



BOARD OF TRADE

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[HA 251]

Report on the Census of Production 1963

129 Water supply

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Water supply

BOARD OF TRADE

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Statistics of Trade Act 1947 (10 & 11 Geo. 6 Cha. 39 Sec. 7)*

Notes

These notes give the main information needed for interpreting the figures in the industry reports. (More detailed information about the Census is given in a separate booklet - 'Introductory Notes': Part 1 of the Report on the Census of Production for 1963.)

GENERAL INFORMATION

Changes in the 1963 census

There were few changes resulting from amendments to the Standard Industrial Classification and only minor changes in the scope of certain industry reports compared with 1958. Any such changes are explained in the introductions to the industry reports concerned or by footnotes to the tables.

Industrial Classification

Establishments were classified to industries on the basis of major activity in conformity with the second edition of the Standard Industrial Classification (Consolidated Edition 1963, incorporating Amendment 1). Each industry was basically defined in terms of its principal products, these being of a similar nature or commonly associated in production. Normally, an establishment was classified to an industry if its sales of the principal products of that industry accounted for a greater proportion of its total sales than did its sales of the principal products of any other industry. However, where the application of this rule would have resulted in a change of classification between 1958 and 1963, the establishment was reclassified only if the sales of principal products of the newly predominant industry was more than one third greater than the sales of principal products of the previously predominant industry. This modification of the general rule was introduced for 1958 to avoid discontinuities which would result from marginal changes in sales between successive censuses.

The principle of classification by major output was also normally followed in compiling the analysis by sub-divisions of an industry.

In certain industries, classification was dealt with in a different way. Details of any non-standard treatment are given in the introductions to the relevant industry reports.

TERMS USED IN THE CENSUS REPORT

Average number employed

Firms were required to state the number of persons on the payroll (i.e. whose National Insurance cards were held by them) on the average during the year of return, whether full-time or part-time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each calendar month; figures shown in respect of the average number employed relate to the sum of these averages. Firms were also required to state the number of working proprietors (see below) where appropriate and these are included in total employment figures. Outworkers are excluded.

The figures include persons engaged in merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working Proprietors

These include all persons regarded as 'self-employed' for National Insurance purposes, and members of their families who worked in the business without receiving a fixed wage or salary; but persons who worked less than half the normal number of working hours are excluded. For Great Britain, directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading for 1963, but are excluded for 1958. For Northern Ireland, directors of limited companies, other than those paid by fee only, are included for both years. (Directors paid by fee only are not included in any of the employment figures for either year.)

Employees

(i) Administrative, technical and clerical employees include managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff; staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees. For Great Britain, but not for Northern Ireland, they include also managing and other directors in receipt of a definite wage, salary or commission.

(ii) Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work, stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; and cleaners. Operatives engaged in outside work of erection, fitting, etc. are also included, but outworkers (i.e. persons employed by the firm who worked in their own homes, etc. on materials supplied by the firm) are excluded. Information about the numbers of outworkers employed was collected only for the gloves industry.

Capital Expenditure

(i) New building work.

This represents the cost incurred during the year of new building and other new constructional work (including office buildings, canteens and the like used in connection with the business covered by the return but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension or reconstruction of old buildings, the value of work of a capital nature carried out by firms' own staff, and the cost of any newly constructed buildings purchased. The figures shown include any legal charges, stamp duties, agents' commissions, etc.

129 Water supply

This Report on the Water Supply Industry relates to the establishments of public authorities and companies engaged wholly or mainly in purifying and distributing water and supplying hydraulic power. It does not include private water works maintained by establishments primarily for their own use.

This industry corresponds to minimum list heading 603 in the Standard Industrial Classification (Consolidated edition, 1963).

In most of the tables in this report the industry has been sub-divided between the public sector 'Local Authorities and Water Boards' and the private sector 'Water Companies'. These sub-divisions differ from those used in the 1958 Census, but in the present report the sub-division figures for earlier years have all been revised and shown on a comparable basis with those for 1963.

METHOD OF CLASSIFICATION

The classification of returns to this industry followed the standard procedure. Classification to the two sub-divisions of the industry, shown in Table 2, was, as mentioned above, between the public and private sectors of the industry.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (ii), (iii) and (iv).



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TABLE 1 Industry summary: United Kingdom

Estimates for all undertakings, 1958 and 1963 (a)

	Unit	1958	1963	
Number of undertakings	No.	980	577	
Gross output (b)	£'000	86,935	123,875	
Net output	"	67,740	95,858	
Net output per head	£	1,605	2,093	
Sales and work done	{ water supplied and work done (b)	£'000	86,926	123,870(c)
	{ canteen takings	"	10	5
Purchases	{ materials and fuel used	"	18,807	27,819
	{ canteen purchases	"			12
Payments to other organisations for transport (d)	"	388	187	
Average number employed	{ total, including working proprietors	Th.	42.2	45.8
	{ operatives	"	32.4	34.5
	{ other employees (e)	"	9.8	11.2
Wages and salaries	{ of operatives	£'000	18,180	24,830
	{ of other employees (e)	"	7,485	11,006
Employers' contributions to National Insurance and private pension schemes, etc. (f)	"	..	3,727	
Capital expenditure (g)				
Total	"	..	46,935	
New building work	"	12,665	25,020	
Land and existing buildings (h)	"	..	778	
Plant and machinery (h)	"	15,327	20,277	
Vehicles (h)	"	288	860	

(a) For 1963, estimates for small undertakings and for undertakings not making satisfactory returns accounted for about 7 per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was 13 per cent.) A summary of the detailed returns received is given in Table 2.

(b) Comprises value of water supplied, work done for which a direct charge was made and work of new construction.

(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).

(d) Inwards transport on materials and fuel purchased and transport services in connection with output.

(e) Administrative, technical and clerical employees.

(f) Including pensions and gratuities paid other than from pension funds.

(g) Excluding expenditure for establishments not yet in production.

(h) Acquisitions less disposals.

TABLE 2 Analysis of larger undertakings by sub-divisions within the industry, 1958 and 1963
Undertakings employing 25 or more persons: United Kingdom (a)

	Unit	Sub-divisions of the industry				Total	
		Local Authorities and Water Boards		Water Companies		1958	1963
		1958	1963	1958	1963		
Number of undertakings	No.	173	168	46	36	219	204
Gross output (b)	£'000	59,222	91,105	16,493	24,495	75,715	115,600
Net output	"	46,785	71,218	12,212	18,237	58,997	89,455
Net output per head	£	1,641	2,142	1,482	1,923	1,605	2,093
Sales and work done	£'000	water supplied and work done (b)		16,485	24,491(c)	75,707	115,596(c)
		canteen takings		8	4	9	5
Purchases	"	materials and fuel used		4,252	6,214	16,380	25,961
		canteen purchases		-	11			11
Payments to other organisations for transport (d)	"	309	141	29	34	338	174
Average number employed	No.	28,508	33,250	8,241	9,485	36,749	42,735
	"	operatives		5,970	6,662	28,199	32,269
	"	other employees (e)		2,271	2,823	8,550	10,466
Wages and salaries	£'000	of operatives		3,366	5,004	15,834	23,192
		of other employees (e)		1,701	2,660	6,519	10,280
Wages and salaries per head	£	560	710	564	751	562	719
	"	operatives		749	942	762	982
	"	other employees (e)		767	997	762	982
Employers' contributions to National Insurance (f)	£'000	..	972	..	294	..	1,266
Employers' contributions to private pension schemes, etc. (g)	"	..	1,659	..	556	..	2,215
Capital expenditure (h)							
New building work	"	10,401	19,252	629	4,096	11,030	23,349
Land and existing buildings	"	acquisitions		..	291	..	1,618
		disposals		..	345	..	892
Plant and machinery	"	acquisitions		2,980	5,309	13,422	19,220
		disposals		8	19	73	298
Vehicles	"	acquisitions		157	373	335	966
		disposals		60	111	84	164

For notes to this table - see page 129/8

LOCAL AUTHORITIES AND WATER BOARDS

TABLE 3(A) Analysis of larger undertakings by size of enterprise within the industry, 1963

(i) Output, employment, capital expenditure and stocks
Undertakings employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry	Undertakings	Average number employed	Gross output (a)	Net output	Net output per head	Capital expenditure (b)
	Number	Number	£'000	£'000	£	£'000
25-49	37	1,376	3,963	2,893	2,103	1,657
50-99	52	3,837	11,155	8,042	2,096	4,647
100-199	38	5,169	15,463	11,526	2,230	7,175
200-299	16	3,826	10,027	7,776	2,032	3,348
300-399	6	2,015	6,143	4,505	2,236	2,956
400-499	11	4,808	12,275	9,233	1,920	4,310
500 and over	8	12,219	32,080	27,244	2,230	10,111
Total	168	33,250	91,105	71,218	2,142	34,204

(ii) Employees wages and salaries and employers' contributions
Undertakings employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry	Employees		Wages and salaries		Employers' contributions		Wages and salaries per head	
	Operatives	Others (c)	Operatives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Operatives	Others (c)
	Number	Number	£'000	£'000	£'000	£'000	£	£
25-49	999	377	672	326	39	40	673	865
50-99	2,839	998	1,935	940	113	150	681	942
100-199	4,003	1,166	2,793	1,100	150	191	698	943
200-299	2,967	859	1,975	805	110	137	666	937
300-399	1,574	441	1,130	444	52	75	718	1,007
400-499	3,870	938	2,488	857	138	198	643	913
500 and over	9,355	2,864	7,195	3,148	370	868	769	1,099
Total	25,607	7,643	18,188	7,620	972	1,659	710	997

(a) Comprises value of water supplied, work done for which a direct charge was made and work of new construction.

(b) Acquisitions less disposals.

(c) Administrative, technical and clerical employees.

(d) Including both flat rate and graduated contributions.

(e) Including pensions and gratuities paid other than from pension funds. These amounted in total to £370,000.

WATER COMPANIES

TABLE 3(B) Analysis of larger undertakings by size of enterprise within the industry, 1963

(i) Output, employment, capital expenditure and stocks

Undertakings employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry	Undertakings	Average number employed	Gross output (a)	Net output	Net output per head	Capital expenditure (b)
	Number	Number	£'000	£'000	£	£'000
25-49	3	114	279	220	1,934	27
50-99	5	439	1,098	788	1,795	265
100-199	14	2,099	5,463	4,165	1,984	1,766
200-299	3	688	1,447	1,075	1,562	453
300-399	3	1,093	3,219	2,482	2,270	1,496
400-499	3	1,397	4,076	3,074	2,200	2,039
500 and over	5	3,655	8,913	6,434	1,760	3,549
Total	36	9,485	24,495	18,237	1,923	9,594

(ii) Employees wages and salaries and employers' contributions

Undertakings employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry	Employees		Wages and salaries		Employers' contributions		Wages and salaries per head	
	Operatives	Others (c)	Operatives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Operatives	Others (c)
	Number	Number	£'000	£'000	£'000	£'000	£	£
25-49	83	31	62	27	4	7	752	880
50-99	296	143	231	125	13	33	780	874
100-199	1,505	594	1,142	565	65	124	759	951
200-299	467	221	364	199	22	54	779	899
300-399	784	309	593	331	35	90	757	1,070
400-499	939	458	721	433	43	67	768	945
500 and over	2,588	1,067	1,890	981	112	182	730	919
Total	6,662	2,823	5,004	2,660	294	556	751	942

(a) Comprises value of water supplied, work done for which a direct charge was made and work of new construction.

(b) Acquisitions less disposals.

(c) Administrative, technical and clerical employees.

(d) Including both flat rate and graduated contributions.

(e) Including pensions and gratuities paid other than from pension funds. These amounted in total to £104,000.

LOCAL AUTHORITIES, WATER BOARDS AND WATER COMPANIES

TABLE 3(C) Analysis of larger undertakings by size of enterprise within the industry, 1963

(i) Output, employment, capital expenditure and stocks

Undertakings employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry	Undertakings	Average number employed	Gross output (a)	Net output	Net output per head	Capital expenditure (b)
	Number	Number	£'000	£'000	£	£'000
25-49	40	1,490	4,241	3,113	2,089	1,684
50-99	57	4,276	12,253	8,830	2,065	4,912
100-199	52	7,268	20,926	15,691	2,159	8,941
200-299	19	4,514	11,474	8,851	1,961	3,801
300-399	9	3,108	9,361	6,986	2,248	4,452
400-499	14	6,205	16,351	12,306	1,983	6,350
500-749	6	3,701	9,339	7,672	2,073	3,846
750 and over	7	12,173	31,654	26,005	2,136	9,814
Total	204	42,735	115,600	89,455	2,093	43,800

(ii) Employees wages and salaries and employers' contributions

Undertakings employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry	Employees		Wages and salaries		Employers' contributions		Wages and salaries per head	
	Operatives	Others (c)	Operatives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Operatives	Others (c)
	Number	Number	£'000	£'000	£'000	£'000	£	£
25-49	1,082	408	735	353	42	47	679	866
50-99	3,135	1,141	2,166	1,065	126	183	691	933
100-199	5,508	1,760	3,935	1,665	215	315	714	946
200-299	3,434	1,080	2,339	1,003	132	191	681	929
300-399	2,358	750	1,724	775	87	165	731	1,033
400-499	4,809	1,396	3,209	1,290	181	265	667	924
500-749	2,820	881	1,958	871	116	204	694	988
750 and over	9,123	3,050	7,127	3,258	367	845	751	1,068
Total	32,269	10,466	23,192	10,280	1,266	2,215	719	982

(a) Comprises value of water supplied, work done for which a direct charge was made and work of new construction.

(b) Acquisitions less disposals.

(c) Administrative, technical and clerical employees.

(d) Including both flat rate and graduated contributions.

(e) Including pensions and gratuities paid other than from pension funds. These amounted in total to £475,000.

TABLE 4 Percentage analysis of employees, by age and sex, all undertakings, 1963: United Kingdom (a)

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	1	1	2
18 and over	92	6	98
All ages	93	7	100

Source: Ministry of Labour

(a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1963.

TABLE 5(A) Quantity of water supplied by larger undertakings within the industry, 1958 and 1963

Undertakings employing 25 or more persons: United Kingdom

	Local Authorities and Water Boards			Water Companies			Total		
	1958(a)		1963	1958(a)		1963	1958(a)		1963
	Quantity	Quantity	Under-takings	Quantity	Quantity	Under-takings	Quantity	Quantity	Under-takings
Water supplied	Mn.gal.	Mn.gal.	Number	Mn.gal.	Mn.gal.	Number	Mn.gal.	Mn.gal.	Number
To other water undertakings	66,948	72,881	124	6,964	4,383	23	73,912	77,264	147
To other consumers									
By meter	235,188	281,644	165	56,337	70,379	36	291,526	352,023	201
Un-metered	362,725	482,517	166	88,675	120,256	35	451,400	602,772	201
Total water supplied (b)	664,861	837,042	168	151,976	195,017	36	816,837	1,032,058	204

(a) Revised figures.

(b) These figures include duplication to the extent that water was sold to other undertakings employing an average of 25 or more persons and was distributed by them. The quantity of water so included in 1963 was 71,954 million gallons; particulars of the quantity so included in 1958 are not available.

Footnotes to Table 2.

(a) The following information relates to small undertakings (employing fewer than 25 persons) in this industry. It includes an estimate for small undertakings not making satisfactory returns, which account for 2 per cent. of the employment shown for 1963 and 4 per cent. for 1958.

	1958	1963
Number of returns	762	368
Average number employed:		
Working proprietors	} 5,229 {	59
Other persons employed		2,800

(b) Comprises value of water supplied, work done for which a direct charge was made and work of new construction. For details see Table 5(B).

(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).

(d) Inwards transport on materials and fuel purchased and transport services in connection with output.

(e) Administrative, technical and clerical employees.

(f) Including both flat rate and graduated contributions.

(g) Including pensions and gratuities paid other than from pension funds.

(h) Excluding expenditure for establishments not yet in production.

TABLE 5(B) Value of water supplied and work done by employees of larger undertakings within the industry, 1958 and 1963

Undertakings employing 25 or more persons: United Kingdom

	Local Authorities and Water Boards			Water Companies			Total		
	1958		1963	1958		1963	1958		1963
	Value	Value	Under-takings	Value	Value	Under-takings	Value	Value	Under-takings
Water supplied (a)	£'000	£'000	Number	£'000	£'000	Number	£'000	£'000	Number
To other water undertakings	3,555	3,898	124	383	408	23	3,938	4,306	147
To other consumers									
By meter	18,424	29,095	165	5,446	8,404	36	23,870	37,499	201
Un-metered	28,099	41,639	166	8,504	12,352	35	36,603	53,991	201
Total value of water supplied	50,078	74,633	..	14,333	21,163	..	64,411	95,796	..
Work done, for which a direct charge was made	Amount charged	Amount charged		Amount charged	Amount charged		Amount charged	Amount charged	
Laying and fixing pipes, fixing meters and fittings	£'000	£'000		£'000	£'000		£'000	£'000	
Other work for which a direct charge was made	333	693	105	167	385	23	500	1,077	128
Total work done for which a direct charge was made	1,916	3,793	..	897	1,436	..	2,813	5,229	..
Work done, for which a direct charge was not made (b)	Value	Value		Value	Value		Value	Value	
New construction (including enlargement of existing buildings, etc.)	£'000	£'000		£'000	£'000		£'000	£'000	
Of reservoirs, wells, aqueducts and conduits	1,640	2,230	85	37	126	23	1,677	2,357	108
Of buildings	425	853	79	44	138	26	469	992	105
Of trunk, distributing and service mains	4,865	9,057	158	1,013	1,479	33	5,878	10,536	191
Of machinery and plant	298	438	84	161	139	26	459	577	110
Total value of new construction	7,228	12,579	..	1,255	1,883	..	8,483	14,462	..
Repair and maintenance									
Of buildings, reservoirs, wells, aqueducts and conduits	2,410	2,599	146	556	657	36	2,966	3,256	182
Of trunk, distributing and service mains	3,466	5,224	163	810	1,491	36	4,276	6,714	199

Continued on next page

TABLE 5(B) (continued)

	Local Authorities and Water Boards			Water Companies			Total		
	1958		1963	1958		1963	1958		1963
	Value	Value	Under-takings	Value	Value	Under-takings	Value	Value	Under-takings
	£'000	£'000	Number	£'000	£'000	Number	£'000	£'000	Number
Work done for which a direct charge was not made (b) (continued)									
Repair and maintenance (continued)									
Of machinery and plant	1,197	1,562	146	481	544	36	1,678	2,107	182
Other work for which a direct charge was not made	1,053	1,843	72	348	349	16	1,401	2,192	88
Total repair and maintenance, etc.	8,126	11,228	..	2,195	3,041	..	10,321	14,269	..
Total value of water supplied and work done, including that for which a direct charge was not made	67,348	102,233	..	18,680	27,523	..	86,028	129,756	..
Less repair and maintenance, etc., for which a direct charge was not made	8,126	11,228	..	2,195	3,041	..	10,321	14,269	..
Total value of water supplied and work done, for which a direct charge was made and work of new construction	59,222	91,005	168	16,485	24,482	36	75,707	115,487	204

- (a) Net amount charged, less discounts, whether the charge was levied by rate or rent, or in any other way; transfers from local rates to meet deficiencies in the income of the undertakings are excluded. Meter rents are included.
- (b) Covers wages, salaries and cost of materials used, together with an allowance for general establishment charges.

TABLE 6 Sales of principal products of the industry by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

TABLE 7 Sales of other than principal products by larger undertakings in the industry, 1958 and 1963

Undertakings employing 25 or more persons: United Kingdom

No sales other than principal products were recorded, except for canteen takings, which amounted to £9,000 for 1958 and £5,000 for 1963. Services rendered to other organisations, e.g. amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered was recorded as £109,000 for 1963: similar information is not available for 1958.

TABLE 8 Production of certain principal products of the industry by larger undertakings, including production by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

TABLE 9 Purchases of selected principal products of the industry by larger undertakings, 1963

This table is not applicable to this industry.

Total	Local Authorities (including Water Boards)		Water Companies	
	1958	1963	1958	1963
£'000	7,126	11,228	2,195	3,041
Number	168	168	36	36

TABLE 10 Purchases by larger undertakings in the industry, 1954 and 1963
Undertakings employing 25 or more persons: United Kingdom

	Local Authorities and Water Boards			
	1954		1963	
	Quantity	Cost	Quantity	Cost
	Mn.gal.	£'000	Mn.gal.	£'000
Materials				
Water purchased from other undertakings	42,229	1,625	56,733	3,197
Purifying or softening agents	..	393	..	795
Materials for building and civil engineering work (including repair and maintenance)	Th.tons		Th.tons	
Cast iron pipes and valves (including fittings)	56.2	1,869	91.3	4,226
	..	770	..	904
Iron and steel in other forms except finished parts, wire and scrap (a)	0.7	31	2.8	244
	..	81	..	36
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap (b)	0.9	111	1.1	195
	..	52	..	62
Lubricating oils and greases	..	..	Th.gal. 148	46
			Th.cwt. 0.3	2
Replacement parts for undertakings' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	..	388	..	751
All other materials	..	2,274	..	3,903
Fuel and electricity (c)			Th.tons	
Coal	182	815	114	706
Coke (including screenings) and manufactured fuel	16.3	84	14.9	128
Derv fuel and motor spirit for use in road vehicles	Th.gal. 1,512	263	Th.gal. 2,079	387
Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases)	3,419	196	4,018	232
Gas	Th.therms 431	21	Th.therms 293	26
	Th.kWh 358,716	1,564	Th.kWh 757,654	3,901
Electricity				
Total cost of materials and fuel used		10,538		19,747
Canteen purchases		..		-
Total cost of purchases		..		19,747

Water Companies				Total			
1954		1963		1954		1963	
Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
Mn.gal.	£'000	Mn.gal.	£'000	Mn.gal.	£'000	Mn.gal.	£'000
5,905	283	15,221	729	48,134	1,908	71,954	3,927
..	174	..	279	..	568	..	1,074
Th.tons		Th.tons		Th.tons		Th.tons	
21.0	604	25.7	1,147	77.1	2,473	117	5,373
0.3	14	0.5	47	1.0	45	3.3	291
..	46	..	72	..	127	..	108
0.9	69	0.4	81	1.8	181	1.5	276
..	9	..	48	..	61	..	110
..	..	Th.gal.		..	..	Th.gal. 209	67
		60.7	21	..	..	Th.cwt. 0.3	2
..	193	..	331	..	582	..	1,082
..	525	..	864	..	2,798	..	4,768
		Th.tons				Th.tons	
93.9	368	40.9	220	276	1,183	155	926
9.1	44	4.8	36	25.4	128	19.7	164
Th.gal. 625	119	Th.gal. 802	160	Th.gal. 2,137	382	Th.gal. 2,881	547
5,703	315	4,321	255	9,122	511	8,339	487
Th.therms		Th.therms		Th.therms		Th.therms	
155	11	119	12	587	32	412	38
		..	2	..	..	..	7
Th.kWh 164,491	751	Th.kWh 356,431	1,785	Th.kWh 523,207	2,315	Th.kWh 1,114,085	5,685
	3,525		6,214		14,063		25,961
	..		11		..		11
	..		6,224		..		25,971

(a) Wire was not specifically excluded in 1954.

(b) Described in 1954 as 'Non-ferrous metals in all forms except finished parts and scrap'.

(c) The total quantity of electricity generated in undertakings' own establishments in this industry was as follows:

Local Authorities (including Water Boards)		Water Companies		Total	
1954	1963	1954	1963	1954	1963
Th.kWh	Th.kWh	Th.kWh	Th.kWh	Th.kWh	Th.kWh
16,761	43,912	7,192	13,423	23,953	57,335

TABLE 11 Transport costs and employment of larger undertakings, 1963
Undertakings employing 25 or more persons: United Kingdom

	Unit	Local Authorities and Water Boards	Water Companies	Total
Average number employed mainly on transport	No.	928	261	1,189
Transport costs				
Wages and salaries	£'000	712	193	904
Derv fuel and motor spirit	"	387	160	547
Payments to other organisations for transport	"	141	34	174
Costs of operating road goods vehicles				
Insurance	"	48	32	80
Vehicle licences	"	94	38	131
Depreciation	"	348	186	534
Payments to other organisations for repairs and maintenance	"	123	41	164
Total	"	1,852	683	2,535

TABLE 12 Payments for certain services, etc. by larger undertakings, 1963 (a)
Undertakings employing 25 or more persons: United Kingdom

	Local Authorities and Water Boards	Water Companies	Total
	£'000	£'000	£'000
Repairs and maintenance to:			
Buildings	301	125	426
Road goods vehicles	123	41	164
Plant, machinery, and other capital equipment	1,253	313	1,566
Insurance, licensing and depreciation of road goods vehicles (b)	490	256	745
Rates, excluding water rates	7,458	1,562	9,020
Hire of plant and machinery	340	84	425
Postage, telephone, telegrams and cables	364	191	555
Total	10,328	2,572	12,900

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger undertakings, 1963

Undertakings employing 25 or more persons: United Kingdom

Year ended	Percentage of total number employed		
	Local Authorities and Water Boards	Water Companies	Total
1963	Per cent.	Per cent.	Per cent.
April (a)	0.4	-	0.3
May	8.4	-	6.5
June	-	-	-
July	-	-	-
August	-	-	-
September	0.1	5.2	1.3
October	1.4	-	1.1
November	-	-	-
December	3.0	70.3	18.0
1964			
January	-	-	-
February	-	-	-
March	86.7	24.5	72.9
Total	100	100	100

(a) Including returns made for twelve-month periods ended 1st to 5th April, 1964.

TABLE 14 Sales of all parts of machinery and plant by larger undertakings, including sales by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

Capital Expenditure (continued)

(ii) Land and existing buildings.

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(iii) Plant, machinery and vehicles.

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc. which firms produced for their own use in connection with the business covered by the return. The value of plant, etc. acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. No deduction is made for depreciation, amortisation or obsolescence. The proceeds of items disposed of during the year exclude amounts written off for items scrapped.

Capital expenditure during the year in respect of manufacturing establishments where production had not started before the end of the year is excluded in this report for both 1958 and 1963.

Characteristic Products

The characteristic products of a sub-division are those in terms of which the sub-division is defined. They are products commonly associated in production and are usually similar in nature or manner of production. In most cases the characteristic products of each sub-division are indicated in Table 5 of the industry reports. For those industries for which an analysis by sub-divisions has been made, Table 2 shows the total sales of such characteristic products for each sub-division. The totals include, besides the products which define the sub-division, other items of output assumed to be closely related to them, e.g. waste products and work done.

Enterprise

The term enterprise is used in this report to mean one or more firms under common ownership or control. An enterprise normally consists either of a single firm, or of a parent company together with its subsidiary companies.

Entries

The number of entries shown in Tables 5, 6 and 8 against a particular output or production heading is the number of returns on which figures were recorded for that item.

Establishment

The census was based on the establishment, comprising in most cases the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine); but firms were asked to exclude from all sections of their returns particulars relating to any department not engaged in production for which they kept a separate set of accounts. Where separate accounts were not kept, they were asked to include merchanting or factoring, canteens operated by them and other

ancillary activities such as bottling, packing and the manufacture of containers for packing their own products, whether or not these activities are carried on at the same address as the works. Building and engineering maintenance departments and selling and transport departments were treated similarly.

Gross Output

The gross output of an industry is the aggregate value of goods made and other work done during the year by the establishments classified to the industry. It is derived by subtracting from the value of sales and work done, the value of stocks of goods on hand for sale and work in progress at the beginning of the year and adding the value at the end of the year.

Larger Firms

These are firms in which twenty-five or more persons were employed on the average during the year.

Net Output

The net output of an industry represents the value added to materials by the process of production. It includes the gross margin on any merchanted or factored goods sold; it constitutes the fund from which wages, salaries, insurance, pensions, hire of plant and machinery, payments for repairs and maintenance, costs of operating road vehicles, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits. There is no appreciable duplication in net output. Net output has been obtained by deducting from the gross output the cost of purchases adjusted for stock changes, payments for work given out to other firms, and payments for transport.

Normally any customs or excise duty on materials purchased is included in the cost of materials. Similarly, finished goods sold have been valued as they were sold, duty paid or duty free. The amounts of duty, subsidies, allowances and levies receivable or payable, where of substantial importance in the industry, were required to be stated separately, and these items were taken into account when calculating net output.

Net output per person employed

The figures for net output per person employed are derived by dividing the net output by the average number of persons employed (full-time and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Principal Products

The principal products of an industry are those in terms of which the industry is defined. They are products commonly associated in production, and are usually similar in nature or manner of production.

Production

This means the total quantity of a product made during the year, whether sold in the year, added to stock, transferred to another department of the same firm, or used in the manufacture of other products within the business covered by the return. It includes goods produced from materials supplied by other firms.

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packing materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to firms' own buildings, plant and vehicles when carried out by their own workpeople included in the return; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. In general purchases of goods for merchandising or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including firms' own separate transport organisations, for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at their c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivered cost if invoiced 'carriage paid home'. Materials and fuel transferred from another department of the firm not covered by the same return are included at the estimated selling value recorded by the other department.

Sales

Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other firms from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the firm's capital asset account. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included as in 1958.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis, net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packing materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value. For work done on commission or for the trade the value shown is the net amount charged.

Where goods produced in one department were transferred to another department of the same firm not covered by the return, these transfers were treated as sales by the producing department and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same basis. Estimations of a similar kind were also sometimes necessary in valuing transfers between different firms belonging to the same enterprise. To the extent that the sales of finished products of one establishment may constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport, or for any technical or other

services rendered to other organisations. It includes amounts credited for similar services rendered to other departments of the same firm not covered by the return.

Small Firms

These are firms in which fewer than twenty-five persons were employed on the average during the year.

Stocks and Work in Progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the beginning and end of the year of return, including any stocks of goods held for merchandising or factoring. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the two dates is also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

Transport Payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport organisation of the same firm, not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coast-wise shipping, air, etc. Payments made for sea freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

Wages and Salaries

These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded; in Northern Ireland this exclusion extends also to payments to directors of limited companies. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to National Insurance and pension schemes is excluded.

Work given out

The figures shown represent the total amount paid for work done by other firms on materials supplied to them, and also by firms' own establishments for which separate returns were made. They do not include payments to individual outworkers or payments for business and other services.

Symbols used

The following symbols are used throughout the report:

- .. Not available
- Nil or negligible (less than half the final digit shown)
- * Figures cannot be shown owing to the risk of disclosing information about individual enterprises.

Rounding of Figures

The figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be apparent slight discrepancies between the sums of the constituent items and the totals shown.

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