



BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1950

VOLUME 12

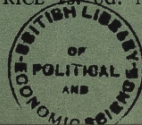
**Building and Contracting,
Gas, Electricity and Water**

*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)*

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1953

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The Report on the Census of Production for 1950

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 volume, 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 1950: Introductory Notes," price 1s. 0d. net.

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Table 1. Output, materials, stocks, average employment, etc. in larger undertakings and average employment in small undertakings for the trades listed below Pages 12/2 to 12/3

Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade were wholly or mainly engaged	Page
A Building and Contracting ...	200 (1), 200 (3), 201, 202 (1) and 202 (2) (part)	<p>These trades were excluded from the Census in Great Britain for 1950. The information collected in Northern Ireland relating to these trades was published in "Report on the Census of Production of Northern Ireland, 1950," Belfast: Her Majesty's Stationery Office, 1952, price 3s. 0d. net.</p>	
B Local Authorities (Building and Civil Engineering)	200 (2) and 202 (2) (part)		
C Railways (Civil Engineering)	202 (part)		
D Tramway, Trolley Bus and Omnibus Undertakings (Civil Engineering)	202 (2) (part)		
E Canal, Dock and Harbour Undertakings (Civil Engineering)	202 (2) (part)		
F Gas Supply Industry ...	210		
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>The Electricity Supply Industry in Great Britain was nationalized on April 1, 1948. In this report, the figures for 1950, 1949 and 1948 for undertakings employing on average more than 10 persons include all establishments of the nationalized industry and the Lochaber Power Company, regardless of size, together with the larger non-nationalized undertakings; those for undertakings employing on average 10 persons or fewer relate only to the small non-nationalized undertakings. 11 larger non-nationalized undertakings in Great Britain (9 in England and 2 in Scotland) are included for 1950, 19 for 1949 and 20 for 1948.</p> <p>Gross output in this trade in 1950, 1949 and 1948 is arrived at by aggregating the sales of electricity, by-products and waste products, rents received, net receipts from the sale of appliances, value of work charged for and the value of new constructional work carried out by employees of electricity undertakings. Figures for 1935 exclude meter rents, receipts from hire of appliances and net receipts from the sale of appliances, none of which was ascertained.</p> <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 comprises the total value of water supplied, the value of work charged for and the value of new constructional work carried out by employees of water undertakings.</p>	12/2
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 comprises the total value of water supplied, the value of work charged for and the value of new constructional work carried out by employees of water undertakings.</p>	12/2
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Table 1-F Gas Supply Industry

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Undertakings employing on average more than 10 persons ...	No.	764	102	190	18	1,074	891	705	697
Number of gasworks ...	£'000	160,704	4,883	14,121	2,629	182,336	191,118	156,795	61,955
Total value of sales of gas, coke and other by-products ...	£'000	23,027	844	1,129	482	25,482	23,194	2,850(a)	...
Total value of work charged for and of new constructional work carried out by own employees, rents received and net receipts from sale of appliances ...	£'000	4,075	40	469	—	4,584	3,679	1,989	...
Stocks of coke, coke breeze { at beginning of year ...	£'000	2,613	31	307	—	2,951	4,595	3,559	...
and other by-products { at end of year ...	£'000	182,269	5,718	15,087	3,110	206,184	192,034(b)	181,557	64,805
Gross output (production) ...	£'000	101,734	2,962	9,074	1,707	115,476	108,313	100,795	25,096
Cost of materials and fuel used ...	£'000	80,535	2,756	6,013	1,404	90,708	83,721	80,762	39,709
Net output ...	£'000	95,990	3,403	8,489	1,857	109,739	107,830	103,368	96,524
Average number employed { operatives ...	No.	29,352	1,012	1,983	499	32,846	31,151	28,452	24,725
other workers ...	No.	—	—	—	—	—	—	—	1
Working proprietors ...	No.	125,342	4,415	10,472	2,356	142,585	138,981	131,821	121,249
Total employment including working proprietors ...	No.	—	—	—	—	—	—	—	—
Net output per person employed ...	£	643	624	574	596	636	602	613	328
Wages and salaries { of operatives ...	£'000	33,271	1,085	2,732	602	37,689	35,669	33,658	...
of other workers ...	£'000	12,884	427	745	175	14,232	12,962	11,634	...
Employers' share of all National Insurance contributions ...	£'000	1,281	43	106	24	1,454	1,401	1,089	...
Undertakings employing on average 10 or fewer ...	No.	3	—	—	..	3(c)	14	363	..
Average number employed (including working proprietors) ...	No.	13	—	—	..	13	65	1,987	..
All undertakings (including those not making satisfactory returns): estimated average employment ...	No.	125,355	4,415	10,472	2,356(c)	142,598(c)	139,046	133,808	..

Table 1-G Electricity Supply Industry

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Undertakings employing on average more than 10 persons ...	No.	265	32	65	3	365	360	350	624(d)
Number of generating stations ...	£'000	199,568	12,740	19,772	5,381(b)	289,409(b)	263,509(b)	198,373	72,095
Total value of sales of electricity ...	£'000	44,998	3,066	3,884	5,381(b)	289,409(b)	263,509(b)	43,021	15,738(e)
Total value of sales of by-products and waste products, value of work charged for and of new constructional work carried out by own employees, rents, received, and net receipts from sale of appliances ...	£'000	244,566	15,805	23,656	5,381(b)	289,409(b)	263,509(b)	241,394	87,833
Gross output (production) ...	£'000	102,396	6,215	9,653	2,555	120,819	109,823	105,472	24,141
Cost of materials and fuel used ...	£'000	142,169	9,590	14,003	2,827	168,589	153,687	135,922	63,692
Net output ...	£'000	104,946	7,251	9,118	2,374	123,689	117,774	107,995	79,216
Average number employed { operatives ...	No.	48,555	3,206	3,841	867	56,469	51,158	43,976	25,542
other workers ...	No.	—	—	—	—	—	—	—	—
Working proprietors ...	No.	153,501	10,457	12,959	3,241	180,158	168,932	151,971	104,758
Total employment including working proprietors ...	No.	—	—	—	—	—	—	—	—
Net output per person employed ...	£	926	917	1,081	872	936	910	894	608
Wages and salaries { of operatives ...	£'000	36,829	2,322	3,105	750	43,007	39,211	35,022	...
of other workers ...	£'000	21,462	1,381	1,752	302	24,897	21,287	17,791	...
Employers' share of all National Insurance contributions ...	£'000	1,550	100	129	31	1,810	1,667	1,338	...
Undertakings employing on average 10 or fewer ...	No.	2	—	2	..	4(c)	7	12	..
Average number employed (including working proprietors) ...	No.	3	—	2	..	5	12	39	..
All undertakings (including those not making satisfactory returns): estimated average employment ...	No.	153,504	10,457	12,961	3,241(c)	180,163(c)	168,944	152,010	..

(For notes see page 12/7)

Table 1-H Water Undertakings
(1) Local Authorities

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Undertakings employing on average more than 10 persons ...	No.	219	29	29	4(f)	281(f)	272(f)	258	288
Total value of water supplied and of all work done by employees of water undertakings ...	£'000	37,723	2,029	4,048	684	44,483	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 ...	£'000	4,434	388	707	107	5,636	5,320	4,117	2,125
Gross output (production) ...	£'000	33,289	1,641	3,341	576	38,847	37,782	35,151	22,529
Purchases of materials and fuel ...	£'000	7,317	445	674	137	8,573	8,156	7,136	...
Stocks of mater- { at beginning of year ...	£'000	3,565	189	435	..	4,190	3,828	3,416	...
ials and fuel { at end of year ...	£'000	4,040	255	426	..	4,721	4,151	3,775	...
Cost of materials and fuel used ...	£'000	6,842	380	683	137	8,042	7,834	6,777	2,848
Payment for work done on materials given out ...	£'000	—	—	—	—	—	—	—	...
Net output ...	£'000	26,447	1,261	2,658	440	30,805	29,948	28,374	19,681
Average number employed { operatives ...	No.	18,327	1,178	2,511	534	22,550	22,187	21,116	21,039
other workers ...	No.	4,828	324	396	148	5,696	5,487	5,131	3,895
Total employment ...	No.	23,155	1,502	2,907	682	28,246	27,674	26,247	24,934
Net output per person employed ...	£	1,142	839	914	645	1,091	1,082	1,081	789
Wages and salaries { of operatives ...	£'000	6,163	360	755	147	7,426	7,120	6,571	...
of other workers ...	£'000	2,310	145	166	68	2,688	2,526	2,304	...
Employers' share of all National Insurance contributions ...	£'000	241	15	30	7	294	286	236	...
Undertakings employing on average 10 or fewer: number of returns ...	No.	418	60	147	..	625(c)	684(f)	578	..
Average number employed ...	No.	2,070	248	524	..	2,842	2,719	2,937	..
All undertakings (including those not making satisfactory returns): estimated average employment ...	No.	25,304	1,767	3,449	682(c)(f)	31,202(c)(f)	30,432(f)	29,344	..

(2) Companies

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Undertakings employing on average more than 10 persons ...	No.	70	4	—	(f)	74(f)	77(f)	77	84
Total value of water supplied and of all work done by employees of water undertakings ...	£'000	11,392	225	—	..	11,617	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 ...	£'000	1,289	47	—	..	1,336	1,399	954	608
Gross output (production) ...	£'000	10,103	178	—	..	10,281	9,940	9,248	5,693
Purchases of materials and fuel ...	£'000	2,971	52	—	..	3,023	2,551	2,391	...
Stocks of mater- { at beginning of year ...	£'000	991	11	—	..	1,002	970	882	...
ials and fuel { at end of year ...	£'000	1,171	16	—	..	1,186	1,039	971	...
Cost of materials and fuel used ...	£'000	2,792	47	—	..	2,839	2,482	2,303	798
Payment for work done on materials given out ...	£'000	—	—	—	..	—	—	—	...
Net output ...	£'000	7,311	130	—	..	7,442	7,458	6,946	4,895
Average number employed { operatives ...	No.	5,813	113	—	..	5,926	5,863	5,633	5,605
other workers ...	No.	2,053	45	—	..	2,098	2,022	1,992	1,435
Total employment ...	No.	7,866	158	—	..	8,024	7,885	7,625	7,040
Net output per person employed ...	£	929	824	—	..	927	946	911	695
Wages and salaries { of operatives ...	£'000	1,890	35	—	..	1,925	1,865	1,732	...
of other workers ...	£'000	920	18	—	..	938	888	825	...
Employers' share of all National Insurance contributions ...	£'000	83	2	—	..	84	82	65	...
Undertakings employing on average 10 or fewer: number of returns ...	No.	53(g)	3	(g)	..	56	79(f)	69	..
Average number employed ...	No.	142	15	157	325	301	..
All undertakings (including those not making satisfactory returns): estimated average employment ...	No.	8,016(g)	173	(g)	..	8,189(f)	8,218(f)	7,946	..

(For notes see page 12/7)

Employment

Table 2 Larger undertakings: Numbers employed in the week ended September 30, 1950

			Gas Supply Industry F	Electricity Supply Industry G	Water Undertakings	
					Local Authorities H (1)	Companies H (2)
England and Wales	Operatives	Under 18 Males	2,788	3,731	203	68
		Females	19	10	2	1
		All ages Males	96,839	109,387	19,543	5,920
	Administrative, Technical and Clerical	Under 18 Males	822	1,300	127	50
		Females	1,173	1,919	69	73
		All ages Males	23,743	37,957	4,429	1,611
Scotland	Operatives	Under 18 Males	7,791	14,549	729	503
		Females	31,534	52,506	5,158	2,114
		All ages Males	155	112	13	—
	Administrative, Technical and Clerical	Under 18 Males	8,421	8,896	2,585	—
		Females	165	218	22	—
		All ages Males	8,586	9,114	2,607	—
Northern Ireland	Operatives	Under 18 Males	23	33	7	—
		Females	84	201	15	—
		All ages Males	1,398	2,567	311	—
	Administrative, Technical and Clerical	Under 18 Males	608	1,302	89	—
		Females	2,006	3,869	400	—
		All ages Males	51	50	13	—
United Kingdom	Operatives	Under 18 Males	1,869	2,420	537	68
		Females	11	41	7	1
		All ages Males	1,880	2,461	544	69
	Administrative, Technical and Clerical	Under 18 Males	6	27	3	—
		Females	6	49	1	—
		All ages Males	408	632	134	—
Excluded employees	Canteen	Under 18 Males	91	229	13	—
		Females	499	861	147	—
		All ages Males	(b)	(b)	(a)	(a)
	Other	Under 18 Males	2,994	3,893	229	68
		Females	24	11	2	1
		All ages Males	107,129	120,703	22,665	5,920
Total	Operatives	Under 18 Males	2,053	2,780	195	114
		Females	109,182	123,483	22,860	6,034
		All ages Males	851	1,360	137	50
	Administrative, Technical and Clerical	Under 18 Males	1,263	2,169	85	73
		Females	25,549	41,156	4,874	1,611
		All ages Males	8,490	16,080	831	503
Total	All ages Males	34,039	57,236	5,705	2,114	
	All ages Females	143,221	180,719	28,565	8,148	
Canteen	Males	Males	131	111	1	—
		Females	711	1,308	8	9
	Other	Males	251	21	101	16
		Females	136	12	5	2

(For notes see page 12/7)

Analysis of Sales (a)

Table 3—F Gas Supply Industry Larger undertakings in Great Britain

	(i) Value of sales (£'000)		Gas sold (b)
	(i)	(ii) Percentage of total sales	
Domestic consumers: those whose use of gas is wholly or mainly for private residential purposes			
Credit	28,107	18.2	
Prepayment	54,448	43.1	
Total domestic	82,556	65.3	
Industrial premises, including farms, mines, Royal Naval dockyards, Royal Ordnance factories and railway workshops	23,029	18.2	
Commercial premises, including shops, offices, hotels, hospitals, schools, places of entertainment and also railway station lighting	15,966	12.6	
Public administration			
Central Government Departments, including H.M. Services	1,035	0.8	
Local Government (other than for public lighting)	1,622	1.3	
Total public administration	2,657	2.1	
Public lighting authorities	2,140	1.7	
Total sales	126,349	100.0	
			Coke and coke breeze sold
Sales to other gas undertakings	51	0.1	62
Sales to other buyers in the United Kingdom			Other by-products and electricity sold
Retailers for resale	4,535	11.2	122
Direct to the public, including employees	4,327	10.7	0.9
Industrial, commercial, trade and institutional users	12,951	31.9	194
Wholesalers and merchants, whether for sale in this country or for export	17,768	43.8	1.5
Total sales to other buyers in the United Kingdom	39,581	97.6	7,269
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and Governments abroad	335	0.8	56.8
Sales invoiced direct to independent buyers abroad	583	1.4	4,877
Total sales	40,550	100.0	38.1

(For notes see page 12/7)

Analysis of Sales (a)

Table 3—G Electricity Supply Industry Larger undertakings in Great Britain

	(i) Value of sales (£'000)	(ii) Percentage of total sales	Electricity sold
Bulk supplies by non-nationalized undertakings to other undertakings			438 0.2
Supplies to consumers			
Domestic premises (excluding farms, etc.)			
On two-part or all-in domestic tariffs	65,560		28.2
On other tariffs and flat rates	15,799		6.8
Farms (including farmhouses and farm buildings) and horticultural premises	2,586		1.1
Public lighting authorities	2,127		0.9
Traction undertakings			
Railways, including light railways	7,134		3.1
Tramways and trolley buses	4,342		1.9
Shops, commercial premises, etc.			
Shops (including garages, and licensed premises other than hotels)	18,269		7.9
Offices (including banks and wholesale warehouses)	6,353		2.7
Public buildings, schools, places of entertainment, etc. (including hospitals, public baths and public washhouses)	9,727		4.2
Hotels	2,208		1.0
H.M. Forces	2,081		0.9
Other premises	4,146		1.8
Waterworks, gasworks, and drainage and sewage pumping stations	2,887		1.2
Factories, works, workshops and other industrial premises for manufacturing and processing			
Invoiced as low and medium pressure supplies (up to 650 volts)	35,327		15.2
Invoiced as H.T. supplies (above 650 volts)	53,097		22.9
Total supplies to consumers	231,641		99.8
Total sales	232,079		100.0

(For notes see page 12/7)

Notes to Tables

Table 1

- (a) Value of work charged for only.
 (b) Including the value of work of repair and maintenance of buildings, plant and machinery carried out by employees of the undertakings in Northern Ireland.
 (c) Excluding particulars relating to any undertakings in Northern Ireland employing on average 10 persons or fewer; the corresponding particulars recorded for 1949 were as follows:

Trade	F	G	H
Number of undertakings	5	—	45
Average number employed (including working proprietors)	28	—	165

- (d) Number of establishments.
 (e) Value of work charged for and of work of new construction carried out by own employees only.
 (f) Separate information relating to Local Authorities and Companies is not available for Northern Ireland and all particulars have been included in the figures for Local Authorities.
 (g) Owing to the risk of disclosure of information relating to individual firms, particulars for Scotland cannot be given separately and have been included with those for England.

Table 2

- (a) See note (f) above to Table 1.
 (b) Including the following numbers of persons of all ages employed in non-nationalized undertakings in the United Kingdom:

Trade	F	G
Operatives	2,097 11	5,322 50
Administrative, technical and clerical	432 93	898 256
Canteen workers	— 1	5 28
Other excluded employees	1 —	9 —

Table 3

- (a) No information is available for the Water Undertakings Trade—H nor for larger establishments in Northern Ireland in the Gas and Electricity Supply Industries—F and G.
 (b) Excluding gas sold in bulk by gas undertakings to other gas undertakings.

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