

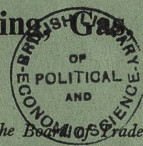


BOARD OF TRADE

THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1949

VOLUME 12

Building and Contracting, Gas, Electricity and Water



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

LONDON: HER MAJESTY'S STATIONERY OFFICE.

1953

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# The Report on the Census of Production for 1949

## Volume 12. Building and Contracting, Gas, Electricity and Water

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report, but also the general explanations and qualifications contained in the separate booklet published in this series entitled "The Report on the Census of Production for 1949: Introductory Notes," price 9d. net.

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1-A	A Building and Contracting ... ..	200 (1), 200 (3), 201, 202 (1) and 202 (2) (part)	<p>The construction, alteration, repair and maintenance of buildings, high-ways, sewers, waterworks, harbours and canals, electric wiring, heating and other installation work, housing site preparation, opencast coal mining, 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), and by Government establishments which employed direct labour.</p> <p>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 pre-fabricated 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)</p> <p style="margin-left: 20px;">1. Private firms ... .. 12/3                      2. Government establishments ... .. 12/3                      3. Private firms and government establishments; analysis by industrial area in Great Britain ... .. 12/4</p>	12/3 12/3 12/4
1-B	B Local Authorities (Building and Civil Engineering)	200 (2) and 202 (2) (part)	<p>Work of building construction, repair and renewal, and civil engineering work carried out by persons in the direct employment of Local Authorities. The report does not include any building or civil engineering work carried out by employees of Public Utility Undertakings owned by Local Authorities, or work done on behalf of Local Authorities by contractors. Particulars of work done by such undertakings or contractors are included in the reports on the trades concerned.</p> <p>Certain classes of maintenance work (e.g. street cleaning and watering, the collection and disposal of refuse, the activities of park and green keepers and gardeners maintaining flower beds and greens) were not considered as production for the purpose of the Census and all particulars relating to such work are excluded. The report also excludes work done by employees of parish councils and parish meetings ... ..</p>	12/5
1-C	C Railways (Civil Engineering) ... ..	202 (part)	<p>The construction or repair of permanent way, bridges, tunnels and stations, and other civil engineering work on railway property by railway undertakings.</p> <p>The 1935 report on Railway Companies related to the output of all railway establishments engaged on productive work, i.e. civil engineering work on railway property, the manufacture and repair of railway locomotives, carriages and wagons, and all miscellaneous manufacturing. For that report detailed returns on an establishment basis were not obtained and, accordingly, it has not been possible to reclassify the figures for 1935 strictly in accordance with the Standard Industrial Classification. Approximate figures are given for that year corresponding roughly with those for 1948, but relating to the United Kingdom ... ..</p>	12/5
1-D	D Tramway, Trolley Bus and Omnibus Undertakings (Civil Engineering)	202 (2) (part)	<p>The construction or repair of permanent way, shelters, stopping place signs, depots, workshops, offices, etc., by operators of tramway and trolley bus services or of omnibus and motor coach services running to regular schedules. Undertakings operating road goods services and omnibus and motor coach services not running to regular schedules are excluded ... ..</p>	12/6
1-E	E Canal, Dock and Harbour Undertakings (Civil Engineering)	202 (2) (part)	<p>The construction or repair of canals, waterways, harbours, docks, sea-walls, etc., by civil engineering establishments of Canal, Dock and Harbour Undertakings.</p> <p>The 1949 and 1948 particulars include, whilst the 1935 particulars exclude, establishments in this trade maintained by railway undertakings, as railway companies were not required to make separate establishment returns in the earlier year. It is estimated that the net output and employment shown for 1935 is deficient on this account by about 30 per cent. ... ..</p>	12/6

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Table No.	Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade are wholly or mainly engaged	Page
1-F	F Gas Supply Industry ... ..	210	<p>The production and distribution of gas. Establishments producing gas for use by works under the same control are excluded, being classified to the trades covering the major output of the parent works.</p> <p>The Gas Supply Industry was brought under public ownership on May 1, 1949. On that day, the British Gas Council and 12 Area Gas Boards took over the ownership and operation of all gas undertakings throughout Great Britain, with the exception of railway and transport undertakings and some small gas works attached to other industries which made gas for public supply. These undertakings not taken over by the Gas Boards accounted for less than 1 per cent. of the total net output of the industry in Great Britain.</p> <p>Gross output in this trade in 1949 and 1948 is arrived at by aggregating the sales of gas, the sales of coke and other by-products (adjusted for stocks), value of work charged for, rents of meters and appliances, the net receipts from the sale of appliances and the value of new constructional work carried out by employees of gas undertakings.</p> <p>Figures for gas sold and gas purchased in the output and materials headings in 1949 have been adjusted to exclude bulk inter-sales of gas, thus eliminating duplication from gross output. For this reason, particulars of gross output and cost of materials used are not exactly comparable with those for the earlier years.</p> <p>Undertakings in this trade returned their materials and fuel "purchased and used" and not "purchased" as in other trades, with the exception of coke and other by-products which were recorded on the basis of purchases. The net output in 1949 and 1948 is thus arrived at by deducting from gross output the cost of purchased materials and fuel used, including the cost of coke and other by-products purchased.</p> <p>In 1935 information was not obtained about the sale of appliances, and the value of new constructional work carried out by employees of gas undertakings was not included in gross and net output. It has not been possible to revise the published 1935 figures on a basis comparable with the figures for later years</p>	12/7
1-G	G Electricity Supply Industry ... ..	211	<p>The production and distribution of electricity. Establishments producing electricity for use by works under the same control are excluded, being classified to the trades covering the major output of the parent works.</p> <p>Gross output in this trade in 1949 and 1948 is arrived at by aggregating the sales of electricity, and by- and waste products, rents received, net receipts from sale of appliances, value of work charged for and the value of new constructional work carried out by employees of electricity undertakings. The figures for 1935 exclude meter rents, receipts for hire of appliances and net receipts from the sale of appliances, none of which was ascertained</p>	12/7
1-H	H Water Undertakings ... ..	212	<p>The purification and distribution of water. Private water works maintained by establishments primarily for their own use are excluded.</p> <p>Gross output in this trade is the total value of water supplied and of the value of work charged for and the value of new constructional work done by employees of water undertakings.</p> <p>1. Local Authorities ... .. 12/8 2. Companies ... .. 12/8</p>	12/8

Table 2.—Employment in larger establishments. Numbers employed in week ended September 24, 1949 ... .. Page 12/9

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Table 1—A Building and Contracting Trade

1. Private Firms

	Unit	1949						1948	1935
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Firms employing on average more than 10 persons (a)</b>	No.				15,774	299(b)	16,073(b)	16,143	8,862
Total value of work done and goods sold (x) ... ..	£'000	732,605	46,110	95,438	874,153	14,596	888,749	800,176	212,740
Cost of materials and fuel purchased and used ... ..	"	388,412	24,915	51,045	337,980	6,541	344,521	413,634	114,323
Payment for transport by other firms or hired haulage ... ..	"				8,147	102	8,250		
Payment for hire of plant and machinery ... ..	"				9,280	30	9,311		
Payment for work done on contracts sub-let ... ..	"				108,964	1,682	110,646		
Net output (x)... ..	"	344,193	21,195	44,393	409,782	6,240	416,021	386,542	98,417
Average number employed (x) { operatives ... ..	No.	776,915	46,978	103,131	824,498	16,855	841,353	815,593	455,526
{ other workers ... ..	"				92,369	1,217	93,586	86,115	39,413
Working proprietors ... ..	"				10,157	511	10,668	10,884	10,884
Total employment including working proprietors... ..	"	776,915	46,978	103,131	927,024	18,583	945,607	912,592	494,939
Net output per person employed ... ..	£	443	451	430	442	336	440	424	199
Wages and salaries (c) (x) { of operatives ... ..	£'000	263,609	15,763	33,867	275,218	4,527	279,745	257,302	..
{ of other workers ... ..	"				38,021	358	38,378	33,150	..
<b>Firms employing on average 10 or fewer : number of returns</b>	No.	99,010	4,215	6,521	109,746	937	110,683	92,666	..
Average number employed (including working proprietors)	"	316,163	12,037	26,821	355,021	4,338	359,359	296,596	..
<b>All firms (including those not making satisfactory returns) : estimated average employment</b> ... ..	"	1,139,315	60,740	133,894	1,333,949	22,921(b)	1,356,870(b)	1,279,088	..

Table 1—A Building and Contracting Trade

2. Government Establishments (d)

	No.	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	8(e)
<b>Establishments employing on average more than 10 persons</b> ...	No.				18	(b)	18(b)	18	8(e)
Total value of work done and goods sold (f)(x) ... ..	£'000	12,866	739	1,401	15,006	..	15,006	15,560	1,198
Cost of materials and fuel purchased and used ... ..	"	3,439	183	431	3,439	..	3,439	3,890	277
Payment for transport by other firms or hired haulage ... ..	"				342	..	342	355	
Payment for hire of plant and machinery ... ..	"				273	..	273	381	
Payment for work done on contracts sub-let ... ..	"	—	—	—	—	..	—	..	
Net output (x)... ..	"	9,427	556	970	10,952	..	10,952	10,935	921
Average number employed (x) { operatives ... ..	No.	22,338	1,336	2,717	23,691	..	23,691	25,821	6,445
{ other workers ... ..	"				2,700	..	2,700	2,710	356
Total employment including working proprietors... ..	"	22,338	1,336	2,717	26,391	..	26,391	28,531	6,801
Net output per person employed ... ..	£	422	416	357	415	..	415	383	135
Wages and salaries (c) (x) { of operatives ... ..	£'000	7,715	458	865	7,897	..	7,897	7,841	..
{ of other workers ... ..	"				1,141	..	1,141	1,128	..
<b>Establishments employing on average 10 or fewer : number of returns</b> ... ..	No.	—	—	—	—	—	—	—	..
Average number employed (including working proprietors)	"	—	—	—	—	—	—	—	..
<b>All establishments (including those not making satisfactory returns) : estimated average employment</b> ... ..	"	22,338	1,336	2,717	26,391	(b)	26,391(b)	28,531	..

(For notes see page 12/10.)



Table 1-A Building and Contracting Trade

3. Analysis by Industrial Areas in Great Britain

	Private Firms				Government Establishments					
	Net Output		Average number of persons employed	Wages and salaries paid	Net Output		Average number of persons employed	Wages and salaries paid		
	Value	Percentage of total			Value	Percentage of total				
	£'000	£'000	No.	£'000	£'000	£'000	No.	£'000		
England :-										
Greater London	239,136	115,095	28.1	249,093	90,656	3,483	2,877	26.3	7,057	2,379
Lancashire, Cheshire and the High Peak District of Derbyshire	94,082	43,732	10.7	99,547	33,170	651	469	4.3	932	383
West Riding of Yorkshire	46,793	21,656	5.3	47,953	16,041	401	323	2.9	657	249
Northumberland, Durham and the North Riding of Yorkshire	48,999	22,396	5.5	48,150	16,176	349	240	2.2	577	191
Warwickshire, Worcestershire and Staffordshire	62,436	27,998	6.8	62,115	21,173	988	755	6.9	1,524	583
East Midland District	44,661	19,731	4.8	43,615	14,837	182	114	1.0	240	90
West Midland District	6,672	3,076	0.8	7,195	2,352	45	21	0.2	64	18
South Eastern District (excluding Greater London)	83,186	40,560	9.9	97,649	31,054	3,071	2,136	19.5	5,844	1,894
South Western District	48,766	23,487	5.7	59,196	18,114	2,186	1,530	14.0	3,329	1,182
Eastern District	51,216	23,455	5.7	55,767	17,819	379	252	2.3	655	209
Cumberland and Westmorland	6,657	3,007	0.7	6,635	2,217	1,133	709	6.5	1,459	540
Total England	732,605	344,193	84.0	776,915	263,609	12,866	9,427	86.1	22,338	7,715
Wales :-										
South Wales (including Monmouthshire)	37,269	17,052	4.2	36,358	12,502	589	441	4.0	1,002	355
Rest of Wales	8,842	4,143	1.0	10,620	3,261	150	115	1.1	334	103
Total Wales	46,110	21,195	5.2	46,978	15,763	739	556	5.1	1,336	458
Scotland :-										
West Central District	41,144	19,697	4.8	44,440	14,602	239	172	1.6	435	157
East Central District	26,347	12,126	3.0	28,810	9,395	631	459	4.2	1,309	413
Southern Counties	7,727	3,471	0.8	8,931	2,747	96	68	0.6	185	59
Northern Counties	20,220	9,099	2.2	20,950	7,123	436	271	2.5	788	236
Total Scotland	95,438	44,393	10.8	103,131	33,867	1,401	970	8.9	2,717	865
Great Britain	874,153	409,782	100.0	927,024	313,238	15,006	10,952	100.0	26,391	9,038

Table 1-B Local Authorities (Building and Civil Engineering) Trade

	Unit	1949						1948	1935
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons (g) ...	No.	739	73	91	903	12	915	970	1,079
Gross output (work done) (f) ...	£'000	94,601	9,016	13,041	116,657	1,655	118,313	109,312	51,601
Cost of materials and fuel purchased and used ...	"	34,556	3,334	5,643	43,533	732	44,264	39,816	21,146
Total amount paid for transport charges or for hired haulage ...	"	4,556	559	732	5,847	—	5,847	5,626	—
Total amount paid for the hire of plant and machinery ...	"	1,486	178	146	1,810	—	1,810	1,492	—
Net output ...	"	54,004	4,944	6,520	65,468	924	66,392	62,377	30,455
Average number employed {operatives ... other workers ...}	No.	143,264	14,404	18,759	176,427	3,045	179,472	177,178	179,045
Total employment ...	"	158,720	15,712	20,336	194,768	3,358	198,126	195,627	191,052
Net output per person employed ...	£	340	315	321	336	275	335	319	159
Wages and salaries (c) {of operatives ... of other workers ...}	£'000	42,062	3,997	5,314	51,373	734	52,108	49,305	—
Establishments employing on average 10 or fewer : number of returns	No.	416	61	76	553	39	592	438	—
Average number employed ...	"	2,392	330	403	3,125	187	3,312	2,386	—
All establishments (including those not making satisfactory returns) : estimated average employment ...	"	161,192	16,053	20,744	197,989	3,545	201,534	198,293	—

Table 1-C Railways (Civil Engineering) Trade

	Unit	1949						1948	1935
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons	No.	91(h)	10	17	(i)	(h)(j)	118	125	
Number of establishments ...	"	—	—	—	—	—	—	—	
Total value of work done and goods made (f) ...	£'000	53,647	4,417	8,310	—	—	66,374	63,168	
Payment for transport by other firms ...	"	3	—	—	—	—	3	—	
Gross output (work done) ...	"	53,645	4,417	8,310	—	—	66,372	63,168	
Cost of materials and fuel used ...	"	20,028	1,707	2,990	—	—	24,725	22,303	
Net output ...	"	33,617	2,710	5,320	—	—	41,647	40,865	
Average number employed {operatives ... other workers ...}	No.	79,965	7,536	11,319	—	—	98,820	100,577	
Total employment ...	"	6,300	404	843	—	—	7,547	7,598	
Net output per person employed ...	£	390	341	437	—	—	392	378	
Wages and salaries (c) {of operatives ... of other workers ...}	£'000	26,263	2,301	3,485	—	—	32,049	32,904	
Capital expenditure on building work (excluding site value) ...	"	221	1	1	—	—	223	262	
Plant and machinery {new acquisitions ... second-hand acquisitions ... disposals ...}	"	186	30	16	—	—	232	224	
Vehicles {new acquisitions ... second-hand acquisitions ... disposals ...}	"	146	11	—	—	—	157	153	
Establishments employing on average 10 or fewer : number of returns	No.	12(k)	(k)	—	12	4	16	10	
Average number employed ...	"	49	—	—	49	18	67	39	
All establishments (including those not making satisfactory returns) : estimated average employment ...	"	94,272(h)(k)	(k)	12,162	(i)	(h)	106,434	108,214	

(For notes see page 12 10.)



Table 1-D Tramway, Trolley Bus and Omnibus Undertakings (Civil Engineering) Trade

	Unit	1949						1948	1935
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Undertakings employing on average more than 10 persons</b>	No.	13(l)	(l)	7	(i)	(j)(l)	20	20	25
Total value of work done and goods made (f)	£'000	1,533	—	2,067	..	..	3,600	3,339	3,341
Payment for transport by other firms	..	—	..	10	..	..	10	3	..
Gross output (work done)	..	1,533	..	2,057	..	..	3,590	3,337	3,341
Cost of materials and fuel used	..	586	..	802	..	..	1,388	1,128	1,369
Payment for work done on materials given out	..	1	..	2	..	..	3	12	..
Net output	..	945	..	1,254	..	..	2,200	2,196	1,972
Average number employed	No.	2,546	..	3,549	..	..	6,095	6,056	11,166
Working proprietors	..	267	..	341	..	..	608	709	498
Total employment including working proprietors	..	2,813	..	3,890	..	..	6,703	6,765	11,664
Net output per person employed	£	336	..	322	..	..	328	325	169
Wages and salaries (c)	£'000	780	..	1,082	..	..	1,862	1,754	..
Capital expenditure on new buildings	..	112	..	129	..	..	240	265	..
Plant and machinery	..	4	..	3	..	..	7	5	..
Vehicles	..	6	..	13	..	..	19	60	..
Plant and machinery	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	1	5	..
second-hand acquisitions	..	..	..	..	..	..	1	5	..
disposals	..	..	..	..	..	..	2	5	..
Vehicles	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
<b>Undertakings employing on average 10 or fewer: number of returns</b>	No.	..	..	..	(i)	..	..	..	..
Average number employed (including working proprietors)	..	..	..	..	..	..	..	..	..
<b>All undertakings (including those not making satisfactory returns):</b>	..	..	..	..	..	..	..	..	..
estimated average employment	..	2,822(l)	(l)	3,890	(i)	(l)	6,712	6,765	..

Table 1-E Canal, Dock and Harbour Undertakings (Civil Engineering) Trade

	No.	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Undertakings employing on average more than 10 persons</b>	No.	94	7	17	118	6	124	100	79
Total value of work done and goods made (f)	£'000	10,491	806	1,286	12,583	422	13,005	11,094	3,084
Payment for transport by other firms	..	4	..	..	4	..	5	(m)	..
Gross output (work done)	..	10,486	806	1,286	12,579	422	13,001	11,094	3,084
Cost of materials and fuel used	..	2,640	163	349	3,152	117	3,269	2,579	914
Payment for work done on materials given out	..	3	..	..	3	15	19	7	..
Net output	..	7,843	643	938	9,424	289	9,712	8,509	2,170
Average number employed	No.	17,896	1,232	2,355	21,483	804	22,287	21,572	13,220
Working proprietors	..	1,667	99	186	1,952	153	2,105	1,921	1,082
Total employment including working proprietors	..	19,563	1,331	2,541	23,435	957	24,392	23,493	14,302
Net output per person employed	£	401	483	369	402	302	398	362	152
Wages and salaries (c)	£'000	5,870	371	728	6,969	216	7,185	6,576	..
Capital expenditure on new buildings	..	786	45	77	908	55	964	828	..
Plant and machinery	..	591	..	166	758	6	765	82	..
Vehicles	..	868	2	45	914	..	914	586	..
Plant and machinery	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
Vehicles	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
<b>Undertakings employing on average 10 or fewer persons: number of returns</b>	No.	48	10	19	77	4	81	80	..
Average number employed (including working proprietors)	..	220	50	68	338	22	360	375	..
<b>All undertakings (including those not making satisfactory returns):</b>	..	..	..	..	..	..	..	..	..
estimated average employment	..	19,783	1,381	2,609	23,773	979	24,752	23,891	..

(For notes see page 12/10.)

Table 1-F Gas Supply Industry

	Unit	1949						1948	1935
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Undertakings employing on average more than 10 persons (n)</b>	No.	577	104	192	873	18	891	705	697
Total value of sales and work done	£'000	168,899	5,022	14,097	188,018	3,100	191,118	179,987	64,805
Stocks of coke, coke breeze { at beginning of year	..	3,300	40	338	3,679	..	3,679	1,989	..
and other by-products { at end of year	..	4,075	40	481	4,595	..	4,595	3,559	..
Gross output (production)	..	169,673	5,022	14,240	188,935	3,100(o)	192,034	181,557(o)	64,805
Cost of materials and fuel used	..	95,491	2,619	8,630	106,740	1,573	108,313	100,795	25,096
Net output	..	74,182	2,403	5,610	82,195	1,527	83,721	80,762	39,709
Average number employed	No.	93,971	3,335	8,527	105,833	1,997	107,830	103,368	96,524
Working proprietors	..	27,970	906	1,923	30,799	352	31,151	28,452	24,725
Total employment including working proprietors	..	121,941	4,241	10,450	136,632	2,349	138,981	131,821	121,249
Net output per person employed	£	608	567	537	602	650	602	613	328
Wages and salaries (c)	£'000	31,471	1,008	2,594	35,074	596	35,669	33,658	..
Capital expenditure on new buildings	..	11,757	360	713	12,829	132	12,962	11,634	..
Plant and machinery	..	2,006	88	140	2,234	19	2,253	1,206	..
Vehicles	..	16,035	471	844	17,350	258	17,608	15,336	..
Plant and machinery (p)	{	..	..	..	..	..	..	..	..
new acquisitions (q)	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
Vehicles	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
Mains and services	{	..	..	..	..	..	..	..	..
laid or relaid	..	..	..	..	..	..	..	..	..
disposal of materials etc.	..	..	..	..	..	..	..	..	..
Appliances for hire	{	..	..	..	..	..	..	..	..
new issues during the year	..	..	..	..	..	..	..	..	..
disposals (r)	..	..	..	..	..	..	..	..	..
<b>Undertakings employing on average 10 or fewer: (n)</b>	No.	8	1	..	9	5	14	363	..
Average number employed (including working proprietors)	..	31	6	..	37	28	65	1,987	..
<b>All undertakings (including those not making satisfactory returns):</b>	..	..	..	..	..	..	..	..	..
estimated average employment	..	121,972	4,247	10,450	136,669	2,377	139,046	133,808	..

Table 1-G Electricity Supply Industry

	No.	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Undertakings employing on average more than 10 persons (t)</b>	No.	268	33	56	357	3	360	350	624(u)
Total value of sales and work done	£'000	223,623	13,833	21,030	258,486	5,024(o)	263,509	241,394	87,833
Gross output (production)	..	..	..	..	..	..	..	..	..
Cost of materials and fuel used	..	92,918	5,703	9,001	107,622	2,200	109,823	105,472	24,141
Net output	..	130,705	8,130	12,029	150,863	2,823	153,687	135,922	63,692
Average number employed	No.	99,714	6,710	8,931	115,355	2,419	117,774	107,995	79,216
Working proprietors	..	44,066	2,896	3,399	50,361	797	51,158	43,976	25,542
Total employment including working proprietors	..	143,780	9,606	12,330	165,716	3,216	168,932	151,971	104,758
Net output per person employed	£	909	846	976	910	878	910	894	608
Wages and salaries (c)	£'000	33,539	2,157	2,822	38,518	694	39,211	35,022	..
Capital expenditure on new buildings	..	18,439	1,119	1,417	20,974	312	21,287	17,791	..
Plant and machinery	..	20,330	1,730	10,909	32,969	190	33,159	24,119	..
Vehicles	..	62,903	3,108	9,291	75,302	4,374	79,676	67,568	..
Plant and machinery (v)	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
Vehicles	{	..	..	..	..	..	..	..	..
new acquisitions	..	..	..	..	..	..	..	..	..
second-hand acquisitions	..	..	..	..	..	..	..	..	..
disposals	..	..	..	..	..	..	..	..	..
Appliances for hire	{	..	..	..	..	..	..	..	..
new issues during the year	..	..	..	..	..	..	..	..	..
disposals (s)	..	..	..	..	..	..	..	..	..
<b>Undertakings employing on average 10 or fewer: (t)</b>	No.	4	3	..	7	..	7	12	..
Average number employed (including working proprietors)	..	5	7	..	12	..	12	39	..
<b>All undertakings (including those not making satisfactory returns):</b>	..	..	..	..	..	..	..	..	..
estimated average employment	..	143,785	9,613	12,330	165,728	3,216	168,944	152,010	..

(For notes see page 12/10.)



Table 1—H Water Undertakings Trade

1. Local Authorities

	Unit	1949						1948	1935
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Undertakings employing on average more than 10 persons</b> ... ..	No.	211	29	28	268	4 (w)	272 (w)	258	288
Total value of water supplied and of all work done by employees of water undertakings ... ..	£'000	36,670	1,976	3,799	42,445	657	43,102	39,267	24,654
Value of repair and maintenance work and of any other work done for which no direct charge was made ... ..	"	4,152	372	693	5,218	102	5,320	4,117	2,125
Gross output (production) ... ..	"	32,518	1,604	3,106	37,228	554	37,782	35,151	22,529
Purchases of materials and fuel ... ..	"	6,926	442	641	8,009	147	8,156	7,136	..
Stocks of materials and fuel at beginning of year ... ..	"	3,259	172	397	3,828	..	3,828	3,416	..
Stocks of materials and fuel at end of year ... ..	"	3,526	188	437	4,151	..	4,151	3,775	..
Cost of materials and fuel used ... ..	"	6,659	426	601	7,687	147	7,834	6,777	2,848
Payment for work done on materials given out ... ..	"	..	..	..	..	..	..	..	..
Net output ... ..	"	25,859	1,178	2,504	29,541	407	29,948	28,374	19,681
Average number employed {operatives ... ..	No.	18,175	1,160	2,342	21,677	510	22,187	21,116	21,039
{other workers ... ..	"	4,659	309	382	5,350	137	5,487	5,131	3,895
Total employment ... ..	"	22,834	1,469	2,724	27,027	647	27,674	26,247	24,934
Net output per person employed ... ..	£	1,132	802	919	1,093	630	1,082	1,081	789
Wages and salaries (c) {of operatives ... ..	£'000	5,937	349	696	6,982	138	7,120	6,571	..
{of other workers ... ..	"	2,174	136	153	2,463	63	2,526	2,304	..
Capital expenditure on new buildings ... ..	"	5,605	352	470	6,427	357	6,785	3,225	..
Plant and machinery {new acquisitions ... ..	"	4,556	135	744	5,435	..	5,435	4,765	..
{second-hand acquisitions ... ..	"	88	(i)	(i)	97	..	97	81	..
{disposals ... ..	"	26	1	3	30	..	30	32	..
Vehicles {new acquisitions ... ..	"	96	5	4	105	..	105	84	..
{second-hand acquisitions ... ..	"	14	(i)	(i)	15	..	15	25	..
{disposals ... ..	"	5	..	..	5	..	5	8	..
<b>Undertakings employing on average 10 or fewer : number of returns</b> ... ..	No.	439	60	140	639	45	684	578	..
Average number employed ... ..	"	1,835	244	475	2,554	165	2,719	2,937	..
<b>All undertakings (including those not making satisfactory returns) : estimated average employment</b> ... ..	"	24,694	1,717	3,209	29,620	812 (w)	30,432 (w)	29,344	..

2. Companies

	No.	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
<b>Undertakings employing on average more than 10 persons</b> ... ..	No.	71	6	..	77	(w)	77 (w)	77	84
Total value of water supplied and of all work done by employees of water undertakings ... ..	£'000	11,103	236	..	11,339	..	11,339	10,202	6,301
Value of repair and maintenance work and of any other work done for which no direct charge was made ... ..	"	1,355	44	..	1,399	..	1,399	954	608
Gross output (production) ... ..	"	9,748	192	..	9,940	..	9,940	9,248	5,693
Purchases of materials and fuel ... ..	"	2,485	65	..	2,551	..	2,551	2,391	..
Stocks of materials and fuel at beginning of year ... ..	"	958	12	..	970	..	970	882	..
Stocks of materials and fuel at end of year ... ..	"	1,026	13	..	1,039	..	1,039	971	..
Cost of materials and fuel used ... ..	"	2,418	65	..	2,482	..	2,482	2,303	798
Payment for work done on materials given out ... ..	"	..	..	..	..	..	..	..	..
Net output ... ..	"	7,330	128	..	7,458	..	7,458	6,946	4,895
Average number employed {operatives ... ..	No.	5,712	151	..	5,863	..	5,863	5,633	5,605
{other workers ... ..	"	1,974	48	..	2,022	..	2,022	1,992	1,435
Total employment ... ..	"	7,686	199	..	7,885	..	7,885	7,625	7,040
Net output per person employed ... ..	£	954	642	..	946	..	946	911	695
Wages and salaries (c) {of operatives ... ..	£'000	1,824	41	..	1,865	..	1,865	1,732	..
{of other workers ... ..	"	869	18	..	888	..	888	825	..
Capital expenditure on new buildings ... ..	"	1,381	25	..	1,406	..	1,406	407	..
Plant and machinery {new acquisitions ... ..	"	1,715	21	..	1,737	..	1,737	1,297	..
{second-hand acquisitions ... ..	"	49	..	..	49	..	49	10	..
{disposals ... ..	"	63	..	..	63	..	63	21	..
Vehicles {new acquisitions ... ..	"	53	1	..	54	..	54	34	..
{second-hand acquisitions ... ..	"	11	..	..	11	..	11	9	..
{disposals ... ..	"	5	..	..	5	..	5	4	..
<b>Undertakings employing on average 10 or fewer : number of returns</b> ... ..	No.	67	9	3	79	..	79	69	..
Average number employed ... ..	"	275	46	4	325	..	325	301	..
<b>All undertakings (including those not making satisfactory returns) : estimated average employment</b> ... ..	"	7,969	245	4	8,218	(w)	8,218 (w)	7,946	..

(For notes see page 12/10.)

Employment in Larger Establishments

TABLE 2

Numbers employed in the Week ended September 24, 1949

		Building and Contracting		Local Authorities (Building and Civil Engineering)	Railways (Civil Engineering)	Tramway, Trolley Bus and Omnibus Undertakings (Civil Engineering)	Canal, Dock and Harbour Undertakings (Civil Engineering)	Gas Supply Industry	Electricity Supply Industry	Water Undertakings					
		A (1)								A (2)		H (1)		H (2)	
		Private Firms	Government Establishments							B	C	D	E	F	G
<b>ENGLAND AND WALES</b>					(a)(b)	(a)			(b)						
Operatives	Under 18	Males 51,793	91	2,991	604	23	363	2,711	3,560	117	85				
		Females 90	4	6	4	1	..	5	14	1	2				
	All ages	Males 744,184	23,580	158,715	86,691	2,553	19,318	95,184	105,684	19,299	5,856				
		Females 1,783	63	362	252	3	63	1,710	2,277	156	101				
	All ages	Total 745,967	23,643	159,077	86,943	2,556	19,381	96,894	107,861	19,455	5,957				
Administrative, Technical and Clerical	Under 18	Males 3,058	1	357	108	1	44	670	1,248	144	44				
		Females 3,548	2	242	100	1	33	1,169	1,910	73	77				
	All ages	Males 60,174	2,313	14,828	5,697	209	1,520	21,927	34,927	4,326	1,536				
		Females 22,566	230	2,034	1,063	67	265	7,027	13,322	675	484				
	All ages	Total 82,740	2,543	16,862	6,760	276	1,785	29,004	48,249	5,001	2,020				
Outworkers	Males	..	..	..	..	..	..	..	..	..	..				
	Females	..	..	..	..	..	..	..	..	..	..				
<b>SCOTLAND</b>															
Operatives	Under 18	Males 6,479	10	492	91	68	30	139	139	12	..				
		Females 11	1	..	2	1	..	8	4	..	..				
	All ages	Males 93,155	2,706	19,109	11,251	3,532	2,429	8,321	8,842	2,416	..				
		Females 223	7	37	23	23	6	168	189	24	..				
	All ages	Total 93,378	2,713	19,146	11,274	3,555	2,435	8,489	9,031	2,440	..				
Administrative, Technical and Clerical	Under 18	Males 382	..	24	12	7	..	25	35	6	..				
		Females 445	..	40	17	6	2	88	183	17	..				
	All ages	Males 7,535	266	1,253	685	236	155	1,331	2,275	308	..				
		Females 2,824	26	373	150	105	28	579	1,212	82	..				
	All ages	Total 10,359	292	1,626	835	341	183	1,910	3,487	390	..				
Outworkers	Males	..	..	..	..	..	..	..	..	..	..				
	Females	..	..	..	..	..	..	..	..	..	..				
<b>NORTHERN IRELAND</b>															
Operatives	Under 18	Males (c) 1,451	(c)	17	(a)	(a)	12	44	44	5	(d)				
		Females ..	..	..	..	..	..	..	..	..	(d)				
	All ages	Males 16,787	..	3,062	..	..	858	1,976	2,347	531	..				
		Females 7	..	1	..	..	..	9	32	7	..				
	All ages	Total 16,794	..	3,063	..	..	858	1,985	2,379	538	..				
Administrative, Technical and Clerical	Under 18	Males 48	..	3	..	..	..	1	23	2	..				
		Females 88	..	4	..	..	1	13	30	4	..				
	All ages	Males 812	..	279	..	..	133	260	615	130	..				
		Females 407	..	40	..	..	24	83	211	11	..				
	All ages	Total 1,219	..	319	..	..	157	343	826	141	..				
Outworkers	Males	..	..	..	..	..	..	..	..	..	..				
	Females	..	..	..	..	..	..	..	..	..	..				
<b>UNITED KINGDOM</b>															
Operatives	Under 18	Males (c) 59,723	(c) 101	3,500	695	91	405	2,894	3,743	134	(d) 85				
		Females 101	5	6	6	2	..	13	18	1	2				
	All ages	Males 854,126	26,286	180,886	97,942	6,085	22,605	105,481	116,773	22,246	5,856				
		Females 2,013	70	400	275	26	69	1,887	2,498	187	101				
	All ages	Total 856,139	26,356	181,286	98,217	6,111	22,674	107,368	119,271	22,433	5,957				
Administrative, Technical and Clerical	Under 18	Males 3,488	1	284	120	8	44	696	1,306	152	44				
		Females 4,081	2	286	117	7	36	1,270	2,123	94	77				
	All ages	Males 68,521	2,579	16,360	6,382	445	1,808	23,568	37,817	4,764	1,536				
		Females 25,797	256	2,447	1,213	172	317	7,689	14,745	768	484				
	All ages	Total 94,318	2,835	18,807	7,595	617	2,125	31,257	52,562	5,532	2,020				
Operatives and Administrative, Technical and Clerical	Total	950,457	29,191	200,093	105,812	6,728	24,799	138,625	171,833	27,965	7,977				
Outworkers	Males	..	..	..	..	..	..	..	..	..	..				
	Females	..	..	..	..	..	..	..	..	..	..				
<b>Excluded employees</b>															
Canteen	Males	(f)	(f)	(f)	(f)	2	27	135	89	1	..				
	Females	..	..	..	..	164	84	713	1,075	21	..				
Other (g)	Males	..													



## Notes to Tables

Table 1

- (a) Firms in this trade were not required to make returns on the basis of establishments, although a few did so.
- (b) Particulars of the small amount of work carried out by Government establishments in Northern Ireland are included in the report for private firms.
- (c) The following amounts were payable in the United Kingdom during 1949 as the employers' share of contributions to all National Insurance Schemes in respect of operatives and other workers in the trades included in this volume: Trade A (1) £9,806,000; A (2) £276,000; B £2,062,000; C £1,119,000; D £70,000; E £257,000; F £1,401,128; G £1,667,000; H (1) £286,000; H (2) £82,000.
- (d) Excluding particulars in respect of H.M. Prisons; particulars recorded for 1949 were £694,000 for the value of work done and sales, and £338,000 for the cost of materials and fuel used. The net output was £321,000. Details of wages and salaries and of persons employed are not available.
- (e) Relates to Admiralty (Civil Engineering Department) and H.M. Office of Works establishments only.
- (f) Output 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.
- (g) Number of returns. Authorities were not required to make returns on the basis of establishments, although a few did so.
- (h) Owing to the risk of disclosure of information relating to individual undertakings, particulars for Northern Ireland cannot be given separately but have been included with those for England.
- (i) Owing to the risk of disclosure of information relating to individual undertakings, separate particulars cannot be given.
- (j) The proportion of the net output of the United Kingdom recorded in Northern Ireland was about 1 per cent. in Trade C and about 3 per cent. in Trade D.
- (k) Owing to the risk of disclosure of information relating to individual undertakings, particulars for Wales cannot be given separately but have been included with those for England.
- (l) Owing to the risk of disclosure of information relating to individual undertakings, particulars for Wales and Northern Ireland cannot be given separately but have been included with those for England.
- (m) Not ascertained in 1948 and 1935.
- (n) Undertakings employing on average more than 10 persons include for 1949 all gas works, regardless of size, of the Area Gas Boards together with the larger non-nationalized undertakings. The 1949 figures for undertakings employing on average 10 or fewer persons relate only to the smaller non-nationalized undertakings. This is the reason for the fall shown in the number of small undertakings and the increase in the number of gasworks of the larger undertakings compared with previous years. Three larger non-nationalized undertakings are included, all in England.
- (o) Including the value of work of repair and maintenance of buildings, plant and machinery carried out by the employees of the undertaking.
- (p) Including railway sidings and meters.
- (q) Including the following amounts returned as plant and machinery (including buildings) where the buildings could not be separately evaluated: England, £2,792,000; Wales, £220,000; Scotland, £85,000.
- (r) The figures for disposals represent the proceeds from sale of appliances formerly on hire that were sold without being renovated, plus the written down value of those sold after reconditioning.
- (s) Proceeds from the disposal of appliances formerly on hire which were sold or scrapped during the year.
- (t) Undertakings employing on average more than 10 persons include for 1949 and 1948 all establishments of the nationalized industry and the Lochaber Power Company, regardless of size, together with the larger non-nationalized undertakings. Undertakings employing on average 10 or fewer persons cover the small non-nationalized undertakings only. Nineteen larger non-nationalized undertakings are included for Great Britain (16 in England and 3 in Scotland) in 1949 and 20 in 1948.
- (u) The 1935 figures denote the number of establishments and not generating stations.
- (v) Including meters, mains and services and main transmission lines, and railway sidings owned by electricity undertakings.
- (w) Separate information relating to Local Authorities and Companies is not available for Northern Ireland and all particulars have been included in the report for Local Authorities.
- (x) The country information for 1949 shown in Table 1-A (1-Private Firms) on page 12/3 is the aggregate of information obtained from firms employing 11 persons or more on the following bases: (1) Firms employing 25 persons or more were not required to make separate returns for work done in each country, but were required to furnish country information only for the headings "average number employed," "total wages and salaries," "total value of work done and goods made" and "total cost of materials and fuel and other charges." (2) Firms employing between 11 and 24 persons were not required to furnish separate country particulars and it has been assumed that the work done by them is carried out in the country in which the firm is located. Separate country particulars cannot therefore be shown for a number of headings in the table for which the information is available only for Great Britain as a whole.
- The country information obtained under (1) above was broken down by firms making returns among the seventeen industrial areas of Great Britain and this information is shown in Table 1-A (3) on page 12/4.

Table 2

- (a) Owing to the risk of disclosure of information relating to individual undertakings, particulars for Northern Ireland cannot be given separately but have been included with those for England and Wales.
- (b) Including the following numbers of persons of all ages employed in Government establishments in the United Kingdom:

	C	G
Operatives ... .. { Males Females	87 —	384 —
Administrative, technical and clerical { Males Females	14 1	34 1
Canteen workers ... .. { Males Females	.. ..	.. ..
Other excluded employees ... .. { Males Females	.. ..	.. ..

- (c) Particulars of Government establishments in Northern Ireland are included with those for private firms.
- (d) Separate information relating to Local Authorities and Companies is not available for Northern Ireland and all particulars have been included in the report for Local Authorities.

- (e) Including the following numbers of persons of all ages employed in non-nationalized undertakings, other than Government establishments, in the United Kingdom:

	F	G
Operatives ... .. { Males Females	2,208 9	3,084 9
Administrative, technical and clerical { Males Females	284 85	275 25
Canteen workers ... .. { Males Females	— 1	— —
Other excluded employees ... .. { Males Females	— —	— 1

- (f) Not ascertained.
- (g) Employees engaged, for example, in merchanting.



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