



BOARD OF TRADE

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[HA 251]

# Report on the Census of Production 1963

126 Construction

LONDON: HER MAJESTY'S STATIONERY OFFICE  
SIX SHILLINGS NET



These notes give the main information needed for interpreting the figures in the Census of Production 1963. They are given in a separate booklet - 'Interpretation of the Census of Production 1963' - Part I of the report on the Census of Production for 1963.

GENERAL INFORMATION

Changes in the 1963 census

These were the changes resulting from amendments to the Census of Production Act 1947.

They include all persons regarded as 'self-employed' for national insurance purposes, and persons who worked in the same way as those who received a fixed wage or salary without receiving a fixed wage or salary, but who were not included in the 1963 census.

BOARD OF TRADE

# Report on the Census of Production 1963

## 126 Construction

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

TERMS USED IN THE CENSUS REPORT

Number employed

These 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). Average 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 figures. These were also required to state the number of working proprietors (see below) whose proprietors and their partners are included in total employment figures. Outworkers are excluded.

Capital Expenditure

(1) New building work

This represents the cost incurred during the year of new building and other new construction 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.



## 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.

Notes - continued on pages iii and iv

## CENSUS OF PRODUCTION FOR 1963

### CORRECTIONS

#### PART 126 CONSTRUCTION

Table 1 Industry summary: United Kingdom

Page 126/3

	1963 column											
	Delete	Substitute										
Number of returns	91,457	90,171										
Net output per head	1,076	1,091										
Average number employed												
	<table border="0"> <tr> <td rowspan="3" style="vertical-align: middle;">{</td> <td>total, including working proprietors</td> <td>1,691.0</td> <td>1,668.3</td> </tr> <tr> <td>operatives</td> <td>1,352.6</td> <td>1,333.5</td> </tr> <tr> <td>other employees</td> <td>236.4</td> <td>232.8</td> </tr> </table>		{	total, including working proprietors	1,691.0	1,668.3	operatives	1,352.6	1,333.5	other employees	236.4	232.8
{	total, including working proprietors	1,691.0		1,668.3								
	operatives	1,352.6		1,333.5								
	other employees	236.4	232.8									
Wages and salaries												
	<table border="0"> <tr> <td rowspan="2" style="vertical-align: middle;">{</td> <td>of operatives</td> <td>1,017,969</td> <td>1,002,675</td> </tr> <tr> <td>of other employees</td> <td>217,159</td> <td>213,752</td> </tr> </table>		{	of operatives	1,017,969	1,002,675	of other employees	217,159	213,752			
{	of operatives	1,017,969		1,002,675								
	of other employees	217,159	213,752									
Employers' contributions to National Insurance and private pension schemes, etc.	72,034	71,976										

Table 2(i)(A) Analysis of larger firms by sub-divisions within the industry, 1958 and 1963

Page 126/5

Sub-division: Civil engineering contractors

Year: 1963

Heading: Materials, stores and fuel: Change during the year

Amendment: 1,265 should read + 1,265

Board of Trade  
1970

LONDON: HER MAJESTY'S STATIONERY OFFICE



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# 126 Construction

This Report on the Construction Industry covers the construction work done by private firms and by persons directly employed by Local Authorities and Government Departments. It excludes construction work carried out by the employees of nationalised industries and transport and water undertakings, except for the housing departments of the National Coal Board. The report includes erecting and repairing buildings of all types; constructing and repairing roads and bridges; erecting steel and reinforced concrete structures; other civil engineering work such as laying sewers and gas mains, erecting overhead line supports and aerial masts, opencast coal mining, etc.; specialist sections of construction work such as asphaltting, electrical wiring, flooring, glazing, installing heating and ventilating apparatus, painting, plastering, plumbing, roofing; and demolition work. The hiring out of contractors' plant and scaffolding is included.

Contractual work on opencast coal mining is included for 1958 and 1963 but the activities of the division of the National Coal Board responsible for selling the coal so obtained is excluded for 1963.

This industry corresponds to minimum list heading 500 in the Standard Industrial Classification (Consolidated edition, 1963).

Except for Tables 1 and 4, in which summaries are given for the industry as a whole, the tables in this report are in two parts, Part A relating to private firms and Part B to public authorities. The report includes an additional Table 5(A) Supplement supplied by the Ministry of Public Building and Works, giving an analysis of the value of output of construction work in Great Britain by private firms in the industry.

In this industry, where small firms account for a relatively large proportion of employment and output, a sample of private firms and all public authorities employing fewer than twenty-five persons were asked to complete a simplified version of the full census form for 1963; estimates based on information received from these small firms are given in Tables 2(ii)(A) and 2(ii)(B) and Tables 5(A) and 5(B).

## METHOD OF CLASSIFICATION

A return was classified to this industry if the value of construction work done (including materials used) accounted for a greater proportion of the output than the principal products of all other industries.

In the classification of returns to sub-divisions of the industry, shown in Tables 2(i)(A) and 2(ii)(A), firms were asked to indicate from a list of the various specialist classes of construction business the description most appropriate to their business and the returns were classified to sub-divisions accordingly. Returns allocated to sub-divisions were further sub-divided between 'main contractors' and 'sub-contractors' according to their major activity, measured in terms of the value of work done. 'Plant hiring contractors' were all classed as 'sub-contractors'.

The sub-divisions distinguished in the public sector of the industry, shown in Table 2(i)(B), relate to returns received from Government Departments, Local Authorities and other Public Authorities.



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13(B)	Percentage analysis of twelve-month periods covered by returns from larger undertakings, 1963	126/34
14(B)	Sales of all parts of machinery and plant by larger undertakings, including sales by undertakings classified to other industries, 1958 and 1963	DOES NOT APPLY

TABLE 1 Industry summary: United Kingdom

Estimates for all firms and undertakings, 1958 and 1963 (a)

	Unit	1958(b)	1963
Number of returns	No.	95,720	91,457
Gross output	£'000	2,780,126	3,866,225
Net output	"	1,245,134	1,819,311
Net output per head	£	797	1,076
Value of work done and goods produced (c)	£'000	2,724,023	3,800,636(d)
Sales of merchant goods and canteen takings	"	56,103	61,329
Purchases	"	1,050,147	1,233,177
{ materials and fuel	"		36,030
{ goods for merchandising and canteen purchases	"		23,106
{ for transport	"		703,409
Payments to other organisations	"	451,475	57,248
{ for work done on contracts sub-let	"		
{ for the hire of plant and machinery	"	31,435	
Stocks	"		
Total stocks	"	1,935	10,316
{ change during year	"		
{ at end of year	"	104,165	193,492
Goods on hand for sale	"	..	4,260
{ change during year	"		
{ at end of year	"	..	65,061
Materials, stores and fuel	"	1,935	6,056
{ change during year	"		
{ at end of year	"	104,165	128,431
Average number employed	Th.	1,573.6	1,691.0
{ total, including working proprietors	"		
{ operatives	"	1,280.4	1,352.6
{ other employees (e)	"	195.3	236.4
Wages and salaries	£'000	741,930	1,017,969
{ of operatives	"		
{ of other employees (e)	"	140,536	217,159
Employers' contributions to National Insurance and private pension schemes, etc. (f)	"	..	72,034
Capital expenditure (g)	"		
Total	"	..	105,721
New building work	"	10,943	12,408
Land and existing buildings (h)	"	..	1,880
Plant and machinery (h) (i)	"	33,401	56,518
Vehicles (h)	"	21,594	34,915

(a) For 1963, estimates for larger firms not making satisfactory returns and for small firms in Northern Ireland accounted for 3 per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was 5 per cent. except for wages and salaries and capital expenditure for which no small firms were asked to report, where the estimates for small firms and for firms not making satisfactory returns accounted for 25 per cent. and 32 per cent. respectively of the total figures in which they were incorporated.) Summaries of the detailed returns received from larger private firms are given in Table 2(i)A and from larger public authorities in Table 2(i)B; estimates for small private firms and small public authorities are given in Tables 2(ii)A and 2(ii)B respectively.

(b) Revised figures.

(c) These totals, including estimates in respect of unsatisfactory returns, are made up as follows:

	1958	1963
Construction work	£'000	£'000
Private firms	2,413,745	3,422,115
Public authorities	260,126	325,678
Other work done and goods made and sold	50,152	52,843
Total	2,724,023	3,800,636

(d) 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).

(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.

(i) Including mobile plant.



PART A  
PRIVATE FIRMSTABLE 2(i)(A) Analysis of larger firms by sub-divisions within the industry, 1958 and 1963  
Firms employing 25 or more persons: United Kingdom (a)

	Unit	Sub-divisions of the industry (b)			
		General builders		Building and civil engineering contractors	
		1958	1963	1958	1963
Number of enterprises (c)	No.	3,146	2,928	1,104	1,237
Number of returns	"	3,150	2,956	1,111	1,285
Gross output	£'000	410,607	553,049	720,110	1,247,700
Net output	"	171,779	256,101	275,442	478,096
Net output per head	£	747	1,127	883	1,255
Value of work done and goods produced	£'000	407,579	550,634(d)	717,562	1,240,275(d)
Sales of merchanted goods and canteen takings	"	3,028	1,797	2,548	6,355
Purchases	" { materials and fuel	151,055	149,678	221,900	341,036
			goods for merchenting and canteen purchases		1,594
Payments to other organisations	" { for transport	1,844	1,373	8,214	6,769
	" { for work done on contracts sub-let	84,560	140,278	201,266	391,820
	" { for the hire of plant and machinery	2,335	4,884	13,448	25,758
Stocks					
Goods on hand for sale	" { change during year	..	+ 618	..	+ 1,071
	" { at end of year	..	6,121	..	27,380
Materials, stores and fuel	" { change during year	+ 966	+ 859	+ 160	+ 1,195
	" { at end of year	12,161	14,683	16,508	25,039
Average number employed	" { total, including working proprietors	No. 230,073	227,201	311,727	381,077
	" { operatives	" 205,994	199,984	268,192	317,455
	" { other employees (e)	" 23,071	24,143	43,362	62,395
Wages and salaries	" { of operatives	£'000 117,131	145,363	172,064	260,388
	" { of other employees (e)	" 15,979	21,528	33,489	62,111
Wages and salaries per head	" { operatives	£ 569	727	642	820
	" { other employees (e)	" 603	892	772	995
Employers' contributions to National Insurance (f)	£'000	..	7,417	..	13,171
Employers' contributions to private pension schemes, etc. (g)	"	..	1,199	..	3,238
Capital expenditure (h)					
New building work	"	1,232	1,827	1,465	2,858
Land and existing buildings	" { acquisitions	..	1,488	..	2,053
	" { disposals	..	1,010	..	1,356
Plant and machinery (i)	" { acquisitions	2,676	4,375	13,123	25,564
	" { disposals	294	385	2,180	3,724
Vehicles	" { acquisitions	3,160	4,384	4,495	8,804
	" { disposals	945	1,269	1,301	2,147

## PRIVATE FIRMS

	Sub-divisions of the industry (b)									
	Civil engineering contractors		Constructional engineers		Plumbing contractors		Joiners and carpenters		Painting contractors	
	1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
	273	328	205	154	180	172	86	98	275	283
	277	339	209	155	181	175	86	98	276	287
	146,138	167,304	96,332	72,809	26,580	28,095	6,865	10,833	24,628	35,614
	69,660	82,094	40,771	30,928	11,747	13,738	3,001	5,521	17,960	26,486
	1,098	1,373	1,127	1,193	873	1,146	690	1,039	829	1,090
	144,328	166,803(d)	92,573	71,082(d)	26,253	27,280(d)	6,802	10,700(d)	24,469	35,361(d)
	1,810	726	3,759	1,824	327	680	64	102	159	247
Purchases	" { 56,428	64,445	43,917	28,230	14,017	13,321	2,684	3,644	6,074	7,531
		699		1,377		479		76		162
Payments to other organisations	" { 2,455	1,867	1,327	826	27	32	19	27	53	27
	" { 13,319	13,678	9,009	10,338	681	527	1,168	1,596	455	1,252
	" { 3,563	5,786	444	765	10	25	2	15	96	178
Goods on hand for sale	" { ..	- 225	..	- 96	..	+ 135	..	+ 31	..	+ 5
	" { ..	956	..	2,571	..	727	..	180	..	98
Materials, stores and fuel	" { - 712	1,265	- 862	- 345	- 97	+ 27	+ 9	+ 47	+ 11	+ 21
	" { 5,351	10,061	9,151	5,206	912	998	311	524	571	607
Average number employed	" { 63,434	59,781	36,168	25,927	13,451	11,983	4,350	5,311	21,661	24,302
	" { 53,222	50,879	27,331	18,876	11,078	9,845	3,858	4,662	19,695	21,897
	" { 10,182	8,596	8,823	6,972	2,329	1,969	445	568	1,854	2,143
Wages and salaries	" { 38,445	43,909	18,026	15,648	6,500	7,289	2,088	3,416	12,588	17,901
	" { 8,344	9,007	7,284	6,518	1,573	1,577	270	456	1,390	2,089
Wages and salaries per head	" { 722	863	660	829	587	740	541	733	639	818
	" { 820	1,048	826	935	676	801	607	802	750	975
Employers' contributions to National Insurance (f)	..	2,075	..	771	..	370	..	184	..	790
Employers' contributions to private pension schemes, etc. (g)	..	494	..	449	..	60	..	18	..	95
Capital expenditure (h)										
New building work	"	233	578	499	654	40	58	12	21	55
Land and existing buildings	" { ..	534	..	127	..	40	..	3	..	79
	" { ..	479	..	95	..	13	..	1	..	53
Plant and machinery (i)	" { 5,809	6,813	993	1,337	51	53	23	51	84	127
	" { 711	1,124	36	225	1	3	1	4	2	2
Vehicles	" { 1,349	2,584	400	363	229	267	58	94	348	509
	" { 305	517	138	129	84	100	24	26	136	187

Continued on next page



## PRIVATE FIRMS

TABLE 2(i)(A) (continued)

	Unit	Sub-divisions of the industry (b)				
		Roofing contractors		Plastering contractors		
		1958	1963	1958	1963	
Number of enterprises (c)	No.	105	105	133	173	
Number of returns	"	105	105	133	180	
Gross output	£'000	25,815	27,004	11,476	21,350	
Net output	"	10,315	11,998	7,564	14,044	
Net output per head	£	1,085	1,295	775	1,123	
Value of work done and goods produced	£'000	22,224	24,170(d)	11,460	21,287(d)	
Sales of merchanted goods and canteen takings	"	3,591	2,696	16	76	
Purchases	materials and fuel	"	11,477		5,581	
	goods for merchenting and canteen purchases	"	2,319	3,436	79	
Payments to other organisations	for transport	"	144	27	31	
	for work done on contracts sub-let	"	1,042	431	1,586	
	for the hire of plant and machinery	"	45	138	9	44
Stocks						
Goods on hand for sale	change during year	"	+ 138	..	- 14	
	at end of year	"	..	862	..	48
Materials, stores and fuel	change during year	"	- 240	+ 113	- 9	+ 15
	at end of year	"	1,803	995	79	126
Average number employed	total, including working proprietors	No.	9,510	9,264	9,761	12,502
	operatives	"	7,483	7,392	9,094	11,378
	other employees (e)	"	2,008	1,798	606	918
Wages and salaries	of operatives	£'000	4,884	5,843	5,952	9,854
	of other employees (e)	"	1,705	1,686	443	834
Wages and salaries per head	operatives	£	653	790	654	866
	other employees (e)	"	849	938	731	908
Employers' contributions to National Insurance (f)	£'000	..	299	..	432	
Employers' contributions to private pension schemes, etc. (g)	"	..	98	..	27	
Capital expenditure (h)						
New building work	"	28	46	13	24	
Land and existing buildings	acquisitions	"	..	20	..	22
	disposals	"	..	11	..	13
Plant and machinery (i)	acquisitions	"	82	95	20	40
	disposals	"	-	10	-	4
Vehicles	acquisitions	"	252	309	126	240
	disposals	"	92	105	43	80

## PRIVATE FIRMS

	Unit	Sub-divisions of the industry (b)									
		Glazing contractors		Demolition contractors		Scaffolding specialists		Reinforced concrete specialists		Heating and ventilating engineers	
		1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
		46	53	23	21	18	17	41	42	188	243
		46	56	23	21	18	19	43	43	191	258
		9,132	15,533	2,033	2,844	7,548	13,659	23,313	20,876	60,320	110,294
		3,656	6,399	1,368	2,156	5,606	9,755	12,942	11,472	23,839	42,470
		919	1,292	793	1,353	1,082	1,309	1,085	1,443	1,002	1,208
		7,417	13,092(d)	1,846	2,482(d)	6,556	11,588(d)	23,153	20,756(d)	58,331	104,631(d)
		1,715	2,399	187	344	992	2,290	160	189	1,989	5,205
		5,292	7,285	522	443	1,877	2,164	8,714	7,005	31,581	54,027
		39	14	42	35	134	272	503	694	167	245
		134	184	30	61	23	46	746	1,501	4,560	9,412
		1	11	54	55	49	78	201	192	19	84
		..	+ 41	..	+ 18	..	- 219	..	- 69	..	+ 458
		..	205	..	47	..	431	..	907	..	1,470
		- 10	+ 95	- 17	+ 7	+ 141	+ 99	- 207	+ 113	- 155	+ 241
		760	1,511	29	38	1,750	3,985	1,006	893	1,798	2,786
		3,980	4,952	1,726	1,594	5,184	7,454	11,925	7,952	23,798	35,159
		3,017	3,820	1,560	1,445	4,177	5,751	9,770	6,168	17,501	25,091
		959	1,087	160	119	1,007	1,699	2,151	1,760	6,276	9,925
		1,808	2,889	956	1,054	2,782	4,006	7,191	5,772	11,170	20,885
		631	937	106	114	713	1,446	1,810	1,687	4,494	8,991
		599	756	613	729	666	697	736	936	638	832
		659	862	663	956	708	851	841	959	716	906
		..	142	..	61	..	171	..	278	..	1,136
		..	66	..	3	..	73	..	88	..	457
		93	77	25		117	101	116	211	162	282
		..	117	..	+ 18	..	82	..	36	..	131
		..	30	..		..	-	..	11	..	127
		34	84	32	253	293	582	594	447	103	452
		-	2	13	52	45	20	23	6	1	20
		91	168	58	185	125	251	230	194	314	669
		21	45	7	35	35	54	49	52	106	216

Continued on next page



## PRIVATE FIRMS

TABLE 2(i)(A) (continued)

	Unit	Sub-divisions of the industry (b)				
		Electrical contractors		Asphalt and tar spraying contractors		
		1958	1963	1958	1963	
Number of enterprises (c)	No.	336	414	44	70	
Number of returns	"	340	432	47	73	
Gross output	£'000	59,485	101,125	18,790	31,121	
Net output	"	29,762	54,323	7,418	13,666	
Net output per head	£	840	1,112	994	1,400	
Value of work done and goods produced	£'000	55,416	96,781(d)	18,346	30,795(d)	
Sales of merchanted goods and canteen takings	"	4,069	4,409	444	328	
Purchases	materials and fuel	28,639	41,438	9,937	14,843	
			goods for merchenting and canteen purchases		3,854	257
Payments to other organisations	for transport	"	74	141	933	897
	for work done on contracts sub-let	"	791	1,589	258	688
	for the hire of plant and machinery	"	30	141	268	743
Stocks						
Goods on hand for sale	change during year	"	..	- 65	..	- 3
	at end of year	"	..	1,806	..	47
Materials, stores and fuel	change during year	"	- 188	+ 360	+ 24	- 27
	at end of year	"	2,492	3,383	849	783
Average number employed	total, including working proprietors	No.	35,430	48,863	7,464	9,760
	operatives	"	29,787	40,707	6,025	8,010
	other employees (e)	"	5,609	7,845	1,433	1,700
Wages and salaries	of operatives	£'000	17,156	30,128	4,293	6,937
	of other employees (e)	"	3,425	6,652	1,070	1,452
Wages and salaries per head	£	576	740	713	866	
	"	611	848	747	854	
Employers' contributions to National Insurance (f)	£'000	..	1,513	..	322	
Employers' contributions to private pension schemes, etc. (g)	"	..	337	..	82	
Capital expenditure (h)						
New building work	"	101	345	31	72	
Land and existing buildings	acquisitions	"	..	146	..	15
	disposals	"	..	206	..	8
Plant and machinery (i)	acquisitions	"	116	303	329	645
	disposals	"	2	11	29	48
Vehicles	acquisitions	"	472	793	212	383
	disposals	"	212	206	53	69

## PRIVATE FIRMS

	Sub-divisions of the industry (b)						Great Britain			
	Plant hiring contractors		Flooring contractors		Other		Main contractors		Sub-contractors	
	1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
	48	111	47	76	274	159	5,443	4,955	1,106	1,430
	48	114	47	79	278	164	5,493	5,107	1,116	1,509
	10,126	32,302	11,441	21,382	93,457	53,411	1,515,715	2,054,256	248,482	459,972
	6,042	20,138	5,394	10,203	45,233	28,168	628,634	866,769	120,864	228,895
	1,745	2,271	1,075	1,279	1,139	1,414	877	1,223	999	1,282
	8,600	27,072(d)	9,877	19,818(d)	87,144	49,366(d)	1,493,852	2,035,764(d)	236,084	436,876(d)
	1,526	5,316	1,564	1,545	6,313	3,955	21,863	17,046	12,398	22,700
	2,848	3,781	5,496	8,846	37,926	17,666	532,508	588,910	114,115	175,491
		4,530		1,442		3,589		14,735		18,295
	187	434	161	100	935	580	14,979	10,241	2,481	4,102
	209	140	274	676	7,835	2,527	316,606	540,703	9,763	27,390
	927	3,381	17	31	1,508	885	21,894	36,312	1,132	6,500
	..	- 86	..	+ 19	..	+ 90	..	+ 1,445	..	+ 396
	..	338	..	422	..	745	..	36,729	..	8,117
	+ 88	+ 103	- 98	- 83	- 19	+ 4	- 1,090	+ 3,415	- 126	+ 701
	667	871	956	919	3,739	3,279	46,261	56,116	14,632	19,632
	3,463	8,868	5,017	7,978	39,726	19,917	716,921	708,548	120,927	178,524
	2,802	7,096	3,791	6,241	32,131	15,745	617,719	598,796	98,789	143,375
	660	1,705	1,220	1,681	7,572	4,098	97,816	105,021	21,911	34,060
	2,040	6,516	2,652	5,637	23,137	14,434	385,977	476,925	65,086	118,844
	514	1,641	892	1,477	6,445	4,079	74,013	101,677	16,564	31,041
	728	918	700	903	720	917	624	796	658	828
	779	963	731	879	851	995	756	968	755	911
	..	288	..	261	..	656	..	23,952	..	5,670
	..	55	..	63	..	273	..	5,435	..	1,686
	79	251	42	256	1,760	121	5,241	5,676	862	1,940
	..	106	..		..	139	..	4,409	..	869
	..	63	..	..	95	..	3,009	..	589	
	2,802	5,829	102	110	1,184	1,304	25,711	35,625	2,739	11,036
	502	1,149	3	3	37	69	3,431	4,892	449	1,767
	226	898	81	225	550	482	10,728	16,526	2,048	4,728
	72	172	38	71	187	155	3,175	4,188	673	1,308

Continued on next page



## PRIVATE FIRMS

TABLE 2(i)(A) (continued)

	Unit	Northern Ireland				
		Main contractors		Sub-contractors		
		1958	1963	1958	1963	
Number of enterprises (c)	No.	176	186	28	36	
Number of returns	"	177	187	28	36	
Gross output	£'000	29,656	43,667	3,381	8,409	
Net output	"	11,112	18,574	1,583	3,516	
Net output per head	£	661	940	842	1,164	
Value of work done and goods produced	£'000	29,494	43,545(d)	3,302	7,791(d)	
Sales of merchanted goods and canteen takings	"	162	146	79	589	
Purchases	materials and fuel	12,803	13,812	1,578	4,228	
	goods for merchenting and canteen purchases		163		383	
Payments to other organisations	for transport	58	121	5	45	
	for work done on contracts sub-let	5,467	10,569	165	277	
	for the hire of plant and machinery	212	373	3	8	
Stocks	Goods on hand for sale					
	change during year	..	- 24	..	+ 30	
	at end of year	..	234	..	279	
Materials, stores and fuel	change during year	- 5	- 55	- 47	+ 47	
	at end of year	541	553	252	387	
Average number employed	total, including working proprietors	No.	16,803	19,753	1,880	3,020
	operatives	"	14,951	17,779	1,585	2,492
	other employees (e)	"	1,480	1,573	244	467
Wages and salaries	of operatives	£'000	7,398	10,454	802	1,647
	of other employees (e)	"	789	1,198	150	364
Wages and salaries per head	operatives	£	494	588	506	661
	other employees (e)	"	533	762	614	780
Employers' contributions to National Insurance (f)	£'000	..	623	..	92	
Employers' contributions to private pension schemes, etc. (g)	"	..	43	..	11	
Capital expenditure (h)						
New building work	"	48	111	6	2	
Land and existing buildings	acquisitions	..	74	..	-	
	disposals	..	11	..	-	
Plant and machinery (i)	acquisitions	571	+ 1,528	15	+ 74	
	disposals	68		-		
Vehicles	acquisitions	296	458	21	89	
	disposals	87	116	9	27	

(a) For small firms' summary see Table 2(ii)(A).

(b) The method of classifying returns to sub-divisions of the industry is explained in the introduction to this report. For 1958 classification to sub-divisions of the industry was not available for Northern Ireland and the details given relate, therefore, to Great Britain.

(c) The sum of the figures for the sub-divisions exceed the total for the industry to the extent that enterprises made returns for more than one sub-division.

(d) 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).

## PRIVATE FIRMS

	Unit	United Kingdom					
		Main contractors		Sub-contractors		Main and sub-contractors	
		1958	1963	1958	1963	1958	1963
		5,619	5,141	1,134	1,466	6,732	6,540
		5,670	5,294	1,144	1,545	6,814	6,839
		1,545,371	2,097,923	251,863	468,382	1,797,234	2,566,305
		639,746	885,344	122,447	232,411	762,196	1,117,755
		872	1,216	997	1,280	890	1,229
		1,523,346	2,079,309(d)	239,386	444,666(d)	1,762,732	2,523,975(d)
		22,025	17,193	12,477	23,289	34,502	40,482
Purchases	materials and fuel	545,311	602,723	115,693	179,719	661,003	782,442
	goods for merchenting and canteen purchases		14,898		18,677		33,575
Payments to other organisations	for transport	15,037	10,362	2,486	4,147	17,524	14,509
	for work done on contracts sub-let	322,073	551,272	9,928	27,666	332,003	578,939
	for the hire of plant and machinery	22,106	36,685	1,135	6,509	23,241	43,194
Stocks	Goods on hand for sale						
	change during year	..	+ 1,421	..	+ 426	..	+ 1,847
	at end of year	..	36,963	..	8,396	..	45,359
Materials, stores and fuel	change during year	- 1,095	+ 3,360	- 173	+ 748	- 1,267	+ 4,108
	at end of year	46,802	56,669	14,884	20,019	61,688	76,688
Average number employed	total, including working proprietors	733,724	728,301	122,807	181,544	856,531	909,845
	operatives	632,670	616,575	100,374	145,867	733,044	762,442
	other employees (e)	99,296	106,594	22,155	34,527	121,451	141,121
Wages and salaries	of operatives	393,375	487,378	65,888	120,491	459,063	607,869
	of other employees (e)	74,802	102,875	16,714	31,405	91,516	134,280
Wages and salaries per head	operatives	622	790	654	826	626	797
	other employees (e)	753	965	754	910	754	952
Employers' contributions to National Insurance (f)	£'000	..	24,575	..	5,762	..	30,336
Employers' contributions to private pension schemes, etc. (g)	"	..	5,478	..	1,697	..	7,175
Capital expenditure (h)							
New building work	"	5,289	5,787	868	1,943	6,157	7,730
Land and existing buildings	acquisitions	..	4,482	..	869	..	5,352
	disposals	..	3,019	..	589	..	3,608
Plant and machinery (i)	acquisitions	26,282	37,352	2,754	11,113	29,035	48,465
	disposals	3,499	5,091	449	1,770	3,950	6,861
Vehicles	acquisitions	11,024	16,984	2,069	4,817	13,092	21,801
	disposals	3,262	4,304	682	1,335	3,946	5,638

(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.

(i) Including mobile plant.



## PRIVATE FIRMS

TABLE 2(ii)(A) Analysis of small firms by sub-divisions within the industry, 1958 and 1963

Firms employing fewer than 25 persons: United Kingdom (a)

	Unit	Sub-divisions of the industry (b)			
		General builders		Building and civil engineering contractors	
		1958	1963	1958	1963
Number of returns	No.	..	37,018	..	1,447
Gross output	£'000	..	438,858	..	38,074
Net output (c)	"	135,982	210,639	11,266	18,561
Net output per head (c)	£	670	933	751	1,173
Value of work done and goods produced	£'000	294,565	433,915(d)	27,353	38,167(d)
Sales of merchanted goods	"	2,133	2,850	546	28
Purchases of goods and fuel	"	118,991	158,082	11,825	13,018
	"		877		349
Payments to other organisations	"	40,578	66,921	4,476	5,441
	"	1,147	2,365	331	713
Stocks					
Goods on hand for sale	"	..	+ 2,093	..	- 122
	"	..	10,394	..	175
Materials, stores and fuel	"	..	+ 27	..	+ 9
	"	..	11,333	..	1,192
Average number employed	No.	42,090	45,169	1,477	1,708
	"	160,796	180,522	13,530	14,117
Capital expenditure					
New building work	£'000	..	1,257	..	107
Land and existing buildings	"	..	2,121	..	118
	"	..	3,111	..	-
Plant and machinery (e)	"	..	2,936	..	1,576
	"	..	191	..	204
Vehicles	"	..	9,841	..	952
	"	..	2,521	..	206

## PRIVATE FIRMS

	Unit	Sub-divisions of the industry (b)							
		Civil engineering contractors		Constructional engineers		Plumbing contractors		Joiners and carpenters	
		1958	1963	1958	1963	1958	1963	1958	1963
Number of returns	No.	..	527	..	161	..	7,740	..	6,411
Gross output	£'000	..	12,070	..	2,415	..	62,533	..	36,175
Net output (c)	"	5,167	6,716	733	1,288	25,453	31,161	13,167	20,387
Net output per head (c)	£	912	1,211	1,134	949	648	895	561	786
Value of work done and goods produced	£'000	10,582	11,987(d)	1,469	2,407(d)	47,565	60,376(d)	23,931	35,835(d)
Sales of merchanted goods	"	98	108	136	27	2,702	2,165	452	248
Purchases of goods and fuel	"	3,769	4,056	757	1,023	23,601	29,692	9,768	12,921
	"		196		12		24		64
Payments to other organisations	"	1,119	788	99	111	1,193	1,679	1,377	2,887
	"	625	291	17	7	22	44	71	26
Stocks									
Goods on hand for sale	"	..	- 24	..	- 19	..	- 7	..	+ 91
	"	..	93	..	86	..	1,235	..	420
Materials, stores and fuel	"	..	- 23	..	+ 26	..	+ 67	..	+ 110
	"	..	65	..	220	..	1,926	..	1,386
Average number employed	No.	645	569	12	175	10,404	8,497	6,954	7,314
	"	5,020	4,978	634	1,183	28,893	26,332	16,507	18,643
Capital expenditure									
New building work	£'000	..	14	..	2	..	108	..	94
Land and existing buildings	"	..	15	..	-	..	168	..	62
	"	..	-	..	-	..	41	..	20
Plant and machinery (e)	"	..	708	..	32	..	129	..	267
	"	..	97	..	-	..	5	..	4
Vehicles	"	..	367	..	35	..	1,933	..	982
	"	..	65	..	19	..	530	..	270

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## PRIVATE FIRMS

TABLE 2(ii)(A) (continued)

	Unit	Sub-divisions of the industry (b)			
		Painting contractors		Roofing contractors	
		1958	1963	1958	1963
Number of returns	No.	..	15,013	..	1,272
Gross output	£'000	..	57,381	..	15,445
Net output (c)	"	36,650	40,012	7,562	6,782
Net output per head (c)	£	604	763	874	993
Value of work done and goods produced	£'000	49,161	55,229(d)	14,854	14,694(d)
Sales of merchanted goods	"	2,074	2,127	1,054	601
Purchases of goods and fuel	"	13,373	15,199	7,781	7,407
	"				
Payments to other organisations	"	1,089	1,961	545	1,104
	"	123	136	20	48
Stocks					
Goods on hand for sale	"	..	+ 25	..	+ 150
	"	..	955	..	462
Materials, stores and fuel	"	..	- 30	..	- 20
	"	..	1,244	..	306
Average number employed	No.	20,732	17,329	1,738	1,664
	"	39,994	35,111	6,915	5,168
Capital expenditure					
New building work	£'000	..	131	..	-
Land and existing buildings	"	..	260	..	41
	"	..	64	..	-
Plant and machinery (e)	"	..	208	..	85
	"	..	17	..	18
Vehicles	"	..	2,397	..	547
	"	..	738	..	209

## PRIVATE FIRMS

	Unit	Sub-divisions of the industry (b)									
		Plastering contractors		Glazing contractors		Heating and ventilating engineers		Electrical contractors		Flooring contractors	
		1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
	"	..	3,082	..	337	..	1,169	..	4,061	..	600
	"	..	20,410	..	5,406	..	23,526	..	44,823	..	8,393
	"	10,248	15,258	1,545	2,633	3,460	10,826	18,061	23,482	3,096	3,654
	"	643	837	774	1,013	924	1,062	646	877	930	959
	"	14,411	20,421(d)	3,204	4,938(d)	7,725	23,312(d)	32,362	40,224(d)	5,921	7,456(d)
	"	14	1	252	466	585	213	7,301	4,591	127	906
	"	3,641	4,178	1,875	2,729	4,414	11,659	21,514	21,105	2,807	4,617
	"										
	"	512	925	35	20	415	1,056	84	242	137	100
	"	23	29	1	5	20	16	3	4	8	1
	"	..	- 12	..	+ 2	..	+ 1	..	+ 8	..	+ 31
	"	..	46	..	92	..	157	..	1,614	..	191
	"	..	+ 5	..	- 15	..	+ 48	..	+ 47	..	-
	"	..	127	..	196	..	846	..	1,713	..	141
	"	4,023	4,117	277	380	271	1,723	4,856	4,482	477	569
	"	11,914	14,103	1,719	2,219	3,472	8,467	23,079	22,307	2,853	3,241
	"	..	147	..	-	..	8	..	17	..	12
	"	..	11	..	102	..	56	..	58	..	2
	"	..	16	..	-	..	-	..	70	..	-
	"	..	49	..	6	..	73	..	212	..	20
	"	..	-	..	-	..	1	..	3	..	-
	"	..	676	..	156	..	497	..	1,243	..	163
	"	..	150	..	52	..	126	..	485	..	39

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## PRIVATE FIRMS

TABLE 2(ii)(A) (continued)

	Unit	Sub-divisions of the industry (b)				
		Remainder of sub-divisions				
		Total Remainder of sub-divisions	Total Remainder of sub-divisions	Demolition contractors	Scaffolding specialists	Reinforced concrete specialists
		1958	1963			
Number of returns	No.	..	1,534	190	58	131
Gross output	£'000	..	27,842	2,337	752	2,283
Net output (c)	"	5,948	18,042	1,618	719	1,408
Net output per head (c)	£	1,088	1,571	1,259	1,298	1,340
Value of work done and goods produced	£'000	9,732	24,255(d)	2,061(d)	752(d)	2,272(d)
Sales of merchant goods	"	630	3,527	278	-	12
Purchases of goods and fuel	"	3,844	7,639	482	3	622
for transport	"			258	87	-
Payments to other organisations	"	165	839	78	2	107
for the hire of plant and machinery	"	405	1,090	66	27	135
Stocks						
Goods on hand for sale						
change during year	"	..	+ 60	- 2	-	- 1
at end of year	"	..	534	19	-	8
Materials, stores and fuel						
change during year	"	..	+ 26	- 6	-	+ 1
at end of year	"	..	514	8	1	10
Average number employed	No.					
working proprietors	"	623	1,533	307	58	117
other persons employed	"	4,843	9,853	978	496	934
Capital expenditure						
New building work	£'000	..	86	-	-	-
Land and existing buildings						
acquisitions	"	..	4	-	-	-
disposals	"	..	-	-	-	-
Plant and machinery(e)						
acquisitions	"	..	3,859	404	29	6
disposals	"	..	689	37	-	-
Vehicles						
acquisitions	"	..	946	105	33	60
disposals	"	..	239	19	5	9

(a) Estimates based on a sample which covered 7 per cent. of the total employment of small private firms in United Kingdom for 1963, and 21 per cent. for 1958. The following information relates to small firms (employing fewer than 25 persons) in Northern Ireland:

	1958	1963
Number of returns	879	738
Average number employed:		
Working proprietors	..	1,009
Other persons employed	..	5,464
Total	6,235	6,473

## PRIVATE FIRMS

Sub-divisions of the industry (b)			Northern Ireland Total	United Kingdom Total					
Remainder of sub-divisions (continued)				Main and sub-contractors	Main contractors		Sub-contractors		Main and sub-contractors
Asphalt and tar spraying contractors	Plant hiring contractors	Other			1958	1963	1958	1963	1958
				1958	1963	1958	1963	1958	1963
161	511	483	879	..	63,798	..	16,574	86,732	80,372
3,825	14,045	4,601	..	..	638,219	..	155,131	..	793,350
2,413	9,011	2,873	4,183	237,275	316,140	45,245	93,302	282,520	409,442
1,333	2,114	1,186	668	660	912	730	983	671	927
3,825(d)	10,898(d)	4,448(d)	8,160	474,346	625,366(d)	76,651	147,849(d)	550,997	773,215(d)
-	3,079	158	272	14,692	10,818	3,684	7,040	18,376	17,858
1,205	3,893	1,434	3,427	199,758	240,422	31,629	52,904	231,387	293,327
4	142	13							
175	199	278	779	49,764	76,845	2,841	7,229	52,605	84,074
29	824	10	42	2,241	3,407	620	1,369	2,861	4,776
-	+ 68	- 4	..	..	+ 2,035	..	+ 242	..	+ 2,277
-	412	96	..	..	14,276	..	2,180	..	16,456
+ 1	+ 24	+ 6	..	..	+ 164	..	+ 114	..	+ 277
24	226	244	..	..	18,323	..	2,887	..	21,210
117	584	350	1,421	82,138	73,958	13,862	21,271	96,000	95,229
1,693	3,679	2,073	4,814	276,907	272,636	48,076	73,608	324,983	346,244
-	85	1	..	..	1,820	..	163	..	1,983
-	-	4	..	..	2,738	..	281	..	3,019
-	-	-	..	..	3,237	..	87	..	3,323
42	3,351	27	..	..	5,730	..	4,430	..	10,160
2	650	-	..	..	474	..	756	..	1,230
88	491	169	..	..	15,659	..	5,076	..	20,735
9	141	56	..	..	4,253	..	1,396	..	5,649

(b) The method of classifying returns to sub-divisions of the industry is explained in the introduction to this report. For 1958 classification to sub-divisions of the industry was not available for Northern Ireland, and the details given relate, therefore to Great Britain.

(c) For 1958 the net output of small firms was defined as the difference between the value of work done, goods produced and sales of merchant goods; and cost of materials and fuel purchased and used, payments for transport, for hire of plant and machinery and for work done on contracts sub-let.

(d) 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).

(e) Including mobile plant.



## PRIVATE FIRMS

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

(i) Output, employment, capital expenditure and stocks

Firms employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry (a)	Enterprises	Returns	Average number employed (a)	Gross output	Net output	Net output per head	Capital expenditure (b)	Total value of stocks at end of year
25-49	2,849	2,849	105,381	228,554	122,008	1,158	6,772	9,751
50-99	2,013	2,017	137,548	318,094	159,777	1,162	7,823	14,593
100-199	927	953	127,023	327,762	152,146	1,198	7,888	15,505
200-299	275	296	66,425	183,434	81,329	1,224	4,587	8,794
300-399	135	145	46,401	128,878	54,596	1,177	3,400	4,875
400-499	77	95	34,568	100,122	45,006	1,302	2,317	5,046
500-749	98	132	60,069	174,548	74,706	1,244	5,384	8,072
750-999	55	93	47,505	144,547	59,356	1,249	3,193	5,208
1,000-1,499	48	98	58,056	194,425	77,572	1,336	5,171	6,572
1,500-1,999	23	49	41,310	121,639	50,052	1,212	2,675	3,229
2,000-2,499	6	8	13,034	45,164	16,497	1,266	1,006	1,954
2,500-2,999	11	29	29,188	95,701	41,809	1,432	3,676	3,468
3,000-3,999	8	19	27,272	86,814	31,864	1,168	1,908	3,968
4,000-4,999	6	23	26,987	106,619	36,691	1,360	3,371	5,739
5,000-7,499	5	21	30,559	109,486	41,622	1,362	2,306	8,515
10,000 and over	4	12	58,519	200,518	72,723	1,243	5,763	16,758
Total	6,540	6,839	909,845	2,566,305	1,117,755	1,229	67,240	122,047

Footnotes to Table 3(A).

(a) Including working proprietors.

(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 £860,000.

## PRIVATE FIRMS

TABLE 3(A) (continued)

(ii) Employees, wages and salaries and employers' contributions

Firms employing 25 or more persons: United Kingdom

Average number employed by the enterprise in the industry (a)	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)
25-49	90,509	12,050	63,767	10,027	3,405	345	705	832
50-99	119,252	16,169	86,480	14,264	4,422	564	725	882
100-199	109,870	16,306	83,395	15,013	4,139	761	759	921
200-299	57,287	8,937	45,179	8,658	2,217	468	789	969
300-399	40,003	6,319	32,263	6,003	1,529	404	807	950
400-499	29,280	5,256	23,402	5,010	1,149	264	799	953
500-749	50,782	9,219	44,389	8,943	2,019	552	874	970
750-999	38,598	8,870	32,324	8,355	1,555	541	837	942
1,000-1,499	47,815	10,211	42,242	10,856	2,014	682	883	1,063
1,500-1,999	33,769	7,519	29,155	7,412	1,500	449	863	986
2,000-2,499	10,733	2,298	8,735	2,056	445	107	814	895
2,500-2,999	23,453	5,735	21,791	5,769	1,131	295	929	1,006
3,000-3,999	21,932	5,340	17,982	5,284	828	267	820	989
4,000-4,999	20,938	6,049	19,001	5,964	880	439	907	986
5,000-7,499	23,740	6,813	20,562	7,636	1,113	377	866	1,121
10,000 and over	44,481	14,030	37,203	13,029	1,990	661	836	929
Total	762,442	141,121	607,869	134,280	30,336	7,175	797	952

For notes to this table - see page 126/18

TABLE 4 (COVERING PARTS A AND B OF THE REPORT)

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

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	7	1	8
18 and over	88	4	92
All ages	95	5	100

Source: Ministry of Labour

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



## PRIVATE FIRMS

TABLE 5(A) Value of construction work done by all firms, including work done by establishments classified to other industries, 1958 and 1963: United Kingdom (a)

	1958		1963	
	All firms (b)	Firms employing 1-24 persons (c)	All firms (b)	Firms employing 1-24 persons (c)
	Value	Value	Value	Value
	£'000	£'000	£'000	£'000
Work done as main or direct contractors and specialist work done for principals	2,091,503	460,974	2,856,974(d)	599,378
Work done as sub-contractors			601,725(d)	129,000
Erection and installation of air conditioning, heating and ventilating plant and machinery	389,313	78,735	(e)	(e)
Hire of plant and machinery (including scaffolding)	(e)	(e)	52,625	13,079
Waste products			1,261	-
<b>Total</b>	<b>2,480,817</b>	<b>539,710</b>	<b>3,512,585</b>	<b>741,457</b>

(a) Including estimated figures for firms not making satisfactory returns.

(b) Including amounts returned by larger firms, but not small firms, classified to other industries.

(c) Estimates based on a sample of small firms which accounted for 7 per cent. of the total employment of small private firms. The figure for 1958 was 20 per cent. In addition to the figures shown, the following figures are estimated for small private firms:

	1958	1963
	£'000	£'000
Other work done	8,530	29,283
Goods made and sold (excluding merchant goods)	2,751	2,475

(d) For 1963 firms were asked to state the value of certain goods made by them and used in their construction work. The following items were returned in this category:

	£'000
Manufactures of fabricated iron and steel	
Portable buildings	13,541
Staircases	914
Storage tanks	355
Pipes and chimneys	722
Bridge components	804
Other fabricated iron and steel	13,711
Space heating ventilating and air conditioning plant, complete and parts	
Ventilators, hoods, booths, cowls, ducting and similar sheet metal	2,345
Other space heating equipment	385
<b>Total</b>	<b>32,777</b>

(e) Not recorded separately.

## PRIVATE FIRMS

TABLE 5(A) SUPPLEMENT Analysis of output of the industry by private firms, 1958 and 1963: Great Britain (a)

	1958	1963
	£ million	£ million
New housing		
For Public Authorities	255.2	323.4
For Private Developers	264.0	460.5
<b>Total new housing</b>	<b>519.2</b>	<b>783.9</b>
Other new work		
For Public Authorities	429.5	584.9
For Private Developers		
Industrial	319.1	336.3
Miscellaneous	204.9	346.2
<b>Total other new work</b>	<b>953.5</b>	<b>1,267.4</b>
Repairs and maintenance	417.9	585.6
<b>Total</b>	<b>1,890.6</b>	<b>2,636.9</b>

Source: Ministry of Public Building and Works

(a) The figures in the table are derived from short-period statistics and supplement the data for private firms given in Tables 5(A) and 6(A). The figures are compiled on a different basis from those given in the other tables in this report as they exclude the amounts (already included in the value of main contractors' work) paid to sub-contractors by main contractors in the industry. They also relate to the calendar year rather than the business year.

TABLE 6(A) Construction work done by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

	1958	1963		Principal industries in which returned
	Value	Value	Entries	
	£'000	£'000	Number	
Work done as main or direct contractors, and specialist work done for principals	30,723	35,471	360	(a)
Work done as sub-contractors	32,196	36,361	402	(a)
Erection and installation of air conditioning, heating and ventilating machinery and plant	4,151	(b)		
<b>Total</b>	<b>67,071</b>	<b>71,832</b>	<b>..</b>	

(a) Work done is widely distributed.

(b) Not recorded separately.



## PRIVATE FIRMS

TABLE 7(A) Sales in the industry, other than those included in the work done shown in Table 5(A), by larger firms, 1958 and 1963

Firms employing 25 or more persons: United Kingdom		
	1958	1963
	Value	Value
	£'000	£'000
Manufactures of iron and steel	2,725	1,249
Mechanical handling equipment, complete and parts	147	286
Other engineering products	840	1,445
Electrical goods	273	747
Miscellaneous metal manufactures	191	1,602
Glass		
Plate and sheet glass	385	754
Leaded lights	78	52
Other manufactures of glass	31	72
Building materials		
Worked stone	140	122
Pre-cast concrete goods	1,438	3,603
Road making materials	1,778	2,833
Tiled hearths and fireplaces	108	392
Other	2,592	1,929
Timber		
Sawmill products	76	82
Builders' wood work	1,967	3,151
Sectional timber buildings	227	475
Manufactured furniture and upholstery	268	132
Shop and office fittings	214	1,333
Wooden boxes, crates and cases	121	219
Miscellaneous wood manufactures	1,321	400
Other goods	5,384	1,897
Services rendered to other organisations (a)	..	3,895
Work done		
Repairs to plant, machinery and vehicles	3,672	9,434
Other work	11,077	4,230
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	32,737	38,520
Canteen takings	1,765	1,962
<b>Total</b>	<b>69,556(b)</b>	<b>80,817</b>

(a) Amounts charged for providing transport and for technical and other services. Hiring out plant, machinery, etc. is a principal activity of this industry and is shown in Table 5(A).

(b) Excluding amounts charged for services rendered to other organisations.

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

This table is not applicable to this industry.

TABLE 9(A) Purchases of selected principal products of the industry by larger firms, 1963

This table is not applicable to this industry.

## PRIVATE FIRMS

TABLE 10(A) Purchases by larger firms in the industry, 1954 and 1963

Firms employing 25 or more persons: United Kingdom

	1954		1963	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Goods used or incorporated in building and civil engineering work or in production				
Bricks	..	36,312	..	53,297
Cement	..	27,644	..	38,438
Plate and sheet glass			..	9,558
Pre-cast concrete goods (excluding roofing tiles, bricks and prefabricated housing units)	..	(a)	..	23,140
	Th.tons		Th.tons	
Steel bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares	794	26,838	1,146	55,749
Iron and steel in other forms except finished parts, wire and scrap			..	6,067
Wrought pipes and tubes and fittings for wrought pipes and tubes (including welded, seamless, conduits, etc.)	126	5,934	117	7,803
Other (including cast iron pipes)	..	1,977	..	4,231
Copper pipes and tubes	287	12,845	163	8,225
Lead pipes	..	1,433	..	4,146
Timber			..	8,976
Softwood, sawn or planed, but not further prepared or manufactured	..	(a)	..	904
Hardwood, sawn or planed, but not further prepared or manufactured	..	32,637(b)	399	39,945
Softwood and hardwood, manufactured or semi-manufactured (i.e. further prepared than sawn or planed, including doors, window frames, fitted cupboards, sectional timber buildings, etc.)	..	4,104(b)	..	7,992
Plywood, including blockboard, laminboard and battenboard			Th.sq.ft.	
Chipboard			72,573	5,671
Hardboard, insulation board, plaster board and similar kinds of board	..	(a)	..	1,222
Paint and varnish (including lacquers and stains)			Th.tons	
Insulated wires and cables (c)	..	22,810	5.4	270
Lubricating oils and greases	..	..	..	376
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	..	(a)	Th.gal.	
All other goods except packaging materials and fuel	..	280,584	5,283	9,653
			Th.cwt.	
			99.0	379
			..	3,986
			Th.gal.	
			3,681	1,209
			Th.cwt.	
			24.9	131
			..	533
			..	27,502
			..	371,925

Continued on next page



## PRIVATE FIRMS

TABLE 10(A) (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Packaging materials	..	(a)	..	533
Fuel and electricity (d)				
Coal, coke (including screenings) and manufactured fuel			..	1,786
Derv fuel and motor spirit for use in road vehicles			..	15,010
Other liquid fuels (including creosote/pitch mixtures, etc.) and liquefied petroleum gases, for use as fuel	..	19,921	..	3,655
Gas			..	716
Electricity			..	5,192
Total cost of materials and fuel		496,338		782,442
Goods purchased for merchanting		..		31,564
Canteen purchases		..		2,001
Total cost of purchases		..		816,017

(a) Not recorded separately.

(b) Including timber for packing case manufacture in 1954.

(c) Described in 1954 as 'Insulated electric wires and cables and other electric materials'.

(d) The total quantity of electricity generated in firms' own establishments in this industry in 1963 was 75,070 Th.kWh. Owing to the risk of disclosure of information relating to individual firms the quantity for 1954 cannot be given.

TABLE 11(A) Transport costs and employment of larger firms, 1963

Firms employing 25 or more persons: United Kingdom

	Unit	1963
Average number employed mainly on transport	No.	24,840
Transport costs		
Wages and salaries	£'000	19,163
Derv fuel and motor spirit	"	15,011
Payments to other organisations for transport	"	14,509
Costs of operating road goods vehicles		
Insurance	"	2,632
Vehicle licences	"	2,168
Depreciation	"	11,602
Payments to other organisations for repairs and maintenance	"	5,046
Total	"	70,130

## PRIVATE FIRMS

TABLE 12(A) Payments for certain services, etc. by larger firms, 1963 (a)

Firms employing 25 or more persons: United Kingdom

	Amounts payable
Repairs and maintenance to	£'000
Buildings	1,370
Road goods vehicles	5,046
Plant, machinery, and other capital equipment	7,887
Insurance, licensing and depreciation of road goods vehicles (b)	16,402
Rates, excluding water rates	4,708
Hire of plant and machinery	43,194
Postage, telephone, telegrams and cables	6,637
Total	85,243

(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(A).

TABLE 13(A) Percentage analysis of twelve-month periods covered by returns from larger firms, 1963

Firms employing 25 or more persons: United Kingdom

Year ended	Percentage of total number employed	Year ended	Percentage of total number employed
1963	Per cent.	1963 (contd.)	Per cent.
April (a)	5.1	November	2.0
May	2.0	December	47.8
June	3.9	1964	
July	1.4	January	3.1
August	1.6	February	2.4
September	7.2	March	19.4
October	4.1	Total	100

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

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

This table is not applicable to this industry.



## PART B

## PUBLIC AUTHORITIES (a)

TABLE 2(i)(B) Analysis of larger undertakings by sub-divisions within the industry, 1958 and 1963

Public authorities employing 25 or more persons: United Kingdom (b)

	Unit	Sub-divisions of the industry (c)				
		Government Departments		Local Authorities		
		1958	1963	1958	1963	
Number of organisations	No.	..	2	..	733	
Number of returns	"	17	3	788	765	
Gross output	£'000	16,362	36,493	181,895	272,022	
Net output	"	12,234	27,120	103,636	174,019	
Net output per head	£	623	773	555	858	
Value of work done and goods produced	£'000	16,362	36,493	181,606	271,852(e)	
Sales of merchanted goods and canteen takings	"	-	-	289	165	
Purchases	materials and fuel	3,759	9,257	68,895	87,961	
			goods for merchenting and canteen purchases		-	111
					for transport	56
Payments to other organisations	for work done on contracts sub-let	-	-	-	-	
	for the hire of plant and machinery	309	-	2,983	5,980	
Stocks						
Goods on hand for sale	change during year	..	-	..	+ 5	
	at end of year	..	-	..	62	
Materials, stores and fuel	change during year	- 4	- 115	+ 13	+ 1,445	
	at end of year	2,000	5,631	13,147	18,093	
Average number employed	total	No. 19,634	35,083	186,602	202,835	
	operatives	" 17,752	31,322	165,573	180,966	
	other employees (f)	" 1,882	3,761	21,029	21,869	
Wages and salaries	of operatives	£'000 9,453	22,062	83,815	119,543	
	of other employees (f)	" 1,592	3,988	14,819	20,531	
Wages and salaries per head	operatives	£ 533	704	506	661	
	other employees (f)	" 846	1,060	705	939	
Employers' contributions to National Insurance (g)	£'000	..	1,113	..	5,891	
Employers' contributions to private pension schemes, etc. (h)	"	..	1	..	5,995	
Capital expenditure (i)						
New building work	"	23	7	1,306	2,098	
Land and existing buildings	acquisitions	..	-	..	424	
	disposals	..	-	..	119	
Plant and machinery (j)	acquisitions	" 227	67	1,584	3,044	
	disposals	" 177	6	54	98	
Vehicles	acquisitions	" 66	1	1,435	2,397	
	disposals	" 4	-	93	109	

For notes to this table - see page 126/27

## PUBLIC AUTHORITIES (a)

	Sub-divisions of the industry (c)		Total	
	Other			
	1958(d)	1963	1958(d)	1963
	..	5	..	740
	41	14	846	782
	54,045	7,354	252,303	315,869
	14,583	4,862	130,453	206,001
	2,206	988	613	848
	54,041	7,353	252,010	315,698(e)
	4	-	293	166
	881	2,258	73,535	99,476
		-		111
	59	88	6,509	5,484
	38,383	-	38,383	-
	7	136	3,299	6,117
	..	-	..	+ 5
	..	-	..	62
	- 133	- 9	- 124	+ 1,321
	467	231	15,614	23,955
	6,610	4,922	212,846	242,840
	4,472	4,587	187,797	216,875
	2,138	335	25,049	25,965
	2,227	3,127	95,495	144,731
	1,568	294	17,979	24,813
	498	682	509	667
	734	878	718	956
	..	153	..	7,158
	..	54	..	6,050
	1,536	4	2,865	2,109
	..	-	..	424
	..	-	..	119
	1,038	42	2,848	3,153
	430	8	660	111
	18	25	1,519	2,423
	6	5	103	114

## Footnotes to Table 2(i)(B).

(a) The figures cover the construction work carried out by persons directly employed by Government Departments, Local Authorities and publicly owned undertakings. The figures exclude construction work carried out by undertakings in Coal Mining and in the Gas, Electricity and Water industries (separate figures for which are given in the individual reports for these industries) and by public undertakings in the industries outside the scope of this census (e.g. by civil engineering Departments of the British Transport Commission). The housing departments of the National Coal Board are included but the opencast mining activities of the Board are included for 1958 only.

(b) For small firms' summary see Table 2(ii) B.

(c) The method of classifying returns to sub-divisions of the industry is explained in the introduction to this report.

(d) For 1958 only, the figures include the opencast coal mining activities of the National Coal Board.

(e) 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).

(f) Administrative, technical and clerical employees.

(g) Including both flat rate and graduated contributions.

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

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

(j) Including mobile plant.



## PUBLIC AUTHORITIES

TABLE 2(ii)(B) Summary for small undertakings, 1958 and 1963

Public authorities employing fewer than 25 persons: United Kingdom(a)

	Unit	1958	1963
Number of returns	No.	639	701
Gross output	£'000	..	9,087
Net output	"	3,785(b)	6,278
Net output per head	£	493(b)	724
Value of work done and goods produced	£'000	6,012	9,084(c)
Sales of merchant goods	"	5	2
Purchases of goods and fuel	"	2,174	2,752
Payments to other organisations	"		
for transport	"	24	54
	for work done on contracts sub-let		
for the hire of plant and machinery	"	33	62
	"		
Stocks			
Goods on hand for sale	change during year	..	+ 1
	at end of year	..	2
Materials, stores and fuel	change during year	..	+ 60
	at end of year	..	957
Total average number employed	No.	7,677	8,673
Capital expenditure			
New building work	£'000	..	24
Land and existing buildings	acquisitions	..	21
	disposals	..	8
Plant and machinery (d)	acquisitions	..	75
	disposals	..	2
Vehicles	acquisitions	..	226
	disposals	..	10

(a) Including estimates for small public authorities returning employment only or making unsatisfactory returns, which account for 43 per cent. of the figures shown for 1963, and 14 per cent. for 1958. The following information relates to small public authorities in Northern Ireland.

	1958	1963
Number of returns	37	38
Average number employed	288	545

(b) For 1958 the net output of small authorities was defined as the difference between the value of work done, goods produced and sales of merchant goods; and the cost of materials, fuel purchased and used, payments for transport, for hire of plant and machinery and for work done on contracts sub-let.

(c) Including services rendered to other organisations (amounts charged for providing transport, or for technical or other services rendered) etc. which amounted to £34,000.

(d) Including mobile plant.

## PUBLIC AUTHORITIES

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

(i) Output, employment, capital expenditure and stocks

Public authorities employing 25 or more persons: United Kingdom

Average number employed by the undertaking in the industry	Under-takings	Returns	Average number employed	Gross output	Net output	Net output per head	Capital expenditure (a)	Total value of stocks at end of year
	Number	Number	Number	£'000	£'000	£	£'000	£'000
25-49	156	156	5,738	6,481	4,724	823	193	700
50-99	200	200	14,280	18,514	11,737	822	489	1,531
100-199	145	147	19,779	23,954	16,982	859	705	1,932
200-299	68	70	16,408	20,331	13,740	837	656	1,610
300-399	43	44	15,216	19,924	12,654	832	527	1,197
400-499	26	27	11,793	15,436	10,321	875	509	1,001
500-749	42	44	25,214	36,760	20,698	821	1,134	2,097
750-999	20	24	16,836	25,007	14,891	884	463	1,497
1,000-1,499	20	25	23,990	37,082	22,544	940	1,133	1,919
1,500-1,999	9	13	15,484	23,540	13,771	889	803	1,325
2,000-2,499	3	3	6,522	10,351	5,677	870	399	573
2,500-4,999	4	18	15,367	17,759	13,076	851	338	1,070
5,000 and over	4	11	56,213	62,731	45,187	803	418	7,567
Total	740	782	242,840	315,869	206,001	848	7,766	24,017

(ii) Employees, wages and salaries and employers' contributions

Public authorities employing 25 or more persons: United Kingdom

Average number employed by the undertaking in the industry	Employees		Wages and salaries		Employers' contributions		Wages and salaries per head	
	Operatives	Others (b)	Operatives	Others (b)	National Insurance (c)	Private pension schemes, etc. (d)	Operatives	Others (b)
	Number	Number	£'000	£'000	£'000	£'000	£	£
25-49	5,016	722	3,165	621	168	137	630	860
50-99	12,489	1,791	7,874	1,630	413	357	630	910
100-199	17,531	2,248	11,284	2,040	573	636	644	908
200-299	14,585	1,823	9,435	1,670	479	471	647	916
300-399	13,517	1,699	8,968	1,674	429	432	663	985
400-499	10,388	1,405	6,794	1,318	350	361	654	938
500-749	22,321	2,893	14,459	2,811	709	840	648	972
750-999	15,082	1,754	9,842	1,602	507	526	653	913
1,000-1,499	21,653	2,337	13,529	2,209	695	750	625	945
1,500-1,999	13,841	1,643	9,423	1,604	403	328	681	976
2,000-2,499	5,659	863	3,936	936	212	238	695	1,084
2,500-4,999	14,004	1,363	9,104	1,238	444	493	650	908
5,000 and over	50,789	5,424	36,919	5,460	1,775	483	726	1,006
Total	216,875	25,965	144,731	24,813	7,158	6,050	667	956

(a) Acquisitions less disposals.

(b) Administrative, technical and clerical employees.

(c) Including both flat rate and graduated contributions.

(d) Including pensions and gratuities paid other than from pension funds. These amounted in total to £1,257,000.

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

This table, covering parts A and B of the report, is shown following Table 3(A) in part A.



PUBLIC AUTHORITIES

TABLE 5(B) Value of construction work done by all undertakings, including work done by undertakings classified to other industries, 1958 and 1963: United Kingdom

	1958		1963	
	All undertakings (a)	Undertakings employing 1-24 persons (a)	All undertakings (a)	Undertakings employing 1-24 persons (b)
	Value	Value	Value	Value
	£'000	£'000	£'000	£'000
Work done as main or direct contractors and specialist work done for principals	259,035	5,571	325,663	8,753
Work done as sub-contractors		27	178	69
Erection and installation of air conditioning, heating and ventilating plant and machinery	363	-	(d)	(d)
Hire of plant and machinery (including scaffolding)	(d)	(d)	84	17
Waste products			76	-
<b>Total</b>	<b>259,399(e)</b>	<b>5,598</b>	<b>326,002</b>	<b>8,839</b>

- (a) Including estimates for undertakings not making satisfactory returns.
- (b) Including estimates for undertakings returning employment only, and for unsatisfactory returns.
- (c) In addition to the figures shown, the following figures are estimated for small public undertakings:

	1958	1963
	£'000	£'000
Other work done	408	244
Goods made and sold (excluding merchanted goods)	6	1

- (d) Not recorded separately.
- (e) No construction work was recorded by undertakings classified to other industries in 1958.

TABLE 6(B) Construction work done by undertakings classified to other industries, 1958 and 1963

The value of construction work done by public authorities classified to other industries for 1963 was £353,218. No similar work was recorded for 1958.

PUBLIC AUTHORITIES

TABLE 7(B) Sales in the industry, other than those included in the work done shown in Table 5(B), by larger undertakings, 1958 and 1963

Public authorities employing 25 or more persons: United Kingdom

	1958	1963
	Value	Value
	£'000	£'000
Paving or roadmaking materials	157	52
Builders' woodwork not separately distinguished	1	4
Wooden furniture and joinery not separately distinguished	14	31
Electricity	1	-
Other products including building materials not separately distinguished	30	80
Services rendered to other organisations (a)	..	664
<b>Work done</b>		
Erection of machinery and plant, other than air conditioning, heating and ventilating	23	6
Other work done	154	741
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	277	153
Canteen takings	16	13
<b>Total</b>	<b>673(b)</b>	<b>1,744</b>

- (a) Amounts charged for providing transport and for technical and other services. Hiring out plant, machinery, etc. is a principal activity of this industry and is shown in Table 5(B).
- (b) Excluding amounts charged for services rendered to other organisations.

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

This table is not applicable to this industry.

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

This table is not applicable to this industry.



## PUBLIC AUTHORITIES

TABLE 10(B) Purchases by larger undertakings in the industry, 1954 and 1963  
Public authorities employing 25 or more persons: United Kingdom

	1954		1963	
	Quantity	Cost	Quantity	Cost
Goods used or incorporated in building and civil engineering work or in production		£'000		£'000
Bricks	..	2,953	..	3,553
Cement	..	2,003	..	3,001
Plate and sheet glass			..	612
Pre-cast concrete goods (excluding roofing tiles, bricks and prefabricated housing units)	..	(a)	..	4,126
	Th.tons		Th.tons	
Steel bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares	5.4	215	13.6	984
	..	50		
Iron and steel in other forms except finished parts, wire and scrap				
Wrought pipes and tubes and fittings for wrought pipes and tubes (including welded, seamless, conduits, etc.)	4.4	248	4.2	470
	..	108		
Other (including cast iron pipes)	7.1	307	7.6	619
Copper pipes and tubes			..	859
Lead pipes	..	(a)	..	265
Timber			Th.stds.	
Softwood, sawn or planed, but not further prepared or manufactured	..	2,804(b)	33.5	3,555
			Th.cu.ft.	
Hardwood, sawn or planed, but not further prepared or manufactured	..	324(b)	430	542
Softwood and hardwood, manufactured or semi-manufactured (i.e. further prepared than sawn or planed, including doors, window frames, fitted cupboards, sectional timber buildings, etc.)	..	1,346	..	2,213
			Th.sq.ft.	
Plywood, including blockboard, laminboard and battenboard			4,444	370
Chipboard			..	53
Hardboard, insulation board, plaster board and similar kinds of boards	..	(a)	..	647
			Th.gal.	
			1,702	2,754
			Th.cwt.	
			53.6	187
			..	167
Paint and varnish (including lacquers and stains)			..	783
Insulated wires and cables (c)	..	1,598	..	783
			Th.gal.	
			667	186
Lubricating oils and greases	..	..	Th.cwt.	
			3.1	18
			..	23
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	..	(a)	..	3,606
All other goods except packaging materials and fuel	..	48,018	..	64,597

## PUBLIC AUTHORITIES

TABLE 10(B) (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Packaging materials	..	(a)	..	8
Fuel and electricity (d)				
Coal, coke (including screenings) and manufactured fuel			..	648
Derv fuel and motor spirit for use in road vehicles			..	2,778
Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases, for use as fuel)	..	4,184	..	326
Gas			..	236
Electricity				1,244
Total cost of materials and fuel		64,158		99,433
Goods purchased for merchandising		..		98
Canteen purchases		..		13
Total cost of purchases		..		99,543

(a) Not recorded separately.

(b) Including timber for packing case manufacture in 1954.

(c) Described in 1954 as 'Insulated electric wires and cables and other electric materials'.

(d) No electricity was generated in this industry in 1954. Owing to the risk of disclosure of information relating to individual undertakings the quantity of electricity generated in 1963 cannot be given.

TABLE 11(B) Transport costs and employment of larger undertakings, 1963

Public authorities employing 25 or more persons: United Kingdom

	Unit	1963
Average number employed mainly on transport	No.	11,024
Transport costs		
Wages and salaries	£'000	7,633
Derv fuel and motor spirit	"	2,778
Payments to other organisations for transport	"	5,484
Costs of operating road goods vehicles		
Insurance	"	197
Vehicle licences	"	500
Depreciation	"	1,608
Payments to other organisations for repairs and maintenance	"	490
Total	"	18,690



## PUBLIC AUTHORITIES

TABLE 12(B) Payments for certain services, etc. by larger undertakings, 1963 (a)

Public authorities employing 25 or more persons: United Kingdom

	Amounts payable £'000
Repairs and maintenance to	
Buildings	1,161
Road goods vehicles	490
Plant, machinery, and other capital equipment	597
Insurance, licensing and depreciation of road goods vehicles (b)	2,305
Rates, excluding water rates	818
Hire of plant and machinery	6,116
Postage, telephone, telegrams and cables	599
<b>Total</b>	<b>12,086</b>

(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(B).

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

Public authorities employing 25 or more persons: United Kingdom

Year ended	Percentage of total number employed	Year ended	Percentage of total number employed
1963	Per cent.	1963 (contd.)	Per cent.
April (a)	1.0	November	-
May	5.4	December	5.5
June	-	1964	
July	-	January	-
August	-	February	-
September	-	March	88.1
October	-	Total	100

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

TABLE 14(B) Sales of all parts of machinery and plant by larger undertakings, including sales by undertakings 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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