

# THE REPORT

on the
CENSUS OF PRODUCTION
FOR 1951

Volume 12

Trade A

**BUILDING AND CONTRACTING** 

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TWO SHILLINGS NET

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\* Not applicable to this trade

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#### 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.

## Summary

## (I) Larger private firms (a)

		United	Kingdom		(	Great Brita	in	United Kingdom
		1951		1949	1949	1948	1946	1935
	25 or more persons	11-24 persons	Total	Total	Total	Total	Total	Total
The second party to the second second	£, 000	£,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	)	1	347.665	341,123	h		
Payment for transport by other firms or hired haulage	10,376	F6,347	465,127	8,554	8,451	317,151	197,641	
Payments for hire of plant and machinery	13,234			9,311	9,280	1		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	No.	No.	No.	No.	No.	No.	No.	No.
employed (b)	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. 7,964	No. 10,616	No. 18,580	No. 16,090	No. 15,791	No. 16,162	No. 15,381	No. 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	693,383	880,789	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.

TABLE 1 (contd.)

- Adams					i a marka
states seems	Property and		Great Brita	in	
	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	12000 000
Average number of persons employed	No. 23.001	No. 26.391	No. 28,531	No. 23,527	No. 6,801
Net output per person employed	£ 491	£ 415	£ 383	£ 407	£ 135
Number of returns	No. 21	No. 18	No. 18	No. 13	No.

BUILDING AND CONTRACTING

(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 Females	231,691 9,898	288.103 8,493
Total	241,589	296.596
Net output per person employed (c)	£ 358	£
Number of returns	No. 75,632	No. 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.

## BUILDING AND CONTRACTING Estimated average employment (a)

(I) All private firms

	United K	ingdom	Great Eritain		
numbers and seed a control	1951	1949	1949	1948	
As returned by firms	000.7				
Employing on the average more than ten persons (b) Employing on the average ten or fewer persons (c)	997,999 241,589(d)	950.751	932,168	918.342 296,596	
200 00000	1,239,588			1,214,938	
Estimated average employment in firms not making satisfactory returns	61,000			69,900	
Fstimated average employment in all firms	1,300,588(d)			1,284,838	

(α) Including working proprietors.
(b) See Tables 13-(I)(iv) and 14-(I).
(c) See Tables 2 and 23(ii).

(d) Excluding any small firms in Northern Ireland.

#### (II) Government Departments

The average number of persons employed in all Government establishments in this trade was 23,001 in 1951, 26,391 in 1949 and 28,531 in 1948. See Table 14-(II).

#### Analysis by size, 1951

#### (I) Larger private firms in the United Kingdom

TABLE 4

100000000000000000000000000000000000000	n Tennadalida	And telefold to			F	01 00 100 00		
Average number employed	Firms	Gross output	Ne t output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
	No.	£.000	£,000	No.	£,000	£'000	£,000	£
11 - 24 25 - 49 50 - 99	10.614 4,202 2,134	149,558 142,129 154,197	73,134 68,807 71,774	170.819 146.470 146.956	45.836 48.177	5.622 6.295	54.177 51.458 54,473	428 470 488
100 - 199 200 - 299 300 - 399	934 286 137	144,061 82,573 57,041	64,208 35,994 24,974	126,647 68,774 47,141	43,717 24,147 16,897	5,528 3,242 2,113	49.245 27.389 19.010	507 523 530
400 - 499 500 - 749 750 - 999	65 71 41	37,959 54,938 47,513	15,449 24,582 20,183	28.668 42.406 34.978	9,951 15,555 12,788	1.936 2.600 2.164	11.887 18.156 14.952	539 580 577
1.000 - 1.499 1.500 - 1.999 2.000 - 2.499	26 15 13	41.643 34,216 37,621	17.542 14.267 18.349	30.729 25.884 28.597	10,758 8,923 11,808	1.947 1.552 1.971	12,704 10,475 13,780	571 551 642
2.500 - 3.999 4.000 - 4.999 5.000 and over	11 5 4	51,995 30,428 62,452	20,532 11,953 29,127	36.290 22.308 41.332	14.536 8.230 15.101	2.518 1.397 3.555	17.054 9.627 18.656	566 536 705
Total	18,558	1,128,323	510,875	997,999			383,042	512

(a) Administrative, technical and clerical employees.

TABLE 4 (contd.)

(II) Government Departments

		Gross output	Net output		R	emuneration		
Average number employed	Estab- lish- ments			Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
	No.	£,000	£,000	No.	£,000	£,000	£,000	£
25 - 199	3	274	192	394	137	22	159	488
200 - 299	3	422	291	786	233	39	272	370
300 - 499	4	881	703	1,666	554	61	616	422
500 - 749	6	2,192	1.515	3,701	1,216	156	1.372	409
750 and over	5	33,059	8,600	16,454	4,935	1,446	6,381	523
Total	21	36,828	11,302	23,001	7,075	1.724	8.799	491

(a) Administrative, technical and clerical employees.

(9807)

TABLE 5 - Analysis by standard region, 1951 Larger establishments in the United Kingdom

Detailed analysis by standard region is not available in this trade. The larger private firms and Government Departments were not required to make separate returns of the work done in the various regions.

Analysis according to specialisation within the trade, 1951

## (I) Larger private firms in the United Kingdom

TABLE 6

		30	Value of			Re	emuneration		
Kinds of work done	No. of returns	Gross output	charac- teristic products	Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
Specialist firms engaged in	No.	£,000	£,000	£,000	No.	£,000	£,000	£,000	£
Construction of new residential buildings (b)	1,792	199,166	155,991	74.095	156,532	52.805	5,170	57,975	473
Construction of new buildings other than residential (b)	824	188,390	129,102	75,618	145,296	50.545	7,474	58,020	520
Construction of residential and other new buildings not separately distinguished (b)	494	125,169	82,418	53,290	102.138	34.506	5.428	39,934	522
Total new	101	120,100	02,110	00,230	102,100	04,000	0,420	03,304	522
building (b) construction (c)	3.110 2.206	512,725 40,876	367,511 33,642	203,004 15,495	403,966 37,051	137.856	18.073	155,929 11,692	503 418
Total	5,316	553,601	401,153	218,498	441,017			167,620	495
Repairs, maintenance and conversion of existing buildings  (b)	2.177 5.95 <b>4</b>	100.537 70.994	79,772 61,023	53.777 38,919	119,262 94,042	38,143	4.731	42.874 29.319	451 414
Total	8,131	171,532	140,795	92,696	213,304			72,193	435
Work on highways and sewers (b)(d)	132	19,581	13,116	8,271	14,532	5,136	886	6.022	569
Other civil engineering (b)(d)	320	82,960	44, 587	43,375	69.812	27.708	3,963	31,671	621
Open cast coal mining (b)(d)	25	9,418	6,889	4,172	5,463	2,366	367	2,733	764
Specialist work (b)(d)									
Electrical work	369	36,509	36,241	17,876	35,058	10.245	2.708	12,953	510
Heating and ventilat- ing contracting	156	29.021	28.840	12,145	19,646	6.316	2.116	8,432	618
Other specialist work	1,342	134,266	131,991	70.422		41,649	7,411	49,059	627
Total specialist work (b)(d)	1,867	199.796	197.071	100,443	167.029	58,209	12,236	70.445	601
Remainder of the trade (b)	333 2.456	53,706 37,729	na Tillia	24.682 18.737		16,994	2,183	19,177 13,181	524 471
Total	18,580	1128,323		510,875	997.999			383,042	512

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

<sup>(</sup>b) Relates to firms employing 25 or more persons.

 <sup>(</sup>c) Relates to firms employing 11-24 persons.
 (d) Separate particulars for work on highways and sewers, other civil engineering work, open cast coal mining, and for specialist work by firms employing 11-24 persons were not ascertained.

## (II) Government Departments

TABLE 6 (contd.)

			Value of charac- teristic products	rem into the		Re	emuneration		
Kinds of work done	No. of returns	Gross output		Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
	No.	£,000	£,000	£'000	No.	£'000	£'000	£'000	£
Establishments engaged in					100000000000000000000000000000000000000				
New building construction (other than									The state of
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

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 con- tractors (b)					Total value of work done in
Tena Landar Transa III	Quantity	Value (a)	Entries	Value of work done	At end of year	Entries	At beginning of year		the year
	No.	£,000	No.	£,000	£'000	No.	£,000	No.	£,000
Firms employing 25 or more persons on the average							A Sheding		
Construction of new private residential premises (brick or stone walls)								or lin	
Purely residential houses	105,150	149,367 1,500	3.276	4,663	89.327	2,597	72,911	2,300	171,947
Purely residential flats and tenements	20.375	28.710 580	5 5 5 2	1.792	39,914	533	30,700	432	40,296
Residential premises not separately distinguished	410	513 25	} 17	500	38	6	41		1,035
Other new building construction									
Department stores and shops (including those combined with dwellings)	1,220	5.549 353	<b>507</b>	689	7,281	337	4.148	291	9.724

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

Work done by main contractors for building owners		ngs complet he year (a)	Work done by specialist main con- tractors (b)	Value	of work	in progr	ess	Total value of work done in the year	
Markey Louis	Quantity	Value (a)	Entries	Value of work done		Entries	At beginning of year	Entries	the year
Firms employing 25 or more persons on the average (contd.)  Other new building construction (contd.)	No.	£,000	No.	£'000	£,000	No.	£.000	No.	£,000
Hotels	185	1,585 222	205	202	642	80	453	85	2.197
Public buildings and public office buildings (buildings owned by Government, Local or other Public Authorities).	1793							o // 2011	
except dwellings, schools, hospitals and factories	1,098	12,121 980	667	2.596	17,639	556	13,502	4 07	19,835
Private office buildings	550 	6.228	452	566	13,514	253	8,897	2 03	11.728
Hospitals, clinics, nursing homes, etc.	4 07	3,074 896	413	1.038	4,839	320	3,380	238	6.467
Schools and college buildings	{ 1,232	22.672 1.336	793	2,948	54,114	887	34,864	703	46,206
Places of public worship and buildings connected therewith	₹ 333 	1.482 203	329	296	2.127	268	1.029	182	3.079
Places of indoor entertain- ment (theatres, cinemas, etc.)	117	2.388 165	} 131	127	639	56	1.564	41	1,755
Electric power stations	364	5,939 500	214	1.457	64,405	144	48,749	105	23,553
Gasworks	147	3.938 173	1 08	1,110	6.707	80	5,527	53	6,400
Factories and workshops	4,354	43.064 5.546	1,397	13.882	64,469	913	52.290	748	74,670
Warehouses and storage premises	845	4.376 678	580	1.267	7,668	3 02	4.542	247	9.447
Petrol filling stations, repair and other garages	1.047	1.987 183	581	113	1.874	207	1.291	143	2.865
Total		306.648		33,245	375.198		283.889	(d) • (f) (a	431,201
Firms employing 11-24 persons on the average					15 15 M				and .
Construction of new residential premises	20,583(c)	30,472(c)		(a)	(d)		(9)		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

(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 walue relates to all work done during the year, including work on uncompleted houses.

(d) Not recorded separately.

<sup>(</sup>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.

## 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)Å.

## TABLE 8(i)(B)

	United 1		Great Britain 1948	
Kind of work done	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)			read transfer	A PER DE PER DE
New building work done for building owners	A STATE OF THE LOCAL PROPERTY OF THE LOCAL P			
Temporary houses	56 (d)		6,314	470
Permanent prefabricated houses	19,707	31,359	46,042	1,993
New residential dwellings	220,541(e)	J	157,991	22,083
Factories, warehouses and other buildings	222,425(e)	h d	114,065(f)	
Buildings for Service Departments	20,316		1.862	
Farm buildings, horticultural buildings, greenhouses, etc. (excluding dwellings)	5,700	9.356	3,640(g)	4.489
Exhibition stands and similar temporary structures	2,205(h)		520	
Other new building construction	2,394		2,180	26311 1 au-
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)	1	3.174	and the second
Electrical work (wiring, fitting, etc. not included above)	10,396		7,321	
Other work done	A A L. STORE IN			Total Total
Demolition work, not included above	2,142(h)		3,203	

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

		Kingdom 951	Great Britain 1948		
Kind of work done	Firms employing 25 or more persons	Firms employing 11-24 persons	Firms employing 25 or more persons	Firms employing	
	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.)		1			
Other work done (contd.)				Maria Sanat weberda	
Housing site preparation	14,350(k)		15,569	rin-liberation	
Factory site preparation	2,813(h)		2,511(d)	Barren Stage	
Civil engineering				Property and the second	
Opencast coal mining (1)				March (French)	
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	Garace 1	
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	en aller too	
Harbours, wharves, docks and piers, canals and waterways, sea walls and embankments	10,977	Contract Contract	6,516	productions on and	
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)	19,292		6,795	Commence of the Commence of th	
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	TATE OF THE STATE	
Electric power and lighting lines and works	7,851		7.345	with the t	
Mining development work (boring, sinking shafts, etc.) (d)	789		819		
All other civil engineering	35,406		23,166		

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

	United 19		Great Britain 1948	
Kind of work done	Firms employing 25 or more persons	Firms employing 11-24 persons	Firms employing 25 or more persons	Firms employing
	Value of work done	Value of work done	Value of work done	Value of work done
	£'000	£, 000	£, 000	£, 000
Sub-contract work			The state of the s	A CONTRACTOR
Work of all kinds done for other contractors	Lines St.		A STATE OF THE STA	
Work on buildings done by specialist sub-contractors	A11180318		Statistic characters of	sale longue
Patent glazing	949	h (	1,290	
Heating and ventilating	15,811		9,391	
Electrical installation	12,923		6,682	
Structural steelwork	1,915		1,042	ary is in the second
Plant hire and scaffolding	9,347	15,777	4,650	8,924
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	age in		ACCESS TO LEGIS	
Main contract work (c)				
New building work done for building owners			1 204165 Hr	
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	111,01	A WAR COLOR	STREET, STREET	
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				Consider Village
Firms employing 25 or more persons	188	,214	127	201
Firms employing 11-24 persons (n)	19	, 523	10,	, 96 5
	207,737		138,	

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

Kind of work done	United Kingdom 1951	Great Britain 19 <b>4</b> 8	
la mades	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		principal and the paper allocate	
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.

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).

(y) 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)

	in the year main		Buildings completed done by specialist Value of work in			Total value of work done
	Quantity	Value (a)	Value of work done	At end of year	At beginning of year	in the year
Construction of new private residential premises (brick or stone walls)	No.	£,000	£, 000	£, 000	£,000	£'000
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 1000		379	13	50 10 - 55 V	156	236

<sup>(</sup>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	3.000
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	and the second s	THE PROPERTY OF THE PARTY OF TH
Private residential premises	78	240
Other premises	7.150	8,216
Exhibition stands and similar temporary structures	1	Alem 1894 tana lalama sengri 1888 Salama Salama Salama Salama
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	The state of the s	3 30383
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.)		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	47 4	40
Plant hire	56	
Total value of all work done	36,732	15,560

<sup>(</sup>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)

202	1951	1948	
	Value of work done	Entries	Value of work done
	£'000	No.	£,000
Main contract work			
New building construction		Mary Court Self	
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.)	The state of the s	original selection	en modernie pri nabrates Mi continui epiomole Minima mindolo iron
Residential premises	86,421		
Other buildings	25,079		104,237
All other main contract work done, including civil engineering work	12,621	COTOGRAT VELLES	
Work of all kinds done for other contractors	15,592		11,725
	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

<sup>(</sup>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			probability to be a fi	
Doors of a height and width not less than 6 feet and 2 feet respectively	41	115 27	198	361
Other doors	18.3	39 7	52	56
Fittings for shops, offices, etc.		282		230
Builders' woodwork		579		535
Window frames		56	29 337.2964 34 6	81
Other manufactured joinery and furniture	19 71	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

TABLE 10 (contd.)

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
		£,000	Million	£'000
Firms employing 25 or more persons (c) (contd.)	Carl Front 150	FORENCE NEEDS		
Bricks of brick-earth or clay	••	53	10.5	57
Precast concrete goods	Th.tons		Th.tons	
Walling blocks	23	82 16	129	153 23
Floor and roof units	1	4	Į 20	236
		17	1	43
Pipes and tubes		9	83	238
Other		576	79	330 245
Other building materials	161	152 63		37
Paving or road making materials	27 5	1,207		1.949
Monumental and architectural masonry		92		123
Heating and ventilating apparatus		80		13
Electrical goods		104		55
Machinery and vehicles, and parts thereof		315		212
Other manufactures of metal		165		460
Signs and signwriting		99		149
Other manufactures and waste products sold		1,344(c)		304
Work done				
New and repair work on ships		1,888		2,470
Repair and maintenance to vehicles		19		
Other work		319		270
Total		10,919		11,060
irms 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'.

# 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

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

TABLE 12

Materials used	Quantity
Timber (other than reclaimed), including that used for packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases	Th.cu.ft.
Hardwood	4,448.9
Softwood	41,786.9
Cast iron gutterings, pipes, etc. Steel	Th.tons 157.0
Angles, shapes and sections	156:5
Girders, beams, joists and pillars (not fabricated)	151.0
Steel for reinforcement	606.9
Tubes and fittings (including electrical conduits, etc.)	288.6

(a) Details for larger private firms employing 11-24 persons were not ascertained.

#### (II) Government Departments

TABLE 12 (contd.)

Materials used	Quantity
Timber (other than reclaimed), including that used for packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases	Th.cu.ft.
Hardwood	23.9
Softwood	306.1
Cast iron gutterings, pipes, etc. Steel	Th.tons
Angles, shapes and sections Girders, beams, joists and pillars (not fabricated) Steel for reinforcement Tubes and fittings (including electrical conduits, etc.)	1.8 0.6 1.1 2.6

#### BUILDING AND CONTRACTING

Employment in September

(I) Larger private firms

TABLE 13

(1) Operative	s (a)				Number
	United	Kingdom	Great B	ritain	United Kingdom
	1951(b)	1949(b)	1949(b)	1948(c)	1935
Males Under 18 All ages	46,072 750,088	48.056 745,259	46.767 730.341	44.353 698.229	
Females Under 18 All ages	135 1,821	81 1,829	81 1.823	95 1,552	•
Total Under 18 All ages	46,207 751,909	48.137 747.088	46,848 732,164	<b>44.44</b> 8 699.781	**************************************

(ii) Administrative, technical and clerical employees (a) (d)					Number
	United Kingdom		Great Britain		United Kingdom
	1951	1949	1949	1948	1935
Males Under 18 All ages Females	3,569 66,981	3,132 61,461	3.091 60.770	3.033 55,020	::
Under 18 All ages	3,460 22,808	3,466 21,455	3,391 21,109	3.322 19.337	
Total Under 18 All ages (e)	7,029 89,789	6,598 82,916	6.482 81.879	6.355 7 <b>4.</b> 357	::-

	United Ki	United Kingdom		Great Britain	
	1951	1949	1949	1948	1935
Males Under 18 All ages Females	65,524 971,274	63.385 927.575	61,886 909,976	61,503 881,508	31.854 486,480
Under 18 All ages	4,346 31,422	4.211 28.075	4,123 27,661	4.194 25,950	1,139 8,459
Total Under 18 All ages	69.870 1,002,696(e)	67,596 955,650(e)	66,009 937,637(e)	65,697 907,458(e)	32,993 494,939

(a) Returned by firms employing 25 or more persons only. Separate particulars for operatives and administrative, technical and clerical employees of firms employing k1-24 persons were not ascertained.
(b) In week ended September 22, 1951, and September 24, 1949.
(c) Average for the year.
(d) In week ended September 22, 1951, September 24, 1949, and September 25, 1948.
(e) Working proprietors. In addition working proprietors shown in Table 13(iv) below were engaged in this trade in larger private firms. The 1935 figures include working proprietors.
(f) Returned by firms employing 11 or more persons.

(iv) Working proprietors

Mari terrabia	United	Kingdom	Great Britain		
	1951	1949	1949	1948	
Firms employing on the average 25 or more persons					
Males Females	3,683 134	4,538 157	4,215 140	3,669	
Firms employing 11-24 persons					
Males Females	9,351 508	5,736 237	5.574 228	6.853 240	
Total working proprietors	13,676	10,668	10,157	10,884	

## (II) Government Departments

TABLE	13	(contd.)

(i) Operatives			EN CELEGO	Number
	TO MALE TO THE SHOOT	Great 1	Britain	
	1951(a)	19 <b>4</b> 9(a)	1948(b)	1935(b)
Males Under 18 All ages	277 19,853	101 26,286	164 25,716	45 6,435
Females Under 18 All ages	3 65	5 70	7 105	10
Total Under 18 All ages	280 19,918	106 26,356	171 25,821	45 6,445

(ii) Administra	ative, technical and cle	rical employees (c)	100	Number		
		Great Britain				
	1951	1949	1948	1935		
Males Under 18	9	200		3 114		
All ages Females	2,351	2,579	2,427	342		
Under 18 All ages	5 3 <b>4</b> 5	2 2 5 6	4 283	14		
Total			(A.) 850y	Name tatel elilance		
Under 18 All ages	2,696	2.835	5 2,710	3 356		

	10 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	Great B	ritain	Di Sabid
	1951	1949	1948	1935
Males		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 150 150	STATE AND THE
Under 18	286	102	165	48
All ages	22,204	28,865	28,143	6,777
Females		N. S.		
Under 18	8	7	11	-10× 11 E
All ages	410	326	388	24
Total	THE RESERVE THE PERSON NAMED AND POST OF	BUTEL OF BURNESSEEDS E	WAREST ONE PROPERTY.	
Under 18	294	109	176	48
All ages	22,614	29,191	28,531	6,801

(a) In week ended September 22, 1951, and September 24, 1949.
(b) Average for the year.
(c) In week ended September 22, 1951, September 24, 1949, September 25, 1948, and October 12, 1935.

#### BUILDING AND CONTRACTING

Average employment

## (I) Larger private firms (a)

TABLE 14					Number
	United Kingdom		Great Britain		United Kingdom
	1951	1949	1949	1948	1935
Firms employing 25 or more persons			THE PERSON NAME OF THE PARTY OF		Constitution of the Consti
Operatives Administrative, technical and	735, 435	734,676	719,698	699,781	ag and an experience
Clerical employees Firms employing 11-24 persons	87,890	82,183	81,147	74,357(b)	
Operatives Administrative, technical and	160.998(c)	111,020	109,143	120,649	
clerical employees	1	12,204	12.023	12,671	
Total	984,323	940,083	922,011	907.458	494.939(d)

(a) For employment in small private firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.
(b) In week ended September 25, 1948.
(c) Separate particulars were not ascertained.
(d) Including working proprietors.

## (II) Government Departments

TABLE 14 (contd.)			The second secon	Number	
	Great Britain				
	1951	1949	1948	1935	
Operatives Administrative, technical and	20,301	23,691	25,821	6,445	
clerical employees	2,700	2,700	2,710(a)	356(a)	
Total	23,001	26 391	20 521	0.001	

(a) In week ended September 25, 1948, and October 12, 1935.

## 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

### (I) Larger private firms

TABLE 16

				£'
	United Kingdom		Great Britain	
	1951	1949	1949	1948
ages and salaries (a) of		TO SERVE THE SERVE		
Firms employing 25 or more persons			Made September 1	
Operatives Administrative, technical and clerical employees	286,412	247,245	243,219	224,533
Firms employing 11-24 persons	42,439	35,000	34,683	29,880
Operatives Administrative, technical and clerical	54,192(b)	34,234	33,734	34,648
employees	1	3,826	3,786	3,731
Total	383,042	320,306	315,421	292,793
mployers' contributions to all National Insurance Schemes	10,439	9,861	9,680	7.770

(a) Including bonus and commission payments.(b) Separate particulars were not ascertained.

(9807)

(9807)

(II) Government Departments

£' 000

The second secon	Great Britain			
Management and Land and American Supering	1951	1949	1948	
Wages and salaries (a) of	SACE SACE S	2		
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

INDLE 17	
The second secon	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
A CONTRACT OF THE PARTY OF THE	
Total acquisitions	22.402
Disposals	
Plant and machinery (b)	2,593
Vehicles	1,366
Total disposals	3,959
New building work	THE STATE OF STREET
Capital expenditure on new building and other	
constructional work of a capital nature	0 504
(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

TABLE 17 (contd.)	£.00
	1951
Plant, machinery and vehicles Acquisitions	
Plant and machinery (c)  New  Second-hand	550 27
Vehicles New Second-hand	23
Total acquisitions	606
Disposals Plant and machinery (c) Vehicles	662
Total disposals	664
New building work Capital expenditure on new building and other constructional work of a capital nature	CARD DATE OF STREET
(excluding site values and development charges)	3

(c) Including mobile plant.

## 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

	L	arger private firm	<b>ns</b>	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	h		(	2.762
Payment for transport by other firms or hired haulage	454,787	10,339	465,127	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 t	he 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.

## (I) Small private firms in Great Britain (a)

· Control of the cont	England	Wales	« Scotland	Great Britain
	£,000	£,000	£,000	£,000
Gross output (production)	138,665	6,181	15,153	159,999
Cost of materials and fuel purchased and used and other charges (b)	56,432	2,645	6.723	65,801
Payment for work done on contracts sub-let	6,998	216	427	7,642
Net output	75,234	3,319	8,002	86,556
Wages and salaries of persons employed	39,448	1,679	4,606	45,733
Average number of persons employed (c)	No.	No.	No.	No.
Males Females	199,501 8,025	9,831 270	22,359 1,603	231,691 9,898
Total	207,526	10,101	23,962	241,589
Net output per person employed (c)	£ 362	£ 329	£ 334	£ 358
Number of returns	No. 66,412	No. 3,548	No. 5,672	No. 75,632

(a) Small private firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory

(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.

## Output in the trade

## Larger private firms (a)

For details of buildings completed in the year and specialist work, see Tables 8(i)(Å) and 8(i)(C).

TABLE 20 (i)

	Great Britain		Northern Ireland		United Kingdom	
Kind of work done	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Total	
	Value of work done in the year	Value				
	£,000	£, 000	£,000	£.000	£.000	
Building and civil engineering work carried out						
Main contract work						
New building work done for building owners						
Temporary houses				h		
Permanent prefabricated houses	19,382	30,472	382	887	271,663	
New residential dwellings	213,277	J	7,264	J		
Factories, warehouses and other buildings	218.587	1	3,839	h		
Buildings for Service Departments	20,316		(b)			
Farm buildings, horticultural buildings, greenhouses, etc. (excluding dwellings)	5,700	9,127	(b)	229	262,396	
Exhibition stands and similar temporary structures	2,205		(b)			
Other new building construction	1,059		1,335	J		
Total value of new building work done for building owners	480,525	39,599	12.820	1,116	534,060	

TABLE 20 (i) (contd.)

	Great	Britain	Northern	Ireland	United Kingdom
Kind of work done	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Total
selection and are selection of enter	Value of work done in the year	value			
Building and civil engineering work carried out (contd.)	£. 000	£.000	£,000	£.000	£'000
Main contract work (contd.)			AT AT SELECTION	Street Livery	
Other work done on buildings for building owners				(Alaba) 200	
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	344		seas is sure	STARSHIP OF	
Private residential premises	58,262	44,982	801	446	104,492
Other premises	99,302	26,368	1,186(c)	432	127,288
Shop and office fitting	3,905	(b)	(b)	(b)	3,905
Electrical work (wiring, fitting, etc. not included above)	10,396	(b)	(b)	(b)	10,396
Other work done					
Demolition work, not included above	2,142	(b)		(b)	2,142
Housing site preparation	14,155	(b)	195	(b)	14,350(d
Factory site preparation	2,813	(b)	The state of	(b)	2,813
Civil engineering		The street			
Opencast coal mining	1000	20	Delicio de Sau		
Coal raising	16,852	(b)	(b)	(b)	16,852
Prospecting, removal and reinstatement of overburden, etc.	4,075	(b)	(b)	(b)	4,075
Construction, alteration, repair or maintenance of	Consisting a	Marin Sais	Nacional a	er Lapont i 3	
Railways and light railways (permanent way, tunnels, bridges, etc.)	5,564		(b)		
Tranways and trackless trolley systems (permanent way, overhead wires, etc.)	30		(b)		
Highways (roads, bridges, footpaths, surface drains, etc.)  Airfields	20,567		930		
Recreation or sports grounds (tennis	18,842		(b)		
courts, bowling greens, swimming pools, etc.)	2.796		(b)		
Harbours, wharves, docks and piers, canals and waterways, sea walls and embankments	10,939	19,193	37	330	167,503
Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)	18,974		318	a design of the last	
Gas mains and works	7.255		(b)		
Telegraph and telephone lines and works	2,164	Date Accessed	(b)		
Sewers and sewage disposal works	14,962		556	MARKET SERVICE	
Electric power and lighting lines and works	7.851	eroes (	(b)	Paradas Sase	
Mining development work (boring, sinking shafts, etc.)	789		(b)		
All other civil engineering	34,655	,	751	)	
Total value of work done by main contractors	837,816	130,143	17,594	2,324	987,877

TABLE 20 (i) (contd.)

	Great	Britain	Northern	Ireland	United Kingdom	
Kind of work done	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Total	
	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	value	
	£,000	£,000	£.000	£,000	£, 000	
Building and civil engineering work carried out (contd.)			i de	one description		
Sub-contract work		NAME OF STREET	and nonemin	of the state and		
Work of all kinds done for other contractors						
Work on buildings done by specialist sub-contractors	ACT OF	1000134		ethic porter		
Patent glazing	949		TOTAL TENEDAT	100 to 100 to 1,000 to		
Heating and ventilating	15,811	1250.00		1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -		
Electrical installation	12,923			100000000000000000000000000000000000000		
Structural steelwork	1,915					
Plant hire and scaffolding	9,347	15,391	822	386	128,170	
Other sub-contract work on buildings (e.g., flooring, roofing, plumbing)	48,111			Carada Sand		
Asphalting and tar spraying	7,823			6 Detail 18 18	a master	
Other work done (including pile driving and specialist and other sub-contract work, not elsewhere specified)	14,692		2 0 2 5 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	The state of the state of	Section 2	
Total value of building and civil engineering work carried out	949,388	145,534	18,416	2,709	1,116,047	
Other output	188108			salvies tos		
Manufactured joinery	a división de la ma	A STANCE OF SERVICE	A. S.	9012062303		
	115	h		and the same of the	ALC: NEW YORK	
Doors of a height and width not less than 6 feet and 2 feet respectively	(Thous. 41) £'000	**************************************		to economic to		
Other doors	Thous. 18.3 £'000 7		ANTIR STATE		6	
Fittings for shops, offices, etc.	282					
Builders' woodwork	579	N. S. Harris	The second	16 20 22 2 20 20 20 20 20 20 20 20 20 20 2		
Window frames	56	(b)	(b)	(b)	(b)	
Other manufactured joinery and furniture	493			1 2 0 2 2 2 1		
Wood flooring and paving blocks	12	A SHALL SEED.		W Man Marin		
Coffins	115					
Wooden crates, boxes, etc.	1,163			20 A 3 TOP TO S		
Sawmill products (including staves, barrel ends and other parts of barrels, casks, etc.)	56			and ested in		
Portable garages, portable poultry houses and other portable buildings	46					
Furniture and cabinetware	274	Joseph Merce		1 100 to 2 102 1 1 108 2		
Manufactures of timber not specified above	271					
Bricks of brick-earth or clay	53					

TABLE 20 (i) (contd.)

	Great F	Britain	Northern	Ireland	United Kingdom
Kind of work done	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Total
	£,000	£'000	£'000	£,000	£'000
Other output (contd.)				and the Francis	State of the State
Precast concrete goods				explanation to the	(3) N. 66 (N. 19)
	Th. tons			paramet wer	
Walling blocks	£'000	100 M (4 800 M)		december of the base Transferrance of	e transiti opening
	16				
Floor and roof units	17				100000000000000000000000000000000000000
Pipes and tubes	1				
Other	576				1000
	1.52	9310	The state of the s		2 30 2700
Other building materials	(Th. tons) 161 £'000				A Company
Paving or road-making materials	63				dan elekse
Manufactured bituminous asphalt and emulsions	(Th. tons)	1,334	303	23	12.276
and the second of the second o	£,000				
Other road-making materials	791				
Monumental and architectural masonry	92				
Heating and ventilating apparatus Electrical goods	80				
Machinery and vehicles, and parts thereof	104	3 (3 (1) (2) (3) (4)	in the state of		
Other manufactures of metal	315 165		A. Comment		
Signs and signwriting	99				
Other manufactures and waste products sold	1.041				
Work done	1,041				
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.

## Output in the trade Small private firms (a)

	England and Wales	Scotland	Great Britain	
	Value of work done	Value of work done	Value of work done	
and the second s	£,000	£, 000	£'000	
Main contract work				
New building construction			CONTRACTOR SOR	
Residential premises	13,202	544	13,746	
Other new building construction	4,441	462	4,903	
Repair and maintenance work to buildings (e.g., painting, plumbing, heating, lighting, carpentry work, etc.)			photo partial	
Residential premises	78.767	7.654	86,421	
Other buildings	22,044	3,036	25,079	
All other main contract work done, including civil engineering work	10,290	2.331	12.621	
Work of all kinds done for other contractors	14,643	949	15,592	
	Value	Value	Value	
	£,000	£.000	£.000	
Goods made and sold and not used in the work shown above	1,459	177	1,636	
Total	144,845	15,153	159,999	

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

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  Larger private firms							
	Great Eritain		Northern Ireland		United N	lingdom	
	Employing 25 or more persons	Employing 11-24 persons (c)	Employing 25 or more persons	Employing 11-24 persons (c)	Employing 25 or more persons	Employing 11-24 persons (c)	Great Britain
Males Under 18 All ages Females Under 18 All ages	44.781 731.646 130 1.798	:: ::	1,291 18,442 5 23	:: ::	46.072 750,088 135 1,821	::	277 19,853 3 65
Total Under 18 All ages	44.911 733,444		1,296 18,465		46,207 751,909	::	280 19,918

TABLE 22 (contd.)

(ii) Administrative, technical and clerical employees

Number

	Larger private firms							
	Great	Great Britain		Ireland	United K	ingdom		
redeck	Employing 25 or more persons	Employing 11-24 persons (c)	Employing 25 or more persons	Employing 11-24 persons (c)	Employing 25 or more persons	Employing 11-24 persons (c)	Great Britain	
Males Under 18 All ages Females	3,505 66,032		6 <b>4</b> 9 <b>4</b> 9		3.569 66.981	:	9 2.351	
Under 18 All ages	3,398 22,430	#100 (#10 ) 100 #20 (#10 )	62 378	ortis i par	3,460 22,808	::	5 3 <b>4</b> 5	
Total Under 18 All ages	6.903 88.462(d)	::	126 1,327(d)		7.029 89.789(d)		14 2,696	

(iii) Total employees

	Larger private firms						
	Great	Great Britain		Ireland	United K	Kingdom	10000 P
	Employing 25 or more persons	Employing 11-24 persons (e)	Employing 25 or more persons	Employing 11-24 persons (e)	Employing 25 or more persons	Employing 11-24 persons (e)	Great Britain
Males Under 18 All ages Females Under 18 All ages	48.286 797.678 3.528 24.228	15,495 151,411 730 6,664	1.355 19.391 67 401	388 2,794 21 129	49,641 817,069 3,595 24,629	15,883 154,205 751 6,793	286 22,204 8 410
Total Under 18 All ages	51,814 821,906(d)	16,225 158,075(d)	1,422 19,792(d)	409 2,923(d)	53,236 841,698(d)	16,634 160,998(d)	294 22,614

(a) For average employment in small private firms see Table 23(ii).
(b) Number employed in the week ended September 22, 1951.
(c) Separate particulars for operatives and administrative, technical and clerical employees were not ascertained.
(d) Working proprietors. In addition working proprietors shown in Table 22(iv) below, were engaged in this trade in larger private firms.
(e) Average for the year.

(iv) Working proprietors

	Great	Great Britain		Ireland	United Kingdom		
082 (43	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 persons	Employing 25 or more persons	Employing 11-24 person	
Males Females	3.294 112	9.107 493	389 22	244 15	3.683 134	9,351 508	
Total	3,406	9,600	411	259	3,817	9,859	

## BUILDING AND CONTRACTING COUNTRY TABLES

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

Larger establishments

Average employment Larger establishments

TABLE 23(i)							Number		
	Larger private firms								
The second secon	Great	Britain	Northern	Ireland	United	Great			
	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)	Britain		
Operatives Administrative, technical and clerical employees	718,055 86,590		17,380		735.435	seente 1	20,301		
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

Average employment Small private firms (a) (b)

Number TABLE 23(ii) Great Britain England and Wales Scotland 19,381 209,332 3,438 22,359 22,819 231,691 Under 18 All ages Females 426 8,295 Under 18 All ages 193 619 8.898 1,603 Total 3,631 23,962 23.438 241.589 Under 18 All ages 19.807 217.627

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

TABLE 24

0,000

THE RESERVE OF THE PROPERTY OF THE PARTY OF	1						£ 000	
		Larger private firms						
	Great Britain		Northern	Ireland	United			
	Employing 25 or more persons	Employing 11-24 persons (α)	Employing 25 or more persons	Employing 11-24 persons (a)	25 or more		Great Britain	
Wages and salaries (b) of								
Operatives Administrative, technical	281,101		5,310		286,412		7,075	
and clerical employees	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

	Laı	Government Departments		
Committee of the second state of the contract	Great Britain	Northern Ireland	United Kingdom	Great Britain
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery (b)				3 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10
New	13,460	156	13,616	550
Second-hand	1,764	60	1,824	27
Vehicles				21
New Second-hand	5,222	136	5,358	23
Second-nand	1,560	44	1,604	6
Total acquisitions	22,006	396	22,402	606
Disposals				-
Plant and machinery (b)	0.550	WE TANK TO SEE		
Vehicles	2,576	17	2,593	662
The state of the s	1,334	32	1,366	3
Total disposals	3,909	49	3,959	664
New building work				004
Capital expenditure on new building and other constructional work of a capital	NAME OF THE PARTY			
nature (excluding site values and				
development charges;	0.404			
7	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.

## HOSPITAL AUTHORITIES (BUILDING AND CIVIL ENGINEERING)

#### 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)

TABLE 1

	1951
the state of the s	£,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)

TABLE 2

	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 Females	561
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.

## 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) Employing on the average ten or fewer persons (b)	15.782 563		
	16,345		
Estimated average employment in establishments not making satisfactory returns	See it simm		
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						1	Remuneration		
	Establish- ments	Gross oùtput	Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed	
	No.	£,000	£,000	No.	£.000	£'000	£'000	£	
11 - 24	95	1,088	700	1,719	587	85	672	4 07	
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

			Net output			F	Net output		
Region	Estab- lish- ments	Gross output	Value	Percent- age of total	Persons employed	Operatives	Other employees (a)	Total	per person employed
	No.	£,000	£,000		No.	£'000	£.000	£,000	3
England									
Northern	18	339	195	2.9	461	1 54	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	5 5 6	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	7 02	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)

		ngs comple he year (a		Valu on h	Total value of			
	Quan ti ty	Value (b)	Entries	At end of year	Entries	At beginning of year	Entries	work done in the year
A CONTRACTOR OF THE PARTY OF TH	No.	£'000	No.	£,000	No.	£.000	No.	£'000
Construction of new private residential premises (brick or stone walls)		adam to t						2 000
New residential dwellings	8	11		1	1000000	4		
Other new building construction		100	0 - 2 200			4	••	8
Schools and college buildings owned by Government, Local and other Public		eres production and the second	#1900 D					
Authorities	4	5		4		-	-	9
Hospital premises	108	67 40	40 14	76	23	20	17	163
Factories, workshops, warehouses, storage premises, and repair and other garages	5	1 1	5	7		1	••	9
Total	B - water as	125	adua ya	88	31 375 TU	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).

TARIF 8 (1)(R)

	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, <b>storage</b> 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	100 100 100 100 100 100 100 100 100 100		
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	
And the second control of the second control	Value of work done	Entries
C	£,000	No.
Construction of new buildings other than residential premises		00
Repair and maintenance work to buildings (e.g., painting,	1	60
decorating, plumping, 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
Cool 1 1	£'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	124
Vehicles	13
Furniture, cabinet ware, etc.	12
Surgical instruments	8
Other work	
Total	41
10/01	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

TARIF 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	The Control of the Co
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

Object speed	Operatives	Administrative, technical and clerical employees	Total employees
Males Under 18 All ages	218 14.192	21 1.282	239 15. <b>474</b>
Females Under 18 All ages	5 149	6 90	11 239
Total Under 18 All ages	223 14.341	27 1.372	250 15.713

(a) In week ended September 22, 1951.

#### Average employment

### Larger establishments in Great Britain (a)

TABLE 14	Number
	1951
Operatives Administrative, technical and clerical employees	14.437 1.345
Tatal	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.

## HOSPITAL AUTHORITIES (BUILDING AND CIVIL ENGINEERING)

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 Administrative, technical and clerical employees	5,584 702
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

	£	. 0	0	0
10 20 20			310	1760

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
	£,000	£'000	£,000	£.000
Gross output (production)	8,884	473	630	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	201	30
Total amount paid for the hire of plant and machinery	8		and the second of a	9
Net output	5.878	3 0 5	425	6.608
Mages 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)

TABLE 19				
1	England	Wales	Scotland	Great Britain
	£'000	£,000	£,000	£.000
Gross output (production)	274	10	84	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	3 97
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)

TA	B	LE	2	0	(	()

(9307)

	England and Wales	Scotland	Great Britain	
	Value	Value	Value	
	£.000	£.000	£,000	
Building and civil engineering work carried out		as garages de l		
New building construction			8	
New residential dwellings	8		•	
Schools and college buildings owned by Government, Local and other Public Authorities	9	Manual Property	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			5	
Shop and office fitting	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)			pinetes in their ing france tents alved modify to an excess twent	
Private residential premises	79	5	84	
Hospital premises	8,801	6 08	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
and on the second secon	£.000	6,000	€.000
Building and civil engineering work carried out (contd.)			
Other work done			
Construction, alteration, repair or maintenance of			Will decid
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,			14
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			
Coods 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	<u> </u>	41
Total	9,358	630	9.987

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

## Output in the trade

## Small establishments (a)

## TABLE 20 (ii)

	England and Wales	Scotland	Great Britain
	Value of work done	Value of work done	Value of work done
Construction of new buildings other than	€,000	£,000	£,000
residential premises	1	- 20	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.

All ages

## Employment in September Larger establishments (a)(b)

TABLE 22 (i) Operatives							
(1) operation	England and Wales	Scotland	Great Britain				
Males Under 18 All ages	182 13,125	36 1.067	218 14.192				
Females Under 18 All ages	5 148	1	5 149				
Total Under 18 All gges	187 13.273	36 1.068	223 14.341				

(ii) Administrative, technical and clerical employees						
	England and Wales	Scotland	Great Britain			
Males Under 18 All ages Females Under 18 All ages	19 1,201 6 70	2 81 - 20	21 1.282 6 90			
Total Under 18 All ages	25 1.271	2 1 01	1.372			

	England and Wales	Scotland	Great Britain
Males Under 18	201	38	239
Äll ages Females	14.326	1.148	15.474
Under 18 All ages	11 218	21	239
Total Under 18 All ages	212 14,544	38 1.169	250 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)		4	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)

Num2							
	England and Wales	Scotland	Great Britain				
Males Under 18 All ages	6 421	1 140	7 561				
Females Under 18 All ages	- 2	. H. I.	2				
Total Under 18 All ages	6 423	1 140	7 563				

(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 Administrative, technical and	5,198	386	5,584	
clerical employees	656	46	7 02	
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

## Larger establishments

TABLE 25

£'000						
	England and Wales	Scotland	Great Britain			
Plant, machinery and vehicles						
Acquisitions						
Plant and machinery (a)						
New	88		92			
Second-hand	1		32			
Vehicles			•			
New	16	1	17			
Second-hand	4		4			
Total acquisitions	109	5	115			
Disposals	Di Serimpi de des establicas e					
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			
			30			

(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.

Private firms

Total

Constructional

Engineer-

ing Trade

Building and Contracting Trade

Firms

employing 11-24

persons

Firms employing 25 or more

persons

Kind of work done

New building work done for building owners

Construction, alteration, repair or

(permanent way, tunnels, bridges, etc.)

Tramways and trackless trolley systems (permanent way, overhead wires, etc.)

Highways (roads, bridges, footpaths, surface drains, etc.)

Recreation or sports grounds (tennis courts, bowling greens, swimming

Harbours, wharves, docks and piers, canals and waterways, sea walls and

Waterworks (reservoirs, aqueducts, wells, mains, hydraulic works)

Telegraph and telephone lines and

5,564

21,497

18,842

2,796

10,977

19,292

7,255

2,164

30

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Railways and light railways

maintenance of

Airfields

pools, etc.)

embankments

Gas mains and works

Main contract work (a)

Total

Public Authorities

Local Author-

ities

Hospital Author-

ities

Other

trades

Govern-

ment Departments Public Util-

ities

57,133

2,546

88,465

19,000

5,661

21,029

25,138

15,055

19,835

178

1.044

158

9

372

89

12

11.785

541

64,827

2,807

618

798

31

6

51,391

1.975

9,016

4,859

7,788

1,556

Temporary houses	56		56	••	•••	-				36	
Permanent prefabricated houses	19,707	2	19.707			•	218	-	-	294,100	
New residential dwellings	220,541	31.359(b)	251,900	3,676	47	8	18,511	32	-	234,100	B
Department stores and shops (including	220,041	01,000(=)	202,000		•						LI
those combined with dwellings)	9.724		9,724	16		-	177	•	•	9,917	L
Hotels	2,197		2,197			-	•	8	•	2,206	Z
Public buildings and public office						9 7 9		1 20	1000 10		5
buildings (buildings owned by Government, Local or other Public Authorities),											M
except dwellings, schools, hospitals,							100	171	3,193(c)	23,388	E
factories and workshops	19,835	1	19,835	••	••	10	180	171	3,153(0)	12,025	8
Private office buildings	11,728	••	11,728	249	48	100				6,630	Z
Hospitals, clinics, nursing homes, etc.	6,467		6,467	••	••	163	1	12		47.057	KA
Schools and college buildings	46,206		46,206	••	••	9	831	12		47,037	7
Places of public worship and buildings connected therewith	3,079		3,079				-	•	-	3,079	PINT
Places of indoor entertainment (theatres, cinemas, etc.)	1,755		1,755				1.	-	-	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			13	•		
Warehouses and storage premises	9,447		9,447	1,703	103	9	224	-		105.887	
Petrol filling stations, repair and other			0.005	324	6					13	
garages	2,865	••	2,865	3		1 - 1		1.067		21,383	
Buildings for Service Departments	20,316		20,316	••	1 18		2121	1,007			
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	
Other new puriting compertuois				0,021,1-1	_,						
Unclassified new building construction	4,501	3.330									
Unclassified new building construction  Total value of new building work done		40,716	534,060	34,776	3,883	198	20,405	1,304	3,193	597.818	
Unclassified new building construction	4,501			34.776	3,883	198	20,405	1,304	3,193	597.818	
Unclassified new building construction  Total value of new building work done				34,776	3,883	198	20,405	1,304	3,193	597,818	
Unclassified new building construction  Total value of new building work done				34,776	3,883	198	20,405	1,304	3,193	597,818	
Unclassified new building construction  Total value of new building work done for building owners  ther work done on buildings for building				34,776	3,883	198	20,405	1,304	3,193	597,818	
Unclassified new building construction  Total value of new building work done for building owners  ther 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				34,776	3,883	198	20,405	1,304	3,193		
Unclassified new building construction  Total value of new building work done for building owners  ther 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	493,345	40,716	534,060			84	18.798	78		123.642	
Unclassified new building construction  Total value of new building work done for building owners  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	493,345	40,716 45,428 26,800	104.492 127.288		190 459	84 9,428	18,798 11,130			123.642 168.346	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises	59,064 100,488	40,716	104.492 127,288 3,905		190 459	84	18.798	78 7,150		123.642 168.346 3.999	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified	59,064 100,488 3,905	40,716 45,428 26,800	104.492 127.288		190 459	84 9,428 5	18,798 11,130	78 7,150		123.642 168.346	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above	59,064 100,488 3,905	40,716 45,428 26,800	104.492 127.288 3.905 10.396		190 459  2.271	84 9,428 5	18,798 11,130	78 7,150		123.642 168.346 3,999 12,680	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on	59,064 100,488 3,905 10,396	45.428 26.800 	104.492 127.288 3.905 10,396	1,298	190 459  2,271 251	84 9,428 5	18.798 11.130 90 -	78 7,150 - 12	12,890	123.642 168.346 3.999 12.680 1.549	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners	59,064 100,488 3,905 10,396	45.428 26.800 	104.492 127.288 3.905 10,396	1,298	190 459  2,271 251 3,171	84 9,428 5	18.798 11.130 90 -	78 7,150 - 12	12,890	123.642 168.346 3.999 12.680 1.549	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above	59,064 100,488 3,905 10,396 - 173,852	45,428 26,800  - 72,228	104.492 127.288 3.905 10.396 - 246.080	1,298	190 459  2,271 251	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7.150 - 12 - 7.241	12,890	123.642 168.346 3.999 12.680 1.549	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above  Housing site preparation	59.064 100.488 3.905 10.396 - 173.852 2.142 14.350	45,428 26,800  72,228	104.492 127.288 3.905 10.396 - 246.080 2.142 14.350	1,298 1,298	190 459  2.271 251 3.171	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7,150 - 12 - 7,241	12,890	123,642 168,346 3,999 12,680 1,549 310,216	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above  Housing site preparation  Factory site preparation	59,064 100,488 3,905 10,396 - 173,852	45,428 26,800  - 72,228	104.492 127.288 3.905 10.396 - 246.080	1,298	190 459  2,271 251 3,171	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7.150 - 12 - 7.241	12,890	123,642 168,346 3,999 12,680 1,549 310,216	
Unclassified new building construction  Total value of new building work done 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above  Housing site preparation  Factory site preparation  Civil engineering	59.064 100.488 3.905 10.396 - 173.852 2.142 14.350	45,428 26,800  72,228	104.492 127.288 3.905 10.396 - 246.080 2.142 14.350	1,298 1,298	190 459  2.271 251 3.171	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7,150 - 12 - 7,241	12,890	123,642 168,346 3,999 12,680 1,549 310,216	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above  Housing site preparation  Factory site preparation  Civil engineering  Opencast coal mining	59,064 100,488 3,905 10,396 - 173,852 2,142 14,350 2,813	45,428 26,800  72,228	104.492 127.288 3.905 10.396 - 246.080 2.142 14.350 2.813	1,298 1,298	190 459  2.271 251 3.171	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7.150 - 12 - 7.241 1 42	12,890	123.642 168.346 3.999 12.680 1.549 310.216	borborn
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above  Housing site preparation  Factory site preparation  Civil engineering  Opencast coal mining  Coal raising	59.064 100.488 3.905 10.396 - 173.852 2.142 14.350	45,428 26,800  72,228	104.492 127.288 3.905 10.396 - 246.080 2.142 14.350	1,298 1,298	190 459  2.271 251 3.171	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7,150 - 12 - 7,241	12,890	123,642 168,346 3,999 12,680 1,549 310,216	
Unclassified new building construction  Total value of new building work done for building owners  ther 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  Other premises  Shop and office fitting  Electrical work not included above  Unclassified  Total value of other work done on buildings for building owners  ther work done  Demolition work not included above  Housing site preparation  Factory site preparation  Civil engineering  Opencast coal mining	59,064 100,488 3,905 10,396 - 173,852 2,142 14,350 2,813	45,428 26,800  72,228	104.492 127.288 3.905 10.396 - 246.080 2.142 14.350 2.813	1,298 1,298	190 459  2.271 251 3.171	84 9,428 5 - - 9,517	18.798 11.130 90 - - 30.018	78 7.150 - 12 - 7.241 1 42	12,890	123.642 168.346 3.999 12.680 1.549 310.216	borton and

5,564

21,497

18,842

2,796

10,977

19,292

7.255

2.164

30

..

329

18

737

41

46

76

4,330

		Pri	vate firm	S			Public Aut	horities			
	Building a	nd Contract	ing Trade							•	
Kind of work done	Firms employing 25 or more persons	Firms employing 11-24 persons	Total	Construc- tional Engineer- ing Trade	Other	Hospital Author- ities	Local Author- ities	Govern- ment Depart- ments	Public Util- ities	Total	
The state of the second							-6		**************************************		•
Main contract work (a) (contd.)	200 10										
Other work done (contd.)  Civil engineering (contd.)											
Construction, alteration, repair or maintenance of (contd.)	ersperific						8 8 8 2 2 3 ·			2.661	
Sewers and sewage disposal works	15,517		15,517			14	6,002	47		21,580	
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			5		1.	24.0	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	2018 L	-	- 1	- 1	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			1.0								-
Work of all kinds done for other contractors	arms t							(to)		365333	
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	-	- 4	-	-	17,408	
Electrical installation	12,923		12,923	3 .1		-	7 400	-	- 1	12,923	
Structural steelwork	1,915		1,915	12,599	429	-	783	-3		14,943	
Plant hire and scaffolding	9,347		9,347		202	-	- 1	56	-	9,605	
Other and unclassified sub-contract work on buildings (e.g., flooring, roofing, plumbing)	48.111	838   1	48.111	4.545	6.790	6 214	26 FOTB	01447	\$ 880 J	59,446	
Asphalting and tar spraying	7,823		7.823							7,823	
Other and unclassified work (including pile driving and specialist and other	7,023		7,023	2 2 2 3 4 1 1 2 3 4 1	2.211	- 1		13		73 680	
sub-contract work not elsewhere specified)	15,513	15,777	31,290	2,009	5,081	-21	-201	-	•	38,380	
Total sub-contract work	112,393	15,777	128,170	19,152	15,589	0 150		56	•	162,967	
Main and sub-contract work unclassified	-	-	-	-	2,628		•		· - 1	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.

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.5d. 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 merchanting 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 parttime 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  $v\alpha lue\,.$ 

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 exworks 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.

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