



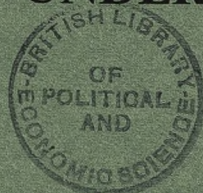
BOARD OF TRADE

THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

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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\* Not applicable to this trade

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.

Gross output in this trade comprises the total sums received for water supplied and work charged for, and the value of new constructional work carried out by employees of water undertakings.

Separate information relating to companies and to local authorities in this trade in Northern Ireland is not available for 1951, 1950 and 1949 and particulars of all water undertakings in Northern Ireland have been included in the figures for local authorities. No water supplied or work done by companies was recorded for Northern Ireland in 1935.

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

GAS, ELECTRICITY AND WATER  
WATER UNDERTAKINGS  
Summary  
Larger undertakings (a).  
(A) Companies

TABLE 1

	Great Britain				
	1951	1950	1949	1948	1935
Gross output (production)	£'000 10,873	£'000 10,281	£'000 9,940	£'000 9,248	£'000 5,693
Cost of materials and fuel used	3,111	2,839	2,482	2,303	798
Transport payments	32				
Net output	7,730	7,442	7,458	6,946	4,895
Wages and salaries of persons employed	3,244	2,863	2,753	2,557	..
Average number of persons employed (b)	No. 8,242	No. 8,024	No. 7,885	No. 7,625	No. 7,040
Net output per person employed	£ 938	£ 927	£ 946	£ 911	£ 695
Stocks at end of year	£'000	£'000	£'000	£'000	£'000
Materials and fuel	1,551	1,186	1,039	971	..
Number of undertakings	No. 74	No. 74	No. 77	No. 77	No. 84

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

	£'000	£'000	£'000	£'000	£'000
Value of water supplied (c)	9,641	9,502	9,277	8,191	4,997
Amount charged for work done (c)	407				
Value of work of new construction (c)	825				
Gross output (production)	10,873	10,281	9,940	9,248	5,693
Materials and fuel used by undertakings in this trade					
Purchases	3,430	3,023	2,551	2,391	798
Changes in stocks (d)	- 319	- 184	- 69	- 88	
Materials and fuel used	3,111	2,839	2,482	2,303	798

(For footnotes to the table see page 12/H/4)

## (B) Local Authorities

TABLE 1 (contd.)

	United Kingdom			Great Britain		United Kingdom
	1951	1950	1949	1949	1948	1935
Gross output (production)	£'000 40,135	£'000 38,847	£'000 37,782	£'000 37,228	£'000 35,151	£'000 22,529
Cost of materials and fuel used	9,079	8,042	7,834	7,687	6,777	2,848
Transport payments	369					
Net output	30,687	30,805	29,948	29,541	28,374	19,681
Wages and salaries of persons employed	11,037	10,114	9,646	9,445	8,875	..
Average number of persons employed (b)	No. 28,216	No. 28,246	No. 27,674	No. 27,027	No. 26,247	No. 24,934
Net output per person employed	£ 1,088	£ 1,091	£ 1,082	£ 1,093	£ 1,081	£ 789
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Materials and fuel	5,512	4,721	4,151	4,151	3,775	..
Number of undertakings	No. 281	No. 281	No. 272	No. 268	No. 258	No. 288

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

	£'000	£'000	£'000	£'000	£'000	£'000
Value of water supplied (c)	34,822	34,468	34,050	33,692	31,156	20,291
Amount charged for work done (c)	1,072					
Value of work of new construction (c)	4,241					
Gross output (production)	40,135	38,847	37,782	37,228	35,151	22,529
Materials and fuel used by undertakings in this trade						
Purchases	9,869	8,573	8,156	8,009	7,136	2,848
Changes in stocks (d)	- 791	- 531	- 322	- 322	- 359	
Materials and fuel used	9,079	8,042	7,834	7,687	6,777	2,848

(For footnotes to the table see page 12/H/4)

## (C) Companies and Local Authorities

TABLE 1 (contd.)

	United Kingdom			Great Britain		United Kingdom
	1951	1950	1949	1949	1948	1935
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	51,008	49,128	47,722	47,168	44,399	28,222
Cost of materials and fuel used	12,189	10,881	10,316	10,169	9,079	3,646
Transport payments	401					
Net output	38,418	38,247	37,407	36,999	35,320	24,576
Wages and salaries of persons employed	14,281	12,976	12,398	12,197	11,432	..
Average number of persons employed (b)	No. 36,458	No. 36,270	No. 35,559	No. 34,912	No. 33,872	No. 31,974
Net output per person employed	£ 1,054	£ 1,055	£ 1,052	£ 1,060	£ 1,043	£ 769
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Materials and fuel	7,063	5,907	5,189	5,189	4,746	..
Number of undertakings	No. 355	No. 355	No. 349	No. 345	No. 335	No. 372

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

	£'000	£'000	£'000	£'000	£'000	£'000
Value of water supplied (c)	44,463	43,970	43,327	42,969	39,347	25,288
Amount charged for work done (c)	1,479					
Value of work of new construction (c)	5,066					
Gross output (production)	51,008	49,128	47,722	47,168	44,399	28,222
Materials and fuel used by undertakings in this trade						
Purchases	13,299	11,596	10,707	10,560	9,527	3,646
Changes in stocks (d)	- 1,110	- 715	- 391	- 391	- 448	
Materials and fuel used	12,189	10,881	10,316	10,169	9,079	3,646

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

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

(c) For details for 1951 and 1948 see Table 8.

(d) For details for 1951 see Table 21.

## Summary

## Small undertakings (a)

## (A) Companies

TABLE 2

	Great Britain			
	1951	1950	1949	1948
Number of returns	72	75(b)	79	69
Average number of persons employed				
Males	281	300	313	284
Females	13	19	12	17
Total	294	319(b)	325	301

## (B) Local Authorities

TABLE 2 (contd.)

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	617	606(b)	684	639	578
Average number of persons employed					
Males	2,524	2,613	2,652	2,499	2,892
Females	58	67	67	55	45
Total	2,582	2,680(b)	2,719	2,554	2,937

## (C) Companies and Local Authorities

TABLE 2 (contd.)

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	689	681	763	718	647
Average number of persons employed					
Males	2,805	2,913	2,965	2,812	3,176
Females	71	86	79	67	62
Total	2,876	2,999	3,044	2,879	3,238

(a) Small undertakings (employing on the average ten or fewer persons) that made satisfactory returns. No information about small undertakings was collected in Northern Ireland for 1951 or 1950.

(b) Corrected figure.

Estimated average employment  
Larger and smaller undertakings

TABLE 3 (A) Companies

	Great Britain				Number
	1951	1950	1949	1948	
As returned by undertakings					
Employing on the average more than ten persons (a)	8,242	8,024	7,885		7,625
Employing on the average ten or fewer persons (b)	294	319	325		301
Estimated average employment in undertakings not making satisfactory returns	8,536	8,343	8,210		7,926
Estimated average employment in all undertakings	-	8	8		20
Estimated average employment in all undertakings	8,536	8,351	8,218		7,946

## (B) Local Authorities

TABLE 3 (contd.)

	United Kingdom			Great Britain		Number
	1951	1950	1949	1949	1948	
As returned by undertakings						
Employing on the average more than ten persons (a)	28,216	28,246	27,674	27,027	26,247	
Employing on the average ten or fewer persons (b)	2,582(c)	2,680(c)	2,719	2,554	2,937	
Estimated average employment in undertakings not making satisfactory returns	30,798	30,926	30,393	29,581	29,184	
Estimated average employment in all undertakings	8	114	39	39	160	
Estimated average employment in all undertakings	30,806(c)	31,040(c)	30,432	29,620	29,344	

## (C) Companies and Local Authorities

TABLE 3 (contd.)

	United Kingdom			Great Britain		Number
	1951	1950	1949	1949	1948	
As returned by undertakings						
Employing on the average more than ten persons (a)	36,458	36,270	35,559	34,912	33,872	
Employing on the average ten or fewer persons (b)	2,876(c)	2,999(c)	3,044	2,879	3,238	
Estimated average employment in undertakings not making satisfactory returns	39,334	39,269	38,603	37,791	37,110	
Estimated average employment in all undertakings	8	122	47	47	180	
Estimated average employment in all undertakings	39,342(c)	39,391(c)	38,650	37,838	37,290	

(a) See Table 14.

(b) See Table 2.

(c) Excluding any small undertakings in Northern Ireland.

Analysis by size, 1951  
Larger undertakings in the United Kingdom

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	132	3,363	2,223	2,245	603	234	837	990
25 - 49	79	3,972	2,688	2,754	739	315	1,054	976
50 - 99	67	6,190	4,671	4,601	1,220	498	1,718	1,015
100 - 199	42	8,488	6,216	5,874	1,647	609	2,256	1,058
200 - 299	11	3,490	2,393	2,595	688	275	963	922
300 - 399	9	4,274	3,121	3,060	885	306	1,191	1,020
400 - 499	6	3,427	2,463	2,701	705	337	1,042	912
500 - 749	4	3,442	2,827	2,422	720	205	925	1,167
750 and over	5	14,362	11,815	10,206	3,000	1,295	4,295	1,158
Total	355	51,008	38,418	36,458	10,207	4,074	14,281	1,054

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951  
Larger undertakings in the United Kingdom

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	18	2,763	2,103	5.5	2,100	573	232	805	1,001
East and West Ridings	29	4,581	3,602	9.4	2,989	887	256	1,143	1,205
North Midland	28	2,782	1,619	4.2	1,711	493	186	680	946
Eastern	31	3,856	2,666	6.9	2,629	715	365	1,080	1,014
London and South Eastern	55	13,270	10,549	27.5	9,700	2,718	1,296	4,013	1,088
Southern	24	2,491	1,822	4.7	1,900	541	214	755	959
South Western	36	2,470	1,796	4.7	1,774	450	208	658	1,012
Midland	20	4,617	3,415	8.9	3,184	914	365	1,279	1,072
North Western	47	8,154	6,156	16.0	5,231	1,557	507	2,064	1,177
Total England	288	44,983	33,728	87.8	31,218	8,849	3,628	12,476	1,080
Wales	34	1,965	1,420	3.7	1,659	430	191	621	856
Scotland	29	3,501	2,815	7.3	2,892	777	181	958	973
Great Britain	351	50,450	37,964	98.8	35,769	10,055	4,000	14,055	1,061
Northern Ireland	4	559	454	1.2	689	152	74	226	659
United Kingdom	355	51,008	38,418	100.0	36,458	10,207	4,074	14,281	1,054

(a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951  
Larger undertakings in the United Kingdom

No specialisation within this trade was distinguished.

## TABLE 7 - Total make of intermediate products: Larger undertakings

This table is not applicable to the trade.

## Water supplied and work done by employees of Water Undertakings

## Larger undertakings

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value(a)	Entries	Quantity	Value(a)
	Mill.galls.	£'000	No.	Mill.galls.	£'000
Water supplied					
Sold to other water undertakings					
By Companies	5,079	251	43	5,061	232
By Local Authorities	63,097	2,474	167	56,298	2,234
Total	68,175	2,725	210	61,359	2,466
Supplied to other consumers					
By Companies					
By meter	46,450	3,637	74	40,073	3,022
Un-metered (b)	79,015	5,753	72	76,676	4,937
By Local Authorities					
By meter	205,974	12,068	278	178,470	10,080
Un-metered (b)	355,676	20,280	274	348,985	18,842
Total (b)	687,115	41,738	..	644,204	36,881
Total water supplied					
By Companies (b)	130,544	9,641	74	121,810	8,191
By Local Authorities (b)	624,747	34,822	281	583,753	31,156
Total (b)	755,290(c)	44,463	355	705,563(c)	39,347
	Amount charged			Amount charged	
	£'000			£'000	
Work done, for which a direct charge was made					
Laying and fixing pipes, fixing meters and fittings (exclusive of cost of meters and fittings)					
By Companies	300		72	209	
By Local Authorities	752		243	540	
Other work for which a direct charge was made					
By Companies	107		31	65	
By Local Authorities	320		160	168	
Unclassified					
By Companies	-		-	32	
By Local Authorities	-		-	72	
Total work done, for which a direct charge was made					
By Companies	407		..	307	
By Local Authorities	1,072		..	781	
Total	1,479		..	1,088	
	Value(d)			Value(d)	
	£'000			£'000	
New construction (including enlargement of existing buildings, etc.)					
Of reservoirs, wells, aqueducts and conduits					
By Companies	45		19	31	
By Local Authorities	937		62	460	
Of buildings					
By Companies	42		28	42	
By Local Authorities	195		63	99	

TABLE 8 (contd.)

	United Kingdom 1951		Great Britain 1948
	Value (d)	Entries	Value (d)
	£'000	No.	£'000
New construction (including enlargement of existing buildings, etc.) (contd.)			
Of trunk, distributing and service mains			
By Companies	705	69	630
By Local Authorities	2,964	251	2,585
Of machinery and plant			
By Companies	34	28	49
By Local Authorities	145	85	68
Total work of new construction			
By Companies	825	..	751
By Local Authorities	4,241	..	3,213
Total	5,066	..	3,964
Total water supplied, work done for which a direct charge was made, and work of new construction			
By Companies	10,873	74	9,248
By Local Authorities	40,135	281	35,151
Total	51,008	355	44,399
Repair and maintenance			
Of buildings, reservoirs, wells, aqueducts and conduits			
By Companies	384	66	285
By Local Authorities	1,619	247	1,169
Of machinery and plant, including trunk, distributing and service mains			
By Companies	836	73	615
By Local Authorities	3,589	276	2,736
Work done for consumers for which no direct charge was made			
By Companies	68	34	50
By Local Authorities	270	104	183
Other work done			
By Companies	8	..	4
By Local Authorities	58	17	29
Total repair and maintenance, etc. work done			
By Companies	1,295	..	954
By Local Authorities	5,536	..	4,117
Total	6,831	..	5,071
Total water supplied and all work done by employees of water undertakings			
By Companies	12,169	74	10,202
By Local Authorities	45,671	281	39,267
Total	57,840	355	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) Including water supplied free.

(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 distributed by them. The quantity so included in 1948 was 54,404 million gallons. Particulars of the quantity so included in 1951 are not available.

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

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

This table is not applicable to the trade.

TABLE 10 - Sales in the trade of other than principal products  
Larger undertakings

No sales other than of principal products were recorded.

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

This table is not applicable to the trade.

Usage of certain specified purchased materials, 1951  
Larger undertakings in the United Kingdom

TABLE 12

Materials used	Quantity		
	Companies	Local Authorities	Total
	Th. cu. ft.	Th. cu. ft.	Th. cu. ft.
Timber, other than reclaimed (a)			
Hardwood	3.1	12.3	15.4
Softwood	9.7	41.3	51.1
Pipes (including valves)	Th. tons	Th. tons	Th. tons
Cast iron	22.4	71.1	93.5
Steel	4.3	13.6	18.0
Galvanised iron	0.4	0.5	1.0
Lead	0.3	1.3	1.7
Copper	0.1	0.2	0.3
Steel for reinforcement	0.3	0.2	0.6
Other iron and steel (except finished parts)	0.1	0.5	0.6

(a) Including timber used for packing or packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases.

Employment in September  
Larger undertakings (a)

(A) Companies

TABLE 13

(i) Operatives

	Great Britain					Number
	1951(b)	1950(b)	1949(b)	1948(c)	1935(c)	
Males						
Under 18	71	68	85	72	61	
All ages	6,049	5,920	5,856	5,555	5,556	
Females						
Under 18	-	1	2	-	-	
All ages	100	114	101	78	49	
Total						
Under 18	71	69	87	72	61	
All ages	6,149	6,034	5,957	5,633	5,605	

(ii) Administrative, technical and clerical employees (d)

	Great Britain					Number
	1951	1950	1949	1948	1935	
Males						
Under 18	51	50	44	46	53	
All ages	1,611	1,611	1,536	1,507	1,267	
Females						
Under 18	79	73	77	78	14	
All ages	521	503	484	485	168	
Total						
Under 18	130	123	121	124	67	
All ages	2,132	2,114	2,020	1,992	1,435	

(iii) Total employees

	Great Britain					Number
	1951	1950	1949	1948	1935	
Males						
Under 18	122	118	129	118	114	
All ages	7,660	7,531	7,392	7,062	6,823	
Females						
Under 18	79	74	79	78	14	
All ages	621	617	585	563	217	
Total						
Under 18	201	192	208	196	128	
All ages	8,281	8,148	7,977	7,625	7,040	

(For footnotes to the table see page 12/H/13)

## (B) Local Authorities

TABLE 13 (contd.)

	(i) Operatives					Number
	United Kingdom			Great Britain		United Kingdom
	1951(b)	1950(b)	1949(b)	1949(b)	1948(c)	1935(c)
Males						
Under 18	174	229	134	129	145	169
All ages	21,989	22,665	22,246	21,715	20,959	20,899
Females						
Under 18	1	2	1	1	3	-
All ages	190	195	187	180	157	140
Total						
Under 18	175	231	135	130	148	169
All ages	22,179	22,860	22,433	21,895	21,116	21,039
	(ii) Administrative, technical and clerical employees (d)					Number
	United Kingdom			Great Britain		United Kingdom
	1951	1950	1949	1949	1948	1935
Males						
Under 18	126	137	152	150	121	101
All ages	5,113	4,874	4,764	4,634	4,405	3,535
Females						
Under 18	79	85	94	90	78	18
All ages	841	831	768	757	726	360
Total						
Under 18	205	222	246	240	199	119
All ages	5,954	5,705	5,532	5,391	5,131	3,895
	(iii) Total employees					Number
	United Kingdom			Great Britain		United Kingdom
	1951	1950	1949	1949	1948	1935
Males						
Under 18	300	366	286	279	266	270
All ages	27,102	27,539	27,010	26,349	25,364	24,434
Females						
Under 18	80	87	95	91	81	18
All ages	1,031	1,026	955	937	883	500
Total						
Under 18	380	453	381	370	347	288
All ages	28,133	28,565	27,965	27,286	26,247	24,934

## (C) Companies and Local Authorities

TABLE 13 (contd.)

	(i) Operatives					Number
	United Kingdom			Great Britain		United Kingdom
	1951(b)	1950(b)	1949(b)	1949(b)	1948(c)	1935(c)
Males						
Under 18	245	297	219	214	217	230
All ages	28,038	28,585	28,102	27,571	26,514	26,455
Females						
Under 18	1	3	3	3	3	-
All ages	290	309	288	281	235	189
Total						
Under 18	246	300	222	217	220	230
All ages	28,328	28,894	28,390	27,852	26,749	26,644
	(ii) Administrative, technical and clerical employees (d)					Number
	United Kingdom			Great Britain		United Kingdom
	1951	1950	1949	1949	1948	1935
Males						
Under 18	177	187	196	194	167	154
All ages	6,724	6,485	6,300	6,170	5,912	4,802
Females						
Under 18	158	158	171	167	156	32
All ages	1,362	1,334	1,252	1,241	1,211	528
Total						
Under 18	335	345	367	361	323	186
All ages	8,086	7,819	7,552	7,411	7,123	5,330
	(iii) Total employees					Number
	United Kingdom			Great Britain		United Kingdom
	1951	1950	1949	1949	1948	1935
Males						
Under 18	422	484	415	408	384	384
All ages	34,762	35,070	34,402	33,741	32,426	31,257
Females						
Under 18	159	161	174	170	159	32
All ages	1,652	1,643	1,540	1,522	1,446	717
Total						
Under 18	581	645	589	578	543	416
All ages	36,414	36,713	35,942	35,263	33,872	31,974

(a) Excluded employees. The following persons were employed at the larger undertakings in this trade in 1951 but are not included in the above tables or in any other Census of Production report.

	Canteen workers		Other workers	
	Males	Females	Males	Females
Companies	-	15	20	2
Local Authorities	1	14	108	9
Total	1	29	128	11

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Average for the year.

(d) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, and October 12, 1935.



Average employment  
Larger undertakings (a)

	United Kingdom					Number
	United Kingdom		Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1935
Operatives						
Companies	6,117	5,926	5,863	5,863	5,633	5,605
Local Authorities	22,307	22,550	22,187	21,677	21,116	21,039
Total	28,424	28,476	28,050	27,540	26,749	26,644
Administrative, technical and clerical employees						
Companies	2,125	2,098	2,022	2,022	1,992(b)	1,435(b)
Local Authorities	5,909	5,696	5,487	5,350	5,131(b)	3,895(b)
Total	8,034	7,794	7,509	7,372	7,123(b)	5,330(b)
Total average employment						
Companies	8,242	8,024	7,885	7,885	7,625	7,040
Local Authorities	28,216	28,246	27,674	27,027	26,247	24,934
Total	36,458	36,270	35,559	34,912	33,872	31,974

(a) For employment in small undertakings (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

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

Shift working, 1951 (a)

Larger undertakings in Great Britain

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift			
Companies	5,480	43,868	44
Local Authorities	12,139	97,025	106
Total	17,619	140,893	150
Continuous 4 shift systems per 24 hours averaging 6 hours per shift			
Companies	-	-	-
Local Authorities	-	-	-
Total	-	-	-
All 2 shift systems			
Companies	474	3,956	13
Local Authorities	774	6,232	30
Total	1,248	10,188	43
Other shift systems			
Companies	-	-	-
Local Authorities	475	4,041	6
Total	475	4,041	6
Total shift working			
Companies	5,954	47,824	(b)
Local Authorities	13,388	107,298	(b)
Total	19,342	155,122	(b)

(a) Shift working during week ended September 22, 1951.

(b) The number and percentage of returns showing shift working and of operatives on shift work were as follows (see next page):-

TABLE 15 (contd.)

	Returns		Operatives		
	Total in trade	Showing shift work	Total in trade	Total on returns showing shift work	Number employed on shift work
Number					
Companies	74	57	6,149	5,862	964
Local Authorities	277	142	21,696	16,331	2,255
Total	351	199	27,845	22,193	3,219
Percentage of total in trade					
Companies	100.0	77.0	100.0	95.3	15.7
Local Authorities	100.0	51.3	100.0	75.3	10.4
Companies and Local Authorities	100.0	56.7	100.0	79.7	11.6
Percentage of total on returns showing shift work					
Companies				100.0	16.4
Local Authorities				100.0	13.8
Companies and Local Authorities				100.0	14.5

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

Larger undertakings

TABLE 16

£'000

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Wages and salaries (a) of					
Operatives					
Companies	2,196	1,925	1,865	1,865	1,732
Local Authorities	8,011	7,426	7,120	6,982	6,571
Total	10,207	9,351	8,985	8,847	8,303
Administrative, technical and clerical employees					
Companies	1,048	938	888	888	825
Local Authorities	3,026	2,688	2,526	2,463	2,304
Total	4,074	3,626	3,413	3,351	3,129
Total wages and salaries					
Companies	3,244	2,863	2,753	2,753	2,557
Local Authorities	11,037	10,114	9,646	9,445	8,875
Total	14,281	12,976	12,398	12,197	11,432
Employers' contributions to all National Insurance Schemes					
Companies	85	84	82	82	65
Local Authorities	300	294	286	280	236
Total	385	378	368	361	301

(a) Including bonus and commission payments.

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

## Larger undertakings

## (A) Companies

	Great Britain		
	1951	1949	1948
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery	2,199	1,737	1,297
New	8	49	10
Second-hand			
Vehicles	63	54	34
New	8	11	9
Second-hand			
Total acquisitions	2,278	1,852	1,349
Disposals			
Plant and machinery	48	63	21
Vehicles	10	5	4
Total disposals	57	69	25
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	1,185	1,406	407

## (B) Local Authorities

	United Kingdom		Great Britain	
	1951	1949	1949	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery	7,280	5,435	5,435	4,765
New	29	97	97	81
Second-hand				
Vehicles	153	105	105	84
New	5	15	15	25
Second-hand				
Total acquisitions	7,467	5,652	5,652	4,955
Disposals				
Plant and machinery	41	30	30	32
Vehicles	19	5	5	8
Total disposals	60	35	35	41
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	8,107	6,785	6,427	3,225

## (C) Companies and Local Authorities

TABLE 17 (contd.)

£'000

	United Kingdom		Great Britain	
	1951	1949	1949	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery	9,479	7,171	7,171	6,062
New	37	146	146	90
Second-hand				
Vehicles	216	159	159	118
New	13	27	27	34
Second-hand				
Total acquisitions	9,746	7,504	7,504	6,304
Disposals				
Plant and machinery	88	93	93	53
Vehicles	29	10	10	13
Total disposals	117	104	104	66
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	9,292	8,191	7,833	3,632

## COUNTRY TABLES

1951

## Summary: Larger undertakings

## (A) Companies (a)

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 10,700	£'000 173	£'000 -	£'000 10,873
Cost of materials and fuel used	3,043	68	-	3,111
Transport payments	31	1	-	32
Net output	7,626	105	-	7,730
Wages and salaries of persons employed	3,187	57	-	3,244
Average number of persons employed	No. 8,085	No. 157	No. -	No. 8,242
Net output per person employed	£ 943	£ 668	£ -	£ 938
Stocks at end of year	£'000	£'000	£'000	£'000
Materials and fuel	1,533	18	-	1,551
Number of undertakings	No. 70	No. 4	No. -	No. 74

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

	£'000	£'000	£'000	£'000
Output of undertakings in this trade				
Value of water supplied (see Table 20)	9,499	142	-	9,641
Amount charged for work done (see Table 20)	401	6	-	407
Value of work of new construction (see Table 20)	800	25	-	825
Gross output (production)	10,700	173	-	10,873
Materials and fuel used by undertakings in this trade				
Purchases	3,359	71	-	3,430
Changes in stocks (see Table 21)	- 317	- 3	-	- 319
Materials and fuel used	3,043	68	-	3,111

(For footnote to the table see page 12/H/18)

## (B) Local Authorities

TABLE 18 (contd.)

	England	Wales	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Gross output (production)	£'000 34,283	£'000 1,792	£'000 3,501	£'000 39,576	£'000 559	£'000 40,135
Cost of materials and fuel used	7,875	454	647	8,976	102	9,079
Transport payments	306	22	39	367	2	369
Net output	26,102	1,316	2,815	30,233	454	30,687
Wages and salaries of persons employed	9,290	563	958	10,811	226	11,037
Average number of persons employed	No. 23,133	No. 1,502	No. 2,892	No. 27,527	No. 689	No. 28,216
Net output per person employed	£ 1.128	£ 876	£ 973	£ 1,098	£ 659	£ 1,088
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Materials and fuel	4,771	282	458	5,512	..	..
Number of undertakings	No. 218	No. 30	No. 29	No. 277	No. 4	No. 281

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of undertakings in this trade						
Value of water supplied (see Table 20)	30,119	1,520	2,793	34,432	390	34,822
Amount charged for work done (see Table 20)	866	79	105	1,050	22	1,072
Value of work of new construction (see Table 20)	3,299	192	603	4,094	147	4,241
Gross output (production)	34,283	1,792	3,501	39,576	559	40,135
Materials and fuel used by undertakings in this trade						
Purchases	8,611	477	678	9,767	102	9,869
Changes in stocks (see Table 21)	- 736	- 23	- 32	- 791	..	- 791
Materials and fuel used	7,875	454	647	8,976	102	9,079

(a) Separate information relating to companies and to local authorities in Northern Ireland is not available and particulars of all water undertakings in Northern Ireland have been included in the figures for Local Authorities.

## (C) Companies and Local Authorities

TABLE 18 (contd.)

	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Gross output (production)	£'000 44,983	£'000 1,965	£'000 3,501	£'000 50,450	£'000 559	£'000 51,008
Cost of materials and fuel used	10,918	522	647	12,087	102	12,189
Transport payments	337	23	39	399	2	401
Net output	33,728	1,420	2,815	37,964	454	38,418
Wages and salaries of persons employed	12,476	621	958	14,055	226	14,281
Average number of persons employed	No. 31,218	No. 1,659	No. 2,892	No. 35,769	No. 689	No. 36,458
Net output per person employed	£ 1,080	£ 856	£ 973	£ 1,061	£ 659	£ 1,054
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Materials and fuel	6,304	301	458	7,063	..	..
Number of undertakings	No. 288	No. 34	No. 29	No. 351	No. 4	No. 355

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of undertakings in this trade						
Value of water supplied (see Table 20)	39,618	1,663	2,793	44,073	390	44,463
Amount charged for work done (see Table 20)	1,267	85	105	1,457	22	1,479
Value of work of new construction (see Table 20)	4,099	217	603	4,919	147	5,066
Gross output (production)	44,983	1,965	3,501	50,450	559	51,008
Materials and fuel used by undertakings in this trade						
Purchases	11,971	548	678	13,197	102	13,299
Changes in stocks (see Table 21)	- 1,053	- 26	- 32	- 1,110	..	- 1,110
Materials and fuel used	10,918	522	647	12,087	102	12,189

## Summary

## Small undertakings in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns				
Companies	63	9	-	72
Local Authorities	408	65	144	617
Total	471	74	144	689
Average number of persons employed				
Males				
Companies	238	43	-	281
Local Authorities	1,810	251	463	2,524
Total	2,048	294	463	2,805
Females				
Companies	9	4	-	13
Local Authorities	28	2	28	58
Total	37	6	28	71
Total average number of persons employed				
Companies	247	47	-	294
Local Authorities	1,838	253	491	2,582
Total	2,085	300	491	2,876

(a) Small undertakings in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.

Water supplied and work done by employees of Water Undertakings  
Larger undertakings

TABLE 20

12/H/20

GAS, ELECTRICITY AND WATER COUNTRY TABLES

	England and Wales		Scotland		Great Britain		Northern Ireland(a)		United Kingdom (a)	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	Mill. galls.	£'000	Mill. galls.	£'000	Mill. galls.	£'000	Mill. galls.	£'000	Mill. galls.	£'000
<b>Water supplied</b>										
Sold to other water undertakings										
By Companies	5,079	251	-	-	5,079	251	..	..	5,079	251
By Local Authorities	..	(b)	3,434	99	..	..	..	(b)	63,097	2,474
Total	..	(b)	3,434	99	..	..	..	(b)	68,175	2,725
Supplied to other consumers										
By Companies										
By meter	46,450	3,637	-	-	46,450	3,637	..	..	46,450	3,637
Un-metered (c)	79,015	5,753	-	-	79,015	5,753	..	..	79,015	5,753
By Local Authorities										
By meter	..	(b)	35,523	1,061	..	..	..	(b)	205,974	12,068
Un-metered (c)	..	(b)	57,431	1,632	..	..	..	(b)	355,676	20,280
Total (c)	..	(b)	92,954	2,693	..	..	..	(b)	687,115	41,738
<b>Total water supplied</b>										
By Companies (c)	130,544	9,641	-	-	130,544	9,641	..	..	130,544	9,641
By Local Authorities (c)	518,282	31,639	96,387	2,793	614,669	34,432	10,077	390	624,747	34,822
Total (c)	648,826	41,281	96,387	2,793	745,213	44,073	10,077	390	755,290	44,463
<b>Amount charged</b>										
	£'000		£'000		£'000		£'000		£'000	
<b>Work done, for which a direct charge was made</b>										
Laying and fixing pipes, fixing meters and fittings (exclusive of cost of meters and fittings)										
By Companies	300		-		300		..		300	
By Local Authorities	(b)		81		..		(b)		752	
Other work for which a direct charge was made										
By Companies	107		-		107		..		107	
By Local Authorities	(b)		24		..		(b)		320	

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<b>Total work done, for which a direct charge was made</b>					
By Companies	407	-	407	..	407
By Local Authorities	945	105	1,050	22	1,072
Total	1,352	105	1,457	22	1,479
<b>Value</b>					
	£'000	£'000	£'000	£'000	£'000
<b>New construction (including enlargement of existing buildings, etc.)</b>					
Of reservoirs, wells, aqueducts and conduits					
By Companies	45	-	45	..	45
By Local Authorities	(b)	41	..	(b)	937
Of buildings					
By Companies	42	-	42	..	42
By Local Authorities	(b)	9	..	(b)	195
Of trunk, distributing and service mains					
By Companies	705	-	705	..	705
By Local Authorities	(b)	548	..	(b)	2,964
Of machinery and plant					
By Companies	34	-	34	-	34
By Local Authorities	141	5	145	-	145
<b>Total value of work of new construction</b>					
By Companies	825	-	825	..	825
By Local Authorities	3,491	603	4,094	147	4,241
Total	4,316	603	4,919	147	5,066
<b>Total value of water supplied, work done for which a direct charge was made, and work of new construction</b>					
By Companies	10,873	-	10,873	..	10,873
By Local Authorities	36,075	3,501	39,576	559	40,135
Total	46,949	3,501	50,450	559	51,008

WATER UNDERTAKINGS COUNTRY TABLES

12/H/21

TABLE 20 (contd.)

	England and Wales	Scotland	Great Britain	Northern Ireland (a)	United Kingdom (a)
	Value	Value	Value	Value	Value
	£' 000	£' 000	£' 000	£' 000	£' 000
Repair and maintenance					
Of buildings, reservoirs, wells, aqueducts and conduits					
By Companies	384	-	384	..	384
By Local Authorities	(b)	183	..	(b)	1,619
Of machinery and plant, including trunk, distributing and service mains					
By Companies	836	-	836	..	836
By Local Authorities	(b)	512	..	(b)	3,589
Work done for consumers, for which no direct charge was made					
By Companies	68	-	68	-	68
By Local Authorities	246	25	270	-	270
Other work					
By Companies	8	-	8	..	8
By Local Authorities	(b)	6	..	(b)	58
Total value of repair and maintenance, etc. work done					
By Companies	1,295	-	1,295	..	1,295
By Local Authorities	4,662	726	5,388	149	5,536
Total	5,957	726	6,683	149	6,831
Total value of water supplied and of all work done by employees of water undertakings					
By Companies	12,169	-	12,169	..	12,169
By Local Authorities	40,737	4,227	44,964	707	45,671
Total	52,906	4,227	57,133	707	57,840

(a) Separate information relating to companies and to local authorities in Northern Ireland is not available and particulars of all water undertakings in Northern Ireland have been included in the figures for Local Authorities.

(b) Owing to the risk of disclosure of information relating to individual undertakings, separate particulars cannot be given.

(c) Including water supplied free.

## WATER UNDERTAKINGS COUNTRY TABLES

12/H/23

## Stocks of materials and fuel

## Larger undertakings (a)

TABLE 21

£'000

		England and Wales	Scotland	Great Britain
Materials and fuel				
Companies	{ at beginning of year	1,232	-	1,232
	{ at end of year	1,551	-	1,551
Local Authorities	{ at beginning of year	4,295	427	4,722
	{ at end of year	5,054	458	5,512
Companies and Local Authorities	{ at beginning of year	5,527	427	5,953
	{ at end of year	6,605	458	7,063

(a) Information on stocks of materials and fuel was not required from undertakings in Northern Ireland.

## Employment in September

## Larger undertakings (a)(b)

## TABLE 22 - (A) Companies

See Table 13. There were no larger Water Undertakings operated by companies in Scotland in the register for this trade and particulars for companies in Northern Ireland are included in the figures for Local Authorities.

## (B) Local Authorities

TABLE 22 (contd.)

## (i) Operatives

					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	152	12	164	10	174
All ages	19,081	2,432	21,513	476	21,989
Females					
Under 18	1	-	1	-	1
All ages	166	17	183	7	190
Total					
Under 18	153	12	165	10	175
All ages	19,247	2,449	21,696	483	22,179

## (ii) Administrative, technical and clerical employees

					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	120	4	124	2	126
All ages	4,652	332	4,984	129	5,113
Females					
Under 18	69	10	79	-	79
All ages	743	85	828	13	841
Total					
Under 18	189	14	203	2	205
All ages	5,395	417	5,812	142	5,954

## (iii) Total employees

					Number
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	272	16	288	12	300
All ages	23,733	2,764	26,497	635	27,102
Females					
Under 18	70	10	80	-	80
All ages	909	102	1,011	20	1,031
Total					
Under 18	342	26	368	12	380
All ages	24,642	2,866	27,508	625	28,133

(For footnotes to the table see page 12/H/24)

## (C) Companies and Local Authorities

TABLE 22 (contd.)  
(i) Operatives

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	223	12	235	10	245
All ages	25,130	2,432	27,562	476	28,038
Females					
Under 18	1	-	1	-	1
All ages	266	17	283	7	290
Total					
Under 18	224	12	236	10	246
All ages	25,396	2,449	27,845	483	28,328

## (ii) Administrative, technical and clerical employees

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	171	4	175	2	177
All ages	6,263	332	6,595	129	6,724
Females					
Under 18	148	10	158	-	158
All ages	1,264	85	1,349	13	1,362
Total					
Under 18	319	14	333	2	335
All ages	7,527	417	7,944	142	8,086

## (iii) Total employees

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	394	16	410	12	422
All ages	31,393	2,764	34,157	605	34,762
Females					
Under 18	149	10	159	-	159
All ages	1,530	102	1,632	20	1,652
Total					
Under 18	543	26	569	12	581
All ages	32,923	2,866	35,789	625	36,414

(a) Excluded employees. See Table 13 (footnote (a)). There were no excluded employees recorded in this trade in Scotland or in Northern Ireland.

(b) Number employed in the week ended September 22, 1951.

## Average employment

## Larger undertakings (a)

	Number				
	England and Wales	Scotland	Great Britain	Northern Ireland(b)	United Kingdom(b)
Operatives					
Companies	6,117	-	6,117	..	6,117
Local Authorities	19,288	2,475	21,763	544	22,307
Total	25,405	2,475	27,880	544	28,424
Administrative, technical and clerical employees					
Companies	2,125	-	2,125	..	2,125
Local Authorities	5,347	417	5,764	145	5,909
Total	7,472	417	7,889	145	8,034
Total average employment					
Companies	8,242	-	8,242	..	8,242
Local Authorities	24,635	2,892	27,527	689	28,216
Total	32,877	2,892	35,769	689	36,458

(a) For employment in small undertakings (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

(b) Particulars for companies in Northern Ireland are included in the figures for Local Authorities.

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

## Larger undertakings

TABLE 24

	£'000				
	England and Wales	Scotland	Great Britain	Northern Ireland(a)	United Kingdom(a)
Wages and salaries (b) of Operatives					
Companies	2,196	-	2,196	..	2,196
Local Authorities	7,082	777	7,859	152	8,011
Total	9,278	777	10,055	152	10,207
Administrative, technical and clerical employees					
Companies	1,048	-	1,048	..	1,048
Local Authorities	2,771	181	2,951	74	3,026
Total	3,819	181	4,000	74	4,074
Total wages and salaries					
Companies	3,244	-	3,244	..	3,244
Local Authorities	9,853	958	10,811	226	11,037
Total	13,097	958	14,055	226	14,281
Employers' contributions to all National Insurance Schemes					
Companies	85	-	85	..	85
Local Authorities	263	30	293	7	300
Total	347	30	378	7	385

(a) Particulars for companies in Northern Ireland are included in the figures for Local Authorities.

(b) Including bonus and commission payments.

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

## TABLE 25 - (A) Companies

See Table 17. There were no larger Water Undertakings operated by companies in Scotland in the register for this trade and particulars for companies in Northern Ireland are included in the figures for Local Authorities.

## (B) Local Authorities

TABLE 25 (contd.)

	£'000				
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	6,357	919	7,275	5	7,280
Second-hand	9	20	29	-	29
Vehicles					
New	131	20	151	2	153
Second-hand	5	-	5	-	5
Total acquisitions	6,502	959	7,461	7	7,467
Disposals					
Plant and machinery	38	3	41	-	41
Vehicles	15	3	19	1	19
Total disposals	54	6	59	1	60
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	7,138	754	7,891	216	8,107

(C) Companies and Local Authorities

£'000

TABLE 25 (contd.)

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery	8,556	919	9,474	5	9,479
New	17	20	37	-	37
Second-hand					
Vehicles	194	20	214	2	216
New	13	-	13	-	13
Second-hand					
Total acquisitions	8,780	959	9,739	7	9,746
Disposals					
Plant and machinery	86	3	88	-	88
Vehicles	25	3	28	1	29
Total disposals	111	6	117	1	117
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	8,323	754	9,077	216	9,292

Payments for transport services (a)

## Larger undertakings

£'000

TABLE 26

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings					
By Companies	21	-	21	..	..
By Local Authorities	229	21	250	..	..
Total	249	21	270	..	..
Amount paid or credited to undertakings' own separate transport organisations					
By Companies	12	-	12	..	..
By Local Authorities	99	18	117	..	..
Total	111	18	129	..	..
Total payments for transport services					
By Companies	32	-	32	(b)	32(b)
By Local Authorities	328	39	367	2(b)	369(b)
Total	360	39	399	2	401

(a) Inwards transport on materials and fuel purchased and transport services in connection with the output.  
 (b) Particulars for companies in Northern Ireland are included in the figures for Local Authorities.

## GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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