



BOARD OF TRADE

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[HA 251]

Report on the Census of Production 1963

62 Motor vehicle manufacturing

LONDON: HER MAJESTY'S STATIONERY OFFICE
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The figures include persons engaged in manufacturing or fabricating and certain workers whose activities are related to these activities...

BOARD OF TRADE

Report on the Census of Production 1963

The second edition of the Standard Industrial Classification (SIC) was published in 1963...

At the end of the principal products of the industry accounted for a certain percentage of the total production...

62 Motor vehicle manufacturing

Production in the motor vehicle industry was 10.1 million units in 1963...

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)

Statistics of Trade Act 1947 (10 & 11 Geo. 6 Cha. 39 Sec. 7) provides that the Board of Trade shall cause to be prepared and published a report on the production and supply of goods...

TERMS USED IN THE CENSUS REPORT

Average number employed: This term is used to describe the number of persons on the payroll (i.e. those receiving wages) who were employed by the industry during the year of reference...

Notes - continued on pages 111 and 112

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.

62 Motor vehicle manufacturing

This Report on the Motor Vehicle Manufacturing Industry relates to establishments engaged wholly or mainly in manufacturing and assembling passenger cars, commercial goods vehicles, buses, trolley buses, wheeled tractors, works trucks, motor-drawn trailers and caravans and parts and accessories for such vehicles including bodies, chassis and chassis frames for cars and commercial vehicles, cabs for commercial vehicles, motor body shells, internal combustion engines, axles, brakes and clutches (other than linings), carburettors, fuel injection pumps, gear boxes, heaters, hoods, propeller shafts, radiators and radiator blocks, registration plates, shock absorbers and dampers, steering gear, tipping gear, wheels and wind-screen wipers (not electrical) and other non-electrical parts and accessories except gaskets and jointings, bumpers, fuel tanks and similar sheet metal products. Engine parts and accessories, other than those specified, and electrical instruments, accessories and other electrical equipment for vehicles are excluded. The report includes three-wheel tractors, battery-electric vehicles and works trucks but other three-wheel vehicles are excluded; armoured cars and troop carriers are also included but armoured fighting vehicles, whether or not tracked, and track laying tractors, are excluded.

This industry corresponds to minimum list heading 381 in the Standard Industrial Classification (Consolidated edition, 1963).

METHOD OF CLASSIFICATION

The classification of returns to this industry followed the standard procedure except that the following special treatment was given to sales of parts of engines: when sold in conjunction with complete motor vehicle engines, parts were treated as principal products of this industry; otherwise they were treated as principal products of the General Mechanical Engineering Industry (Part 52). In classifying returns to the sub-divisions of the industry, shown as Table 2, a return was classified to a particular sub-division only if more than a half of its total output consisted of 'characteristic' products of the sub-division; otherwise it was classified to the 'Other' sub-division.

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

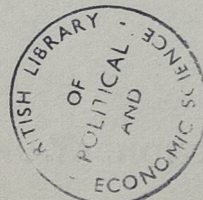


TABLE 2 Analysis of larger firms by sub-divisions within the industry, 1958 and 1963

Firms employing 25 or more persons: United Kingdom (a)

	Unit	Sub-divisions of the industry (b)			
		Cars and taxis and chassis with engines 01		Commercial vehicles and chassis with engines 02	
		1958	1963	1958	1963
Number of enterprises (c)	No.	12	14	27	32
Number of establishments	"	29	48	34	48
Gross output	£'000	613,789	1,051,748	118,768	245,991
Net output	"	147,706	327,083	32,251	69,513
Net output per head	£	1,535	2,195	1,004	1,366
Sales and work done	£'000	587,210	925,923(d)	103,286	219,291(d)
	"	28,019	112,406	14,168	25,778
Sales of characteristic products	"	431,164	635,713	73,928	152,573
Index of specialisation (f)	Per cent.	73	69	72	70
Purchases	£'000	458,517	610,546	85,301	155,549
	"		115,494		21,564
Payments to other organisations	"	2,256	2,235	449	976
	"	2,695	3,679	328	640
Stocks and work in progress					
Goods on hand for sale	"	+ 1,915	+ 13,201	+ 1,039	+ 84
	"	23,299	58,299	7,369	15,860
Work in progress	"	- 3,355	+ 217	+ 275	+ 838
	"	17,672	38,519	15,179	18,344
Materials, stores and fuel	"	- 2,614	+ 7,290	- 439	+ 2,251
	"	23,203	49,815	9,722	23,315
Average number employed	No.	96,248	149,029	32,119	50,892
	"	78,517	118,242	24,658	38,205
	"	17,727	30,781	7,460	12,682
Wages and salaries	£'000	63,190	122,853	14,995	31,437
	"	14,302	34,086	5,319	10,812
Wages and salaries per head	£	805	1,039	608	823
	"	807	1,107	713	853
Employers' contributions to National Insurance (h)	£'000	..	4,420	..	1,421
Employers' contributions to private pension schemes, etc. (i)	"	..	4,232	..	793
Capital expenditure (j)					
New building work	"	5,918	19,187	208	707
Land and existing buildings	"	..	817	..	75
	"	..	91	..	561
Plant and machinery	"	13,382	29,002	1,099	7,453
	"	205	208	251	140
Vehicles	"	507	724	257	691
	"	211	281	119	380

Sub-divisions of the industry (b)									
Industrial and works trucks and tractors 04		Motor bodies 05		Trailers (motor-drawn), caravans and parts therefor 06		Internal combustion engines 07		Parts and accessories of motor vehicles not elsewhere specified 08	
1958	1963	1958	1963	1958	1963	1958	1963	1958	1963
6	14	100	80	53	53	7	6	142	142
6	19	131	116	61	68	8	10	187	239
6,420	18,506	182,426	179,643	18,056	28,140	38,715	59,290	172,748	320,107
2,263	6,875	67,699	83,020	6,337	10,737	13,183	22,298	72,639	141,791
1,029	1,382	1,048	1,334	1,055	1,447	892	1,354	1,111	1,442
5,837	16,131(d)	176,700	180,998(d)	17,634	28,100(d)	38,327	58,894(d)	168,771	298,460(d)
717	2,192	3,891	1,532	24	444	109	231	1,068	19,481
4,727	12,318	159,237	158,280	16,006	27,305	33,801	51,477	144,801	241,349
81	76	90	87	91	97	88	87	85	81
3,921	9,488	111,886	91,143	11,549	16,861	24,613	35,094	96,289	155,623
	1,807		1,244		360		197		16,081
214	243	905	839	220	141	562	1,586	2,411	5,987
36	145	1,381	2,362	149	99	150	129	961	1,871
+ 1	- 114	- 84	+ 78	+ 196	- 453	+ 128	+ 202	+ 1,025	+ 749
195	1,214	466	427	557	770	2,550	1,508	5,313	11,014
- 135	+ 297	+ 1,919	- 2,965	+ 202	+ 49	+ 151	- 37	+ 1,884	+ 1,418
1,175	2,191	15,098	17,792	897	1,284	3,008	5,644	10,927	20,883
+ 13	+ 52	- 555	- 1,035	+ 201	+ 57	- 208	+ 14	- 449	+ 1,246
774	2,821	9,273	10,726	1,967	2,526	1,414	1,956	10,345	19,721
2,198	4,974	64,592	62,240	6,006	7,418	14,766	16,466	65,352	98,303
1,249	2,834	55,783	52,428	5,108	5,978	11,476	12,885	52,107	76,328
949	2,132	8,802	9,766	889	1,406	3,290	3,581	13,243	21,900
747	2,164	43,600	50,216	3,201	4,496	7,417	9,940	32,240	58,851
605	1,793	7,459	9,997	671	1,267	2,343	3,052	10,008	20,515
599	764	782	958	627	752	646	771	619	771
637	841	847	1,024	754	901	712	852	756	937
..	131	..	1,984	..	235	..	528	..	2,811
..	71	..	911	..	76	..	295	..	1,686
195	41	2,931	2,798	133	152	45	336	1,802	1,678
..	-	..	112	..	108	..	-	..	611
..	-	..	387	..	104	..	-	..	461
44	148	4,997	6,988(k)	64	206(k)	644	1,321	4,629	12,369
-	2	70		1		26	6	119	503
33	144	233	183	84	139	22	60	500	621
12	45	67	85	30	59	5	12	140	201

Continued on next page

TABLE 2 (continued)

	Unit	Sub-divisions of the industry (b)		Total		
		Other				
		1958	1963	1958	1963	
Number of enterprises (c)	No.	68	70	393	373	
Number of establishments	"	95	82	551	630	
Gross output	£'000	173,381	154,591	1,324,304	2,058,015	
Net output	"	60,823	58,254	402,902	719,570	
Net output per head	£	1,139	1,624	1,204	1,692	
Sales and work done	£'000	goods produced and work done	163,779	146,971(d)	1,261,544	1,874,767(d)
		merchanted goods and canteen takings	9,112	6,737	57,108	168,801
Sales of characteristic products	"	(e)	(e)	(e)	(e)	
Index of specialisation (f)	Per cent.	..	..	94	93	
Purchases	£'000	materials for processing and packaging, and fuel	109,632	89,433	901,708	1,163,737
		goods for merchandising and canteen purchases	"	4,655	"	161,403
Payments to other organisations	"	for work done on materials given out	974	1,691	7,992	13,698
		for transport	840	977	6,538	9,901
Stocks and work in progress						
Goods on hand for sale	"	change during year	+ 1,167	- 474	+ 5,388	+ 13,273
		at end of year	7,262	8,799	47,010	97,891
Work in progress	"	change during year	- 677	+ 1,357	+ 264	+ 1,175
		at end of year	12,972	8,502	76,927	113,160
Materials, stores and fuel	"	change during year	- 1,111	+ 420	- 5,163	+ 10,295
		at end of year	11,525	10,931	68,221	121,811
Average number employed	No.	total, including working proprietors	53,362	35,870	334,643	425,192
		operatives	41,603	27,497	270,501	334,397
		other employees (g)	11,757	8,341	64,117	90,589
Wages and salaries	£'000	of operatives	28,803	23,580	194,192	303,537
		of other employees (g)	8,539	7,654	49,245	89,175
Wages and salaries per head	£	operatives	692	858	718	908
		other employees (g)	726	918	768	984
Employers' contributions to National Insurance (h)	£'000	..	1,111	..	12,641	
Employers' contributions to private pension schemes, etc. (i)	"	..	666	..	8,729	
Capital expenditure (j)						
New building work	"	1,626	492	12,857	25,392	
Land and existing buildings	"	acquisitions	..	107	..	1,830
		disposals	..	96	..	1,707
Plant and machinery	"	acquisitions	4,473	2,954	29,333	60,681
		disposals	709	61	1,381	1,161
Vehicles	"	acquisitions	241	239	1,876	2,802
		disposals	65	82	647	1,144

For notes to this table-see page 62/8

TABLE 3 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	Establishments	Average number employed (a)	Gross output	Net output	Net output per head	Capital expenditure (b)	Total value of stocks and work in progress at end of year
	Number	Number	Number	£'000	£'000	£	£'000	£'000
25-49	78	84	2,844	7,562	3,678	1,293	276	1,270
50-99	91	95	6,584	16,290	7,372	1,120	434	2,506
100-199	73	94	10,092	28,919	11,417	1,131	605	4,876
200-299	21	40	4,946	13,231	6,735	1,362	301	2,456
300-399	25	38	8,772	31,577	11,814	1,347	513	6,477
400-499	13	26	5,980	15,735	6,515	1,089	415	2,517
500-749	21	42	13,207	41,229	18,251	1,382	1,456	9,193
750-999	7	12	5,788	17,507	8,149	1,408	632	3,812
1,000-1,499	13	32	15,928	45,422	20,379	1,279	1,312	10,708
1,500-1,999	8	16	14,007	34,712	17,471	1,247	1,695	6,957
2,000-2,499	4	7	9,043	29,154	13,718	1,517	652	6,321
2,500-3,999	3	12	9,666	27,477	11,203	1,159	1,642	7,374
5,000-7,499	6	25	36,531	142,401	55,361	1,515	4,709	28,777
7,500 and over	10	107	281,804	1,606,801	527,509	1,872	72,049	239,618
Total	373	630	425,192	2,058,015	719,570	1,692	86,692	332,862

(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	2,272	507	1,528	449	86	15	672	886
50-99	5,484	1,041	3,298	955	197	35	601	918
100-199	8,113	1,932	5,467	1,701	285	83	674	880
200-299	3,769	1,157	2,619	1,015	149	54	695	878
300-399	6,864	1,904	5,000	1,674	246	95	728	879
400-499	4,795	1,183	3,221	1,063	158	73	672	899
500-749	10,284	2,914	7,573	2,742	396	167	736	941
750-999	4,884	904	3,912	906	192	70	801	1,002
1,000-1,499	12,080	3,848	9,733	3,572	473	225	806	928
1,500-1,999	11,321	2,686	8,250	2,529	411	244	729	942
2,000-2,499	6,251	2,792	5,392	2,289	261	146	863	820
2,500-3,999	7,431	2,235	5,706	1,927	281	123	768	862
5,000-7,499	27,141	9,390	23,090	8,750	1,127	647	851	932
7,500 and over	223,708	58,096	218,749	59,603	8,381	6,750	978	1,026
Total	334,397	90,589	303,537	89,175	12,641	8,729	908	984

(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 £639,000.

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

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	2	1	3
18 and over	85	12	97
All ages	87	13	100

Source: Ministry of Labour

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

Footnotes to Table 2.

(a) The following information relates to small firms (employing fewer than 25 persons) in this industry. It includes an estimate for small firms not making satisfactory returns, which account for 4 per cent. of the employment shown for 1963 and 7 per cent. for 1958.

	1958	1963
Number of firms	546	594
Average number employed:		
Working proprietors	5,752	782
Other persons employed		5,469

- (b) The method of classifying returns to sub-divisions of the industry is explained in the introduction to this report; the characteristic products of each sub-division are identified in Table 5.
- (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 and other goods, for providing transport, or for technical or other services rendered).
- (e) Characteristic products relate only to specific sub-divisions of the industry.
- (f) 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.
- (g) Administrative, technical and clerical employees.
- (h) Including both flat rate and graduated contributions.
- (i) Including pensions and gratuities paid other than from pension funds.
- (j) Excluding expenditure for establishments not yet in production.
- (k) Acquisitions less disposals.

TABLE 5 Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Number	£'000	Number	£'000	Number	Number
01	MOTOR VEHICLES COMPLETE AND CHASSIS WITH ENGINES THEREFOR					
	Cars complete, assembled or otherwise (including taxis, station wagons and estate cars but excluding three-wheel vehicles) and chassis with engines therefor					
	Not exceeding 1,000 c.c.					
	752,560	264,586	313,562	98,363	8	10
	Exceeding 1,000 c.c. but not exceeding 1,600 c.c.					
			860,774	341,812	9	12
	Exceeding 1,600 c.c. but not exceeding 2,800 c.c.					
	260,772	128,652	277,155	149,436	11	14
	Exceeding 2,800 c.c.					
	Complete cars (assembled or otherwise)					
	16,871	20,017	47,197	52,380	9	12
	Chassis with engines					
	275	363	118	174	*	*
	Total cars and chassis with engines therefor		413,617	642,165	..	..
02	Commercial vehicles complete, assembled or otherwise (other than taxis, station wagons, estate cars, tractors and industrial trucks but including special purpose vehicles and motive units for articulated vehicles) and chassis with engines therefor					
	Omnibuses and coaches					
	Complete (assembled or otherwise)					
	Designed with 8 to 15 seats (excluding the drivers)					
	1,403	3,728	4,683	2,354	*	*
	Other single deck					
			4,573	9,180	7	9
	Double deck					
	107	730				
	Chassis with engines					
	Other single deck					
	8,384	15,568	4,499	9,498	*	7
	Double deck					
			2,339	6,998	*	6
	Total omnibuses and coaches and chassis with engines therefor		20,026	28,030	..	..

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Number	£'000	Number	£'000	Number	Number
MOTOR VEHICLES COMPLETE AND CHASSIS WITH ENGINES THEREFOR (continued)						
02 Commercial vehicles complete, assembled or otherwise (other than taxis, station wagons, estate cars, tractors and industrial trucks but including special purpose vehicles and motive units for articulated vehicles) and chassis with engines therefor (continued)						
Motive units for articulated vehicles	1,693	2,963	5,443	8,486	12	14
Other commercial vehicles with internal combustion engines						
Complete (assembled or otherwise) of gross vehicle weight						
Not exceeding 1½ tons			177,888	60,359	14	17
Exceeding 1½ tons but not exceeding 3 tons			66,851	36,910	17	18
Exceeding 3 tons but not exceeding 5 tons			20,343	16,977	15	18
Exceeding 5 tons but not exceeding 7 tons	190,230	82,673	12,808	14,712	17	18
Exceeding 7 tons but not exceeding 10 tons			5,337	8,104	16	17
Exceeding 10 tons but not exceeding 14 tons			2,164	4,514	11	12
Exceeding 14 tons but not exceeding 20 tons			388	1,288	*	5
Exceeding 20 tons			1,103	6,700	6	7
Chassis with engines with gross vehicle weight						
Not exceeding 1½ tons			4,028	1,240	*	*
Exceeding 1½ tons but not exceeding 3 tons			8,649	3,773	6	6
Exceeding 3 tons but not exceeding 5 tons			22,987	14,513	*	5
Exceeding 5 tons but not exceeding 7 tons	109,883	84,311	27,888	18,616	7	7
Exceeding 7 tons but not exceeding 10 tons			30,973	27,823	9	10
Exceeding 10 tons but not exceeding 14 tons			19,112	26,604	6	10
Exceeding 14 tons but not exceeding 20 tons			1,869	4,625	5	6
Exceeding 20 tons			2,064	7,707	*	*
Total other commercial vehicles, including special purpose vehicles, with internal combustion engines and chassis with engines therefor and motive units for articulated vehicles						
		173,299		262,951	..	..

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Number	£'000	Number	£'000	Number	Number
MOTOR VEHICLES COMPLETE AND CHASSIS WITH ENGINES THEREFOR (continued)						
02 Electrically operated goods vehicles complete, assembled or otherwise (other than industrial trucks) and chassis with motive units sold separately	1,720	1,723	1,783	1,443	7	7
09 Tractors, wheeled and half track, (including three-wheel tractors but excluding works tractors, and motive units for articulated vehicles)	171,481	76,253	241,933	133,697	15	16
04 Industrial and works trucks and works tractors (of the types used in factories, warehouses, railway stations and docks) complete						
Trucks						
Fork lift						
Electrically operated	2,877	3,436	4,055	7,330	18	18
With internal combustion engines	1,052	2,066	2,074	4,126	12	13
Platform and other						
Electrically operated	1,213	929	1,882	1,460	14	14
With internal combustion engines	..	673	..	389	6	6
Works tractors	314	397	465	660	10	10
09 Reconditioned motor vehicles	..	784	..	309	11	12
MOTOR VEHICLE PARTS AND ACCESSORIES						
Parts and accessories of motor vehicles, tractors and works trucks (excluding chassis with engines and parts of motor cycles and three-wheel vehicles) sold separately						
05 Motor bodies complete (c)						
For cars and taxis	437,647	72,485	200,066	39,413	14	17
For station wagons and estate cars	50,555	7,298	31,161	5,453	*	5
For commercial vehicles						
Omnibuses and coaches						
Designed with 8 to 15 seats (excluding the drivers)	2,729	5,691	191	44	5	5
Other single deck			2,155	6,007	14	18
Double deck	1,953	5,211	2,794	8,783	10	13
Other goods and commercial vehicles	104,959	18,928	55,522	13,178	69	80
	..	1,147	..	2,731		
Total motor bodies complete (c)		110,758		75,609	..	..

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Number	£'000	Number	£'000	Number	Number
MOTOR VEHICLE PARTS AND ACCESSORIES (continued)						
Parts and accessories of motor vehicles, tractors and works trucks (excluding chassis with engines and parts of motor cycles and three-wheel vehicles) sold separately (continued)						
05 Cabs for goods vehicles						
Completely fitted with upholstered seats, instrument panels, etc.	62,336	4,949	14,493	2,089	19	21
Other			43,345	3,823	25	29
Other parts of motor bodies						
05 Motor body shells	449,851	33,712	697,856	47,271	12	19
	No. of sets		No. of sets			
05 Panels for goods vehicles	72,059	2,855	139,935	7,782	16	19
	..	1,255				
05 Sheet metal (bonnets, wings, etc.), not elsewhere specified (d)	..	11,752	..	27,081	41	49
08 Hoods	..	1,749	..	1,486	7	8
08 Other	..	13,051	..	12,820	46	53
			Number			
09 Chassis frames and parts thereof and chassis without engines	..	5,766(e)	255,498	4,594	23	23
			..	6,403		
07 Internal combustion engines complete (excluding industrial and marine internal combustion engines)						
New	Number					
Compression ignition	423,772(f)	49,531(f)	567,619	66,793	14	21
Other	9,444(f)	4,016(f)	106,527	10,952	8	9
Reconditioned	257,479	8,671	202,814	7,095	14	17
07 Parts of engines, new and reconditioned	..	13,162	..	23,877	20	29
08 Propeller shafts	..	(g)	2,733,645	11,619	8	10
08 Gear boxes (new and reconditioned) and parts thereof (e)	..	4,835(h)	..	20,296	27	40
08 Carburettors (new and reconditioned) and parts thereof (e)	..	3,550	..	6,704	9	10
08 Fuel injection pumps and parts thereof (e)	..	5,741	..	15,256	9	9
	Thousands		Thousands			
08 Radiators complete	930	6,520				
			{ 1,686	7,072	17	19
			..	717		
08 Radiator blocks	882	1,288				
08 Steering gear (and parts) new and reconditioned	..	10,805	..	17,882	30	37
08 Axles (new and reconditioned) and parts thereof (e)	..	21,585	..	38,104	32	45

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Thousands	£'000	Thousands	£'000	Number	Number
MOTOR VEHICLE PARTS AND ACCESSORIES (continued)						
Parts and accessories of motor vehicles, tractors and works trucks (excluding chassis with engines and parts of motor cycles and three-wheel vehicles) sold separately (continued)						
08 Wheels and parts thereof, not included elsewhere (excluding tyres, sold separately)	..	8,914	..	16,355	17	17
08 Brakes and parts thereof (other than linings containing asbestos, and brake cables sold separately)	..	23,628	..	41,079	35	43
08 Clutches and parts thereof (other than linings containing asbestos)	..	5,561	..	10,815	28	30
08 Shock absorbers and dampers and parts thereof (e)	..	4,805	..	21,585	22	25
08 Windscreen wipers (not electrical) and parts thereof	..	810	..	936	5	5
08 Heaters	1,780	6,044	3,104	11,426	17	18
			Number			
08 Registration plates of all kinds	..	957(i)	470,224	212	7	8
			..	1,450		
			No. of sets			
08 Tipping gear	..	2,191	29,507	2,913	8	9
Complete	..	2,191	29,507	2,913	8	9
Parts including hydraulic pumps sold separately	..	473	..	886	12	13
08 Other parts and accessories new and reconditioned, not elsewhere specified (j)						
For tractors (including three-wheel tractors) but excluding works tractors, track-laying tractors and agricultural implements	..	10,453	..	17,066	61	66
For industrial and works trucks and works tractors (of the type used in factories, warehouses, railway stations and docks)			..	3,874	44	48
For cars (including taxis, station wagons and estate cars) and commercial vehicles (including special purpose vehicles) but excluding three-wheel vehicles, tractors and industrial trucks (k)	..	96,598	..	85,989	202	233
OTHER PRODUCTS						
06 Trailers and caravans						
Trailers and semi-trailers, complete (excluding trailers incorporating mounted machinery)	Number		Number			
Trailers	7,062	2,104	7,694	2,011	44	45
	..	231	..	1,127		
Semi-trailers	6,446	3,958	9,157	7,853	25	27
Caravans, complete						
Motorised	29,780	10,663	539	193	*	*
Other			42,904	15,382	30	32
Parts of trailers and caravans	..	2,277	..	4,362	46	49
Other	..	6,223(1)	..	4,521	55	65

Continued on next page

TABLE 5 (continued)

Industry sub-division (a)	1958		1963			
	Quantity	Value	Quantity	Value	Enter-prises	Entries
	Th.tons	£'000	Th.tons	£'000	Number	Number
WASTE PRODUCTS						
Scrap iron and steel	581	5,201	784	6,257	177	237
	..	1,234	..	1,027		
Other scrap metal	..	1,765	..	1,637	135	176
Other waste products	..	235	..	190	50	67
WORK DONE						
09 Body building work done, on commission, sub-contract etc., on chassis supplied by the manufacturer for this purpose						
Cars (including station wagons, estate cars and taxis)			..	1,158	15	15
Omnibuses and coaches			..	990	16	18
Other commercial vehicles (including special purpose vehicles)	..	6,291	..	7,497	67	73
Other work done on commission, sub-contract work, etc.			..	5,474	57	62
Research and development work	..	761(i)	..	7,182	31	37
Total		1,210,131(m)		1,779,333	..	..
Sales in other industries (see Table 6)		28,520		29,245	..	..
Principal products of this industry sold by establishments in the industry		1,181,611(m)		1,750,088	373	471(n)

(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 firms, not merely sales by establishments classified to the sub-division.

(b) Including all special purpose vehicles irrespective of gross vehicle weight (fire engines, ambulances, armoured cars and troop carriers, electrically propelled cars and motor vehicles not separately distinguished). Tanks and other armoured fighting vehicles are included in the report on the Ordnance and Small Arms industry.

(c) The figures shown for 1958 and 1963 are not strictly comparable because of the changed structure of the motor industry.

(d) Petrol tanks were specifically included in 1958. For 1963 they are included in the report on the Miscellaneous Metal Manufactures industry which records the following under 'other miscellaneous metal goods':

	£'000
Bumpers	9,676
Fuel tanks	2,401
Parts and accessories of motor vehicles not elsewhere specified	24,816

(e) Excluding parts in 1958.

(f) Revised figure.

(g) Not separately distinguished in 1958, the value being included in the heading 'Other parts and accessories of motor vehicles not elsewhere specified'.

(h) In 1958 some gear boxes may have been included in the General Mechanical Engineering industry under the heading of gears and gear wheels.

(i) So far as separately distinguished in 1958.

(j) For transmission chains and ball and roller bearings, see the General Mechanical Engineering industry; for electrical equipment, the Miscellaneous Electrical Goods industry; for springs, the Miscellaneous Metal Manufactures industry; for brake and clutch linings containing asbestos, the Asbestos industry; and for rubber tyres and tubes, the Rubber industry.

(k) Including some unclassified parts and accessories.

(l) Including electric trolleybuses, and chassis with engines therefor, which were separately distinguished in 1958.

(m) Revised figure. Repair work, included in this table in the 1958 report on this industry, is now shown in Table 7.

(n) This figure represents the total number of returns made by larger firms in this industry, which is less than the total number of establishments in Table 2 on account of combined returns covering more than one establishment.

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

Firms employing 25 or more persons: United Kingdom

	1958		1963			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Number	£'000	Number	£'000	Number	
MOTOR VEHICLES COMPLETE AND RECONDITIONED AND CHASSIS WITH ENGINES THEREFOR						
Cars complete, assembled or otherwise (including taxis, station wagons and estate cars but excluding three-wheel vehicles) and chassis with engines therefor			3,147	1,356	*	51,63
Commercial vehicles complete, assembled or otherwise (other than taxis, station wagons, estate cars, tractors and industrial trucks but including motive units for articulated vehicles and special purpose vehicles) and chassis with engines therefor	{ 951 .. }	{ 1,122 3,183 }				
Tractors, wheeled and half track, (including three-wheel tractors but excluding works tractors and motive units for articulated vehicles)			596	1,576	7	51,55,66,74
Industrial and works trucks and works tractors (of the types used in factories, warehouses, railway stations and docks) complete						
Trucks						
Fork lift	734	481	495	684	11	41,46,65,109
Platform and other						
Electrically operated			190	147	*	41,42,74
With internal combustion engines	{ 1,017 }	{ 450 }	{ 574 }	{ 408 }	6	44,49,65,84
Works tractors						
MOTOR VEHICLE PARTS AND ACCESSORIES						
Parts and accessories of motor vehicles, tractors and works trucks (excluding chassis with engines and parts of motor cycles and three-wheel vehicles sold separately)						
Motor bodies complete	..	1,679	..	2,684	9	47,49,66,124
Cabs for goods vehicles	..	58	..			
Other parts of motor bodies	..	1,748	..	1,907	9	49,52,74,114

Continued on next page

TABLE 6 (continued)

	1958		1963			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
		£'000		£'000	Number	
MOTOR VEHICLE PARTS AND ACCESSORIES (continued)						
Parts and accessories of motor vehicles, tractors and works trucks (excluding chassis with engines and parts of motor cycles and three-wheel vehicles sold separately)(continued)						
Gear boxes (new and re-conditioned) and parts thereof	2,306	9	43,44,52
Axles (new and reconditioned) and parts thereof	..	(b)	..	28	*	49
Clutches and parts thereof (other than linings containing asbestos)	226	8	41,51,52,53
Shock absorbers and dampers and parts thereof	246	*	52,70,74
Brakes and parts thereof (other than linings containing asbestos and brake cables sold separately)	..	1,430	..	2,656	12	41,52,58,74
Other parts and accessories new and reconditioned, not elsewhere specified						
For cars and commercial vehicles	..	16,439	..	2,976	31	42,52,64,74
For tractors and industrial and works trucks	2,117	46	41,44,46,52
Unclassified	7,022	43	49,52,64,70
OTHER PRODUCTS						
Trailers and caravans						
Complete	..	620	{	1,356	184	41,50,63,74
			{	..	554	
Parts	219	5	41,52,60
Total		28,520		29,245	..	

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

(b) Included in other parts and accessories new and reconditioned in 1958.

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

Firms employing 25 or more persons: United Kingdom

	1958	1963
	Value	Value
	£'000	£'000
Manufactures of iron and steel (a)	4,812	530
Agricultural machinery and parts	6,654	3,894
Metal working machine tools and parts	6,624	335
Engineers small tools and gauges		10,451
Industrial engines, complete and parts	572	12,369
Contractors' plant and quarrying machinery	4,146	8,390
Mechanical handling equipment and parts		818
Other non-electrical machinery not elsewhere specified	623	7,518
Industrial plant and steelwork, including parts	800	1,382
Ordnance and small arms	1,607	2,277
Other mechanical engineering products	12,688	11,423
Electrical machinery and insulated wires and cables	1,994(b)	495
Electrical equipment for motor vehicles, cycles and aircraft		
Lighting and starting sets for motor vehicles	3,990	4,030
Other		7,650
Other electrical products	3,311	6,219
Marine machinery		
Propelling machinery		
Internal combustion reciprocating engines		
Complete	1,338	630
Not over 50 b.h.p.		1,175
Over 50 b.h.p. not over 100 b.h.p.		693
Over 100 b.h.p. not over 300 b.h.p.		614
Parts		66
Other		
Motor cycles, three-wheel vehicles, complete and parts and parts of cycles	1,639	1,805
Aircraft complete, parts and accessories	5,148(c)	4,924
Locomotives, railway carriages and wagons, complete and parts	2,496	
Aluminium and aluminium alloys	(d)	274
Wire and wire manufactures		212
Miscellaneous metal manufactures	5,507	10,757
Plastics manufactures		74
Furniture and upholstery	6,121	773
Manufactures of rubber		722
Other products		9,888
Total goods sold	70,069	110,388

Continued on next page

TABLE 7 (continued)

	1958	1963
	Value	Value
	£'000	£'000
Work done		
Repair work:		
To motor vehicles including fork lift trucks	8,453	10,091
Other	1,411	1,898
Total work done	9,864(e)	11,989
Services rendered to other organisations (f)	..	2,302
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	55,860	166,570(g)
Canteen takings	1,247	2,230
Total	137,040 ^(e) _(h)	293,480

(a) Described as pig iron and iron and steel castings in 1958.

(b) Insulated wires and cables were not included in 1958.

(c) Complete aircraft were not included in 1958.

(d) Not separately distinguished in 1958, the value being included in other products.

(e) Revised figure. Repair work was included in the principal products table of the 1958 report on this industry.

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

(g) Including some inter-factory transactions.

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

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

This table is not applicable to this industry.

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

This table is not applicable to this industry.

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

Firms employing 25 or more persons: United Kingdom

	1954		1963	
	Quantity	Cost	Quantity	Cost
	Th.tons	£'000	Th.tons	£'000
Materials for processing				
Iron				
Pig iron, including refined pig iron, and other irons for remelting (a)	21.3	350	44.7	1,024
Castings	217 ..	19,453 3,574	..	62,082
Steel				
Bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares (b)	344	19,495	482	35,320
Plates, 3 mm. thick and over	265	11,947	204	10,556
Hoop and strip (including tape of all thicknesses)			215	11,944
Sheets under 3 mm. thick (including electrical sheets)	637	28,581	1,126	65,009
Tinplate, terneplate and blackplate	24.2 ..	1,439 399	8.5	718
Forgings (except drop forgings)	37.7 ..	2,857 2,338	148	21,350
Castings	21.9 ..	3,554 716	..	6,816
Drop forgings	..	(c)	320	40,722
Iron and steel not elsewhere specified except finished parts, wire and scrap				
Wrought tubes and fittings for wrought tubes (including welded, seamless, conduits, etc.)	4.2 ..	504 273	38.6 ..	4,395 787
Other	158 ..	20,708 5,493	60.6 ..	7,783 2,041
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap (d)				
Aluminium and aluminium alloys	35.5 ..	9,302 1,912	79.5	25,050
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys)	16.3	4,780	21.0	6,280
Copper (excluding blister)	5.8	1,877(e)	7.7	2,529
Zinc and alloys of zinc	..	(c)	14.1 ..	1,881 402
Wire and wire manufactures (excluding insulated wires and cables)				
Steel				
Wire (single wire)	..	521	..	1,039
Wire manufactures, including stranded wire of two or more ply	..	224	..	733
Copper wire and wire manufactures	..	401(f)	..	166
Wire and wire manufactures of other metals	..	14	..	163
Bolts, rivets, nuts and washers, screws, nails, tacks, etc.	..	8,575	..	21,380
Heavy chemicals (acids, alkalis, alcohols, other inorganic and organic chemicals, compressed gases, etc.)	..	(c)	..	2,728
Paint and varnish (including lacquers and stains)	Th.gal. 3,247 ..	8,403 3,668 2,008	Th.gal. 8,403 16.1 ..	10,029 85 1,386

Continued on next page

TABLE 10 (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing (continued)		£'000		£'000
Insulated wires and cables	..	(c)	..	3,952
Textiles				
Woven piece goods (other than narrow fabrics) wholly or mainly of (g)	Th.sq.yds.		Th.sq.yds.	
Cotton	{ 1,815	{ 514	{ 4,760	{ 484
	{ ..	{ 590		
Wool	{ 1,670	{ 824	{ 1,534	{ 953
Jute			{ 2,815	{ 363
Synthetic fibres (nylon, etc.)	{ 2,464	{ 453	{ 47.5	{ 31
	{ ..	{ 187	{ ..	{ 41
Other man-made fibres (rayon, etc.)			{ 473	{ 211
			{ ..	{ 60
Leather	..	1,835	..	2,412
Glass				
Safety				
Toughened	{ ..	{ 2,672	{ ..	{ 10,345
Laminated			{ ..	{ 1,156
Other plate and sheet	..	703	..	501
Glass fibre	..	(c)	..	492
Timber	Th.stds.		Th.stds.	
Softwood, sawn or planed, but not further prepared or manufactured	{ 8.5	{ 820	{ 5.6	{ 656
	{ ..	{ 567	{ ..	{ 801
Hardwood, sawn or planed, but not further prepared or manufactured	{ 1,770	{ 1,833	{ 1,417	{ 1,513
	{ ..	{ 280	{ ..	{ 174
Softwood and hardwood, manufactured or semi-manufactured (i.e. further prepared than sawn or planed)	..	(c)	..	885
Plywood, including blockboard, laminboard and battenboard	{ 18,502	{ 1,002	{ 33,757	{ 1,445
	{ ..	{ 118	{ ..	{ 273
Rubber tyres and other rubber products				
New covers for vehicles other than motor cycles, scooters and pedal cycles (h)				
Tubeless	{ ..	{ 20,905	{ ..	{ 16,157
Other			{ ..	{ 19,103
Inner tubes for vehicles other than motor cycles, scooters and pedal cycles (h)	..	2,406	..	1,735
Other rubber products	..	5,228	..	19,332
Leathercloth and decorative thermoplastic sheet (i)	..	2,914	..	5,746
Vehicle components and accessories for incorporation in the finished products of the industry				
Chassis with engines	Number		Number	
For cars, taxis, station wagons and estate cars	..	448		
For commercial vehicles	{ 1,471	{ 1,239	{ ..	{ 5,026
	{ ..	{ 754		
Chassis without engines including chassis frames	47,370	1,484	..	8,396
Bodies and parts				
Motor bodies complete				
For cars, taxis, station wagons and estate cars	{ 276,954	{ 24,982	{ 196,438	{ 37,993
	{ ..	{ 17,704		
For commercial vehicles	{ 38,968	{ 2,801	{ 67,792	{ 9,529
	{ ..	{ 3,165	{ ..	{ 2,525

TABLE 10 (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing (continued)		£'000		£'000
Vehicle components and accessories for incorporation in the finished products of the industry (continued)				
Bodies and parts (continued)				
Motor body shells				
For cars, taxis, station wagons and estate cars			{ 99,508	{ 10,435
			{ ..	{ 12,254
For commercial vehicles			{ 5,939	{ 626
Parts of bodies in sheet metal including cabs, panels, bonnets, wings, etc., not elsewhere specified	..	(c)	..	54,726
Petrol tanks			..	3,022
Complete engines (excluding engines forming part of chassis) for cars and commercial vehicles				
Compression ignition	{ 202,060	{ 18,512	{ 138,340	{ 24,209
	{ ..	{ 200	{ ..	{ 23,988
Other			{ 140,194	{ 11,952
Parts of engines (other than electrical) not elsewhere specified	..	(c)	..	54,857
Ball and roller bearings and parts thereof	..	7,862	..	18,321
Gear boxes			..	8,100
Radiators complete and radiator blocks			..	7,363
Steering gear and parts	..	(c)	..	11,410
Axles			..	33,530
Springs				
Laminated	..	5,180	..	8,348
Other types			..	3,682
Precision chain (e.g. transmission and timing)			..	931
Wheels and parts thereof (excluding tyres) not included elsewhere			..	11,981
Brakes and parts thereof			..	22,042
Clutches and parts thereof	..	(c)	..	6,930
Shock absorbers and dampers except of rubber			..	16,329
Heaters			..	8,312
Measuring instruments and indicators (not electrically operated) and parts	..	3,711	..	3,547
Plastic goods moulded and fabricated	..	1,093	..	3,410
Electrical equipment and electrically operated instruments and equipment				
Electric motors, separately purchased	..	2,234	..	5,880
Dynamos and magnetos, separately purchased	..	2,088	..	5,131
Lighting, starting and ignition sets (including lamps therefor)			..	17,100
Batteries and accumulators	..	14,682	..	8,024
Other electrical equipment such as sparking plugs, electric horns, direction indicators, windscreen wipers, etc., and electrically operated measuring instruments and parts			..	17,597
Fittings for doors, windows, boots and lockers (locks, keys, catches, handles, winding mechanisms, etc.)			..	10,379
Seats and seating, including cushioning and legs, supports, sliding mechanisms, etc.	..	(c)	..	15,045
Woven and tufted floor coverings			..	4,013

Continued on next page

TABLE 10 (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing (continued)		£'000		£'000
Vehicle components and accessories for incorporation in the finished products of the industry (continued)				
Other vehicle components and accessories not elsewhere specified	..	90,560	..	104,997
Purchased secondhand motor vehicles for reconditioning	..	194	..	152
			Th.gal.	
			8,653	2,405
Lubricating oils and greases (including cutting oils and emulsions)	..	(c)	Th.cwt.	
			17.0	87
			..	311
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	..	14,141	..	16,740
All other materials for processing	..	118,031	..	61,287
Packaging materials				
Paper and board				
Boxes, cartons, packing cases, and drums and canisters (with or without metal ends) of paper, cardboard and fibreboard	..	631	..	2,899
Wrapping paper (including paper coated with plastics and any laminates incorporating paper but not metal), moulded pulp units, labels and other packaging materials of paper, cardboard and fibreboard (except multiwall sacks)	..	(c)	..	583
Timber				
Containers wholly or mainly of wood, including plywood boxes and drums, baskets and wickerwork crates	..	2,403	..	2,229
Timber (sawn or planed) for manufacture into packing cases, etc.			Th.cu.ft.	
			2,996	1,478
			..	928
Plywood for manufacture into packing cases			Th.sq.ft.	
			406	15
Other wood products for packaging, including wood wool	..	(c)	..	71
Sheet, film, foams, etc., wholly or mainly of polyethylene (including bags and lay flat tubing)			..	609
Jute and hessian piece goods, sacks and bags			..	67
All other packaging materials	..	1,202	..	905
Fuel and electricity (d)	Th.tons		Th.tons	
Coal	647	2,361	407	2,000
			..	1,704
Coke (including screenings) and manufactured fuel	83.3	562	29.8	272
			..	106
	Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	9,406	1,726	7,878	1,462
			..	1,018
Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases)	19,168	1,000	86,081	4,298
			..	687

TABLE 10 (continued)

	1954		1963	
	Quantity	Cost	Quantity	Cost
Fuel and electricity (d) (continued)		£'000		£'000
Gas	Th.therms		Th.therms	
	31,387	2,084	39,450	2,643
			..	838
Electricity	Th.kWh		Th.kWh	
	905,327	4,343	1,597,062	8,930
			..	3,858
Total cost of materials and fuel		546,194		1,163,737
Goods purchased for merchandising		..		159,478
Canteen purchases		..		1,925
Total cost of purchases		..		1,325,140

(a) Described in 1954 as 'pig iron' only.

(b) 'Pillars rolled (not fabricated)' were not included in 1954. 'Hollows and Shells' which were included in 1954 are not included in 1963.

(c) Not separately distinguished in 1954.

(d) 'Wire' was not excluded in 1954.

(e) 'Blister' was not specifically excluded in 1954.

(f) Described as copper wire only in 1954.

(g) Main heading in 1954 did not exclude 'narrow fabrics'.

(h) Motor cycles and scooters were not excluded in 1954.

(i) Described in 1954 as 'Leathercloth'.

(j) Owing to the risk of disclosure of information relating to individual firms the quantity of electricity generated in 1954 and 1963 cannot be given.

TABLE 11 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.	3,995
Transport costs		
Wages and salaries	£'000	3,689
Derv fuel and motor spirit	"	2,479
Payments to other organisations for transport	"	9,901
Costs of operating road goods vehicles		
Insurance	"	173
Vehicle licences	"	165
Depreciation	"	1,544
Payments to other organisations for repairs and maintenance	"	327
Total	"	18,278

TABLE 12 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	3,804
Road goods vehicles	327
Plant, machinery, and other capital equipment	11,544
Insurance, licensing and depreciation of road goods vehicles (b)	1,882
Rates, excluding water rates	6,868
Hire of plant and machinery	1,867
Postage, telephone, telegrams and cables	3,495
Total	29,787

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

(b) For details see Table 11.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger 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)	0.9	November	0.5
May	0.5	December	43.5
June	2.0	1964	
July	26.8	January	2.2
August	3.7	February	0.3
September	12.7	March	3.1
October	3.8	Total	100

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

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

This table is not applicable to this industry.

Capital Expenditure (continued)

(ii) Land and existing buildings.

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

(iii) Plant, machinery and vehicles.

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

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

Characteristic Products

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

Enterprise

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

Entries

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

Establishment

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

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

Gross Output

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

Larger Firms

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

Net Output

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

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

Net output per person employed

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

Principal Products

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

Production

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

List of Industry Reports, etc

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 merchanting 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 merchanting 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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