

BUILDING AND CONTRACTING TRADE

INTRODUCTORY

This trade comprises private firms engaged wholly or mainly in work of construction, alteration, repair or maintenance of buildings, highways, sewers, waterworks, harbours and canals, railways and tramways, telegraphic, telephonic or electric lines and works, gas mains and works, etc. Particulars regarding the business of firms such as constructional or electrical engineers, manufacturers of structural steel work, firms working in timber or stone, etc., who were mainly engaged in the production of goods used in the Building and Contracting Trade but who also carried out work of erection, installation, etc., have been included in the reports on the trades covering their particular products.

Building and contracting work carried out by Public Utility Services and Government Departments is dealt with in the reports on those services, which appear later in this volume. As stated in those reports the output of employees of Public Authorities was valued on a "cost" basis and thus differs from that recorded by firms in the Building and Contracting Trade.

For convenience of reference details of the main classes of work of building and construction carried out by all firms and bodies covered by the Census are given in Table V B (page 6)

Table VI dealing with the average values of goods produced and Table VIII dealing with exports and imports are not included for this trade.

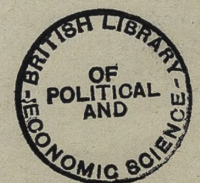
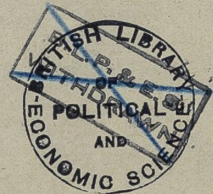
Table I A.—General summary

Particulars	1935	1930	1924
Value of work done and goods made (Gross output)	£'000	£'000	£'000
Cost of materials, fuel, and electricity used and amount paid for sub-contract work...	215,957	194,318	162,725
Net output	115,920	100,289	82,131
Average number of persons employed ...	100,037	94,029	80,594
Net output per person employed	No.	No.	No.
Number of returns	502,278	453,566	419,053
	£	£	£
	199	207	192
	No.	No.	No.
	8,919	8,550	9,968

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

Particulars	1935	1930	1924
Number of returns received	No.	No.	No.
	64,028	40,078	27,625
Average number of persons employed:—			
Males	236,071	152,340	94,247
Females	7,912	3,504	1,096
TOTAL	243,983	155,844	95,343
Number of firms not making returns	3,422	3,950	13,000

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In 1924 the value of the gross output of the small firms making returns was 16.2 per cent. of the total, the classes of work done being:—

Kind of work done	Value	Proportion of total
	£'000	Per cent.
Work on buildings:—		
Work of new construction:—		
Public buildings	360	3.9
Places of public worship and buildings connected therewith	144	7.1
Factories and workshops	351	2.8
Working class dwellings	3,426	12.8
Other buildings	3,113	6.4
Work other than of new construction:—		
Jobbing and repair work on buildings (painting, decorating, plumbing, etc.)	22,773	37.5
Electrical work (wiring, fitting, etc.) not included elsewhere	198	14.5
New work and repair work, unclassified ..	253	3.5
Total - Work on buildings ...	30,618	18.2
Other constructional work	379	1.7
Other work	69	11.6
Goods made:—		
Manufactured joinery (window frames, doors, shop fittings, etc.)	146	14.2
Other manufactures of timber	76	18.1
Other goods	71	5.9
TOTAL	31,359	16.2

TABLE II. - SIZE OF FIRMS IN 1935

Note:— Firms in this trade were not required to make returns on the basis of establishments owned.

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	3,624	21,705	11,675	63,647	183
25-49	2,650	34,402	17,516	90,774	193
50-99	1,442	39,667	19,406	98,527	197
100-199	583	35,094	16,002	79,670	201
200-299	179	19,952	9,085	43,607	208
300-399	72	12,359	5,474	25,134	218
400-499	34	6,199	2,814	14,575	193
500-749	36	11,212	4,574	21,176	216
750-999	11	4,846	2,060	9,618	214
1,000-1,499	16	9,989	3,788	19,504	194
1,500-1,999	7	7,961	2,463	12,470	198
2,000-2,499	4	4,644	1,775	8,997	197
2,500 and over	4	7,927	3,405	14,579	234
TOTAL	8,662	215,957	100,037	502,278	199

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

Area*	Number of returns	Gross output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
1 ... { 1935	2,234	84,369	37,460	172,566	217
... { 1930	1,835	73,762	35,095	144,560	243
2 ... { 1935	1,012	20,097	9,457	48,346	196
... { 1930	959	19,965	9,501	44,905	212
3 ... { 1935	620	12,948	6,016	29,188	206
... { 1930	533	9,906	4,803	23,649	203
4 ... { 1935	370	6,996	3,178	16,919	188
... { 1930	294	4,367	1,976	10,945	181
5 ... { 1935	597	16,420	7,161	36,153	198
... { 1930	537	15,128	7,014	35,432	198
6 ... 1935	429	10,963	4,871	25,137	194
7 ... 1935	211	3,592	1,834	10,486	175
8 ... 1935	971	16,509	8,392	44,925	187
9 ... 1935	510	7,140	3,752	22,244	169
10 ... 1935	404	6,405	3,155	17,777	177
11 ... 1935	53	987	360	2,189	164
Districts unclassified 1935	87	6,572	2,953	11,576	255
6 to 11... { 1935	2,665	52,168	25,317	134,334	188
... { 1930	3,014	51,015	25,509	136,682	187
12 ... { 1935	154	3,048	1,479	7,285	203
... { 1930	137	1,959	967	5,314	182
13 ... { 1935	67	1,095	525	2,925	180
... { 1930	69	914	421	2,594	162
14 ... { 1935	442	7,660	3,853	21,873	176
... { 1930	392	7,031	3,411	18,379	186
15 ... 1935	333	4,715	2,390	14,120	169
16 ... 1935	91	895	454	2,822	161
17 ... 1935	149	1,885	1,043	5,689	183
Districts unclassified 1935	23	1,171	546	2,749	199
15 to 17... { 1935	596	8,666	4,433	25,380	175
... { 1930	564	7,231	3,870	22,078	175
18 ... { 1935	162	2,490	1,158	7,309	158
... { 1930	216	3,040	1,462	9,028	162
TOTAL ... { 1935	8,919	215,957	100,937	502,278	199
... { 1930	8,550	194,318	94,029	453,566	207

* For particulars see introduction to previous volumes.

It was not found possible to obtain separate area particulars from all firms in this trade, and, in each year returns covering the whole business of those firms were accepted in a large number of cases, being assigned to the areas in which the head offices were situated. The decision to distinguish areas 6 to 11 and 15 to 17 separately was not made until after the schedules for the 1935 census had been issued; accordingly, a number of firms who were unable to give particulars of the work done by them in different areas, furnished returns in accordance with the classification of 1930, when those areas were combined as "the rest of England" and "the rest of Scotland" respectively. The particulars given in these returns are shown in the preceding table under the heading of "Districts unclassified"

Table IV.—Sub-divisions of the industry

Group	Number of returns	Gross output	Value of characteristic output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	£'000	No.	£
Construction of buildings—						
{ 1935	4,927	152,494	108,817	65,312	331,918	197
{ 1930	4,754	137,098	110,978	61,450	299,500	205
Repair and maintenance of buildings—						
{ 1935	2,178	18,967	16,021	11,585	62,689	185
{ 1930	2,909	26,192	21,307	15,785	82,106	192
Shop and office fitting—						
{ 1935	135	5,270	4,243	2,799	11,707	239
{ 1930	97	4,119	3,769	2,325	8,794	264
Work on highways { 1935	148	5,223	4,148	2,577	12,374	208
{ 1930	149	7,803	6,342	3,984	16,726	238
All other work (except sub-contract work)—						
{ 1935	479	14,079	...	7,776	36,149	215
{ 1930	309	11,099	...	6,355	29,231	217
Sub-contract work ... { 1935	1,052	19,924	16,427	9,988	47,441	211
{ 1930	332	8,007	6,952	4,130	17,209	240
TOTAL ... { 1935	8,919	215,957	...	100,937	502,278	199
{ 1930	8,550	194,318	...	94,029	453,566	207

PRODUCTION

Table V A.—Building and contracting work done

Kind of work done	1935		1930
	Value	Entries	Value
Work on buildings :—	£'000	No.	£'000
Work of new construction (including enlargement of existing buildings) :—			
Private residential premises :—			
Erected with the aid of public funds :—			
Flats and tenements :—			
Combined with shops ...	344	69	18,426
Other flats and tenements ...	3,279	196	
Other houses ...	16,519	677	
Erected without the aid of public funds :—			
Flats and tenements :—			
Combined with shops ...	4,638	613	55,922
Other flats and tenements ...	7,431	447	
Other houses ...	44,028	4,073	
Other shops, offices, hotels and business premises (including warehouses not attached to factories) ...	15,074	1,863	
Private residential premises, unclassified...	1,314	121	
Total—Private residential premises, shops, offices, etc. ...	86,627	...	74,348

Factories and workshops (including electric power stations, gasworks, etc.) and warehouses attached thereto ...	17,837	1,559	14,066
Public buildings (buildings owned by Government, Local or other Public Authorities, except dwellings, factories & schools) ...	3,885	7,223	17,024
Schools and college buildings owned by Government, Local or other Public Authorities ...	4,209	781	
Places of public worship and buildings connected therewith ...	1,527	768	2,395
Places of entertainment (theatres, cinemas, etc.) ...	3,482	482	4,104
Greenhouses and other horticultural buildings ...	327	557	320
Exhibition stands and similar temporary structures* ...	246	38	125
Schools and college buildings (other than those owned by Government, Local or other Public Authorities) ...	1,546	404	2,837
Hospitals* ...	1,593	146	
Garages* ...	381	375	2,837
Aeroplane sheds* ...	219	13	
Farm buildings* ...	264	245	2,837
Pithead baths* ...	107	9	
Other buildings ...	1,447	159	1,546
Total—Work of new construction ...	128,697	...	115,819
Other than new construction:—			
Repair or maintenance work of all kinds on existing buildings, such as painting, decorating, plumbing, heating, lighting, carpentry work, etc. ...	32,462	6,689	35,720
Electrical work (wiring, fitting, etc., not included above) ...	2,473	775	1,349
Demolition work, not included above ...	303	395	131
Conversion of houses to flats* ...	74	27	†
Shop and office fitting ...	4,815	291	5,413
New work and repair work, unclassified ...	3,989	...	2,425
TOTAL—Work on buildings ...	172,873	...	160,857
Other work:—	£'000	No.	£'000
Construction, alteration, repair or maintenance of:—			
Railways and light railways (permanent way, tunnels, bridges, etc.) ...	732	86	1,622
Tramways, including trackless trolleys (permanent way, overhead wires, etc.) ...	3	5	179
Highways (roads, bridges, footpaths, surface drains, etc.) ...	7,702	708	9,409
Tunnelling, other than railway tunnels* ...	225	2	†
Recreation or sports grounds (tennis courts, bowling greens, etc.) ...	806	308	632
Sewers and sewage disposal works ...	4,427	474	3,410
Harbours, wharves, docks, and piers ...	1,221	79	1,587
Canals and waterways ...	181	33	47
Sea walls and embankments ...	326	55	301
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works) ...	2,283	302	2,118
Gas mains and works ...	595	76	908
Telegraphic and telephonic lines and works ...	719	93	530
Electric lines and works ...	758	86	803
Electrical repair and maintenance work, unclassified ...	—	—	99
Swimming pools* ...	189	35	404
Other works, ...	1,056	181	
TOTAL—Other contracting work ...	21,223	...	22,051
Work of all kinds done for other contractors:—			
Work on buildings ...	18,445	1,857	9,309
Other work ...	585	240	
TOTAL—Building and contracting work	213,126	...	192,217

* So far as recorded separately.

† Not recorded separately.

Work done by the small firms.— Firms employing not more than ten persons numbered 67,450 in 1935 and 44,028 in 1930 (see Table I B). The following are estimates of the total number of persons employed and the total value of the work done by those firms —

Small firms	1935	1930
Number of persons employed (000's)	255	163
Value of work done (£'000)	83,000	55,000

An analysis both of the few returns made by firms employing ten persons or under and of those made by firms employing just over ten persons shows that the value of work done on sub-contracts by the small firms may have been about £2 million, and this can be assumed to be duplicated in the output of other building firms.

Firms were exempted from making a full return at the Fifth Census of Production (1935) if they did not employ more than ten persons on the average during 1934 (including the head of the firm and clerical staff). While this provision did not materially affect the results of the Census for the great majority of trades, there is an addition to be made to the recorded output of the Building and Contracting Trade to cover the expansion in employment of these firms. The increase in the estimated number of insured persons employed in the Building industry between June 1934 and June 1935 was between 6 and 7 per cent., according to the index numbers published by the Ministry of Labour. Assuming a rise in much the same proportion in the number of persons employed by the small firms, the estimated output would be raised by about £5 million.

The total net addition to be made to the recorded output of the large firms is accordingly £86 million.

At the 1924 Census, 70 per cent. of the total output of the small firms consisted of jobbing and repair work on buildings, 28 per cent. of work of new building construction and 2 per cent. of other work. Between 1924 and 1935 the number of persons employed by the small firms increased by about 90 per cent., compared with only 20 per cent. for the firms employing more than ten persons, and it appears evident that the small firms shared in the great increase in new house building between these two years. The investigations mentioned above are not inconsistent with an estimate of £35 million for work of new building construction, this representing about 40 per cent. of the total output of these firms, as against 28 per cent. in 1924.

Value of all building and contracting work done in 1935.—

The following estimates, which cover work done both by private firms and by public authorities, are based on returns made at the 1935 Census, with the addition of the sums estimated in previous paragraphs in respect of goods made and used by contractors and the output of small firms in the building and contracting trade; a further addition of between £1 million and £2 million must also be made in respect of the output of small firms in other trades.

	£ million
Work on buildings:—	
New construction (including shop and office fitting)	190
Repair and maintenance work	95
Other contracting work	141
Total	426

Other than new construction :—				
Repair or maintenance work of all kinds on existing buildings, such as painting, decorating, plumbing, heating, lighting, carpentry work, etc. ...	32,536	60	8,051	40,647
Electrical work (wiring, fitting, etc., not included above) ...	2,473	—	—	2,473
Demolition work, not included above ...	363	—	1	364
Shop and office fitting ...	4,815	19	—	4,834
New work and repair work, unclassified ...	3,089	1,693	—	5,682
TOTAL—Work on buildings ...	172,873	6,684	15,072	194,629
Construction, alteration, repair or maintenance of :—				
Railways and light railways (permanent way, tunnels, bridges, etc.)	732	164	18,036	18,932
Tramways, including trackless trolleys (permanent way, overhead wires, etc.) ...	3	—	2,109	2,112
Highways (roads, including wood paving, bridges, footpaths, surface drains, etc.) ...	7,702	2,129	36,713	46,544
Recreation or sports ground (tennis courts, bowling greens, etc.) ...	806	31	1,733	2,570
Sewers and sewage disposal works	4,427	21	2,128	6,576
Harbours, wharves, docks, and piers ...	1,221	167	1,853	3,241
Canals and waterways ...	181	202	1,278	1,661
Sea walls and embankments ...	326	—	572	898
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works) ...	2,283	214	4,484	6,981
Gas mains and works ...	595	969	3,655	5,219
Telegraphic and telephonic lines and works ...	719	780	11,861	13,360
Electric lines and works ...	758	1,953	15,200	17,911
Other electrical contract work ...	—	553	—	553
Other work ...	1,470	2,510	1,508	5,488
Goods made and used by firms in carrying out contracts ...	—	15,266†	10	15,276
TOTAL—BUILDING AND CONTRACTING WORK ...	194,096	31,643	116,212	341,951
Work of all kinds done for other contractors :—				
Work on buildings ...	18,445	4,987	—	23,432
Other work ...	585	1,297	—	1,882

* The output recorded in this column has been already included as part of the "principal products" of other trades, except for the following items :—

Kind of work done	Value
Work on buildings :—	£'000
Work of new construction ...	77
Repair and maintenance work on existing buildings ...	60
Shop and office fitting ...	19
New work and repair work, unclassified ...	919
Work on highways ...	386
Work on sewers ...	21
Other work ...	121
Total ...	1,603
Work of all kinds done for other contractors ...	395

† This figure includes the value of goods made and used by firms in carrying out sub-contract work.

Table V C.—Main contract and sub-contract work in 1935 (private firms)

The following table shows the value of contract work carried out by firms in all trades in 1935, with separate figures for main contract and sub-contract work.

Trade	Value of work done	
	Main contract work	Sub-contract work
Building and Contracting ...	£'000	£'000
Constructional Engineering ...	194,096	19,030
Electrical Engineering ...	15,093	5,375
Building Materials ...	8,808	850
Glass ...	2,424	2,063
Timber ...	656	—
Other Trades ...	264	346
	1,298	750
Total ...	222,639	28,414

It may be assumed that substantially all sub-contract work was carried out for firms that made returns as main contractors and that the total value of the sub-contract work (£28,414,000) is included in that of the main contract work. The bulk of the sub-contract work was probably done for main contractors that made returns on schedules for the Building and Contracting Trade and duplication between the amounts returned by all other trades under these two headings may be estimated at not more than £400,000.

The figures in the above table include the value of all materials manufactured by contractors and used in their work, the value of these materials, where recorded separately, being distributed *pro rata* between main contract and sub-contract work. The total value of the goods so recorded was £15,266,000.

Table V B.—Total value of work of construction, repair and maintenance recorded in 1935 by private firms, Public Utility Services and Government Departments.

The figures given in the preceding table relate only to firms whose returns were made on schedules for the Building and Contracting Trade. In the following table all particulars of building and contracting work recorded for 1935 are shown, whether done by private firms or by public bodies. The values shown for private firms represent net selling values or the total amounts received for the work, but work done by public organisations was returned at cost, i.e., sums covering the cost of labour and materials, and overhead charges.

The sum of £15,266,000 shown against the heading "Goods made and used by firms in carrying out contracts" is the aggregate of the amounts recorded by firms in the Constructional Engineering Trade, the Electrical Engineering Trade, the Iron and Steel (Smelting and Rolling) Trade and a few other iron and steel working trades. Firms in these trades were instructed to record the value of their contracting work less that of any goods which they manufactured and used in the work, the value of those goods being returned separately. The figures given in the column headed "Other trades" for specific classes of work consequently fall short of the total net selling values to the extent of this sum.

Comparable figures for 1930 cannot be given as firms in other trades were not required to distinguish sub-contract work separately nor was any separate record obtained of the value of goods made and used by firms in their own work.

Kind of work done	Private firms		Public Utility Undertakings	Total
	Building and Contracting Trade	Other Trades*		
Work on buildings:—	£'000	£'000	£'000	£'000
Work of new construction (including enlargement of existing buildings):—				
Private residential premises:—				
Erected with the aid of public funds:—				
Flats and tenements	3,623	—	690	4,313
Other houses	10,519	—	1,888	12,407
Erected without the aid of public funds:—				
Flats and tenements	12,069	—	—	12,069
Other houses	44,028	—	—	44,028
Other shops, offices, hotels and business premises (including warehouses not attached to factories)	15,074	589	21	15,684
Private residential premises, unclassified	1,314	164	—	1,478
Total -- Private residential premises including shops, offices, etc.	86,627	753	2,509	89,970
Factories and workshops (including electric power stations, gas works, etc.), and warehouses attached thereto	17,837	2,622	657	21,116
Public buildings (buildings owned by Government, Local or other Public Authorities, except dwellings, factories or schools)	8,885	239	209	9,123
Schools and college buildings owned by Government, Local or other Public Authorities	4,209	130	94	4,433
Places of public worship and buildings connected therewith	1,527	19	—	1,546
Places of entertainment (theatres, cinemas, etc.)	3,482	119	—	3,601
Schools and college buildings (other than those owned by Government, Local or other Public Authorities)	1,546	—	—	1,546
Other buildings	4,584	1,030	3,371	8,985
Total—Work of new construction	128,697	4,912	7,020	140,629

Table VII.—Volume of Production, 1924-1935.

Output	1924	1930	1935
Value of output as returned †	£'000 161,774	£'000 193,885	£'000 215,124
Estimated value at 1935 prices*	140,000	182,000	215,124
Volume of production as a percentage of 1935	Per cent. 65	Per cent. 85	Per cent. 100

* In the absence of quantitative particulars, these estimates are based on prices of materials used and other costs.

† These figures include the output mentioned in footnote * to table VB as well as the output in the Building Trade.

Table IX.—Other output of the Building and Contracting Trade

The value of the gross output of the firms whose returns were made on schedules for the Building and Contracting Trade was £215,957,000 in 1935 and £194,318,000 in 1930, of which £213,126,000 in 1935 and £192,217,000 in 1930 was in respect of work covered by Table V A. Particulars of the remaining items are shown below.

Kind of output	1935	1930
Goods made by building and contracting firms and not used by them in the work entered in Table V A:—	£'000	£'000
Manufactured joinery:—		
Doors of a height and width not less than 6 feet and 2 feet respectively	89	
Other doors	24	
Fittings for shops, offices, churches, etc.	240	
Other manufactured joinery	582	
Wood paving blocks	91	52
Coffins	126	58
Wooden crates, boxes, etc.	62	60
Sawmill products (including staves, barrel ends and other parts of barrels, casks, etc.)	56	35
Portable garages, portable poultry houses and other portable buildings	72	87
Furniture and cabinet ware	115	117
Manufactures of timber, not specified above	48	97
Bricks of brick-earth or clay	49	18
Mortar	67	30
Artificial stone, concrete blocks, slabs, etc.	98	89
Road-making materials (tar macadam, crushed stone, slag, clinker, etc.)	135	108
Monumental and architectural masonry	50	26
Heating and ventilating apparatus	4	5
Electrical goods	30	15
Other manufactures of metal	132	49
Signs and signwriting	112	
Other products	85	
Total—Goods made,	2,267	1,984
Electricity sold	61	—
Work done:—	Amount received	Amount received
Repair and maintenance work on machinery	22	21
New and repair work on ships, boats, etc.	406	46*
Other work	75	50
Total—Work done	503	117
TOTAL	2,831	2,101

* So far as recorded separately

11
MATERIALS AND FUEL

Table X A. - Materials, fuel and electricity purchased and used and amount paid for sub-contract work

Kind of materials, etc.	1935		1930
	Quantity	Cost	Cost
Materials used*:-	Millions	£'000	£'000
Bricks	3,329.3	7,455	100,289
Cement	1,774.7	3,686	
Timber:-	Th.cub.ft.		
Hard	3,923.9	845	
	...	519	
Soft	857.7	4,663	
	...	2,198	
	Th.loads		
Steel used for reinforcement ...	93.5	856	
	...	163	
Other structural iron and steel	180.8	1,938	
	...	596	
Fuel and electricity used for all purposes:-			
Coal	150.	204	
Coke	51.	82	
Heavy fuel oil	2,200	56	
	Th.galls.		
	Th.B.T.U.		
	(Kw.-hrs.)		
Purchased electricity†	109,400	357	
All other purchased materials and fuel and amount paid for sub-contract work	...	67,439	
Unclassified materials and amount paid for sub-contract work	24,863	
TOTAL	115,920	100,289

* So far as recorded separately.

† 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 150	Th.tons 141.5
Coke	51	33.0
Electricity:-	Th.B.T.U. (Kw.-hrs.)	Th.B.T.U. (Kw.-hrs.)
Generated in same works	9,500	3,299
Generated in other works under same ownership	400	145
Purchased	109,000	39,816
Total electricity consumed	118,900	43,260

Note. The figures for 1935 have been partly estimated and should be regarded as approximate only.

12
EMPLOYMENT

Table XI A.—Average numbers employed

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
Operatives (average for the year)	1935 30,678	461,036	128	723	30,806	461,759
	1930 25,313	418,216	76	608	25,389	418,824
Administrative, technical and clerical staff*	1935 2,105	32,442	1,065	8,077	3,170	40,519
	1930 1,922	28,186	951	6,556	2,873	34,742
TOTAL	1935 32,783	493,478	1,193	8,800	33,976	502,278
	1930 27,235	446,402	1,027	7,164	28,262	453,566

* 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*	Operatives employed		Monthly index†	
	1930	1935	1930	1935
January	257,887	284,043	83.8	88.6
February	264,728	282,247	86.0	88.0
March	271,048	295,598	88.1	92.2
April	282,310	321,212	91.8	100.2
May	287,909	328,599	93.6	102.5
June	290,644	324,610	94.5	101.2
July	289,251	331,949	94.0	103.5
August	295,829	341,969	96.1	106.6
September	294,560	343,828	95.7	107.2
October	283,119	339,872	92.0	106.0
November	271,768	324,592	88.3	101.2
December	260,060	329,790	84.5	102.7
Average for the twelve months ...	279,093	320,651	90.7	100.0
Proportion of total operatives represented	66.64	69.44

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

† 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
1924	387,009	32,044	419,053
1930	418,824	34,742	453,566
1935	461,759	40,519	502,278

WAGES

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

The aggregate amount of wages paid by firms furnishing returns of wages was £34,833,000 in 1935 representing 68.4 per cent. of the net output of these firms, the corresponding figures for 1930 being £38,757,000 and 70.3 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 of wages	1935		1930	
	Aggregate	Proportion of trade	Aggregate	Proportion of trade
Gross output... ..	£'000	Per cent.	£'000	Per cent.
Net output	107,358	49.7	114,736	59.1
	50,915	50.9	55,099	58.6
Operative staff employed :—	No.		No.	
During mid-week of October :—				
Males	245,423	51.0	*	*
Females	376	49.9		
Total	245,799	51.0	254,470	59.9
Average for the year	234,399	50.8	251,070	60.0
Administrative, technical and clerical staff	21,098	52.1	*	*
Number of firms	5,021	55.8

* Not recorded separately.

COUNTRY TABLES (1935)

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

Table I.—General summary

Particulars	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Value of products (Gross output)	£'000	197,141	16,326	213,467	2,490
Cost of materials, fuel and electricity used and amount paid for sub-contract work ...	"	106,548	8,040	114,588	1,332
Net output	"	90,593	8,286	98,879	1,158
Average number of persons employed	No.	447,716	47,253	494,969	7,309
Net output per person employed	£	202	175	200	158
Number of returns	No.	7,719	1,038	8,757	162

Table II.—Output

Kind of output	England and Wales	Scotland	Great Britain	Northern Ireland
	£'000	£'000	£'000	£'000
Work on buildings :—				
Work of new construction (including enlargement of existing buildings) :—				
Private residential premises :—				
Erected with the aid of public funds :—				
Flats and tenements :—				
Combined with shops	279*	65	344*	*
Other flats and tenements ...	2,273*	1,006	3,279*	*
Other houses	9,143	1,012	10,155	364
Erected without the aid of public funds :—				
Flats and tenements :—				
Combined with shops	4,548*	90	4,638*	*
Other flats and tenements ...	7,215*	216	7,431*	*
Other houses	41,376	2,099	43,475	553
Other shops, offices, hotels and business premises (including warehouses not attached to factories)	14,282	742	15,024	50
Private residential premises, unclassified	1,000	314	1,314	—
Total—Private residential premises, including shops, offices, etc.	80,040	5,544	85,584	1,043
Factories and workshops (including electric power stations, gasworks, etc.) and warehouses attached thereto	16,616	1,132	17,748	89
Public buildings (buildings owned by Government, Local or other Public Authorities, except dwellings, factories or schools)	7,904	675	8,579	306
Schools and college buildings owned by Government, Local or other Public Authorities	3,618	449	4,067	142
Places of public worship and buildings connected therewith	1,354	140	1,494	33
Places of entertainment (theatres, cinemas, etc.)	3,218	199	3,417	65
Greenhouses and other horticultural buildings	266*	61	327*	*
Exhibition stands and similar temporary structures†	†	†	246	—
Schools and college buildings (other than those owned by Government, Local or other Public Authorities)	1,487	51	1,538	8
Hospitals†	1,498	95	1,593	—
Garages†	329	48	377	4
Aeroplane sheds †	219*	—	219*	*
Farm buildings †	222	42	264	—
Pithead baths†	†	†	107	—
Other buildings	1,327	115	1,442	5
Total—Work of new construction†	118,435	8,563	126,998	1,699
Other than new construction :—				
Repair or maintenance work of all kinds on existing buildings, such as painting, decorating, plumbing, heating, lighting, carpentry work, etc. ...	29,667	2,480	32,147	315
Electrical work (wiring, fitting, etc., not included above)	2,115	331	2,446	27
Demolition work, not included above	337	24	361	2
Conversion of houses to flats† ...	74	—	74	—
Shop and office fitting	4,504	277	4,781	34
New work and repair work, unclassified	3,686	303	3,989	—
TOTAL—Work on buildings	158,818	11,978	170,796	2,077

Goods made by building and contracting firms and not used by them in the work entered in the preceding table:—

Manufactured joinery:—				
Doors of a height and width not less than 6 feet and 2 feet respectively	68	21	89	§
Other doors	19	5	24	§
Fittings for shops, offices, churches, etc.	215	25	240	§
Other manufactured joinery	547	32	579	3
Wood paving blocks	91	—	91	—
Coffins	123	2	125	1
Wooden crates, boxes, etc.	48	14	62	§
Sawmill products (including staves, barrel ends and other parts of barrels, casks, etc.)	49	7	56	§
Portable garages, portable poultry houses and other portable buildings	64	7	71	1
Furniture and cabinet ware	111	3	114	1
Manufactures of timber, not specified above	46	2	48	—
Bricks of brick-earth or clay	41	6	47	2
Mortar	57	§	57	10
Artificial stone, concrete blocks, slabs, etc.	59	37	96	2
Road-making materials (tar macadam, crushed stone, slag, clinker, etc.)	124	7	131	4
Monumental and architectural masonry	43	7	50	—
Heating and ventilating apparatus	4	—	4	—
Electrical goods	30	—	30	—
Other manufactures of metal	131	1	132	—
Signs and signwriting	112	—	112	—
Other products	71	2	73	12
Total—Goods made, etc.	2,053	178	2,231	36
Electricity sold	61	—	61	—
	(11,541 Th. B.T.U.)		(11,541 Th. B.T.U.)	
TOTAL—WORK DONE AND VALUE OF GOODS MADE	197,141	16,326	213,467	2,490

* Particulars of the small output in Northern Ireland which cannot be published separately are included with those for England and Wales. and are therefore

† So far as recorded separately.

‡ Owing to the possible disclosure of information relating to individual firms, separate particulars cannot be given.

§ Less than £500.

Kind of output	England and Wales	Scotland	Great Britain	Northern Ireland
	£'000	£'000	£'000	£'000
Other contracting work:—				
Construction, alteration, repair or maintenance of:—				
Railways and light railways (permanent way, tunnels, bridges, etc.) ...	693	39	732	—
Tramways, including trackless trolleys (permanent way, overhead wires, etc.)	†	†	3	—
Highways (roads—including wood paving—bridges, footpaths, surface drains, etc.)	6,987	573	7,560	142
Tunnelling, other than railway tunnels†	†	†	225	—
Recreation or sports grounds (tennis courts, bowling greens, etc.) ...	756	50	806	*
Sewers and sewage disposal works ...	4,172	207	4,379	48
Harbours, wharves, docks, and piers	1,185	36	1,221	*
Canals and waterways	123	—	123	58
Sea walls and embankments	310	11	321	5
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works) ...	1,905	343	2,248	35
Gas mains and works	591	3	594	1
Telegraphic and telephonic lines and works	689	28	717	2
Electric lines and works	†	†	750	8
Swimming pools†	188	1	189	—
Other works,	955	96	1,051	5
TOTAL—Other contracting work ...	19,181	1,737	20,918	305
Work of all kinds done for other contractors:—				
Work on buildings	16,057	2,333	18,390	55
Other work	546	39	585	§
TOTAL—Building and contracting work	194,602	16,087	210,689	2,437
Other work done:—				
Repair and maintenance work on machinery	22	—	22	—
New and repair work on ships, boats, etc.	342	47	389	17
Other work	61	14	75	—
TOTAL—Work done	425	61	486	17

Table III A. - Materials, fuel and electricity purchased and used and amount paid for sub-contract work

Kind of materials, etc.	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Materials Used * :-					
Bricks	Millions	2,978.1	298.0	3,276.1	53.2
	£'000	6,615	667	7,282	173
Cement	Th. tons	1,545.9	192.0	1,737.9	36.8
	£'000	3,167	431	3,598	88
Timber:-					
Hard:-					
Quantity stated ..	Th. cub.ft.	3,691.4	232.5	3,923.9	-
	£'000	778	67	845	-
Quantity not stated ...	£'000	447	56	503	16
Soft:-					
Quantity stated ..	Th. loads	798.9	58.8	857.7	-
	£'000	4,296	367	4,663	-
Quantity not stated ...	£'000	1,731	311	2,042	156
Steel used for reinforcement:-					
Quantity stated ..	Th. tons	83.0	10.5	93.5	-
	£'000	762	94	856	-
Quantity not stated ...	£'000	137	8	145	18
Other structural iron and steel:-					
Quantity stated ..	Th. tons	170.3	10.5	180.8	-
	£'000	1,841	97	1,938	-
Quantity not stated ...	£'000	536	27	563	33
Fuel and electricity used for all purposes:-					
Coal	Th. tons	118	26	144	6
	£'000	161	35	196	8
Coke	Th. tons	49	2	51	4
	£'000	78	3	81	1
Heavy fuel oil ...	Th. galls	1,599	297	1,896	304
	£'000	43	8	51	5
Purchased electricity †	Th. B.T.U. (Kw.-hrs.)	88,400	20,600	109,000	4,000
	£'000	287	67	354	3
All other purchased materials and fuel and amount paid for sub-contract work					
	£'000	62,079	4,529	66,608	831
Unclassified materials and amount paid for sub-contract work					
	£'000	23,590	1,273	24,863	-
TOTAL	£'000	106,548	8,040	114,588	1,332

* So far as recorded separately.

† Including electricity generated in other works under the same ownership.

‡ Less than 500 tons.

Table III B. - Consumption of electricity

Electricity consumed	England and Wales	Scotland	Great Britain	Northern Ireland
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works ...	9,251	174	9,425	75
Generated in other works under same ownership ...	400	-	400	-
Purchased	88,000	20,600	108,600	400
Total	97,651	20,774	118,425	475

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

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales :-						
Operatives	27,169	428,728	106	623	27,275	429,351
Administrative, etc.*...	1,981	29,407	837	6,515	2,818	35,922
Total	29,150	458,135	943	7,138	30,093	465,273
Scotland :-						
Operatives	4,339	44,740	27	123	4,366	44,863
Administrative, etc.*...	107	2,628	213	1,428	320	4,056
Total	4,446	47,368	240	1,551	4,686	48,919
Great Britain :-						
Operatives	31,508	473,468	133	746	31,641	474,214
Administrative, etc.*...	2,088	32,035	1,050	7,943	3,138	39,978
TOTAL	33,596	505,503	1,183	8,689	34,779	514,192
Northern Ireland :-						
Operatives	489	7,397	-	8	489	7,405
Administrative, etc.*...	17	407	15	134	32	541
Total	506	7,804	15	142	521	7,946

* Administrative, technical and clerical staff.

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

Week ended	Males and females			
	England and Wales	Scotland	Great Britain	Northern Ireland
January 19	376,480	38,271	414,751	5,878
February 16	365,157	39,572	404,729	6,026
March 16	395,159	41,445	436,604	6,213
April 13	414,036	43,075	457,111	6,249
May 18	413,070	44,377	457,447	6,457
June 15	409,685	44,444	454,129	6,854
July 13	426,529	44,689	471,218	6,926
August 17	429,251	45,152	474,403	7,254
September 14	431,479	45,552	477,031	7,368
October 12	429,351	44,863	474,214	7,405
November 16	428,903	44,002	472,905	7,379
December 14	422,428	42,917	465,345	7,212
Average for the twelve months ...	411,794	43,197	454,991	6,768

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

Particulars	England and Wales	Scotland	Great Britain	Northern Ireland
	No.	No.	No.	No.
Number of returns received	62,407	949	63,356	672
Average number of persons employed :-				
Males	227,888	5,476	233,364	2,707
Females	7,365	464	7,829	83
Total	235,253	5,940	241,193	2,790