



BOARD OF TRADE

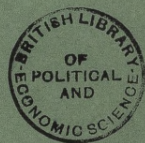
FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 12

Trade H

WATER UNDERTAKINGS

*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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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 by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s Od. NET

List of Tables

Table No.	Title	Page.
1	Summary: Larger establishments	12/H/2
2	Summary, 1948: Small firms in Great Britain	12/H/3
3	Estimated average employment, 1948: All firms in Great Britain	12/H/3
4	Analysis by size, 1948: Larger establishments in Great Britain	12/H/3
5	Analysis by standard region, 1948: Larger establishments in Great Britain	12/H/4
6	Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain	*
7	Total make of intermediate products: Larger establishments	*
8	Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades: Larger establishments	12/H/5
9	Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments	*
10	Sales (or production) in the trade of other than principal products: Larger establishments	*
11	Analysis of sales, 1948: Larger establishments in Great Britain	*
12	Production, exports and imports of certain principal products: Larger establishments	*
13	Purchased materials and fuel: Larger establishments	12/H/9
14	Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain	12/H/11
15	Employment and remuneration: Larger establishments	12/H/12
16	Wages and salaries paid, 1948: Larger establishments in Great Britain	12/H/15
17	Payments for work done on materials given out, 1948: Larger establishments in Great Britain	12/H/15
18	Payments for certain services, 1948: Larger establishments in Great Britain	12/H/16
19	Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain	12/H/17
20	Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain	12/H/17

Country Tables

Table No.	Title	Page
21	Summary: Larger establishments	12/H/18
22	Summary: Small firms	12/H/21
23 or 23(1)	Sales in the trade: Larger establishments	12/H/22
23(11)	Sales in the trade: Small firms	*
24 or 24(1)	Purchased materials and fuel: Larger establishments	12/H/26
24(11)	Purchased materials and fuel: Small firms	*
25 or 25(1)	Employment and remuneration: Larger establishments	12/H/29
25(11)	Employment: Small firms	*
26	Monthly index of employment of operatives: Larger establishments	12/H/30

* Not applicable to this trade

WATER UNDERTAKINGS

12/H/1

WATER UNDERTAKINGS TRADE

THIS REPORT on Water Undertakings relates to establishments purifying and distributing water. It does not cover private water works maintained by establishments primarily for their own use.

This trade corresponds to minimum list heading 212 in the Standard Industrial Classification.

The value of any work of new construction carried out by employees of water undertakings is included in gross output, and the 1935 figures originally published have been correspondingly revised.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1935 for less than 1 per cent. of the net output for the United Kingdom.

WATER UNDERTAKINGS

Summary

Larger undertakings

TABLE 1

	1948 (a)			1935 (b)		
	Companies	Local Authorities	Total	Companies	Local Authorities	Total
Gross output (production) (c)	£'000 9,248	£'000 35,151	£'000 44,399	£'000 5,693	£'000 22,529	£'000 28,222
Cost of materials and fuel used	2,303(d)	6,777(d)	9,079(d)	798	2,848	3,646
Payment for work done on materials given out	-	-	-
Net output	6,946	28,374	35,320	4,895	19,681	24,576
Wages and salaries of persons employed	2,557 No.	8,875 No.	11,432 No.	.. No.	.. No.	.. No.
Average number of persons employed	7,625(e) £	26,247(e) £	33,872(e) £	7,040 £	24,934 £	31,974 £
Net output per person employed	911	1,081	1,043	695	789	769
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Materials and fuel	971 No.	3,775 No.	4,746 No.	.. No.	.. No.	.. No.
Number of undertakings	77	258	335	84	288	372

(a) Great Britain only.

(b) United Kingdom.

(c) Derived as follows:-

	1948			1935		
	Companies	Local Authorities	Total	Companies	Local Authorities	Total
Value of water supplied (see Table 8)	£'000 8,191	£'000 31,156	£'000 39,347	£'000 4,997	£'000 20,291	£'000 25,288
Amount charged for work done for consumers and for other undertakings (see Table 8)	307	781	1,088	111	270	381
Value of work of new construction (see Table 8)	751	3,213	3,964	585	1,968	2,553
Gross output (production)	9,248	35,151	44,399	5,693	22,529	28,222

(d) Derived as follows:-

	1948		
	Companies	Local Authorities	Total
Total value of purchases (see Table 13)	£'000 2,391	£'000 7,136	£'000 9,527
Adjustment for stocks (see Table 14)	- 88	- 359	- 448
Materials and fuel used	2,303	6,777	9,079

(e) For an estimate of the total number of persons employed in this trade See Table 3.

Summary, 1948

Small undertakings in Great Britain

TABLE 2

	Companies	Local Authorities	Total
Number of returns	69	578	647
Average number of persons employed			
Males	284	2,892	3,176
Females	17	45	62
Total	301	2,937	3,238

Estimated average employment, 1948

All undertakings in Great Britain

TABLE 3

	Companies	Local Authorities	Total
As returned by undertakings			
Employing on average more than ten persons (a)	7,625	26,247	33,872
Employing on average ten persons or less (b)	301	2,937	3,238
Estimated average employment in undertakings not making satisfactory returns	7,926	29,184	37,110
Estimated average employment in all undertakings	20	160	180
	7,946	29,344	37,290

(a) See Tables 1 and 15.

(b) See Table 2.

Analysis by size, 1948

Larger undertakings in Great Britain

TABLE 4

Average number employed	Under-takings	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
11-24	No. 115	£'000 2,619	£'000 1,707	No. 1,985	£'000 456	£'000 166	£'000 622	£ 860
25-49	92	4,019	2,924	3,164	733	287	1,020	924
50-99	60	5,305	4,139	4,238	971	367	1,338	977
100-199	33	6,148	4,712	4,547	1,101	407	1,508	1,036
200-299	14	4,404	3,428	3,335	808	236	1,044	1,028
300-399	9	3,845	2,945	3,091	723	311	1,034	953
400-499	5	2,698	2,119	2,165	523	162	685	979
500 and over	7	15,361	13,345	11,347	2,987	1,192	4,180	1,176
Total	335	44,399	35,320	33,872	8,303	3,129	11,432	1,043

Analysis by standard region, 1948

Larger undertakings in Great Britain

TABLE 5

Region	Under-takings	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
England	No.	£'000	£'000		No.	£'000	£'000	£'000
Northern	14	2,284	1,825	5.2	1,888	425	169	594
East and West Ridings of Yorkshire	27	4,184	3,370	9.5	2,759	694	186	881
North Midland	27	2,332	1,474	4.2	1,549	370	145	515
Eastern	29	3,096	2,362	6.7	2,401	564	268	832
London and South Eastern	52	12,635	10,510	29.8	9,727	2,502	1,090	3,592
Southern	27	2,066	1,528	4.3	1,812	443	158	602
South Western	30	1,958	1,509	4.3	1,459	325	143	467
Midland	22	4,003	3,107	8.8	2,995	723	296	1,019
North Western	48	7,038	5,812	16.5	5,017	1,244	393	1,636
Total England	276	39,595	31,497	89.2	29,607	7,290	2,849	10,139
Wales	33	1,709	1,326	3.8	1,591	360	136	496
Scotland	26	3,094	2,497	7.1	2,674	653	144	797
Great Britain	335	44,399	35,320	100.0	33,872	8,303	3,129	11,432

TABLE 6 - Analysis according to specialisation within the trade, 1948

Larger undertakings in Great Britain

TABLE 7 - Total make of intermediate products: Larger undertakings

These tables are not applicable to the trade.

Water supplied and work done by employees of Water Undertakings (a)

TABLE 8

	1948(b)			1935(c)	
	Quantity	Value (d)	Entries	Quantity	Value (d)
Water supplied	Mill. galls.	£'000	No.	Mill. galls.	£'000
Water sold to other water undertakings					
Companies	5,061	232	48	2,270	80
Local Authorities	56,298	2,234	155	34,511	1,247
Total	61,359	2,466	203	36,781	1,327
Other water supplied					
Sold					
For public purposes (e.g., street watering, public baths, etc.)					
Companies					
Metered	628	37	29	757	42
Not metered	1,104	66	10		
Local Authorities					
Metered	5,036	281	104	7,368	302
Not metered	1,413	68	59		
Total	8,181	452	..	8,125	344
For trade and domestic purposes (including municipal trading departments)					
Companies					
Metered	21,281	1,442	40	75,247	4,713
Not metered	26,266	1,495	29		
Local Authorities					
Metered	114,609	6,679	167	394,754	18,684
Not metered	82,901	4,199	129		
Total	245,057	13,816	..	470,001	23,397
Water supplied for unclassified purposes, including some water supplied free					
Companies	67,384	4,918	66	2,398	162
Local Authorities	315,650	17,695	175	1,404	58
Total	383,034	22,613	241	3,802	220
Supplied free (e)					
Companies	86		13	-	
Local Authorities	7,847		63	558	
Total	7,933		76	558	
Total water supplied					
Companies	121,810	8,191	77	80,672	4,997
Local Authorities	583,753	31,166	258	438,595	20,291
Total	705,563(f)	39,347	335	519,267(f)	25,288

TABLE 8 (contd.)

	1948 (b)		1935 (c)
	Amount charged	Entries	Amount charged
Work done for consumers, for which a direct charge was made	£'000	No.	£'000
Laying and fixing pipes, fixing meters and fittings (exclusive of cost of meters and fittings)			
Companies	209	66	91
Local Authorities	540	206	178
Other work for which a direct charge was made to consumers			
Companies	59	33	20
Local Authorities	160	133	92
Unclassified			
Companies	32	9	-
Local Authorities	72	18	-
Work done (other than for consumers) for which a direct charge was made (e)			
Companies	6	..	-
Local Authorities	9	..	-
Total work done, for which a direct charge was made			
Companies	307	..	111
Local Authorities	781	..	270
Total	1,088	..	381
	Value (g)		Value (g)
New construction (including enlargement of existing buildings, etc.)	£'000		£'000
Of reservoirs, wells, aqueducts and conduits			
Companies	31	27	503(h)
Local Authorities	460	50	1,879(h)
Of trunk, distributing and service mains			
Companies	630	74	(1)
Local Authorities	2,585	225	
Of buildings			
Companies	42	30	56
Local Authorities	99	58	39
Of machinery and plant			
Companies	49	33	26
Local Authorities	68	60	50

TABLE 8 (contd.)

	1948 (b)		1935 (c)
	Value (g)	Entries	Value (g)
New construction (including enlargement of existing buildings, etc.) (contd.)	£'000	No.	£'000
Total value of new construction, etc. work done			
Companies	751	..	585
Local Authorities	3,213	..	1,968
Total	3,964	..	2,553
Total value of water supplied, work done for which a direct charge was made, and new construction work done			
Companies	9,248	77	5,693
Local Authorities	35,151	258	22,529
Total	44,399	335	28,222
Repair and maintenance			
Of reservoirs, wells, aqueducts and conduits			
Companies	152	53	305(j)
Local Authorities	917	217	1,572(j)
Of trunk, distributing and service mains			
Companies	330	74	(k)
Local Authorities	1,878	256	
Of buildings			
Companies	133	62	55
Local Authorities	252	162	93
Of machinery and plant			
Companies	285	70	104
Local Authorities	859	204	227
Work done for consumers for which no direct charge was made			
Companies	50	30	20
Local Authorities	183	101	47
Other work			
Companies	4	5	124
Local Authorities	29	15	186

TABLE 8 (contd.)

	1948 (b)		1935 (c)
	Value (g) £'000	Entries No.	Value (g) £'000
Total value of repair and maintenance, etc. work done			
Companies	954	..	608
Local Authorities	4,117	..	2,125
Total	5,071	..	2,733
Total water supplied and work done by employees of Water Undertakings			
Companies	10,202	77	6,301
Local Authorities	39,267	258	24,654
Total	49,470	335	30,955

- (a) The figures shown in this table exclude work of construction, alteration, repair and maintenance of water works (reservoirs, aqueducts, wells, mains and hydraulic works) carried out by firms and undertakings which made returns on schedules for other trades. These particulars will be shown in a later summary volume.
- (b) Great Britain only.
- (c) United Kingdom.
- (d) These figures represent the net amount charged, less discounts, whether the charge was levied by rate, or rent, or in any other way: they exclude transfers from local rates to meet deficiencies in the income of the undertakings. Meter rents are included in 1948 but not in 1935.
- (e) So far as recorded separately.
- (f) These figures include duplication to the extent to which water was sold to other undertakings employing an average of more than ten persons and was redistributed by them; the quantity so included in 1948 was 54,404 million gallons (see Table 13) and in 1935 was 25,441 million gallons.
- (g) The values represent sums calculated to cover wages, salaries and cost of materials used, together with an allowance for general establishment charges.
- (h) Including work of new construction of trunk, distributing and service mains.
- (i) Included with new construction of reservoirs, wells, aqueducts and conduits.
- (j) Including repair and maintenance of trunk, distributing and service mains.
- (k) Included with repair and maintenance of reservoirs, wells, aqueducts and conduits.

TABLE 9 - Sales (or production) of principal products of the trade by establishments classified to other trades: Larger undertakings

TABLE 10 - Sales (or production) in the trade of other than principal products: Larger undertakings

TABLE 11 - Analysis of sales, 1948: Larger undertakings in Great Britain

TABLE 12 - Production, exports and imports of certain principal products

These tables are not applicable to the trade.

Purchased materials and fuel

Larger undertakings

TABLE 13

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Mill. galls.	£'000	Mill. galls.	£'000
Materials				
Water purchased from other undertakings				
Companies	8,383	234	1,364	34
Local Authorities	46,021	1,608	24,077	746
Total	54,404	1,843	25,441	780
Purifying agents	41	316		
Water softening materials (d)	14	61		
Materials for building and constructional work				
Water pipes (including valves, etc.)	76	1,949		
Iron and steel (other than water pipes)	2	93		
Other metals and metal alloys (lead, tin, solder, etc., and fittings other than water pipes) (d)	..	153	..	2,030 (c)
Cement	9	35		
Bricks	4.0	28		
Other buildings, etc. materials	..	244		
Consumable tools and replacement parts for undertakings' own machinery (d)	..	423		
Repair and workshop materials (d)	..	173		
All other purchased materials	..	545		
Total materials other than water				
Companies		1,030		496
Local Authorities		3,444		1,534
Total		4,473		2,030

TABLE 13 (contd.)

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000
Fuel and electricity				
Coal				
Companies	121.8	362	115.7	122
Local Authorities	253.5	833	320.8	338
Coke				
Companies	12.6	36	11.6	14
Local Authorities	19.6	66	18.4	24
Electricity purchased (e)	Th. B.T.U. (kW.hrs.)		Th. B.T.U. (kW.hrs.)	
From public supply	361,542	1,373	95,075	238
From other sources	1,022	3		
Electricity obtained from other works under the same ownership	-	-		
Total, electricity				
Companies	121,388	444	31,292	67
Local authorities	241,177	932	63,783	171
Motor spirit (petrol) and deriv. fuel	Th. galls.		Th. galls.	
Used for road vehicles	1,167	109	..	(f)
Used for other power purposes	1,521	68		
Total, motor spirit				
Companies	1,301	70	..	(f)
Local Authorities	1,387	107		
Other oil fuel (including creosote/pitch mixtures)				
Companies	3,717	191	3,339	65(g)
Local Authorities	2,934	125	1,826	35(g)
Gas purchased	Th. therms			
Companies	262	13	..	(f)
Local Authorities	745	15		
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	17		

TABLE 13 (contd.)

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Fuel and Electricity (contd.)				
Total fuel and electricity				
Companies		1,127		268
Local Authorities		2,084		568
Total materials, fuel and electricity				
Companies		2,391		798
Local Authorities		7,136		2,848
Total		9,527		3,648

(a) Great Britain only.

(b) United Kingdom.

(c) Including fuel not specified separately.

(d) So far as recorded separately.

(e) The total quantity of electricity consumed in 1948 was 410,118,000 B.T. units including 47,553,000 generated in the same works.

(f) Not recorded separately.

(g) Described as "Heavy fuel oil".

Stocks of materials and fuel, 1948
Larger undertakings in Great Britain

TABLE 14

	At beginning of year			At end of year		
	Companies	Local Authorities	Total	Companies	Local Authorities	Total
	£'000	£'000	£'000	£'000	£'000	£'000
Materials and fuel	882	3,416	4,298	971	3,775	4,746

Employment and remuneration (a)

Larger undertakings

(i) Companies

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948 (c)	1935 (d)	1948 (c)	1935 (d)	1948 (c)	1935 (d)
Males						
Under 18	72	61	46	53	118	114
All ages	5,555	5,556	1,507	1,267	7,062	6,823
Females						
Under 18	-	-	78	14	78	14
All ages	78	49	485	168	563	217
Total						
Under 18	72	61	124	67	196	128
All ages	5,633	5,605	1,992	1,435	7,625(e)	7,040
	£'000		£'000		£'000	
Total remuneration	1,732	..	825	..	2,557	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers - males 13 females
Other workers 19 males 1 female

(b) Number at September 25, 1948, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £85,000.

Employment and remuneration (a)

Larger undertakings

(ii) Local Authorities

TABLE 15 (contd.)

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948 (c)	1935 (d)	1948 (c)	1935 (d)	1948 (c)	1935 (d)
Males						
Under 18	145	169	121	101	266	270
All ages	20,959	20,899	4,405	3,535	25,364	24,434
Females						
Under 18	3	-	78	18	81	18
All ages	157	140	726	360	883	500
Total						
Under 18	148	169	199	119	347	288
All ages	21,116	21,039	5,131	3,895	26,247(e)	24,934
	£'000		£'000		£'000	
Total remuneration	6,571	..	2,304	..	8,875	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 1 male 10 females
Other workers 99 males 4 females

(b) Number at September 25, 1948, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £236,000.

Employment and remuneration (a)

Larger undertakings

(iii) Companies and Local Authorities

TABLE 15 (contd.)

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948 (c)	1935 (d)	1948 (c)	1935 (d)	1948 (c)	1935 (d)
Males						
Under 18	217	230	167	154	384	384
All ages	26,514	26,455	5,912	4,802	32,426	31,257
Females						
Under 18	3	-	156	32	159	32
All ages	235	189	1,211	528	1,446	717
Total						
Under 18	220	230	323	186	543	416
All ages	26,749	26,644	7,123	5,330	33,872(e)	31,974
Total remuneration	£'000	..	£'000	..	£'000	..
	8,303	..	3,129	..	11,432	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 1 male 23 females

Other workers 118 males 5 females

(b) Number at September 25, 1948, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £301,000.

Wages and salaries paid, 1948 (a)

Larger undertakings in Great Britain

(i) Companies

TABLE 16

	Amount paid by all undertakings	Undertakings making returns for the calendar year							
		Amount paid	Percentage of annual remuneration paid in						
			First quarter	Second quarter	Third quarter	Fourth quarter	Year		
Wages and salaries of Operatives	£'000	£'000							
	1,732	1,311	23.1	24.2	26.1	26.6	100.0		
Administrative, technical and clerical employees	825	645	24.2	24.7	25.4	25.7	100.0		
Total	2,557	1,955	23.5	24.3	25.9	26.3	100.0		

(a) Including bonus and commission payments.

Wages and salaries paid, 1948 (a)

Larger undertakings in Great Britain

(ii) Local Authorities

TABLE 16 (contd.)

	Amount paid by all undertakings	Undertakings making returns for the year ended March, 1949							
		Amount paid	Percentage of annual remuneration paid in						
			First quarter	Second quarter	Third quarter	Fourth quarter	Year		
Wages and salaries of Operatives	£'000	£'000							
	6,571	5,668	23.7	25.4	25.5	25.4	100.0		
Administrative, technical and clerical employees	2,304	2,091	24.6	25.0	25.1	25.2	100.0		
Total	8,875	7,759	24.0	25.3	25.4	25.3	100.0		

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger undertakings in Great Britain

No payments for work done on materials given out were recorded.

Payments for certain services, 1948
Larger undertakings in Great Britain

TABLE 18

	Amount paid		
	Companies	Local Authorities	Total
	£'000	£'000	£'000
Repair and maintenance			
Of buildings	41	121	162
Of plant, machinery and vehicles	79	149	228
Unclassified	20	372	392
Hire of plant, machinery and vehicles	25	136	162
Advertising and market research			
Advertising in newspapers, magazines and periodicals	2	11	14
Other advertising services (poster display, despatch of circulars, etc.) and market research	1	18	19
Unclassified	1	3	4
Payments made for research work			
To research associations	2	4	5
To universities, institutions, academic bodies and similar agencies	1	3	4
To other commercial concerns	4	5	9
Postage, telephone, telegrams and cables	51	112	163
Commercial insurance premiums	42	52	94
Rates (excluding water rates) payable in the year	1,120	4,287	5,407
Rates (including water rates) payable in the year	1	484	485

Plant, machinery and vehicles acquired and disposed of, 1948
Larger undertakings in Great Britain

TABLE 19

	Acquisitions						Disposals		
	New			Second-hand			Companies	Local Authorities	Total
	Companies	Local Authorities	Total	Companies	Local Authorities	Total			
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Plant and machinery	1,297	4,765	6,062	10	81	90	21	32	53
Vehicles	34	84	118	9	25	34	4	8	13
Total	1,331	4,849	6,180	18	106	124	25	41	66

Capital expenditure on building work and changes in occupation of buildings and land, 1948
Larger undertakings in Great Britain

TABLE 20

	Companies	Local Authorities	Total
	£'000	£'000	£'000
1. Capital expenditure on building work (a)	407	3,225	3,632
2. Existing buildings and land (b)			
(1) Capital cost of freeholds bought	60	92	152
Estimated capital value of			
(11) Rented property newly occupied in the year (c)	9	52	61
(111) Leasehold buildings and land newly occupied in the year	-	27	27
Total of heading 2	69	171	240
Total of headings 1 and 2	476	3,396	3,872
3. Existing buildings and land relinquished (d)			
(1) Selling value of freeholds sold	8	41	49
(11) Estimated value of other properties relinquished	-	62	62
Total of heading 3	8	103	111
4. Headings 1 and 2 less heading 3	468	3,293	3,761

- (a) Excluding site value which, where appropriate, is included in heading 2(1).
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.
 (d) Including property destroyed or abandoned.

WATER UNDERTAKINGS

1948

Note - There were no larger Water Undertakings operated by companies in Scotland in the register for this trade.

Summary
Larger undertakings
(i) Companies

TABLE 21

	England	Wales	Great Britain
	£'000	£'000	£'000
Gross output (production)	9,076	172	9,248
Cost of materials and fuel used	2,259	44	2,303
Payment for work done on materials given out	-	-	-
Net output	6,818	128	6,946
Wages and salaries of persons employed	2,501	58	2,557
	No.	No.	No.
Average number of persons employed	7,434	191	7,625
	£	£	£
Net output per person employed	917	670	911
	£'000	£'000	£'000
Stocks at end of year			
Materials and fuel	959	12	971
	No.	No.	No.
Number of undertakings	72	5	77

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Great Britain
	£'000	£'000	£'000
Output of undertakings in this trade			
Total value of water supplied, work done for which a direct charge was made, and new construction work done (see Table 23)	9,076	172	9,248
Materials and fuel used by undertakings in this trade			
Purchases (see Table 24)	2,347	44	2,391
Adjustment for changes in stocks	- 88	-	- 88
Materials and fuel used	2,259	44	2,303

Summary

Larger undertakings

(ii) Local Authorities

TABLE 21 (Contd.)

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	30,519	1,538	3,094	35,151
Cost of materials and fuel used	5,840	340	597	6,777
Payment for work done on materials given out	-	-	-	-
Net output	24,679	1,198	2,497	28,374
Wages and salaries of persons employed	7,638	440	797	8,875
	No.	No.	No.	No.
Average number of persons employed	22,173	1,400	2,674	26,247
	£	£	£	£
Net output per person employed	1,113	856	934	1,081
	£'000	£'000	£'000	£'000
Stocks at end of year				
Materials and fuel	3,216	168	391	3,775
	No.	No.	No.	No.
Number of undertakings	204	28	26	258

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of undertakings in this trade				
Total value of water supplied, work done for which a direct charge was made, and new construction work done (see Table 23)	30,519	1,538	3,094	35,151
Materials and fuel used by undertakings in this trade				
Purchases (see Table 24)	6,141	350	645	7,136
Adjustment for changes in stocks	- 301	- 10	- 48	- 359
Materials and fuel used	5,840	340	597	6,777

Summary

Larger undertakings

(iii) Companies and Local Authorities

TABLE 21 (contd.)

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	39,595	1,709	3,094	44,399
Cost of materials and fuel used	8,099	384	597	9,079
Payment for work done on materials given out	-	-	-	-
Net output	31,497	1,325	2,497	35,320
Wages and salaries of persons employed	10,139	496	797	11,432
Average number of persons employed	No. 29,607	No. 1,591	No. 2,874	No. 33,872
Net output per person employed	£ 1,064	£ 833	£ 834	£ 1,043
Stocks at end of year	£'000	£'000	£'000	£'000
Materials and fuel	4,175	180	391	4,746
Number of undertakings	No. 276	No. 33	No. 26	No. 335

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of undertakings in this trade				
Total value of water supplied, work done for which a direct charge was made, and new construction work done (see Table 23)	39,595	1,709	3,094	44,399
Materials and fuel used by undertakings in this trade				
Purchases (see Table 24)	8,488	394	645	9,527
Adjustment for changes in stocks	- 389	- 10	- 48	- 448
Materials and fuel used	8,099	384	597	9,079

Summary

Small undertakings

(i) Companies

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	65	4	-	69
Average number of persons employed				
Males	271	13	-	284
Females	17	-	-	17
Total	288	13	-	301

(ii) Local Authorities

TABLE 22 (contd.)

	England	Wales	Scotland	Great Britain
Number of returns	397	37	144	578
Average number of persons employed				
Males	2,069	227	596	2,892
Females	31	1	13	45
Total	2,100	228	609	2,937

(iii) Companies and Local Authorities

TABLE 22 (contd.)

	England	Wales	Scotland	Great Britain
Number of returns	462	41	144	647
Average number of persons employed				
Males	2,340	240	596	3,176
Females	48	1	13	62
Total	2,388	241	609	3,238

Water supplied and work done by employees of Water Undertakings

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value (a)	Quantity	Value (a)	Quantity	Value (a)
	Mill. galls.	£'000	Mill. galls.	£'000	Mill. galls.	£'000
Water supplied						
Water sold to other water undertakings						
Companies	5,061	232	-	-	5,061	232
Local Authorities	53,702	2,168	2,596	66	56,298	2,234
Total	58,763	2,400	2,596	66	61,359	2,466
Other water supplied						
Sold						
For public purposes (e.g., street watering, public baths, etc.)						
Companies						
Metered	628	37	-	-	628	37
Not metered	1,104	66	-	-	1,104	66
Local Authorities						
Metered	4,280	249	756	32	5,036	281
Not metered	1,390	67	23	1	1,413	68
Total	7,402	419		33	8,181	452
For trade and domestic purposes (including municipal trading departments)						
Companies						
Metered	21,281	1,442	-	-	21,281	1,442
Not metered	26,266	1,495	-	-	26,266	1,495
Local Authorities						
Metered	101,436	6,239	13,173	440	114,609	6,679
Not metered	70,360	3,710	12,541	489	82,901	4,199
Total	219,343	12,866	25,713	929	245,057	13,816
Water supplied for unclassified purposes, including some water supplied free						
Companies	67,384	4,918	-	-	67,384	4,918
Local Authorities	252,728	16,247	62,922	1,448	315,650	17,695
Total	320,111	21,165	62,922	1,448	383,034	22,613

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value (a)	Quantity	Value (a)	Quantity	Value (a)
	Mill. galls.	£'000	Mill. galls.	£'000	Mill. galls.	£'000
Water supplied (contd.)						
Other water supplied (contd.)						
Supplied free (b)						
Companies	86	-	-	-	86	-
Local Authorities	5,848		1,999		7,847	
Total	5,934		1,999		7,933	
Total water supplied						
Companies	121,810	8,191	-	-	121,810	8,191
Local Authorities	489,743	28,680	94,010	2,476	583,753	31,156
Total	611,553(c)	36,871	94,010(c)	2,476	705,563(c)	39,347
	Amount charged		Amount charged		Amount charged	
	£'000		£'000		£'000	
Work done for consumers, for which a direct charge was made						
Laying and fixing pipes, fixing meters and fittings (exclusive of cost of meters and fittings)						
Companies	209		-		209	
Local Authorities	472		69		540	
Other work for which a direct charge was made to consumers						
Companies	59		-		59	
Local Authorities	137		22		160	
Unclassified						
Companies	32		-		32	
Local authorities	70		2		72	
Work done (other than for consumers) for which a direct charge was made (b)						
Companies	6		-		6	
Local Authorities	9		-		9	
Total work done for which a direct charge was made						
Companies	307		-		307	
Local Authorities	688		93		781	
Total	995		93		1,088	

TABLE 23 (contd.)

	England and Wales	Scotland	Great Britain
	Value (d) £'000	Value (d) £'000	Value (d) £'000
New construction (including enlargement of existing buildings, etc.)			
Of reservoirs, wells, aqueducts and conduits			
Companies	31	-	31
Local Authorities	450	10	460
Of trunk, distributing and service mains			
Companies	630	-	630
Local Authorities	2,072	513	2,585
Of buildings			
Companies	42	-	42
Local Authorities	97	2	99
Of machinery and plant			
Companies	49	-	49
Local Authorities	68	-	68
Total value of new construction, etc. work done			
Companies	751	-	751
Local Authorities	2,688	525	3,213
Total	3,439	525	3,964
Total value of water supplied, work done for which a direct charge was made, and new construction work done			
Companies	9,248	-	9,248
Local Authorities	32,056	3,094	35,151
Total	41,304	3,094	44,399
Repair and maintenance			
Of reservoirs, wells, aqueducts and conduits			
Companies	152	-	152
Local Authorities	836	80	917
Of trunk, distributing and service mains			
Companies	330	-	330
Local Authorities	1,533	344	1,878

TABLE 23 (contd.)

	England and Wales	Scotland	Great Britain
	Value (d) £'000	Value (d) £'000	Value (d) £'000
Repair and maintenance (contd.)			
Of buildings			
Companies	133	-	133
Local Authorities	247	6	252
Of machinery and plant			
Companies	285	-	285
Local Authorities	778	81	859
Work done for consumers for which no direct charge was made			
Companies	50	-	50
Local Authorities	153	30	183
Other work			
Companies	4	-	4
Local Authorities	12	17	29
Total value of repair and maintenance, etc. work done			
Companies	954	-	954
Local Authorities	3,559	558	4,117
Total	4,513	558	5,071
Total water supplied and work done by employees of Water Undertakings			
Companies	10,202	-	10,202
Local Authorities	35,615	3,652	39,267
Total	45,817	3,652	49,470

(a) These figures represent the net amount charged, less discounts, whether the charge was levied by rate, or rent, or in any other way: they exclude transfers from local rates to meet deficiencies in the income of the undertakings. Meter rents are included.

(b) So far as recorded separately.

(c) These figures include duplication to the extent to which water was sold to other undertakings employing an average of more than ten persons and was redistributed by them; the quantity so included amounted to a total of 54,404 million gallons, 52,892 million gallons purchased by undertakings in England and Wales and 1,712 million gallons by undertakings in Scotland (see Table 24).

(d) The values represent sums calculated to cover wages, salaries and cost of materials used, together with an allowance for general establishment charges.

Purchased materials and fuel

Larger undertakings

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Mill. galls.	£'000	Mill. galls.	£'000	Mill. galls.	£'000
Materials						
Water purchased from other undertakings						
Companies	8,383	234	-	-	8,383	234
Local Authorities	44,309	1,574	1,712	35	46,021	1,608
Total	52,692	1,808	1,712	35	54,404	1,843
	Th. tons		Th. tons		Th. tons	
Purifying agents	38	283	3	33	41	316
Water softening materials (a)	14	61	-	-	14	61
Materials for building and constructional work						
Water pipes (including valves, etc.)	62	1,629	14	320	76	1,949
..	..	355	..	67	..	422
Iron and steel (other than water pipes)	2	81	-	12	2	93
..	..	32	32
Other metals and metal alloys (lead, tin, solder, etc., and fittings other than water pipes) (d)	..	129	..	24	..	153
Cement	9	33	-	2	9	35
	Mill.		Mill.		Mill.	
Bricks	3.6	26	0.4	3	4.0	28
Other building, etc. materials	..	221	..	23	..	244
Consumable tools and replacement parts for undertakings' own machinery (a)	..	396	..	26	..	423
Repair and workshop materials (a)	..	163	..	10	..	173
All other purchased materials	..	514	..	31	..	545
Total materials other than water						
Companies		1,030		-		1,030
Local Authorities		2,893		551		3,444
Total		3,923		551		4,473

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal						
Companies	121.8	362	-	-	121.8	362
Local Authorities	247.7	817	5.7	16	253.5	833
Coke						
Companies	12.6	36	-	-	12.6	36
Local Authorities	18.0	61	1.5	4	19.6	66
Electricity purchased	Th. B.T.U. (kW.hrs.)		Th. B.T.U. (kW.hrs.)		Th. B.T.U. (kW.hrs.)	
From public supply	353,949	1,344	7,594	28	361,542	1,373
From other sources	1,022	3	-	-	1,022	3
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Total electricity						
Companies	121,388	444	-	-	121,388	444
Local Authorities	233,583	903	7,594	28	241,177	932
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	1,098	103	70	6	1,167	109
Used for other power purposes	1,486	66	35	2	1,521	68
Total motor spirit						
Companies	1,301	70	-	-	1,301	70
Local Authorities	1,283	98	105	8	1,387	107
Other oil fuel (including creosote/pitch mixtures)						
Companies	3,717	191	-	-	3,717	191
Local Authorities	2,889	123	45	2	2,934	125
Gas purchased	Th. therms		Th. therms		Th. therms	
Companies	262	13	-	-	262	13
Local Authorities	715	14	30	-	745	15
Total	976	27	30	-	1,007	27

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)		£'000		£'000		£'000
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	17	-	-	..	17
Total fuel and electricity						
Companies		1,127		-		1,127
Local Authorities		2,024		60		2,084
Total materials, fuel and electricity						
Companies		2,391		-		2,391
Local Authorities		6,491		645		7,136
Total		8,882		645		9,527

(a) So far as recorded separately.

TABLE 25 - Employment and remuneration: Larger undertakings

(i) Companies

See Table 15-(1). There were no larger Water Undertakings operated by companies in Scotland in the register for this trade.

Employment and remuneration

Larger undertakings

(ii) Local Authorities

TABLE 25 (contd.)

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	132	117	249	13	4	17	145	121	266
All ages	18,860	4,129	22,789	2,299	276	2,575	20,959	4,405	25,364
Females									
Under 18	3	68	71	-	10	10	3	78	81
All ages	134	650	784	23	76	99	157	728	883
Total									
Under 18	135	185	320	13	14	27	148	199	347
All ages	18,794	4,779	23,573 (b)	2,322	352	2,674 (b)	21,118	5,131	26,247 (b)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	5,918	2,160	8,078	653	144	797	6,571	2,304	8,875

(a) Number at September 25, 1948.

(b) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £236,000; £218,000 for England and Wales, and £18,000 for Scotland.

Employment and remuneration

Larger undertakings

(iii) Companies and Local Authorities

TABLE 25 (contd.)

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	204	163	367	13	4	17	217	167	384
All ages	24,215	5,636	29,851	2,299	276	2,575	26,514	5,912	32,426
Females									
Under 18	3	146	149	-	10	10	3	156	159
All ages	212	1,135	1,347	23	76	99	235	1,211	1,446
Total									
Under 18	207	309	516	13	14	27	220	323	543
All ages	24,427	6,771	31,198 (b)	2,322	352	2,674 (b)	26,749	7,123	33,872 (b)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	7,650	2,985	10,635	653	144	797	8,303	3,129	11,432

(a) Number at September 25, 1948.

(b) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £301,000; £283,000 for England and Wales, and £18,000 for Scotland.

Monthly index of employment of operatives: Larger undertakings
(average employment in 1948 = 100)

(i) Companies

TABLE 26

Month	Monthly index (a)	Month	Monthly index (a)
	England and Wales		England and Wales
1948		1948	
January	96.1	August	101.0
February	96.6	September	101.1
March	97.7	October	103.4
April	99.1	November	103.4
May	99.1	December	103.2
June	99.1		
July	100.0	Percentage employment in this trade covered by the index	75.4

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger undertakings that made returns for the calendar year 1948.

Monthly index of employment of operatives: Larger undertakings
(average employment in the year ended March, 1949 = 100)

(ii) Local Authorities

TABLE 26 (contd.)

Month	Monthly index (a)	Month	Monthly index (a)
	England and Wales (b)		England and Wales (b)
1948		1948	
April	100.6	November	100.2
May	100.6	December	100.7
June	98.5	1949	
July	97.3	January	101.3
August	98.7	February	101.6
September	99.1	March	101.3
October	100.2		
		Percentage employment in this trade covered by the index	84.7

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger undertakings that made returns for the twelve months ended March, 1949.

(b) No returns for the twelve months ended March, 1949 were received from the larger undertakings in Scotland.

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