

## 53 Industrial engines

This Report on the Industrial Engines Industry relates to establishments engaged wholly or mainly in manufacturing industrial internal combustion engines (other than in marine engineering establishments as explained under 'Method of Classification' below) and in the manufacture of all other types of prime movers except turbines for electricity generation, marine engines and steam locomotives. Gas turbines and internal combustion engines for rail vehicles are included but internal combustion engines for the propulsion of wheeled tractors, motor vehicles and aircraft are not. Parts of industrial engines are also included.

This industry corresponds to minimum list heading 334 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 Industrial Engines Industry (Part 44) in the Reports on the last detailed Census of Production for 1963, except that turbines for generating electricity formerly included in this industry are now shown in the Report on the Electrical Machinery Industry (Part 71). In addition the treatment of parts has been altered considerably for 1968 for this and other mechanical engineering industries. The distinction made in the 1963 reports between parts sold in association with the sale of complete machines, and other parts sold, has been discontinued for 1968 and all parts are now treated in the same way as the complete machines for classification ie as principal products of their respective mechanical engineering industries and shown in Table 5.

Throughout this Report, the figures given for 1963 have been reclassified, as far as possible, according to the Standard Industrial Classification (Revised 1968) and to take account of the different treatment of parts adopted for 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.

### METHOD OF CLASSIFICATION

Returns showing sales of marine internal combustion and gas turbine engines and parts thereof as the largest item of output were classified to this industry provided they accounted for less than 95 per cent. of total output and no other principal products of the Shipbuilding and Marine Engineering Industry were sold. Marine internal combustion and gas turbine engines and parts thereof are treated in the census as principal products of the Shipbuilding and Marine Engineering Industry (Part 80).

In classifying other returns within the mechanical engineering group of industries the value of unspecified work done (other than structural and installation work), including repair work, was not taken into account unless it amounted to 80 per cent. or more of the total output of the return in which case the return was classified to the General Mechanical Engineering Industry (Part 66). The amount charged for erecting and installing machinery and plant (other than air conditioning, heating and ventilating plant) was treated as part of the selling value of these items in determining the industrial classification of the returns. The standard classification procedure as outlined in the notes on page (i) was further modified where a return would have been classified to one of the mechanical engineering industries relating to a specific class of machinery (viz, Parts 50 to 66), but where the sales of the principal products of the industry concerned (including parts) accounted for less than 20 per cent. of the total output: in such cases the return was classified to the residual sub-division of the General Mechanical Engineering Industry (Part 66).

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).

## LIST OF TABLES

Table No.	Title	Page
SECTION I - Estimates for all establishments in the industry		
1	Industry summary, 1963 and 1968	53/3
2	Analysis by size of establishment within the industry, 1968	53/4
3	Percentage analysis of employees, by age and sex, 1969	53/5
SECTION II - Analysis of returns received		
4	Analysis of larger establishments, 1963 and 1968	53/6
5	Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968	53/7
6	Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968	53/9
7	Sales of other than principal products by larger establishments in the industry, 1963 and 1968	53/10
8	Production of certain principal products of the industry by larger establishments, 1963 and 1968	DOES NOT APPLY
9	Purchases by larger establishments of selected principal products of the industry, 1968	DOES NOT APPLY
10	Purchases by larger establishments in the industry, 1963 and 1968	53/11
11	Transport costs and employment of larger establishments, 1963 and 1968	53/14
12	Payments for certain services, etc by larger establishments, 1963 and 1968	53/14
13	Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968	53/15

Footnotes continued from page 53/3.

(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 1 Industry summary, 1963 and 1968  
United Kingdom (a) (b)

	Unit	All establishments	
		1963	1968
Number of enterprises	No.	79	43
Number of establishments	"	102	66
Gross output	£'000	99,707	136,324
Net output	"	44,045	63,659
Net output per head	£	1,173	1,902
Sales and work done	£'000	85,153	121,981
	"	10,645	13,729
Purchases	"	42,256	57,965
	"	8,901	10,669
Payments to other organisations	"	3,362	2,422
	"	787	730
	"		755
Stocks and work in progress	"	+ 3,553	+ 490
Total stocks and work in progress	"	64,108	47,758
	"	- 406	+ 1,051
Goods on hand for sale	"	6,422	9,187
	"	+ 4,315	- 438
Work in progress	"	48,577	18,941
	"	- 356	- 123
Materials, stores and fuel	"	9,109	19,631
	"		
Number employed on average during the year	Th.	37.5	33.5
	"	24.4	22.0
	"	13.1	11.4
Wages and salaries	£'000	17,885	22,391
	"	11,997	13,410
Capital expenditure (e)	"		
Total	"	1,436	2,812
New building work	"	261	543
Land and existing buildings (f)	"	- 103	- 300
Plant and machinery (f)	"	1,176	2,387
Vehicles (f)	"	102	181

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for less than 1 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns accounted for a negligible proportion. For 1963 the comparable figures were 2 per cent. and less than 1 per cent. respectively.

(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

	1963	1968
Number of establishments	51	22
Average number employed:		
Working proprietors	69	19
Other persons employed	411	173

Footnotes continued on page 53/2.

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	7	7	20	..	..	..
6-10	5	5	36	..	..	..
11-24	7	7	124	..	..	..
25-99	13	12	639	1,912	1,155	1,808
100-199	3	3	411	1,230	613	1,491
200-749	11	7	5,713	28,821	12,189	2,134
750 and over	17	6	26,522	103,578	49,337	1,860
Unsatisfactory returns	3	3	12	..	..	..
Total	66	43	33,477	136,324(c)	63,659(c)	1,902(c)

(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 (d)	Oper-atives	Others (d)	Oper-atives	Others (d)
	Number	Number	£'000	£'000	£	£
1-5	..	..	..	..	..	..
6-10	..	..	..	..	..	..
11-24	..	..	..	..	..	..
25-99	461	173	397	219	861	1,268
100-199	282	129	249	130	883	1,006
200-749	3,856	1,857	4,044	2,335	1,049	1,257
750 and over	17,300	9,222	17,585	10,657	1,016	1,156
Unsatisfactory returns	..	..	..	..	..	..
Total	22,013(c)	11,440(c)	22,391(c)	13,410(c)	1,017(c)	1,172(c)

(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) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

(d) 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	3	1	4
18 and over	82	14	96
All ages	85	15	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) One establishment employing fewer than 25 persons was included in a return for a larger establishment in 1963. None were included for 1968.

(b) 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).

(c) This is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.

(d) Progress payments received for work in progress in 1968 from United Kingdom customers were recorded as £1,028,000 at the beginning of year and £505,000 at the end of year and from overseas customers £118,000 at the beginning of year and £154,000 at end of year. Similar information is not available for 1963.

(e) Administrative, technical and clerical employees.

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

TABLE 4 Analysis of larger establishments, 1963 and 1968  
Establishments employing 25 or more persons: Analysis of returns received,  
United Kingdom (a)

	Unit	1963	1968	
Number of enterprises	No.	27	21	
Number of establishments	"	50	44	
Gross output	£'000	98,233	135,542	
Net output	"	43,394	63,294	
Net output per head	£	1,173	1,902	
Sales and work done	{ goods produced and work done (b) merchanted goods and canteen takings	£'000	83,894	121,281
	"	10,488	13,651	
Index of specialisation (c)	Per cent.	60	67	
Purchases	{ materials for processing and packaging, and fuel goods for merchandising and canteen purchases	£'000	41,631	57,632
	"	8,770	10,608	
Payments to other organisations	{ for work done on materials given out for transport by road by rail and other means excluding postal services	"	3,312	2,408
	"	775	726	
	"		750	
Stocks and work in progress				
Goods on hand for sale	{ change during year at end of year	"	- 400	+ 1,045
	"	6,327	9,134	
Work in progress (d)	{ change during year at end of year	"	+ 4,251	- 435
	"	47,859	18,832	
Materials, stores and fuel	{ change during year at end of year	"	- 351	- 123
	"	8,974	19,518	
Number employed on average during the year	{ total, including working proprietors operatives other employees (e)	No.	36,993	33,285
	"	24,050	21,899	
	"	12,942	11,381	
Wages and salaries	{ of operatives of other employees (e)	£'000	17,654	22,276
	"	11,837	13,341	
Wages and salaries per head	{ operatives other employees (e)	£	734	1,017
	"	915	1,172	
Capital expenditure (f)				
New building work		£'000	257	540
Land and existing buildings	{ acquisitions disposals	"	10	43
	"	112	341	
Plant and machinery	{ acquisitions disposals	"	1,897	3,003
	"	738	630	
Vehicles	{ acquisitions disposals	"	172	261
	"	72	81	

For notes to this table - see page 53/5.

TABLE 5 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

	1963			1968			Enterprises	Entries
	Quantity	Value		Quantity	Value			
	Number	B.h.p.	£'000	Number	B.h.p.	£'000	Number	Number
Internal combustion reciprocating engines (other than for use in aircraft, road vehicles and agricultural tractors, in powered industrial trucks and industrial tractors and in marine propulsion and auxiliary marine machinery)(a)								
Compression ignition, complete								
Not over 50 b.h.p.				123,313	1,188,599	15,971	12	15
Over 50 b.h.p., not over 100 b.h.p.				{ 9,395 1,592	544,706 ..	6,389 306	{ 10	12
Over 100 b.h.p., not over 300 b.h.p.				..	..	17,617	10	16
Over 300 b.h.p., not over 1,500 b.h.p.	{ 91,479 191,497 ..	2,109,101	20,668	{ 720 ..	348,712	4,580	{ 6	9
		631,616	16,520		..	2,112		
		..	6,663			..		
		..	3,402			..		
Over 1,500 b.h.p., not over 4,000 b.h.p.				100	255,616	3,579	*	5
Over 4,000 b.h.p.				{ 26 9 ..	203,372	2,771	{ *	*
					..	680		
					..	2,601		
Other, complete				..	..	2,491	7	10
Parts	..	..	17,515(c)	..	..	30,686	46	58
Internal combustion reciprocating engines for powered industrial trucks and industrial tractors								
Complete	..	..	(d)	{ 3,131 33,528	129,029	1,271	{ 7	7
					..	8,294		
Parts	..	..		..	..	5,669	22	22
Total internal combustion reciprocating engines (other than for use in aircraft, road vehicles and agricultural tractors and in marine propulsion and auxiliary marine machinery), complete and parts			64,768			105,016	..	..
Gas turbine engines (other than marine, or for electricity generation)		H.p.			H.p.			
Complete	{ 25 79	29,252	898	{ 42 50	44,090	1,494	{ *	*
		..	531		..	250		
Parts	..	..	547	..	..	1,006	8	8
Steam turbines (other than marine, or for electricity generation) (e)								
Complete	..	..	2,534	..	..	567	5	6
Parts	..	..	4,793	..	..	3,823	10	10

Continued on next page.

TABLE 5 (continued)

	1963		1968		Enter-prises	Enter-prises
	Quantity	Value	Quantity	Value		
Condensers, steam (other than marine) for steam turbines	Number	£'000		£'000	Number	Number
Complete	34	3,450	..	3,740	5	6
Parts	..	1,884	..	1,099	8	8
Other turbines (other than marine, or for electricity generation)	Number of sets	H.p.	Number of sets	H.p.		
Complete	9	..	4	240	*	*
Parts	..	22,898	589	..	5	5
Other products including other prime movers complete and parts	..	..	..	..	17	19
Waste products	Th.tons		Th.tons			
Scrap metals						
Iron and steel	15.9	106	31.2	190	11	17
Brass	0.2	31	0.4	34	6	10
Copper	0.1	14	0.2	9	*	7
Other scrap metals	..	35	..	119	10	13
Other waste products	..	79	..	7	*	6
Total		85,543		118,820	..	..
Sales in other industries (see Table 6)		35,600		37,121	..	..
Principal products of this industry sold by establishments in the industry		49,943		81,698	21	31

(a) Internal combustion reciprocating engines, complete, and parts, sold as such for use in marine propulsion and auxiliary marine machinery, agricultural tractors, road vehicles, and aircraft, were recorded as follows and are included in the reports on the industries shown:-

	Value		
	1963	1968	
Shipbuilding and marine engineering	35,561	45,957	(Part 80)
Wheeled tractor manufacturing	17,464	22,949	(Part 81)
Motor vehicle manufacturing	108,015	148,383	(Part 82)
Motor cycle, tricycle and pedal cycle manufacturing	..	1,040	(Part 83)
Aerospace equipment manufacturing and repairing	4,964	7,183	(Part 84)

(b) For 1963 includes internal combustion reciprocating engines complete, for use in powered industrial trucks and industrial tractors.

(c) For 1963 includes internal combustion reciprocating engines, parts, for use in powered industrial trucks and industrial tractors.

(d) Not separately recorded for 1963.

(e) For 1963 may include some turbines for the generation of electricity. Steam turbines for the generation of electricity are included in the 1968 report on Electrical machinery (Part 71).

(f) 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		Principal industries in which produced (a)
	Value	Value	Entries	
	£'000	£'000	Number	
Internal combustion reciprocating engines (other than for use in aircraft, road vehicles and agricultural tractors, in powered industrial trucks and industrial tractors and in marine propulsion and auxiliary marine machinery)				
Compression ignition, complete				
Not over 50 b.h.p.	21,844	1,990	7	50,81,82,97
Over 50 b.h.p.		11,349	14	71,80,81,82
Parts	3,507	4,718	35	80,81,82,97
Internal combustion reciprocating engines for powered industrial trucks and industrial tractors, complete and parts	(b)	10,972	19	66,78,81,82
Total internal combustion reciprocating engines (other than for use in aircraft, road vehicles and agricultural tractors and in marine propulsion and auxiliary marine machinery, complete and parts)	25,351	29,029	..	
Gas turbine engines (other than marine, or for electricity generation)				
Complete	177	351	*	52,71
Parts	191	755	*	52,64,84
Steam turbines (other than marine, or for electricity generation)				
Complete	1,009	567	6	51,52,80
Parts	2,072	438	*	51,52,64,65
Condensers, steam (other than marine) for steam turbines				
Complete	3,278	3,740	6	52,64,71
Parts				
Other turbines (other than marine, or for electricity generation) including other prime movers, complete and parts	2,682	1,159	22	52,54,56,84
Total	35,600	37,121	..	

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

(b) Not separately recorded for 1963.

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
Mechanical engineering	£'000	£'000
Pumps, valves and compressors, complete and parts	1,409	940
Mechanical engineering machinery, complete and parts	5,905	6,457
General mechanical engineering products, complete and parts	925	535
Marine machinery		
Internal combustion reciprocating engines		
Over 100 b.h.p., not over 300 b.h.p.	241	358
Over 300 b.h.p., not over 1,500 b.h.p.	1,673	2,120
Over 1,500 b.h.p., not over 4,000 b.h.p.	-	3,709
Other marine machinery, complete and parts	9,143	10,972
Other products (including turbines for electricity and generating sets, parts of gas turbines for aero engines and parts for locomotives)	9,594	12,881
Repair and jobbing work and other work done on commission	4,755(a)	1,484
Research and development work including services rendered to other organisations (b)	307	127
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	10,218	13,439
Canteen takings	270	211
<b>Total</b>	<b>44,439</b>	<b>53,235</b>

(a) For 1963 includes installation of machinery, other than principal products of the industry.

(b) Services rendered comprises 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
Materials for use in production				
Iron				
Pig iron, including refined pig iron and other irons for re-melting	..	273	9.1	196
Castings	22.8	2,244	..	5,086
Steel				
Bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares	19.4	1,476	10.1	863
Plates, 3 mm. thick and over	..	773	13.9	734
Forgings (except drop forgings)	3.3	987	3.1	1,117
Castings	2.2	484	..	3,078
Drop forgings	8.9	1,598	1.3	414
Iron and steel not elsewhere specified except finished parts, wire and scrap			..	866
Wrought tubes and fittings for wrought tubes (including welded, seamless, conduits, etc)	..	480	2.2	260
Other	..	660	..	624
Precision chain (eg transmission and timing)	..	40	..	35
Springs, laminated and other types	..	146	..	165
Steel wire and wire manufactures (excluding insulated wires and cables)	..	42	..	16
Ferro-alloys	..	30	..	60
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap				
Aluminium and aluminium alloys	2.4	818	2.4	1,022
Brass and other copper alloys (including nickel silver and cupro nickel, but excluding all other nickel alloys and cadmium copper) (a)	2.6	972	..	515
Copper (including cadmium copper) (b)	0.6	157	0.4	477
General chemicals (c)				
Inorganic (including inorganic gases)	..	..	..	51
Organic (including organic gases)	..	113	..	15
Other (eg mixtures of inorganic and organic chemicals)	..	..	..	4
Paint and varnish (including lacquers and stains)	35.9	52	..	152
Synthetic resins and plastics materials (excluding leathercloth and reinforced plastics)	..	53	..	..
Manufactures wholly or mainly of rubber (including synthetic rubber), balata and gutta-percha, including sheeting, but excluding replacement parts for your own machinery, plant, vehicles, etc	..	23	..	30
Timber softwood, hardwood, sawn or planed, but not further prepared or manufactured and plywood, including blockboard, laminboard and battenboard	..	158	..	151
		113	..	189

Continued on next page.

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Materials for use in production (continued)				
Asbestos in all forms (including finished parts)	..	28	..	37
Insulated wires, cables, strips and strands	..	75	..	128
Bolts, rivets, nuts and washers, screws, nails, tacks, etc	..	594	..	866
Machinery and plant bought for installation and erection	..	1,248	..	598
Purchased components for incorporation in firms' own products				
Ball and roller bearings and parts thereof	..	487	..	352
Electric motors				
Of less than 1 h.p.	..	45	..	47
Of 1 h.p. and over	..	83	..	407
			Number	
Internal combustion engines	..	858	4,759	222
			..	1,023
Gears and gear wheels of metal	..	534	..	1,124
Pumps	..	799	..	1,292
Measuring instruments and gauges and parts				
Industrial process measuring and control instruments and equipment	..	343	..	169
Other	..	699	..	524
Other components not elsewhere specified (excluding those of rubber and asbestos)	..	9,361	..	14,996
			Th.gal.	
Lubricating oils and greases (including cutting oils and emulsions)	..	150	851	216
			Th.cwt.	
			0.5	7
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	..	1,663	..	70
Other	..		..	2,004
All other materials for use in production	..	10,495	..	12,084
Packaging materials				
Paper and board	..	72	..	151
Timber				
Containers wholly or mainly of wood (including plywood boxes and drums), baskets and wickerwork crates	..	319(d)	..	348
	Th.cu.ft.			
Timber (sawn or planed) for manufacture into packing cases, etc	856	92	..	308
	..	173	..	
All other packaging materials	..	56	..	44

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
	Th.tons	£'000	Th.tons	£'000
Fuel and electricity (e)				
Coal	18.0	101	10.0	64
Coke (including screenings) and manufactured fuel	13.3	147	9.0	136
	..	60	..	17
			Th.gal.	
Derv fuel and motor spirit for use in road vehicles	..	66	673	133
	Th.gal.			
Other liquid fuels (including creosote/pitch mixtures, etc and liquefied petroleum gases)	6,816	281	10,576	590(f)
	..	50	..	83
			Th.therms	
Gas	..	254	2,588	189
			..	66
	Th.kWh		Th.kWh	
Electricity	107,083	664	123,639	915
	..	143	..	164
Total cost of materials and fuel		41,631		57,632
Goods purchased for merchanting		8,463		10,338
Canteen purchases		306		270
Total cost of purchases		50,401		68,240

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

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

(c) For 1963 described as 'Heavy chemicals(acids, alkalis, alcohols, other inorganic and organic chemicals, compressed gases, etc)'.  
(d) For 1963 includes 'Plywood for manufacture into packing cases'.

(e) Owing to the risk of disclosure of information relating to individual firms the total quantity of electricity generated in firms' own establishments for 1968 cannot be given. For 1963 the quantity recorded was 11,949 Th.kWh.

(f) 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.	188	175
Transport costs			
Wages and salaries	£'000	143	165
Derv fuel and motor spirit	"	66	133
Tyres and other spare parts for road goods vehicles	"	..	70
Payments to other organisations for transport	by road	775	726
			by rail and other means excluding postal services
Costs of operating road goods vehicles			
Insurance	"	11	13
Vehicle licences	"	10	24
Depreciation	"	86	83
Payments to other organisations for repairs and maintenance	"	13	23
Total	"	1,104(a)	1,987

(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	91	209
Road goods vehicles	13	23
Plant, machinery and other capital equipment	96	350
Insurance, licensing and depreciation of road goods vehicles (b)	107	120
Rates, excluding water rates	480	613
Hire of plant and machinery	61	234
Postage, telephone, telegrams, cables and telex (c)	460	615
Total	1,308	2,164

(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
1968	Per cent.	Per cent.
April (a)	3.2	0.1
May	0.0	0.0
June	0.0	0.0
July	6.5	2.5
August	0.0	0.0
September	6.5	0.4
October	0.0	0.0
November	6.5	4.0
December	54.8	73.0
1969		
January	0.0	0.0
February	3.2	0.1
March	19.4	19.9
April (b)	0.0	0.0
	100	100

(a) From 6 April.

(b) To 5 April.



TABLE 1. *Estimated population of the United States, 1950*

Category	Estimated population, 1950	Estimated population, 1940
Total population	150,000,000	130,000,000
White population	100,000,000	85,000,000
Black population	40,000,000	35,000,000
Hispanic population	10,000,000	5,000,000
Native American population	2,000,000	2,000,000
Foreign-born population	10,000,000	10,000,000
Population in urban areas	70,000,000	50,000,000
Population in rural areas	80,000,000	80,000,000
Population in the Northeast	40,000,000	35,000,000
Population in the South	35,000,000	30,000,000
Population in the West	15,000,000	10,000,000
Population in the Midwest	60,000,000	55,000,000
Population in the Mountain States	5,000,000	5,000,000
Population in Alaska and Hawaii	1,000,000	1,000,000
Total	150,000,000	130,000,000

1. The population of Alaska and Hawaii is included in the total population of the United States in 1950.

2. The population of Alaska and Hawaii is not included in the total population of the United States in 1940.

3. The population of Alaska and Hawaii is not included in the total population of the United States in 1930.