

## 88 Hand tools and implements

This Report on the Hand Tools and Implements Industry relates to establishments engaged wholly or mainly in manufacturing chisels, hammers, saws, axes, shears (including sheep shears but excluding tailors' shears), scythes, spades, agricultural forks, hoes, rakes, spanners, wrenches, vices and other hand tools and tool accessories. Power tools and engineers' small tools are excluded.

This industry corresponds to minimum list heading 391 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census.

The industry corresponds to the Tools and Implements Industry (Part 68) in the Reports on the last detailed Census of Production for 1963, except that cutting tools for use on woodworking machinery included in the 1963 report on the Miscellaneous (Non-electrical) Machinery Industry (Part 49) are now included in this industry as are woodboring machine bits which were included in the 1963 report on the Engineers' Small Tools and Gauges Industry (Part 43).

Throughout this Report, the figures given for 1963 have been reclassified, as far as possible, according to the Standard Industrial Classification (Revised 1968) so that data for 1963 and 1968 are on the same industrial basis. However the reclassification of small firms, which provided limited information only, has been arbitrary.

In this industry, where small establishments account for a relatively large proportion of employment and output, establishments employing fewer than twenty-five persons were asked to complete a simplified version of the full census form for 1968. For 1963 a sample of small firms was asked to complete the simplified census form, the remainder being required only to give information on employment and description of business.

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



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TABLE 1 Industry summary, 1963 and 1968  
United Kingdom

	Unit	All establishments (a)		Small establishments (b)		
		1963	1968	1963	1968	
Number of enterprises	No.	517	346	412	254	
Number of establishments	"	554	384	416	260	
Gross output	£'000	41,054	47,293	7,258	6,334	
Net output	"	22,662	26,266	3,902	3,418	
Net output per head	£	1,094	1,407	992	1,490	
Sales and work done	{ goods produced and work done (c)	£'000	36,818	43,349	6,421	5,603
	{ merchanted goods and canteen takings	"	4,056	3,938	802	698
Purchases	{ materials for use in production and packaging, and fuel	"	13,753	17,096	3,111	2,143
	{ goods for merchenting and canteen purchases	"	3,351	3,022		
Payments to other organisations	{ for work done on materials given out for transport	"	669	549	153	139
	{ by road	"	503	364	73	54
	{ by rail and other means excluding postal services	"				
Stocks and work in progress						
Total stocks and work in progress	{ change during year	"	+ 63	+ 233	+ 15	+ 25
	{ at end of year	"	8,698	11,667	978	1,021
Goods on hand for sale	{ change during year	"	+ 121	- 405	- 24	+ 2
	{ at end of year	"	3,230	4,273	173	232
Work in progress	{ change during year	"	+ 59	+ 411	+ 58	+ 29
	{ at end of year	"	1,867	3,105	201	243
Materials, stores and fuel	{ change during year	"	- 117	+ 226	- 19	- 6
	{ at end of year	"	3,602	4,289	603	546
Number employed on average during the year	{ total, including working proprietors	Th.	20.7	18.7	3.9	2.3
	{ operatives	"	16.3	14.6	2.7	1.6
	{ other employees (d)	"	3.8	3.7	0.6	0.4
Wages and salaries	{ of operatives	£'000	9,149	11,087	1,516	1,342
	{ of other employees (d)	"	3,276	3,821	543	339
Capital expenditure (e)						
Total	"	1,562	1,606	268	205	
New building work	"	671	306	65	34	
Land and existing buildings (f)	"	- 95	88	-	23	
Plant and machinery (f)	"	832	1,001	146	81	
Vehicles (f)	"	154	210	56	67	

(a) For 1968 estimates are based on returns covering 89 per cent. of the employment shown. For 1963, where only a sample of establishments were asked to supply the full range of information, the figures, except for employment, were estimated on the basis of the full returns made which accounted for 83 per cent. of the employment shown.

(b) For 1968 estimates are based on returns covering 50 per cent. of the employment shown. For 1963, where only a sample of small establishments were asked to supply the full range of information, the corresponding figure was 21 per cent.

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

(d) Administrative, technical and clerical employees.

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

(f) Acquisitions less disposals.



TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab-lish-ments	Enter-prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
	Number	Number	Number	£'000	£'000	£
1-5	107	102	309	6,334(c)	3,418(c)	1,490(c)
6-10	64	64	496			
11-24	89	86	1,489			
25-49	34	34	1,222	3,202	1,781	1,457
50-99	36	36	2,490	5,853	2,938	1,180
100-199	21	16	3,022	8,187	4,826	1,595
200-299	10	10	2,473	6,550	3,527	1,426
300 and over	9	7	6,241	14,848	8,486	1,360
Unsatisfactory returns	14	9	926	2,319(d)	1,294(d)	1,398(d)
Total	384	346	18,668	47,293	26,266	1,407

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Employees		Wages and salaries		Wages and salaries per head	
	Oper-atives	Others (e)	Oper-atives	Others (e)	Oper-atives	Others (e)
	Number	Number	£'000	£'000	£	£
1-5	1,642(c)	358(c)	1,342(c)	339(c)	818(c)	948(c)
6-10						
11-24						
25-49	961	238	759	250	790	1,050
50-99	2,041	413	1,454	429	712	1,039
100-199	2,478	538	1,823	591	736	1,098
200-299	1,991	481	1,541	532	774	1,105
300 and over	4,740	1,501	3,615	1,483	763	988
Unsatisfactory returns	732(d)	190(d)	553(d)	197(d)	755(d)	1,036(d)
Total	14,585	3,719	11,087	3,821	760	1,027

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Estimates for all small establishments based upon returns received.

(d) Estimates for unsatisfactory returns in respect of larger establishments based on returns received.

(e) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	4	2	6
18 and over	61	33	94
All ages	65	35	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification, (Revised 1968).

## Footnotes to Table 4.

- (a) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These amounted to 12 establishments in 1968 and 9 in 1963.
- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5(ii).
- (c) The sum of the figures for the sub-divisions exceeds 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 or other goods, for providing transport, or for technical or other services rendered).
- (e) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £5,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to specific sub-divisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (h) Administrative, technical and clerical employees.
- (i) Excluding expenditure for establishments not yet in production.
- (j) Acquisitions less disposals.



TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

	Unit	Sub-divisions of the industry (b)		Sub-divisions of the industry (b)				Total	
		Files and rasps 01		Edge and similar tools 02	Other tools and implements 03		1963	1968	
		1963	1968	1963	1968	1963			1968
Number of enterprises (c)	No.	16	12	47	48	45	36	105	94
Number of establishments	"	17	14	67	69	54	39	138	122
Gross output	£'000	2,328	2,722	18,736	20,508	12,211	15,889	33,275	39,120
Net output	"	1,466	1,648	9,974	10,899	7,029	9,291	18,468	21,839
Net output per head	£	812	1,007	1,237	1,385	1,055	1,518	1,117	1,398
Sales and work done	£'000	goods produced and work done (d)(e)		16,135	19,164	11,512	14,203	29,926	36,028
		merchanted goods and canteen takings		2,446	1,643	690	1,438	3,206	3,112
Sales of characteristic products	"	1,492	1,635	13,408	15,326	(f)	(f)	(f)	(f)
Index of specialisation (g)	Per cent.	65	61	83	80	..	..	92	89
Purchases	£'000	materials for use in production and packaging, and fuel		6,323	7,797	4,054	5,464	11,079	14,237
		goods for merchandising and canteen purchases		2,051	1,338	593	1,000	2,700	2,377
		for work done on materials given out for transport		103	244	358	139	509	398
Payments to other organisations	"	by road		244	209	141	67	424	297
		by rail and other means excluding postal services			38		18		93
Stocks and work in progress									
Goods on hand for sale	"	change during year		+ 137	- 455	+ 28	+ 56	+ 141	- 384
		at end of year		264	341	1,709	1,807	1,026	1,685
Work in progress	"	change during year		+ 19	+ 157	- 19	+ 192	+ 2	+ 363
		at end of year		188	221	811	1,336	638	1,164
Materials, stores and fuel	"	change during year		- 41	+ 59	- 36	+ 163	- 96	+ 219
		at end of year		174	156	1,538	1,982	1,239	1,438
Number employed on average during the year	No.	total, including working proprietors		8,062	7,867	6,664	6,120	16,532	15,624
		operatives		6,483	6,211	5,386	4,754	13,367	12,350
		other employees (h)		300	242	1,554	1,628	1,245	1,337
Wages and salaries	£'000	of operatives		3,785	4,687	2,976	3,713	7,517	9,322
		of other employees (h)		238	261	1,351	1,687	1,101	1,375
Wages and salaries per head	£	operatives		584	755	553	781	562	755
		other employees (h)		794	1,076	870	1,036	884	1,029
Capital expenditure (i)									
New building work	£'000	8	1	274	166	313	93	595	260
Land and existing buildings	"	acquisitions		74(j)	24(j)	39	40(j)	101	101
		disposals				62		194	38
Plant and machinery	"	acquisitions		437	537	244	300	738	908
		disposals		48	13	14	5	63	33
Vehicles	"	acquisitions		114	136	55	107	179	249
		disposals		5	4	53	65	25	40

For notes to this table - see page 88/5.



TABLE 5(i) Estimates of total sales of principal products of the industry, 1963 and 1968 (a)

All establishments: United Kingdom

	All establishments (b)		Small establishments in the industry (c)	
	1963	1968	1963	1968
	£'000	£'000	£'000	£'000
Saws and saw blades (other than engineers' circular saws and bandsaws for metal and blades therefor, slitting saws and hacksaw blades and surgical saws)	2,180	3,455	560	605
Agricultural, horticultural and other heavy edge tools	10,064	12,098	706	981
Light edge tools and other carpenters' and builders' tools	7,748	7,316	688	518
Files and rasps, spanners and wrenches, pliers, pincers, nippers, wire strippers, bench vices (not machine) and all other engineers' and similar hand tools (excluding cutting and forming small tools and parts therefor, and lifting jacks)	9,448	13,346	1,260	359
Other products (including waste products) (d)	10,216	10,767	2,162	1,949
Work done	1,221	1,387	853	769
<b>Total</b>	<b>40,878</b>	<b>48,369</b>	<b>6,230</b>	<b>5,180</b>

(a) Including estimates for establishments not making satisfactory returns.

(b) Including sales of principal products of the industry by larger establishments, but not by small establishments, classified to other industries. For a detailed analysis of sales by larger establishments see Table 5(ii).

(c) Excluding small establishments included in returns made by larger establishments.

(d) Including any sales by small establishments of goods other than principal products of the industry but excluding merchant goods, canteen takings and the value of services rendered to other organisations.

TABLE 5(ii) Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

Industry sub-division (a)	1963		1968				
	Quantity	Value	Quantity	Value	Enterprises	Entries	
	Thousands	£'000	Thousands	£'000	Number	Number	
01	Files and rasps						
	Precision files	3,189	385	4,646	586	6	6
	Other files and rasps of all types	11,271	1,431	7,560	1,168	} 23	} 23
		..	307	..	402		
	<b>Total files and rasps</b>	<b>14,460</b>	<b>1,815</b>	<b>12,206</b>	<b>1,755</b>	..	..
		..	307	..	402		
02	Saws and saw blades (other than engineers' circular saws and bandsaws for metal and blades therefor, slitting saws and hacksaw blades, surgical saws and portable power driven saws) (b)						
	Saws for use by hand and blades therefor						
	Hand, back, crosscut, pit and tubular frame saws	386	143	1,469	788	} 14	} 15
		..	453	..	208		
	Other (including hacksaw frames)	1,560	363	1,991	700	} 13	} 13
		..	114	..	144		
	Blades sold separately for use in machines						
	Wood-cutting bandsaw blades	57.6	26	71	141	} 10	} 10
		..	190	..	108		
	Circular saw blades for wood-cutting (except blades fitted with toothed segments of metal and toothed segments therefor) and other machine saw blades (c)	342	134	1,265	627	} 11	} 11
		..	178	..	49		
	<b>Total saws and saw blades (other than engineers' circular saws and bandsaws for metal and blades therefor, slitting saws and hacksaw blades, surgical saws and portable power driven saws)</b>	<b>2,346</b>	<b>666</b>	<b>4,796</b>	<b>2,256</b>	..	..
		..	935	..	509		
02	Agricultural, horticultural and other heavy edge tools						
	Axes, hatchets and adzes	618	327	337	222	6	6
	Matchets (including cutlasses, pengas and dhaws)	7,260	900	6,501	1,107	*	*
	Forks						
	Digging, potato, manure, trenching and beet	749	652	698	745	8	9
	Ballast, stone, coke, hay, etc weeding forks and garden trowels	139	123	} 523	} 261	9	11
		..	92				
	Hammers	2,304	739	} 2,645	} 1,514	14	15
		..	94				
	Plantation hoes (ie tanged and eyed) including kaffir picks, tanged mamooty, kodallies, jembies and the like, and other patterns (including Dutch Paxton and torpedo, garden and field)	316	76	} ..	} 1,194	9	10
		..	68(d)				

Continued on next page.



TABLE 5(ii) (continued)

Industry sub-division (a)	1963		1968			
	Quantity	Value	Quantity	Value	Enterprises	Entries
02	Thousands	£'000	Thousands	£'000	Number	Number
Agricultural, horticultural and other heavy edge tools (continued)						
Scythes, sickles and hooks	396	159	..	291	6	6
Shears (excluding sheep shears for use by hand and tailors' shears) (e)	..	137				
Garden, border, lawn, lopping or pruning	..	599	..	838	8	9
Tinmen's	390	135	467	213	*	*
Shovels and spades	3,036(f)	1,634	1,655	1,363	12	13
Secateurs and horticultural and agricultural tools not elsewhere specified	..	444	..	507		
Total agricultural, horticultural and other heavy edge tools		3,021	..	2,346	21	22
		9,200		10,602	..	..
02						
Light edge tools and other carpenters' and builders' tools						
Augers, auger bits and other woodboring tools for hand use	..	938	..	619	7	7
Wood chisels and gouges	..	425	..	737	12	12
Cold chisels	..	292	..	324	14	15
Screwdrivers	3,780	820	5,883	1,349	18	19
Planes of wood or metal			1,017	1,285	8	8
Trowels (builders', plasterers', pointing, etc but excluding garden trowels) and carpenters' and joiners' tools not elsewhere specified	..	4,478	..	2,311	20	20
Total light edge tools and other carpenters' and builders' tools		6,953		6,625	..	..
03						
Spanners and wrenches						
Drop-forged, double and single-ended spanners	..	3,448	..	2,814	12	12
Adjustable	..		..	744	8	8
Other	..		..	1,502	30	30
03						
Pliers, pincers, nippers and wire strippers	..	942	..	1,270	16	17
03						
Engineers' and similar hand tools (excluding lifting jacks) not elsewhere specified						
Bench vices (not machine)	..	1,536	517	1,213	11	11
All other engineers' and similar hand tools	..		..	165		
			..	1,595	39	39
03						
Other types of hand tools and implements (including sheep shears for use by hand, blow lamps and brazing lamps, drills, hand or breast, glass cutters, measuring tapes, rules of all types, spirit levels and any other hand tools not specified above)	..	5,727	..	6,981	63	65

TABLE 5(ii) (continued)

Industry sub-division (a)	1963		1968			
	Quantity	Value	Quantity	Value	Enterprises	Entries
		£'000		£'000	Number	Number
03						
Tool blanks and parts of tools not elsewhere specified	..	1,241	..	572	11	11
02						
Woodboring machine bits, cutters and cutting tools of all types (excluding saws) for use in wood-working machinery	..	505	..	520	13	14
Other products	..	370	..	77	8	8
Waste products	Th. tons		Th. tons			
Scrap iron and steel	12.8	105	8.6	76	57	60
	..	63	..	33		
Other waste products	..	16	..	17	11	12
Work done						
Repair work		753		497	14	14
Other work done				86	12	13
Total		34,583		40,312	..	..
Sales in other industries (see Table 6)		7,145		8,129	..	..
Principal products of this industry sold by establishments in the industry		27,438		32,183	94	102(g)

- (a) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger establishments, not merely sales by establishments classified to the sub-division.
- (b) Engineers' circular saws and bandsaws for metal and blades therefor, slitting saws and hacksaw blades are included in the report on the Engineers' Small Tools and Gauges Industry (Part 87), surgical saws in the Surgical Instruments and Appliances Industry (Part 69) and portable power driven saws in the Miscellaneous (Non-electrical) Machinery Industry (Part 63).
- (c) Circular saw blades fitted with toothed segments are included in the report on the Engineers' Small Tools and Gauges Industry (Part 87).
- (d) Excluding plantation hoes (ie tanged and eyed), which are included with 'Secateurs and horticultural and agricultural tools not elsewhere specified' for 1963.
- (e) Tailors' shears are included in the report on the Cutlery, Spoons, Forks and Plated Tableware Etc Industry (Part 89).
- (f) Amended figure.
- (g) This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.



TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963		1968			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Thousands	£'000	Thousands	£'000	Number	
Files and rasps	1,428	266	..	471	9	44, 50, 65, 87
Saws and saw blades (other than engineers' circular saws and band-saws for metal and blades therefor, slitting saws and hacksaw blades, surgical saws and portable power driven saws)	..	159	..	..	..	..
Saws for use by hand and blades therefor	1,801	516	1,913	817	12	44, 50, 65, 87
Blades sold separately for use in machines	..	174	..	178	..	..
Agricultural, horticultural and other heavy edge tools	..	..	1,030	297	5	87, 89
Light edge tools and other carpenters' and builders' tools	..	1,712	..	50	..	..
Unclassified types of hand tools and implements	..	284	..	1,905	9	50, 82, 87, 89
Spanners and wrenches	..	211	..	315	8	46, 87, 135, 136
Engineers' and similar hand tools (including bench vices but excluding machine vices and lifting jacks), pliers, pincers, nippers and wire strippers and other types of hand tools and implements (including sheep shears for use by hand, blow lamps and brazing lamps, drills, hand or breast, glass cutters, measuring tapes, rules of all types, spirit levels and any other hand tools not specified above)	..	..	..	169	10	(b)
Tool blanks and parts of tools not elsewhere specified	..	3,823	..	855	19	52, 87, 89, 95
Woodboring machine bits, cutters, and cutting tools of all types (excluding saws) for use in wood-working machinery	..	..	..	2,667	52	(b)
Total		7,145		8,129	..	

(a) The references given are to the list of industries at the front of this report.

(b) Production is widely distributed.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963	1968
	Value	Value
	£'000	£'000
Steel manufacture	315	219
Engineers' small tools and gauges	616	936
Non-electrical industrial machinery	526	513
Cutlery (including knives for use in machines)	443	944
Nuts, bolts and taper pins	..	278
Wire manufactures	298	193
Miscellaneous metal manufactures	..	257
Other products	280	505
Services rendered to other organisations (a)	9	-
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	3,115	3,026
Canteen takings	91	86
Total	5,694	6,958

(a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.



TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968  
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000
<b>Materials for use in production</b>				
Iron castings	4.8	450	5.6	694
Steel	..	103	..	..
Ingots, blooms, billets, slabs, and sheet and tinplate bars	3.3	178	5.8	519
Bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares	..	692	..	99
Plates, 3mm. thick and over	0.8	50	0.5	29
Sheets under 3mm. thick (including electrical sheets)	3.3	169	3.3	210
Drop forgings	2.4	576	3.1	805
..	..	83	..	..
Iron and steel not elsewhere specified including hoop and strip, forgings (except drop forgings) and castings, but excluding finished parts, wire and scrap	2.8	213	..	1,621
..	..	225	..	..
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap				
Aluminium and aluminium alloys	0.2	71	0.2	83
..	..	..	..	41
Copper (including cadmium copper), brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys (a))	0.4	137	..	259
Bolts, rivets, nuts and washers, screws, nails, tacks, etc	..	(b)	..	173
Paint and varnish (including lacquers and stains)	..	..	..	154
Hardwood, sawn or planed, but not further prepared or manufactured	Th. cu. ft.		Th. cu. ft.	
..	146	189	166	270
..	..	26	..	82
Purchased components for incorporation in firms' own products				
Wooden handles for tools and implements	..	791	..	742
Other components not elsewhere specified, except those of rubber	..	(b)	..	1,454
Lubricating oils and greases (including cutting oils and emulsions)	Th. gal.		Th. gal.	
..	90.2	26	90.7	33
..	Th. cwt.		Th. cwt.	
..	0.4	4	1.5	5
..	..	17	..	8
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement				
Tyres and other spare parts for firms' own road goods vehicles	..	540	..	21
Other	..	..	..	450
All other materials for use in production	..	2,427	..	2,144

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
<b>Packaging materials</b>				
Containers wholly or mainly of wood (including plywood boxes and drums), baskets and wickerwork crates	..	196	..	133
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	..	420	..	540
All other packaging materials	..	..	..	157
<b>Fuel and electricity (c)</b>				
	Th. tons		Th. tons	
Coal	6.2	35	2.6	17
..	..	7	..	4
Coke (including screenings) and manufactured fuel	4.0	34	1.9	24
..	..	7	..	6
	Th. gal.		Th. gal.	
Derv fuel and motor spirit for use in road vehicles	157	33	195	57
..	..	15	..	21
Other liquid fuels (including creosote/pitch mixtures, etc, and liquefied petroleum gases)	2,501	121	3,239	186
..	..	38	..	25(d)
	Th. therms		Th. therms	
Gas	3,584	201	1,056	89
..	..	92	..	194
	Th. kWh		Th. kWh	
Electricity	43,411	266	52,872	392
..	..	150	..	156
Total cost of materials and fuel		11,079		14,237
Goods purchased for merchanting		2,598		2,264
Canteen purchases		102		113
Total cost of purchases		13,779		16,614

(a) For 1963 cadmium copper was not specifically included but blister was excluded.

(b) For 1963 included with 'All other materials for use in production'.

(c) Owing to the risk of disclosure of information relating to individual firms the total quantity of electricity generated in firms' own establishments in this industry in 1963 cannot be given. None was recorded for 1968.

(d) For 1968 may include a small amount of fuels not covered by specific headings.



TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	107	121
<b>Transport costs</b>			
Wages and salaries	£'000	73	111
Derv fuel and motor spirit	"	48	78
Tyres and other spare parts for road goods vehicles	"	..	21
Payments to other organisations for transport	by road	424	297
			by rail and other means excluding postal services
<b>Costs of operating road goods vehicles</b>			
Insurance	"	7	12
Vehicle licences	"	5	13
Depreciation	"	30	118
Payments to other organisations for repairs and maintenance	"	11	29
<b>Total</b>	"	<b>598(a)</b>	<b>868</b>

(a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	77	93
Road goods vehicles	11	29
Plant, machinery and other capital equipment	140	178
Insurance, licensing and depreciation of road goods vehicles (b)	42	143
Rates, excluding water rates	229	361
Hire of plant and machinery	3	9
Postage, telephone, telegrams, cables and telex (c)	161	239
<b>Total</b>	<b>662</b>	<b>1,052</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.

(c) Excluding telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
<b>1968</b>	<b>Per cent.</b>	<b>Per cent.</b>
April (a)	0.0	0.0
May	1.0	0.3
June	15.7	12.2
July	6.9	4.8
August	0.0	0.0
September	9.8	20.6
October	4.9	10.2
November	1.0	0.3
December	39.1	29.6
<b>1969</b>		
January	0.0	0.0
February	1.0	0.2
March	19.6	21.5
April (b)	1.0	0.3
	<b>100</b>	<b>100</b>

(a) From 6 April.

(b) To 5 April.