



BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 12

Trade A

BUILDING AND CONTRACTING



*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

LONDON: HER MAJESTY'S STATIONERY OFFICE

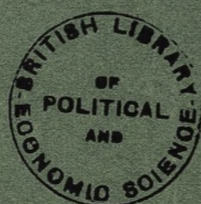
1956

TWO SHILLINGS NET

LIST OF TABLES

Table No.	Title	Page
1	Summary: Larger establishments	12/A/2 & 31
2	Summary: Small firms	12/A/3 & 31
3	Estimated average employment: All firms	12/A/4 & 32
4	Analysis by size, 1951: Larger establishments	12/A/4 & 32
5	Analysis by standard region, 1951: Larger establishments	12/A/5 & 32
6	Analysis according to specialisation within the trade, 1951: Larger establishments	12/A/5 & 33
7	Total make of intermediate products: Larger establishments	* & *
8 or 8(i)	Sales of the principal products of the trade, including sales of these products by establishments classified to other trades: Larger establishments	12/A/6 & 33
8(ii)	Total sales by small firms in Great Britain	12/A/14 & 35
9	Sales of principal products of the trade by establishments classified to other trades: Larger establishments	* & *
10	Sales in the trade of other than principal products: Larger establishments	12/A/14 & 35
11	Production, exports and imports of certain principal products	* & *
12	Usage of certain specified purchased materials, 1951: Larger establishments	12/A/16 & 36
13	Employment in September: Larger establishments	12/A/17 & 36
14	Average employment: Larger establishments	12/A/19 & 36
15	Shift working, 1951: Larger establishments in Great Britain	12/A/19 & 36
16	Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments	12/A/19 & 37
17	Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments	12/A/20 & 37
<u>Country tables, 1951</u>		
18	Summary: Larger establishments	12/A/21 & 37
19	Summary: Small firms in Great Britain	12/A/22 & 38
20 or 20(i)	Sales in the trade: Larger establishments	12/A/22 & 38
20(ii)	Sales in the trade: Small firms	12/A/26 & 39
21	Stocks of products on hand for sale and work in progress, and stocks of materials and fuel: Larger establishments	* & *
22	Employment in September: Larger establishments	12/A/26 & 40
23 or 23(i)	Average employment: Larger establishments	12/A/28 & 40
23(ii)	Average employment: Small firms	12/A/28 & 41
24	Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments	12/A/29 & 41
25	Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments	12/A/29 & 41
26	Payments for transport services for finished goods sold and materials and fuel purchased: Larger establishments	* & *

* Not applicable to this trade

S
H2
[HA 251]

15.8.56

BUILDING AND CONTRACTING TRADE

THIS REPORT on the Building and Contracting Trade relates to private firms engaged wholly or mainly on work of construction, alteration, repair and maintenance of buildings, highways, sewers, waterworks, harbours and canals; electric wiring, heating and other installation work; housing site preparation; opencast coal mining; and non-electrical work on telegraph and telephone and electrical lines and works and other civil engineering work; it covers work of these kinds carried out on their own account by firms engaged in other trades which maintained separate works departments (e.g., for erection, maintenance and repair of their own premises); it also covers work of these kinds carried out by Government Departments which employed direct labour.

This trade corresponds to minimum list headings 200(1), part of 200(3), 201 and part of 202 in the Standard Industrial Classification.

This trade was excluded from the census taken in 1950. The figures for small firms in 1949, already published, have been found to be overstated; for this reason no figures for small firms in 1949 are included in this report.

In 1951, manufacturers of asphalt who used the whole or the greater part of their production in their own contracting work were classified to this trade, whereas for earlier years they were classified to the Building Materials Trade (Volume 1, Trade L). The figures for 1949 and 1948 have been amended to include these firms whose net output in 1948 amounted to £4,146,000.

Firms in 1951 that employed 25 or more persons on the average were required to give detailed information on employment, wages and salaries, plant, machinery and vehicles, the usage of certain specified materials and work carried out. Firms employing from 11 to 24 persons on the average and those employing ten or fewer persons provided only basic figures on employment, wages and salaries, materials and fuel used and work carried out.

All firms in 1951 and firms employing 11 or more persons on the average in 1948 distinguished in their returns between work which they carried out as main contractors and sub-contractors respectively. Main contract work was to be valued inclusive of any work sub-contracted. Consequently, there is duplication in the gross output figures to the extent that such sub-contract work was carried out for main contractors who made returns in this trade.

The output of Government Departments was in general valued at cost, i.e., at sums calculated to cover materials used and wages and salaries paid, together with the establishment charges properly attributable to the work carried out. In 1951 and 1949 particulars relating to Government Departments in Northern Ireland are included with those for private firms.

The building and civil engineering establishments of Local Authorities and constructional work carried out by establishments which were also engaged in the manufacture of structural iron and steel-work, tubular scaffolding or prefabricated houses of steel or aluminium, are the subject of separate reports (Local Authorities (Building and Civil Engineering) - Volume 12, Trade B; and Constructional Engineering - Volume 4, Trade F). The report on Hospital Authorities (Building and Civil Engineering) is included as Appendix A to this report.

Details of the total value of all construction, repair and maintenance work carried out during 1951 by private firms, Government Departments, Local Authorities, Hospital Authorities and Public Utility Services are shown at Appendix B to this report.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

BUILDING AND CONTRACTING

Summary

(I) Larger private firms (a)

TABLE 1

	United Kingdom			Great Britain			United Kingdom	
	1951		1949	1949	1948	1946	1935	
	25 or more persons	11-24 persons	Total	Total	Total	Total	Total	
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	
Gross output (production)	978,723	149,600	1,128,323	895,385	880,789	807,770	499,060	212,740
Cost of materials and fuel purchased and used	375,169			347,665	341,123			
Payment for transport by other firms or hired haulage	10,376	66,347	465,127	8,554	8,451	317,151	197,641	
Payments for hire of plant and machinery	13,234			9,311	9,280			114,323
Payment for work done on contracts sub-let	142,218	10,102	152,321	110,658	108,976	99,931	40,162	
Net output	437,725	73,150	510,875	419,197	412,957	390,688	261,257	98,417
Wages and salaries of persons employed	328,850	54,192	383,042	320,306	315,421	292,793	209,536	..
Average number of persons employed (b)	No.	No.	No.	No.	No.	No.	No.	No.
	827,142	170,857	997,999	950,751	932,168	918,342	807,362	494,939
Net output per person employed (b)	£	£	£	£	£	£	£	£
	529	428	512	441	443	425	324	199
Number of returns (c)	No.	No.	No.	No.	No.	No.	No.	No.
	7,964	10,616	18,580	16,090	15,791	16,162	15,381	8,862

The value of gross output is derived in the following way:-

	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of establishments in this trade								
Building and civil engineering work done (d)	967,804	148,243	1,116,047	895,385	880,789	795,859	486,966	210,148
Other output (e)	10,919	1,356	12,276			11,911	12,094	2,592
Gross output (production)	978,723	149,600	1,128,323	895,385	880,789	807,770	499,060	212,740

(a) For small firms' summary see Table 2.

(b) Including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.

(c) While firms in this trade were not required to make returns on the basis of establishments a few firms did so, and these figures for 1951 exceed the number of firms shown in Table 4.

(d) For details for 1951 and 1948 see Table 8 (i) (B).

(e) For details for 1951 and 1948 see Table 10.

BUILDING AND CONTRACTING

(II) Government Departments (a)

TABLE 1 (contd.)

	Great Britain				
	1951	1949	1948	1946	1935(b)
	£'000	£'000	£'000	£'000	£'000
Gross output (production)	36,828	15,006	15,560	11,680	1,198
Cost of materials and fuel purchased and used	2,762	3,439	3,890		
Payment for transport by other firms or hired haulage	2,067	342	355	2,095	277
Payment for hire of plant and machinery	156	273	381		
Payment for work done on contracts sub-let	20,541	-	-	-	-
Net output	11,302	10,952	10,935	9,585	921
Wages and salaries of persons employed	8,799	9,038	8,970	6,791	..
Average number of persons employed	No.	No.	No.	No.	No.
	23,001	26,391	28,531	23,527	6,801
Net output per person employed	£	£	£	£	£
	491	415	383	407	135
Number of returns	No.	No.	No.	No.	No.
	21	18	18	13	8

(a) Excluding particulars in respect of H.M. Prisons. Particulars recorded for 1951 were £741,000 for the value of production (gross output) and £382,000 for the cost of materials and fuel used. The net output was £358,000. The approximate average number of persons employed on this work including prisoners was 2,300. Particulars of wages and salaries paid are not available.

(b) Relates to Admiralty (Civil Engineering Department) and H.M. Office of Works establishments only.

Summary: (I) Small private firms (a)

TABLE 2

	Great Britain	
	1951	1948
	£'000	£'000
Gross output (production)	159,999	148,181
Cost of materials and fuel purchased and used and other charges (b)	65,801	..
Payment for work done on contracts sub-let	7,642	7,932
Net output	86,556	..
Wages and salaries of persons employed	45,733	..
Average number of persons employed (c)	No.	No.
Males	231,691	288,103
Females	9,898	8,493
Total	241,589	296,596
Net output per person employed (c)	£	£
	358	..
Number of returns	No.	No.
	75,632	92,666

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951.

(b) Including payment to other firms for transport charges or for hired transport and for the hire of plant and machinery.

(c) Including working proprietors.

(II) Government Departments

There were no returns received from Government establishments employing ten or fewer persons on building and contracting work in 1951, 1949 or 1948.

For 1946 seven returns were received in respect of establishments employing not more than ten persons on the average. The establishments employed a total number of 27 male operatives and the value of construction and repair work done was £7,000.

TABLE 6 (contd.)

Kinds of work done	No. of returns	Gross output	Value of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Establishments engaged in									
New building construction (other than residential)	1	692	631	441	800	250	102	351	552
Repairs, maintenance and conversion of existing buildings	14	5,466	5,432	4,431	10,551	3,672	402	4,074	420
Work on highways and sewers	4	993	854	502	1,461	392	78	470	344
Open cast coal mining	1	25,867	25,715	3,205	2,299(b)	336	845	1,181	1,394(b)
Remainder of work done	1	3,811		2,722	7,890	2,425	298	2,723	345
Total	21	36,828		11,302	23,001	7,075	1,724	8,799	491

(a) Administrative, technical and clerical employees.

(b) The persons employed were those engaged on administration and services in connection with open cast coal mining and do not include those employed by contractors on site.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

New building construction - details for 1951

Larger private firms in Great Britain

This table relates to work done by main contractors for building owners on construction of new residential premises by all firms employing more than 10 persons on the average, and on certain other new building construction by firms employing 25 or more persons.

TABLE 8(i)(A)

Work done by main contractors for building owners	Buildings completed in the year (a)			Work done by specialist main contractors (b)	Value of work in progress				Total value of work done in the year
	Quantity	Value (a)	Entries		Value of work done	At end of year	At beginning of year	Entries	
	No.	£'000	No.	£'000	£'000	No.	£'000	No.	£'000
Firms employing 25 or more persons on the average									
Construction of new private residential premises (brick or stone walls)									
Purely residential houses	105,150	149,367	3,276	4,663	89,327	2,597	72,911	2,300	171,947
Purely residential flats and tenements	20,375	28,710	552	1,792	39,914	533	30,700	432	40,296
Residential premises not separately distinguished	410	513	17	500	38	6	41	..	1,035
Other new building construction									
Department stores and shops (including those combined with dwellings)	1,220	5,549	507	689	7,281	337	4,148	291	9,724

TABLE 8(i)(A) (contd.)

Work done by main contractors for building owners	Buildings completed in the year (a)			Work done by specialist main contractors (b)	Value of work in progress				Total value of work done in the year
	Quantity	Value (a)	Entries		Value of work done	At end of year	At beginning of year	Entries	
	No.	£'000	No.	£'000	£'000	No.	£'000	No.	£'000
Firms employing 25 or more persons on the average (contd.)									
Other new building construction (contd.)									
Hotels	185	1,585	205	202	642	80	453	85	2,197
Public buildings and public office buildings (buildings owned by Government, Local or other Public Authorities) except dwellings, schools, hospitals and factories	1,098	12,121	667	2,596	17,639	556	13,502	407	19,835
Private office buildings	550	6,228	452	566	13,514	253	8,897	203	11,728
Hospitals, clinics, nursing homes, etc.	407	3,074	413	1,038	4,839	320	3,380	238	6,467
Schools and college buildings	1,232	22,672	793	2,948	54,114	887	34,864	703	46,206
Places of public worship and buildings connected therewith	333	1,482	329	296	2,127	268	1,029	182	3,079
Places of indoor entertainment (theatres, cinemas, etc.)	117	2,388	131	127	639	56	1,564	41	1,755
Electric power stations	364	5,939	214	1,457	64,405	144	48,749	105	23,553
Gasworks	147	3,938	108	1,110	6,707	80	5,527	53	6,400
Factories and workshops	4,354	43,064	1,397	13,882	64,469	913	52,290	748	74,670
Warehouses and storage premises	845	4,376	580	1,267	7,668	302	4,542	247	9,447
Petrol filling stations, repair and other garages	1,047	1,987	581	113	1,874	207	1,291	143	2,865
Total		306,648	..	33,245	375,198	..	283,889	..	431,201
Firms employing 11-24 persons on the average									
Construction of new residential premises	20,583(c)	30,472(c)	..	(d)	(d)	..	(d)	..	30,472

(a) Completed buildings as returned by main contractors responsible for the superstructure. Extensions to existing buildings, for which quantitative details were not normally given, are included. The values are net selling values, or for buildings erected under contract the net amount payable including extras.

(b) Relates to work done in the year for building owners by specialist main contractors responsible for work other than the superstructure, and by nominated sub-contractors who carry out work directly for building owners.

(c) These figures have no direct relationship. The number of dwellings relates to the dwellings actually completed during the year irrespective of whether work was commenced during the year or earlier. The value relates to all work done during the year, including work on uncompleted houses.

(d) Not recorded separately.

Building and contracting work done (a)

Larger private firms (b)

This table gives particulars of all work done by building and contracting firms employing more than ten persons on the average, including the value of work of new building construction of which quantitative details for 1951 are given in Table 8(i)A.

TABLE 8(i)(B)

Kind of work done	United Kingdom 1951		Great Britain 1948	
	Firms employing 25 or more persons	Firms employing 11-24 persons	Firms employing 25 or more persons	Firms employing 11-24 persons
	Value of work done	Value of work done	Value of work done	Value of work done
	£'000	£'000	£'000	£'000
Main contract work (c)				
New building work done for building owners				
Temporary houses	56(d)	31,359	6,314	470
Permanent prefabricated houses	19,707		46,042	1,993
New residential dwellings	220,541(e)		157,991	22,083
Factories, warehouses and other buildings	222,425(e)	9,356	114,065(f)	4,489
Buildings for Service Departments	20,316		1,862	
Farm buildings, horticultural buildings, greenhouses, etc. (excluding dwellings)	5,700		3,640(g)	
Exhibition stands and similar temporary structures	2,205(h)		520	
Other new building construction	2,394		2,180	-
Other work done on buildings for building owners				
Repair and maintenance work of all kinds on existing buildings (e.g., painting, decorating, plumbing, heating, lighting (natural and artificial), carpentry work), including adaptation and conversion				
Private residential premises	59,064	45,428	64,106	32,032
Other premises	100,488(i)	26,800	90,826	16,713
Shop and office fitting (j)	3,905(h)		3,174	
Electrical work (wiring, fitting, etc. not included above)	10,396		7,321	
Other work done				
Demolition work, not included above	2,142(h)		3,203	

TABLE 8(i)(B) (contd.)

Kind of work done	United Kingdom 1951		Great Britain 1948	
	Firms employing 25 or more persons	Firms employing 11-24 persons	Firms employing 25 or more persons	Firms employing 11-24 persons
	Value of work done	Value of work done	Value of work done	Value of work done
	£'000	£'000	£'000	£'000
Main contract work (c) (contd.)				
Other work done (contd.)				
Housing site preparation	14,350(k)		15,569	
Factory site preparation	2,813(h)		2,511(d)	
Civil engineering				
Opencast coal mining (l)				
Coal raising	16,852		17,772	
Prospecting, removal and re-instatement of overburden, etc.	4,075		1,348	
Construction, alteration, repair or maintenance of				
Railways and light railways (permanent way, tunnels, bridges, etc.)	5,564		3,596	
Tramways and trackless trolley systems (permanent way, overhead wires, etc.)	30	19,523	53	10,965
Highways (roads, bridges, footpaths, surface drains, etc.)	21,497		15,688	
Airfields	18,842		5,674	
Recreation or sports grounds (tennis courts, bowling greens, swimming pools, etc.)	2,796		2,240	
Harbours, wharves, docks and piers, canals and waterways, sea walls and embankments	10,977		6,516	
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)	19,292		6,795	
Gas mains and works	7,255		5,560	
Telegraph and telephone lines and works	2,164		1,983	
Sewers and sewage disposal works	15,517		7,363	
Electric power and lighting lines and works	7,851		7,345	
Mining development work (boring, sinking shafts, etc.) (d)	789		819	
All other civil engineering	35,406		23,166	

TABLE 8(i)(B) (contd.)

Kind of work done	United Kingdom 1951		Great Britain 1948	
	Firms employing 25 or more persons	Firms employing 11-24 persons	Firms employing 25 or more persons	Firms employing 11-24 persons
	Value of work done	Value of work done	Value of work done	Value of work done
	£'000	£'000	£'000	£'000
Sub-contract work				
Work of all kinds done for other contractors				
Work on buildings done by specialist sub-contractors				
Patent glazing	949	15,777	1,290	8,924
Heating and ventilating	15,811		9,391	
Electrical installation	12,923		6,682	
Structural steelwork	1,915		1,042	
Plant hire and scaffolding	9,347		4,650	
Other sub-contract work on buildings (e.g., flooring, roofing, plumbing)	48,111		38,209	
Asphalting and tar spraying	7,823		2,390	
Other work (including pile driving and specialist and other sub-contract work not elsewhere specified)	15,513		9,294	
	Value of work done		Value of work done	
	£'000		£'000	
Total work done				
Main contract work (c)				
New building work done for building owners				
Firms employing 25 or more persons	493,345		332,615	
Firms employing 11-24 persons	40,716		29,035	
Total	534,060		361,650	
Other work done on buildings for building owners				
Firms employing 25 or more persons	173,852		165,428	
Firms employing 11-24 persons (m)	72,228		48,745	
Total	246,080		214,172	
Other work done				
Firms employing 25 or more persons	188,214		127,201	
Firms employing 11-24 persons (n)	19,523		10,965	
Total	207,737		138,166	

TABLE 8(i)(B) (contd.)

Kind of work done	United Kingdom 1951	Great Britain 1948
	Value of work done	Value of work done
	£'000	£'000
Total work done (contd.)		
Main contract work (c) (contd.)		
Total value of work done by main contractors		
Firms employing 25 or more persons	855,411	625,243
Firms employing 11-24 persons	132,467	88,745
Total	987,877	713,988
Sub-contract work		
Firms employing 25 or more persons	112,393	72,946
Firms employing 11-24 persons	15,777	8,924
Total	128,170	81,871
Total value of building and civil engineering work carried out		
Firms employing 25 or more persons	967,804	698,190
Firms employing 11-24 persons	148,243	97,669
Total	1,116,047	795,859

(a) The figures in this table do not include work of construction, repair and maintenance recorded on schedules for other trades, Local Authorities, Hospital Authorities and Public Utility Undertakings. For details of work done by Government Departments, see Tables 8(i)(C) and 8(i)(D). Details of the total value of all construction, repair and maintenance work done during 1951 are shown in Appendix B.

(b) For output of small firms see Table 8(ii).

(c) The figures for main contract work include the value of work sub-let to other contractors; there is, therefore, duplication in the total value of work carried out for that work sub-contracted by firms included in this table which was performed by sub-contractors also included in this table.

(d) So far as recorded separately.

(e) For details for Great Britain see Table 8(i)(A).

(f) Including unclassified specialist work on residential and other new buildings.

(g) Excluding greenhouses.

(h) Great Britain only. Not recorded separately for Northern Ireland.

(i) Including shop-fitting, exhibition stands, etc. by establishments in Northern Ireland and expenditure on repair and maintenance work by Government Departments in Northern Ireland.

(j) For the total value of shop and office fitting (recorded separately) see the Shop and Office Fitting Trade (Volume 10, Trade D).

(k) Including, in Northern Ireland, demolition work and factory site preparation.

(l) The particulars shown for opencast coal mining in this table are in respect of work carried out by private contractors for the Ministry of Fuel and Power (Directorate of Opencast Coal Production). Details of the total quantity and value of the coal raised during 1951 recorded by the Ministry of Fuel and Power (inclusive of the work carried out by contractors) are shown in Table 8(i)(D).

(m) Excluding shop and office fitting and electrical work on buildings.

(n) Including shop and office fitting and electrical work on buildings.

New building construction - details for 1951

Government Departments

TABLE 8(i)(C)

	Buildings completed in the year		Work done by specialist main contractors	Value of work in progress		Total value of work done in the year
	Quantity	Value (a)		At end of year	At beginning of year	
	No.	£'000	£'000	£'000	£'000	£'000
Construction of new private residential premises (brick or stone walls)						
Purely residential flats and tenements	48	149	-	-	117	32
Other new building construction						
Hotels	2	8	-	-	-	8
Public buildings and public office buildings (buildings owned by Government, Local or other Public Authorities), except dwellings, schools, hospitals and factories	3	171	-	-	-	171
Schools and college buildings	6	51	-	-	39	12
Factories and workshops	-	-	13	-	-	13
Total		379	13	-	156	236

(a) Valued at cost.

Building and contracting work done

Government Departments

This table gives particulars of work done, including the value of work of new building construction of which quantitative details are given in Table 8(i)(C).

TABLE 8(i)(D)

	1951	1948
	Value of work done in the year	Value of work done in the year
	£'000	£'000
New building construction		
Permanent prefabricated houses	-	213
New residential dwellings	32(a)	844
Hotels	8(a)	-
Public buildings and public office buildings, including school and college buildings	183(a)	1,419
Factories and workshops	13(a)	2,084(b)
Buildings for Service Departments	1,067	392
Farm buildings, etc. (excluding dwellings)	-	45
Other new building construction	-	128
Total value of work done on new building construction	1,303	5,126

TABLE 8(i)(D) (contd.)

	1951	1948
	Value of work done in the year	Value of work done in the year
	£'000	£'000
Work done on buildings other than new construction		
Repair and maintenance work of all kinds on existing buildings (e.g., painting, decorating, plumbing, heating, lighting (natural and artificial), carpentry work), including adaptation and conversion		
Private residential premises	78	240
Other premises	7,150	8,216
Exhibition stands and similar temporary structures	1	-
Electrical work (wiring and fitting, etc.) not included above	12	5
Other work done		
Demolition work not included above	1	13
Housing site preparation	42	152
Civil engineering		
Opencast coal mining		
Coal raised	25,715 (11,383,000 tons)	(c)
Construction, alteration, repair or maintenance of		
Railways and light railways (permanent way, tunnels and bridges, etc.)	150	112
Tramways and trackless trolley systems (permanent way, overhead wires, etc.)	-	1
Highways (roads, bridges, footpaths, surface drains, etc.)	1,044	1,105
Airfields	158	72
Recreation or sports grounds (tennis courts, bowling greens, swimming pools, etc.)	9	6
Harbours, wharves, docks and piers, canals and waterways, sea walls and embankments	372	327
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)	89	67
Gas mains and works	12	7
Telegraph and telephone lines and works	1	3
Sewers and sewage disposal works	47	41
Electric power and lighting lines and works	17	28
Other civil engineering work	474	40
Plant hire	56	-
Total value of all work done	36,732	15,560

(a) For details see Table 8(i)(C).

(b) Including electric power stations, gas works, petrol filling stations, repair garages, etc., and warehouses and storage premises.

(c) Not available. The amount recorded as raised by private firms during 1948 was 11,682,000 tons (see footnote (1) to Table 8(i)(E)).

Building and contracting work done by small private firms in Great Britain (a)

TABLE 8(ii)

	1951		1948
	Value of work done	Entries	Value of work done
	£'000	No.	£'000
Main contract work			
New building construction			
Residential premises	13,746	..	23,828
Other new building construction	4,903	..	7,334
Repair and maintenance work to buildings (e.g., painting, plumbing, heating, lighting, carpentry work, etc.)			
Residential premises	86,421	..	104,237
Other buildings	25,079	..	
All other main contract work done, including civil engineering work	12,621	..	11,725
Work of all kinds done for other contractors	15,592	..	
	Value		Value
	£'000		£'000
Goods made and sold and not used in the work shown above	1,636	..	1,056
Total	159,999	75,632	148,181

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

TABLE 9 - Sales of principal products of the trade by establishments
classified to other trades: Larger establishments

This table is not applicable. Particulars of all building and civil engineering carried out during 1951, including that carried out by establishments classified to other trades, are shown in Appendix B.

Sales in the trade other than that shown in Table 8 (i) (B)
Larger private firms (a) (b)

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	Thous.	£'000	Thous.	£'000
Firms employing 25 or more persons (c)				
Manufactured joinery				
Doors of a height and width not less than 6 feet and 2 feet respectively	41	115	198	361
Other doors	18.3	39		
Fittings for shops, offices, etc.	..	282	..	230
Builders' woodwork	..	579	..	535
Window frames	..	56	..	81
Other manufactured joinery and furniture	..	493	..	513
Wood flooring and paving blocks	..	12	..	6
Coffins	..	115	32	295
Wooden crates, boxes, etc.	..	1,163	..	661
Sawmill products (including staves, barrel ends and other parts of barrels, casks, etc.)	..	56	..	150
Portable garages, portable poultry houses and other portable buildings	..	46	..	147
Furniture and cabinetware	..	274	..	346
Manufactures of timber not specified above	..	271	..	309

(9807)

TABLE 10 (contd.)

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
		£'000	Million	£'000
Firms employing 25 or more persons (c) (contd.)				
Bricks of brick-earth or clay	..	53	10.5	57
Precast concrete goods				
Walling blocks	Th.tons 23	82	Th.tons 129	153
Floor and roof units	..	16	..	23
Pipes and tubes	..	17	..	236
Other	..	576	..	43
Other building materials	161	152	..	238
Paving or road making materials	275	1,207	..	330
Monumental and architectural masonry	..	63	..	245
Heating and ventilating apparatus	..	791	..	37
Electrical goods	..	80	..	1,949
Machinery and vehicles, and parts thereof	..	104	..	123
Other manufactures of metal	..	315	..	13
Signs and signwriting	..	165	..	55
Other manufactures and waste products sold	..	99	..	212
Work done				
New and repair work on ships		1,888		2,470
Repair and maintenance to vehicles		19		270
Other work		319		
Total		10,919		11,060
Firms employing 11-24 persons				
Goods made and sold		1,356		851
Total		12,276		11,911

(a) Output to the value of £96,000, in addition to that shown in Table 8(i) (D) was recorded for Government Departments for 1951.

(b) For output returned by small private firms (employing on the average ten or fewer persons) see Table 8(ii)

(c) Detailed particulars of sales by firms in Northern Ireland are not available. The total value of their sales (£303,000) is included in the figure shown for 'Other manufactures and waste products sold'.

(9807)

BUILDING AND CONTRACTING

(II) Government Departments

£'000

TABLE 16 (contd.)

	Great Britain		
	1951	1949	1948
Wages and salaries (a) of			
Operatives	7,075	7,897	7,841
Administrative, technical and clerical employees	1,724	1,141	1,128
Total	8,799	9,038	8,970
Employers' contributions to all National Insurance Schemes	235	276	249

(a) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work (a)

(I) Larger private firms in the United Kingdom employing 25 or more persons

TABLE 17

£'000

	1951
Plant, machinery and vehicles	
Acquisitions	
Plant and machinery (b)	
New	13,616
Second-hand	1,824
Vehicles	
New	5,358
Second-hand	1,604
Total acquisitions	22,402
Disposals	
Plant and machinery (b)	2,593
Vehicles	1,366
Total disposals	3,959
New building work	
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	2,534

(a) Particulars for 1949 and 1948, and for larger private firms employing 11-24 persons were not ascertained.

(b) Including mobile plant.

TABLE 17 (contd.) (II) Government Departments

£'000

	1951
Plant, machinery and vehicles	
Acquisitions	
Plant and machinery (c)	
New	550
Second-hand	27
Vehicles	
New	23
Second-hand	6
Total acquisitions	606
Disposals	
Plant and machinery (c)	662
Vehicles	3
Total disposals	664
New building work	
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	3

(c) Including mobile plant.

1951

Summary

Larger establishments

Note - The larger private firms and Government Departments in this trade were not required to make separate returns for their establishments in the different countries of Great Britain, thus country tables cannot be shown for them.

In the case of small private firms, it has been assumed that the building and contracting work done has been carried out in the same country as that in which the firm is located.

TABLE 18

	Larger private firms			Government Departments (a)	
	Great Britain	Northern Ireland	United Kingdom	Great Britain	
	£'000	£'000	£'000	£'000	
Gross output (production)	1,106,872	21,451	1,128,323	36,828	
Cost of materials and fuel purchased and used	454,787	10,339	465,127	2,762	
Payment for transport by other firms or hired haulage					2,067
Payment for hire of plant and machinery					156
Payment for work done on contracts sub-let	149,844	2,477	152,321	20,541	
Net output	502,240	8,635	510,875	11,302	
Wages and salaries of persons employed	376,391	6,651	383,042	8,799	
Average number of persons employed	No. 975,726(b)	No. 22,273(b)	No. 997,999(b)	No. 23,001	
Net output per person employed	£ 515(b)	£ 388(b)	£ 512(b)	£ 491	
Number of returns	No. 18,172	No. 408	No. 18,580	No. 21	

The values of gross output are derived in the following way:-

	£'000	£'000	£'000	£'000
Output of establishments in this trade				
Building and civil engineering work done	1,094,921	21,126	1,116,047	36,732
Other output	11,950	326	12,276	96
Gross output (production)	1,106,872	21,451	1,128,323	36,828

(a) Excluding particulars in respect of H.M. Prisons (see footnote (a) to Table 1 (II)).

(b) Including working proprietors.

TABLE 20 (i) (contd.)

Kind of work done	Great Britain		Northern Ireland		United Kingdom
	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Total value
	Value of work done in the year	Value of work done in the year	Value of work done in the year	Value of work done in the year	
	£'000	£'000	£'000	£'000	£'000
Building and civil engineering work carried out (contd.)					
Sub-contract work					
Work of all kinds done for other contractors					
Work on buildings done by specialist sub-contractors					
Patent glazing	949	15,391	822	386	128,170
Heating and ventilating	15,811				
Electrical installation	12,923				
Structural steelwork	1,915				
Plant hire and scaffolding	9,347				
Other sub-contract work on buildings (e.g., flooring, roofing, plumbing)	48,111				
Asphalting and tar spraying	7,823				
Other work done (including pile driving and specialist and other sub-contract work, not elsewhere specified)	14,692				
Total value of building and civil engineering work carried out	949,388					145,534	18,416	2,709	1,116,047
Other output					
Manufactured joinery					
Doors of a height and width not less than 6 feet and 2 feet respectively	{ (Thous. 41) £'000				
Other doors	{ (Thous. 18.3) £'000				
Fittings for shops, offices, etc.	282				
Builders' woodwork	579				
Window frames	56	(b)	(b)	(b)	(b)
Other manufactured joinery and furniture	493				
Wood flooring and paving blocks	12				
Coffins	115				
Wooden crates, boxes, etc.	1,163				
Sawmill products (including staves, barrel ends and other parts of barrels, casks, etc.)	56				
Portable garages, portable poultry houses and other portable buildings	46				
Furniture and cabinetware	274				
Manufactures of timber not specified above	271				
Bricks of brick-earth or clay	53				

TABLE 20 (i) (contd.)

Kind of work done	Great Britain		Northern Ireland		United Kingdom
	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Total
	£'000	£'000	£'000	£'000	
Other output (contd.)					£'000
Precast concrete goods					
Walling blocks	{ (Th. tons 82 23) £'000				
Floor and roof units	{ 17				
Pipes and tubes	{ 576				
Other	{ 152 (Th. tons 161) £'000				
Other building materials	{ 63				
Paving or road-making materials					
Manufactured bituminous asphalt and emulsions	{ 1,207 (Th. tons 275) £'000	1,334	303	23	12,276
Other road-making materials	{ 791				
Monumental and architectural masonry	{ 92				
Heating and ventilating apparatus	{ 80				
Electrical goods	{ 104				
Machinery and vehicles, and parts thereof	{ 315				
Other manufactures of metal	{ 165				
Signs and signwriting	{ 99				
Other manufactures and waste products sold	{ 1,041				
Work done					
New and repair work on ships	{ 1,888				
Repair and maintenance to vehicles	{ 19				
Other work	{ 319				
Total	960,004	146,867	18,719	2,732	1,128,323

(a) For details of building and civil engineering work carried out by Government Departments see Table 8(i)(D); the value of other output of the Government establishments classified to the trade amounted to £96,000. For output of small private firms see Table 20(ii).

(b) Not recorded separately.

(c) Including shop fitting and exhibition stands.

(d) Including, for Northern Ireland, work of demolition and factory site preparation.

Average employment
Larger establishments

	Larger private firms						Government Departments
	Great Britain		Northern Ireland		United Kingdom		Great Britain
	Employing 25 or more persons	Employing 11-24 persons(a)	Employing 25 or more persons	Employing 11-24 persons(a)	Employing 25 or more persons	Employing 11-24 persons(a)	
	Operatives Administrative, technical and clerical employees	718,055	..	17,380	..	735,435		..	20,301
	86,590	..	1,300	..	87,890	..	2,700
Total	804,645	158,075	18,680	2,923	823,325	160,998	23,001

(a) Separate particulars for operatives and administrative, technical and clerical employees were not ascertained.

Average employment
Small private firms (a) (b)

	England and Wales			Scotland	Great Britain
Males					
Under 18	19,381			3,438	22,819
All ages	209,332			22,359	231,691
Females					
Under 18	426			193	619
All ages	8,295			1,603	8,898
Total					
Under 18	19,807			3,631	23,438
All ages	217,627			23,962	241,589

(a) Small private firms (employing on the average ten or fewer persons) that made satisfactory returns.
(b) Including working proprietors.

Wages and salaries and employers' National Insurance
contributions paid during the year
Larger establishments

TABLE 24

£'000

	Larger private firms						Government Departments
	Great Britain		Northern Ireland		United Kingdom		Great Britain
	Employing 25 or more persons	Employing 11-24 persons (a)	Employing 25 or more persons	Employing 11-24 persons (a)	Employing 25 or more persons	Employing 11-24 persons (a)	
	Wages and salaries (b) of Operatives Administrative, technical and clerical employees	281,101	..	5,310	..	286,412		..	7,075
	41,940	..	498	..	42,439	..	1,724
Total	323,042	53,349	5,809	843	328,850	54,192	8,799
Employers' contributions to all National Insurance schemes	8,560	1,650	196	33	8,756	1,683	235

(a) Separate particulars for operatives and administrative, technical and clerical employees were not ascertained.

(b) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work
Larger establishments employing 25 or more persons (a)

TABLE 25

£'000

	Larger private firms			Government Departments
	Great Britain	Northern Ireland	United Kingdom	Great Britain
Plant, machinery and vehicles Acquisitions				
Plant and machinery (b)				
New	13,460	156	13,616	550
Second-hand	1,764	60	1,824	27
Vehicles				
New	5,222	136	5,358	23
Second-hand	1,560	44	1,604	6
Total acquisitions	22,006	396	22,402	606
Disposals				
Plant and machinery (b)				
New	2,576	17	2,593	662
Vehicles	1,334	32	1,366	3
Total disposals	3,909	49	3,959	664
New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	2,494	41	2,534	3

(a) Particulars for larger private firms employing 11-24 persons were not ascertained.
(b) Including mobile plant.

TABLE 26 - Payments for transport services for finished goods sold and
materials and fuel purchased: Larger establishments

This table is not applicable to the trade.

APPENDIX A

HOSPITAL AUTHORITIES (BUILDING AND CIVIL ENGINEERING)

THIS REPORT relates to the work of building construction, repair and renewal, and civil engineering work carried out by persons in the direct employment of Regional Hospital Boards, Hospital Management Committees and Boards of Management and Boards of Governors of teaching hospitals in Great Britain.

This trade corresponds to part of minimum list heading 200 (3) (Building) and part of 202 (2) (Civil Engineering) in the Standard Industrial Classification.

On the 5th July, 1948, most hospitals in Great Britain came under the administration of the new Hospital Boards and Committees set up under the National Health Service Acts of 1946 and 1947. For 1948, as regards hospitals formerly administered by Local Authorities, building and civil engineering work carried out by directly employed labour was, in a few cases, included by the local authority in its return in the Local Authorities (Building and Civil Engineering) trade. Hospital authorities were not required to make returns for 1949 and building and civil engineering was excluded from the scope of the census for 1950. 1951, therefore, is the first year for which separate information was collected from Regional Hospital Boards, Hospital Management Committees and Boards of Management and Boards of Governors for teaching hospitals.

This report does not include any work done on behalf of hospitals by contractors. Particulars of work furnished by contractors are included in the reports on the trades concerned.

Certain maintenance workers (e.g., boilermen, liftmen, cleaners, gardeners and porters) and the work done by them are excluded from the report.

Hospital Authorities were asked to return their output in terms of work done in the year of return, valuing that work on the basis of the cost of materials used and wages and salaries paid, together with the establishment charges attributable to the work carried out. Similarly, the cost of materials related to materials used, not materials purchased in the year.

Summary

Larger establishments in Great Britain (a)

	1951
	£'000
Gross output (production)	9,987
Cost of materials and fuel purchased and used	3,340
Total amount paid for transport charges or for hired haulage	30
Total amount paid for the hire of plant and machinery	9
Net output	6,608
Wages and salaries of persons employed	6,286
Average number of persons employed (b)	No. 15,782
Net output per person employed	£ 419
Number of returns	No. 367

The value of gross output is derived in the following way:-

Output of establishments in this trade	£'000
Total value of output	
Building and civil engineering work done (c)	9,789
Other output (d)	198
Gross output (production)	9,987

(a) For small establishments' summary see Table 2.

(b) For the total number of persons employed in this trade see Table 3.

(c) For details for 1951 see Table 8 (i)(B).

(d) For details for 1951 see Table 10.

Summary

Small establishments in Great Britain (a)

	1951
	£'000
Gross output (production)	367
Cost of materials and fuel purchased and used and other charges (b)	144
Net output	224
Average number of persons employed	No.
Males	561
Females	2
Total	563
Net output per person employed	£ 397
Number of returns	No. 89

(a) Small establishments employing on the average ten or fewer persons.

(b) Including amounts paid to other firms and undertakings for transport charges or for hired haulage and for hire of plant and machinery.

BUILDING AND CONTRACTING

Estimated average employment

All establishments in Great Britain

TABLE 3		Number
		1951
As returned by establishments		
Employing on the average more than ten persons (a)		15,782
Employing on the average ten or fewer persons (b)		563
		16,345
Estimated average employment in establishments not making satisfactory returns		-
Average employment in all establishments		16,345

(a) See Table 14.

(b) See Tables 2 and 23(ii).

Analysis by size, 1951

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	95	1,088	700	1,719	587	85	672	407
25 - 49	162	3,731	2,452	5,891	2,067	281	2,348	416
50 - 99	99	4,208	2,851	6,773	2,387	296	2,683	421
100 - 299	11	961	605	1,399	543	39	583	433
Total	367	9,987	6,608	15,782	5,584	702	6,286	419

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	18	339	195	2.9	461	154	32	187	423
East and West Ridings	25	658	435	6.6	1,084	363	45	408	401
North Midland	20	400	271	4.1	637	228	26	254	426
Eastern	31	850	556	8.4	1,342	468	59	527	414
London and South Eastern	106	3,366	2,359	35.7	5,445	1,972	269	2,242	433
Southern	21	604	373	5.6	902	320	39	358	413
South Western	26	615	396	6.0	967	325	39	364	409
Midland	24	887	566	8.6	1,277	481	48	528	443
North Western	41	1,164	728	11.0	1,777	627	65	692	409
Total England	312	8,884	5,878	89.0	13,892	4,938	622	5,560	423
Wales	19	473	305	4.6	722	260	34	294	422
Scotland	36	630	425	6.4	1,168	386	46	432	364
Great Britain	367	9,987	6,608	100.0	15,782	5,584	702	6,286	419

(a) Administrative, technical and clerical employees.

(9807)

TABLE 6 - Analysis according to specialisation within the trade, 1951

Larger establishments

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

New building construction - details for 1951

Larger establishments in Great Britain

TABLE 8(i)(A)

	Buildings completed in the year (a)			Value of work in progress on buildings not completed				Total value of work done in the year
	Quantity	Value (b)	Entries	At end of year	Entries	At beginning of year	Entries	
	No.	£'000	No.	£'000	No.	£'000	No.	£'000
Construction of new private residential premises (brick or stone walls)								
New residential dwellings	8	11	..	1	..	4	..	8
Other new building construction								
Schools and college buildings owned by Government, Local and other Public Authorities	4	5	..	4	..	-	-	9
Hospital premises	108	67	40	76	23	20	17	163
	..	40	14					
Factories, workshops, warehouses, storage premises, and repair and other garages	5	1	5	7	..	1	..	9
	..	1	..					
Total		125	..	88	..	25	..	188

(a) Extensions to existing buildings for which quantitative details were not normally given, are included.

(b) Valued at cost.

(9807)

Building and civil engineering work done
Larger establishments in Great Britain (a)

This table gives particulars of work done by Hospital Boards, including the value of work of new building construction, of which quantitative details are given in Table 8 (i)(A).

TABLE 8 (i)(B)

	1951	
	Value of work done in the year	Entries
	£'000	No.
New building construction (b)(c)		
New residential dwellings	8	..
Schools and college buildings owned by Government, Local and other Public Authorities	9	..
Hospital premises	163	61
Factories, workshops, warehouses, storage premises, and repair and other garages	9	9
Other new building construction	10	8
Total value of work done on new building construction	198	..
Work done on buildings other than new construction		
Shop and office fitting	5	5
Repair, maintenance and conversion work of all kinds on existing buildings (e.g., painting, decorating, plumbing, heating, lighting (natural and artificial), carpentry work, including adaptation and conversion)		
Private residential premises	84	37
Hospital premises	9,408	365
Other premises	20	25
Total value of work done on buildings other than new construction	9,517	..
Other work done		
Construction, alteration, repair or maintenance of		
Highways (roads, bridges, footpaths, surface drains, etc.)	31	36
Sewers and sewage disposal works	14	25
Parks, promenades, gardens, cemeteries and open spaces (including recreation or sports grounds, tennis courts, bowling greens, swimming pools, etc.)	8	17
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works, and pumping stations)	6	15
Other civil engineering work	15	7
Total value of building and civil engineering work done	9,789	367

(a) For output of small establishments see Table 8 (ii).

(b) Including the enlargement of existing buildings.

(c) Quantitative details for most of these items, are given in Table 8 (i)(A).

Building and civil engineering work done by
small establishments in Great Britain

TABLE 8 (ii)

	1951	
	Value of work done	Entries
	£'000	No.
Construction of new buildings other than residential premises	1	60
Repair and maintenance work to buildings (e.g., painting, decorating, plumbing, heating, lighting, carpentry work)	351	89
All other work done, including civil engineering work	15	86
Total	367	89

TABLE 9 - Sales of principal products of the trade by establishments classified to other trades: Larger establishments

This table is not applicable to the trade.

Output in the trade other than that shown in Table 8 (i)(B)

Larger establishments in Great Britain (a)

TABLE 10

	1951
	Value
	£'000
Goods made by employees of Hospital Boards and not used in the work of building and civil engineering entered in Table 8 (i)(B)	124
Repair and maintenance of	
Vehicles	13
Furniture, cabinet ware, etc.	12
Surgical instruments	8
Other work	41
Total	198

(a) For output of small establishments see Table 8 (ii).

TABLE 11 - Production, exports and imports of certain principal products

This table is not applicable to the trade.

Usage of certain specified purchased materials, 1951
Larger establishments in Great Britain

TABLE 12

Materials used	Quantity
	Th.cu.ft.
Timber (other than reclaimed), including that used for packing or packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases	
Hardwood	74.1
Softwood	444.5
	Th.tons
Cast iron gutterings, pipes, etc.	0.5
Steel	
Angles, shapes and sections	0.2
Girders, beams, joists and pillars (not fabricated)	0.2
Steel for reinforcement	0.1
Tubes and fittings (including electrical conduits, etc.)	1.2

Employment in September (a)
Larger establishments in Great Britain

TABLE 13

	Number		
	Operatives	Administrative, technical and clerical employees	Total employees
Males			
Under 18	218	21	239
All ages	14,192	1,282	15,474
Females			
Under 18	5	6	11
All ages	149	90	239
Total			
Under 18	223	27	250
All ages	14,341	1,372	15,713

(a) In week ended September 22, 1951.

Average employment
Larger establishments in Great Britain (a)

TABLE 14

	Number
	1951
Operatives	14,437
Administrative, technical and clerical employees	1,345
Total	15,782

(a) For employment in small establishments (employing on the average ten or fewer persons) see Table 2.

TABLE 15 - Shift working, 1951: Larger establishments in Great Britain
Particulars of shift working in this trade were not ascertained.

Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments in Great Britain

TABLE 16

	£'000
	1951
Wages and salaries (a) of	
Operatives	5,584
Administrative, technical and clerical employees	702
Total	6,286
Employers' contributions to all National Insurance Schemes	173

(a) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments in Great Britain

TABLE 17

	£'000
	1951
Plant, machinery and vehicles	
Acquisitions	
Plant and machinery (a)	
New	92
Second-hand	1
Vehicles	
New	17
Second-hand	4
Total acquisitions	115
Disposals	
Plant and machinery	-
Vehicles	2
Total disposals	2
New building work	
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	56

(a) Including mobile plant.

COUNTRY TABLES, 1951

Summary: Larger establishments

TABLE 18

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 8,884	£'000 473	£'000 630	£'000 9,987
Cost of materials and fuel purchased and used	2,973	167	201	3,340
Total amount paid for transport charges or for hired haulage	25	2	4	30
Total amount paid for the hire of plant and machinery	8	-	-	9
Net output	5,878	305	425	6,608
Wages and salaries of persons employed	5,560	294	432	6,286
Average number of persons employed	No. 13,892	No. 722	No. 1,168	No. 15,782
Net output per person employed	£ 423	£ 422	£ 364	£ 419
Number of returns	No. 312	No. 19	No. 36	No. 367

Summary

Small establishments (a)

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 274	£'000 10	£'000 84	£'000 367
Cost of materials and fuel purchased and used and other charges (b)	108	4	32	144
Net output	166	6	52	224
Average number of persons employed (c)	No. 405	No. 18	No. 140	No. 563
Net output per person employed	£ 410	£ 319	£ 370	£ 397
Number of returns	No. 63	No. 3	No. 23	No. 89

(a) Small establishments employing on the average ten or fewer persons.

(b) Including amounts paid to other firms and undertakings for transport charges or for hired haulage and for hire of plant and machinery.

(c) For details of employment see Table 23(ii).

Output in the trade

Larger establishments (a)

	England and Wales	Scotland	Great Britain
	Value	Value	Value
	£'000	£'000	£'000
Building and civil engineering work carried out			
New building construction			
New residential dwellings	8	-	8
Schools and college buildings owned by Government, Local and other Public Authorities	9	-	9
Hospital premises	159	3	163
Factories, workshops, warehouses, storage premises, and repair and other garages	7	2	9
Other new building construction	10	-	10
Total value of work done on new building construction	193	5	198
Work done on buildings other than new construction			
Shop and office fitting	5	-	5
Repair, maintenance and conversion work of all kinds on existing buildings (e.g., painting, decorating, plumbing, heating, lighting (natural and artificial), carpentry work, including adaptation and conversion)			
Private residential premises	79	5	84
Hospital premises	8,801	608	9,408
Other premises	18	2	20
Total value of work done on buildings other than new construction	8,903	615	9,517

TABLE 20 (i) (contd.)

	England and Wales	Scotland	Great Britain
	Value	Value	Value
	£'000	£'000	£'000
Building and civil engineering work carried out (contd.)			
Other work done			
Construction, alteration, repair or maintenance of			
Highways (roads, bridges, footpaths, surface drains, etc.)	31	1	31
Sewers and sewage disposal works	10	3	14
Parks, promenades, gardens, cemeteries and open spaces (including recreation or sports grounds, tennis courts, bowling greens, swimming pools, etc.)	6	2	8
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works and pumping stations)	6	-	6
Other civil engineering work	15	1	15
Total value of building and civil engineering work carried out	9,163	626	9,789
Other output			
Goods made by employees of Hospital Boards and not used in the work of building and civil engineering shown above	124	-	124
Repair and maintenance of			
Vehicles	13	-	13
Furniture, cabinet ware, etc.	9	3	12
Surgical instruments	8	-	8
Other work	41	-	41
Total	9,358	630	9,987

(a) For output of small establishments see Table 20(ii).

Output in the trade

Small establishments (a)

	England and Wales	Scotland	Great Britain
	Value of work done	Value of work done	Value of work done
	£'000	£'000	£'000
Construction of new buildings other than residential premises	1	-	1
Repair and maintenance work to buildings (e.g., painting, decorating, plumbing, heating, lighting, carpentry work)	270	81	351
All other work done, including civil engineering work	13	2	15
Total	284	84	367

(a) Small establishments employing on the average ten or fewer persons.

TABLE 21 - Stocks of products on hand for sale and work in progress, and stocks of materials and fuel: Larger establishments

This table is not applicable to the trade.

Employment in September
Larger establishments (a)(b)

TABLE 22 (i) Operatives	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	182	36	218
All ages	13,125	1,067	14,192
Females			
Under 18	5	-	5
All ages	148	1	149
Total			
Under 18	187	36	223
All ages	13,273	1,068	14,341
(ii) Administrative, technical and clerical employees	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	19	2	21
All ages	1,201	81	1,282
Females			
Under 18	6	-	6
All ages	70	20	90
Total			
Under 18	25	2	27
All ages	1,271	101	1,372
(iii) Total employees	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	201	38	239
All ages	14,326	1,148	15,474
Females			
Under 18	11	-	11
All ages	218	21	239
Total			
Under 18	212	38	250
All ages	14,544	1,169	15,713

(a) For average employment in small establishments see Table 23(ii).
(b) Number employed in the week ended September 22, 1951.

Average employment
Larger establishments

TABLE 23(i)	Number		
	England and Wales	Scotland	Great Britain
Operatives	13,369	1,068	14,437
Administrative, technical and clerical employees	1,245	100	1,345
Total	14,614	1,168	15,782

Average employment
Small establishments (a)

TABLE 23(ii)	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	6	1	7
All ages	421	140	561
Females			
Under 18	-	-	-
All ages	2	-	2
Total			
Under 18	6	1	7
All ages	423	140	563

(a) Small establishments employing on the average ten or fewer persons.

Wages and salaries and employers' National
Insurance contributions paid during the year
Larger establishments

TABLE 24	£'000		
	England and Wales	Scotland	Great Britain
Wages and salaries (a) of			
Operatives	5,198	386	5,584
Administrative, technical and clerical employees	656	46	702
Total	5,854	432	6,286
Employers' contributions to all National Insurance Schemes	160	13	173

(a) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work

TABLE 25	£'000		
	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery (a)			
New	88	4	92
Second-hand	1	-	1
Vehicles			
New	16	1	17
Second-hand	4	-	4
Total acquisitions	109	5	115
Disposals			
Plant and machinery	-	-	-
Vehicles	2	-	2
Total disposals	2	-	2
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	51	5	56

(a) Including mobile plant.

TABLE 26 - Payments for transport services for finished goods sold and materials and fuel purchased: Larger establishments

This table is not applicable to the trade.

APPENDIX B

Value of all building and civil engineering work done in 1951 in the United Kingdom, including output returned in trades other than the Building and Contracting Trade

Larger firms or undertakings

£'000

Kind of work done	Private firms					Public Authorities				Total
	Building and Contracting Trade			Construc- tional Engineer- ing Trade	Other trades	Hospital Author- ities	Local Author- ities	Govern- ment Depart- ments	Public Utili- ties	
	Firms employing 25 or more persons	Firms employing 11-24 persons	Total							
Main contract work (a)										
New building work done for building owners										
Temporary houses	56	..	56	..	..	-	..	-	-	56
Permanent prefabricated houses	19,707	..	19,707	3,676	47	-	218	-	-	294,100
New residential dwellings	220,541	31,359(b)	251,900							
Department stores and shops (including those combined with dwellings)	9,724	..	9,724	16	..	-	177	-	-	9,917
Hotels	2,197	..	2,197	..	..	-	-	8	-	2,206
Public buildings and public office buildings (buildings owned by Government, Local or other Public Authorities), except dwellings, schools, hospitals, factories and workshops	19,835	..	19,835	..	..	10	180	171	3,193(c)	23,388
Private office buildings	11,728	..	11,728	249	48	-	-	-	-	12,025
Hospitals, clinics, nursing homes, etc.	6,467	..	6,467	..	..	163	1	-	-	6,630
Schools and college buildings	46,206	..	46,206	..	..	9	831	12	-	47,057
Places of public worship and buildings connected therewith	3,079	..	3,079	..	..	-	-	-	-	3,079
Places of indoor entertainment (theatres, cinemas, etc.)	1,755	..	1,755	..	..	-	..	-	-	1,755
Electric power stations	23,553	..	23,553	4,327	227	-	-	-	-	28,106
Gasworks	6,400	..	6,400	2,087	1,747	-	-	-	-	10,233
Factories and workshops	74,670	..	74,670	15,869	656	9	224	13	-	105,887
Warehouses and storage premises	9,447	..	9,447	1,703	103					
Petrol filling stations, repair and other garages	2,865	..	2,865	324	6	-	-	-	-	21,383
Buildings for Service Departments	20,316	..	20,316	..	..	-	-	1,067	-	21,383
Farm buildings, horticultural buildings, greenhouses, etc. (excluding dwellings)	5,700	..	5,700	..	..	-	..	-	-	5,700
Exhibition stands and similar temporary structures	2,205	..	2,205	..	..	-	..	1	-	2,206
Other new building constructions	2,394	9,356	16,251	6,527 (d)	1,049	-	263	-	-	24,090
Unclassified new building construction	4,501									
Total value of new building work done for building owners	493,345	40,716	534,060	34,776	3,883	198	20,405	1,304	3,193	597,818

BUILDING AND CONTRACTING

Other work done on buildings for building owners										
Repair and maintenance work of all kinds on existing buildings (e.g., painting, decorating, plumbing, heating, lighting, (natural and artificial), carpentry work), including adaptation and conversion										
Private residential premises	59,064	45,428	104,492	..	190	84	18,798	78	-	123,642
Other premises	100,488	26,800	127,288	..	459	9,428	11,130	7,150	12,890	168,346
Shop and office fitting	3,905	..	3,905	..	..	5	90	-	-	3,999
Electrical work not included above	10,396	..	10,396	..	2,271	-	-	12	-	12,680
Unclassified	-	-	-	1,298	251	-	-	-	-	1,549
Total value of other work done on buildings for building owners	173,852	72,228	246,080	1,298	3,171	9,517	30,018	7,241	12,890	310,216
Other work done										
Demolition work not included above	2,142	..	2,142	..	39	-	127	1	-	21,501
Housing site preparation	14,350	..	14,350	..						
Factory site preparation	2,813	..	2,813	..	..	-	..	..	-	2,813
Civil engineering										
Opencast coal mining										
Coal raising	16,852	..	16,852	-	-	-	-	(e)	-	16,852
Prospecting, removal and re-instatement of overburden, etc.	4,075	..	4,075	-	-	-	-	-	-	4,075
Construction, alteration, repair or maintenance of										
Railways and light railways (permanent way, tunnels, bridges, etc.)	5,564	..	5,564	-	..	-	..	178	51,391	57,133
Tramways and trackless trolley systems (permanent way, overhead wires, etc.)	30	..	30	..	..	-	541	-	1,975	2,546
Highways (roads, bridges, footpaths, surface drains, etc.)	21,497	..	21,497	329	737	31	64,827	1,044	-	88,465
Airfields	18,842	..	18,842	..	..	-	..	158	-	19,000
Recreation or sports grounds (tennis courts, bowling greens, swimming pools, etc.)	2,796	..	2,796	-	41	8	2,807	9	..	5,661
Harbours, wharves, docks and piers, canals and waterways, sea walls and embankments	10,977	..	10,977	-	46	-	618	372	9,016	21,029
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)	19,292	..	19,292	18	76	6	798	89	4,859	25,138
Gas mains and works	7,255	..	7,255	..	..	-	-	12	7,788	15,055
Telegraph and telephone lines and works	2,164	..	2,164	..	4,330	-	-	11,785	1,556	19,835

BUILDING AND CONTRACTING

(9807)

12/A/42

(9807)

12/A/43

APPENDIX B (contd.)

£'000

12/A/44

Kind of work done	Private firms					Public Authorities				Total
	Building and Contracting Trade			Construc- tional Engineer- ing Trade	Other trades	Hospital Author- ities	Local Author- ities	Govern- ment Depart- ments	Public Util- ities	
	Firms employing 25 or more persons	Firms employing 11-24 persons	Total							
Main contract work (a) (contd.)										
Other work done (contd.)										
Civil engineering (contd.)										
Construction, alteration, repair or maintenance of (contd.)										
Sewers and sewage disposal works	15,517	..	15,517	..	..	14	6,002	47	-	21,586
Electric power and lighting lines and works	7,851	..	7,851	..	3,734	-	-	669	27,355	39,609
Mining development work (boring, sinking shafts, etc.)	789	..	789	..	..	-	-	-	-	789
Other and unclassified civil engineering	35,406	19,523(f)	54,929	13,896	1,018	15	96	474	2,376(d)	72,803
Total value of other work done	188,214	19,523	207,737	14,244	10,021	74	80,614	14,880	106,315	433,886
Unclassified main contract work	-	-	-	-	5,037	-	-	-	6,827	11,864
Total value of work done by main contractors (a)	855,411	132,467	987,877	50,317	22,113	9,789	131,037	23,424	129,226	1,353,784
Sub-contract work										
Work of all kinds done for other contractors										
Work on buildings done by specialist sub-contractors										
Patent glazing	949	..	949	..	1,489	-	-	-	-	2,438
Heating and ventilating	15,811	..	15,811	..	1,598	-	-	-	-	17,408
Electrical installation	12,923	..	12,923	..	..	-	-	-	-	12,923
Structural steelwork	1,915	..	1,915	12,599	429	-	-	-	-	14,943
Plant hire and scaffolding	9,347	..	9,347	..	202	-	-	56	-	9,605
Other and unclassified sub-contract work on buildings (e.g., flooring, roofing, plumbing)	48,111	..	48,111	4,545	6,790	-	-	-	-	59,446
Asphalting and tar spraying	7,823	..	7,823	..	..	-	-	-	-	7,823
Other and unclassified work (including pile driving and specialist and other sub-contract work not elsewhere specified)	15,513	15,777	31,290	2,009	5,081	-	-	-	-	38,380
Total sub-contract work	112,393	15,777	128,170	19,152	15,589	-	-	56	-	162,967
Main and sub-contract work unclassified	-	-	-	-	2,628	-	-	-	-	2,628

(a) The figures for main contract work include the value of work sub-let to other contractors.

(b) Described as residential premises.

(c) May include some workshops.

(d) Including some work on buildings, other than new, unclassified.

(e) The total value of coal raised during 1951 recorded by the Ministry of Fuel and Power (inclusive of the work carried out by contractors) amounted to £25,715,000.

(f) Including shop and office fitting and other electrical work on buildings.

BUILDING AND CONTRACTING

DS 9807/1/Wt.4003 K.4 6/56 CL
5194

GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchandising or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '...' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

Crown copyright reserved

Printed and published by
HER MAJESTY'S STATIONERY OFFICE

To be purchased from
York House, Kingsway, London W.C.2
423 Oxford Street, London W.1
P.O. Box 569, London S.E.1
13A Castle Street, Edinburgh 2
109 St. Mary Street, Cardiff
39 King Street, Manchester 2
Tower Lane, Bristol 1
2 Edmund Street, Birmingham 3
80 Chichester Street, Belfast
or through any bookseller

Printed in Great Britain