0.1	1.4	*	0.1	0.1	1.4	1.5
TOTAL—UNITED KINGDOM ...	1935	23.4	196.4	13.1	53.0	36.5	212.9	249.4
	1930	19.4	175.5	11.8	49.0	31.2	193.3	224.5
	1924	19.7	160.8	11.5	48.1	31.2	177.7	208.9

* Less than 50 persons.

Table X D.—Operatives employed in one week of each month by firm furnishing returns in respect of the twelve months ended December

Mid week of*	Operatives employed		Monthly index†			
	1930	1935	1930	1933‡	1934‡	1935
January ...	142,946	165,701	89.5	77.4	88.8	95.6
February ...	144,070	168,146	90.2	79.7	90.9	97.0
March ...	145,142	169,545	90.8	81.0	92.4	97.8
April ...	145,727	172,163	91.2	82.9	93.4	99.3
May ...	146,755	174,835	91.9	85.3	94.2	100.8
June ...	146,988	174,931	92.0	87.3	95.1	100.9
July ...	145,556	176,272	91.1	87.9	95.5	101.7
August ...	142,641	172,618	89.3	87.3	93.0	99.5
September ...	145,522	178,145	91.1	90.5	97.0	102.7
October ...	145,505	177,273	91.1	91.4	97.5	102.2
November ...	143,926	176,280	90.1	92.1	97.0	101.7
December ...	138,938	174,903	87.0	90.2	95.5	100.9
Average for the twelve months	144,476	173,401	90.4	86.1	94.2	100.0
Proportion of total operatives represented ...	70.19	76.18

* For the ending date of each week see *introduction to previous volumes*.

† Based on the estimated average for the year 1935.

‡ Exclusive of certain ~~small groups of~~ firms not covered by the Inquiries of these years. The index numbers are related to a corresponding figure for 1935.

Table XI.—Wages paid by firms furnishing returns of wages in 1935 and 1930

Trade	Average number of operatives		Net output		Wages paid	
	Number	Proportion of trade	Amount	Proportion of trade	Amount	Proportion of net output
Brick and Fireclay		Per cent.	£'000	Per cent.	£'000	Per cent.
1935	51,172	59.2	12,017	60.3	6,576	54.7
1930	46,301	65.3	10,314	67.2	6,062	58.8
China and Earthen-ware						
1935	47,670	74.6	6,944	74.1	4,131	59.5
1930	47,144	74.8	6,888	76.4	4,235	61.5
Glass						
1935	32,879	80.6	8,598	81.4	4,074	47.4
1930	23,784	68.0	5,932	71.5	3,164	53.3
Cement						
1935	6,593	79.6	4,755	82.4	1,082	22.8
1930	7,384	77.4	3,676	79.4	1,204	32.8
Building Materials						
1935	12,999	46.1	3,837	45.3	1,807	47.1
1930	13,342	49.6	3,878	50.7	2,068	53.3
TOTAL						
1935	151,313	66.5	36,151	66.8	17,670	48.9
1930	137,955	67.0	30,688	68.1	16,733	54.5