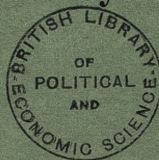


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BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948
Volume 3
Trade I
Motor Vehicles and Cycles (Manufacturing)



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

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

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* Not applicable to this trade

MOTOR VEHICLES AND CYCLES (MANUFACTURING)

3/I/1

MOTOR VEHICLES AND CYCLES (MANUFACTURING) TRADE

THIS REPORT on the Motor Vehicles and Cycles (Manufacturing) Trade relates to establishments engaged wholly or mainly in the manufacture of motor vehicles and cycles, including parts and accessories other than electrical equipment, rubber tyres and tubes, transmission chains, ball and roller bearings, and springs. Establishments wholly or mainly engaged in repair work are dealt with in a separate report. In 1937 and 1935 all establishments engaged in the manufacture of motor vehicles and cycles were included in the manufacturing trade even though their main output consisted of repair work. Particulars of the returns for 1935 included in this report that showed the major part of the output as repair work are as follows (similar particulars are not available for 1937):-

Gross output	£1,920,000
Net output	£1,084,000
Average number of persons employed	6,204
Number of establishments	139

This trade corresponds to minimum list heading 80 and part of heading 83 (which covers also parts and accessories for aircraft) in the Standard Industrial Classification.

Any establishments in this trade in Northern Ireland are excluded in 1948. Owing to the risk of disclosure of information relating to individual firms, separate particulars of the very small output in Northern Ireland were not published for 1935.

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3/1/2

VEHICLES
MOTOR VEHICLES AND CYCLES (MANUFACTURING) TRADE

Summary
Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
	£'000	£'000	£'000
Gross output (production)	469,352	164,466	129,503
Cost of materials and fuel used	285,243	100,709	77,499
Payment for work done on materials given out	5,411	560	449
Net output	178,698	63,197	51,555
Wages and salaries of persons employed	115,935	..	..
Average number of persons employed (c)	316,150 (d)	234,185	206,625
Net output per person employed (c)	£ 565	£ 270	£ 250
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	57,442	..	..
Materials and fuel	51,584	..	..
Number of establishments	No. 1,024	No. ..	No. 822

- (a) Great Britain only.
(b) United Kingdom.
(c) Excluding outworkers.
(d) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way:-

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	420,711	151,571	122,175
Other output (see Table 10)	40,356	9,993	7,015
Adjustment for changes in stocks and work in progress	+ 9,436 (a)	+ 2,902 (b)	+ 313 (b)
	470,504	164,466	129,503
Less payment for transport by other firms	1,152		
Gross output (production)	469,352	164,466	129,503
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	292,132	100,709	77,499
Adjustment for changes in stocks (see Table 14)	- 6,889		
Materials and fuel used	285,243	100,709	77,499

- (a) See Table 14.
(b) Work in progress only.

MOTOR VEHICLES AND CYCLES (MANUFACTURING)

3/1/3

Summary
Small firms in Great Britain

TABLE 2

Number of returns	715
Average number of persons employed (a)	
Males	3,602
Females	397
Total	3,999

(a) Including working proprietors.

Estimated average employment, 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	316,150
Employing on average ten persons or less (b)	3,999
	320,149
Estimated average employment in firms not making satisfactory returns	1,735
Estimated average employment in all firms	321,884

- (a) See Tables 1 and 15.
(b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	232	4,518	2,177	4,161	971	287	1,258	523
25-49	247	10,390	4,643	8,587	2,154	536	2,690	541
50-99	178	14,845	7,016	12,828	3,223	897	4,121	547
100-199	129	21,187	10,155	17,991	4,802	1,223	6,026	564
200-299	69	22,729	9,730	16,931	4,651	1,249	5,900	575
300-399	24	10,794	4,086	7,917	2,126	572	2,698	516
400-499	19	11,998	5,218	8,391	2,279	749	3,028	622
500-749	30	22,094	10,336	18,547	5,076	1,117	6,193	557
750-999	23	25,570	11,065	20,529	5,419	1,662	7,081	539
1,000-1,499	28	46,098	19,651	34,740	10,148	2,494	12,641	566
1,500 and over	45	279,128	94,622	165,528	52,864	11,434	64,298	572
Total	1,024	469,352	178,698	316,150	93,714	22,221	115,935	565

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
Northern	15	1,345	754	0.4	1,277	324	100	424
East and West Ridings of Yorkshire	66	17,623	7,981	4.4	14,856	3,899	1,046	4,945
North Midland	50	19,337	8,979	5.0	16,413	4,543	1,005	5,549
Eastern	48	36,536	11,661	6.5	20,358	6,379	1,790	8,169
London and South Eastern	247	108,836	41,934	23.5	66,566	20,556	5,373	25,929
Southern	46	35,027	11,215	6.3	20,212	6,173	1,305	7,478
South Western	38	3,705	1,424	0.8	3,640	879	288	1,167
Midland	370	204,402	77,325	43.3	136,073	41,509	8,924	50,432
North Western	101	32,041	13,251	7.4	27,323	7,226	1,822	9,048
Total England	981	458,851	174,505	97.7	306,718	91,488	21,653	113,141
Wales	12	5,567	2,002	1.1	4,563	1,128	229	1,357
Scotland	31	4,934	2,191	1.2	4,869	1,098	338	1,437
Great Britain	1,024	469,352	178,698	100.0	316,150	93,714	22,221	115,935

Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Cars and chassis (including taxicabs)	36	83,792	59,690	24,388	46,016	14,831	3,073	17,904	530
Commercial vehicles and chassis (including tractors, etc.)	120	171,889	101,488	50,807	84,617	26,096	7,009	33,105	600
Motor cycles and tri-cars	21	15,410	9,822	7,035	12,022	3,159	781	3,940	585
Motor bodies, trailers, side-cars, etc.	293	54,650	35,880	26,496	48,305	15,178	2,899	18,077	549
Engines for motor vehicles	9	13,009	8,397	5,448	12,268	3,598	813	4,411	444
Other parts and accessories for motor vehicles	349	92,629	67,159	46,046	81,051	22,336	5,702	28,098	568
Bicycles and tricycles (not mechanically propelled) and parts and accessories	118	27,854	25,314	13,381	21,807	5,730	1,155	6,886	614
Remainder of the trade	78	10,118		5,097	10,064	2,786	729	3,515	506
Total	1,024	469,352		178,698	316,150	93,714	22,221	115,935	565

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades

Larger establishments

TABLE 8

	1948(a) Sales		1937(b) Production		1935(b) Production		
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Cars (excluding taxis and tri-cars) and chassis therefor (c)							
Complete cars							
Not exceeding 1,000 c.c.	48,750	10,231	6	108,005	10,428	106,888	10,307
Exceeding 1,000 c.c. but not exceeding 1,200 c.c.	147,368	35,529	7	183,015	26,365	150,663	21,801
Exceeding 1,200 c.c. but not exceeding 1,600 c.c.	35,171	11,612	12				
Exceeding 1,600 c.c. but not exceeding 1,900 c.c.	30,517	13,587	8	46,343	8,939	43,402	8,611
Exceeding 1,900 c.c. but not exceeding 2,200 c.c.	23,985	11,224	7				
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.	13,153	5,929	8	16,157	4,551	14,861	4,352
Exceeding 2,800 c.c. but not exceeding 3,500 c.c.	2,197	1,661	5	17,820	4,850	10,941	3,184
Exceeding 3,500 c.c. but not exceeding 4,300 c.c.	5,848	4,920	10				
Exceeding 4,300 c.c.	31	91	..				
Chassis							
Not exceeding 1,000 c.c.	3,884	424	..	7,961	422	2,122	117
Exceeding 1,000 c.c. but not exceeding 1,200 c.c.	4,875	713	..	9,556	665	8,528	610
Exceeding 1,200 c.c. but not exceeding 1,600 c.c.	3,638	445	5				
Exceeding 1,600 c.c. but not exceeding 1,900 c.c.	3,387	656	..	5,883	451	5,851	572
Exceeding 1,900 c.c. but not exceeding 2,200 c.c.	3	1	..				
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.	1,751	281	5	2,259	233	612	135
Exceeding 2,800 c.c. but not exceeding 3,500 c.c.	93	57	..	4,238	1,807	3,588	1,600
Exceeding 3,500 c.c.	431	427	..				

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Taxis and chassis therefor							
Complete	380	237	..	82	36	397	124
Chassis	22	9	..	840	141	1,463	244
Total cars, taxis and chassis therefor	325,484	98,034	..	402,159	58,888	349,316	51,657
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor (d)							
Passenger vehicles with internal combustion engines, complete							
Designed to seat not more than 32 passengers	142	283	12	279	315	358	346
Designed to seat more than 32 and not more than 48 passengers	180	641	9	46	72	137	207
Designed to seat more than 48 and not more than 60 passengers	1,039	3,821	7	452	790	249	405
Chassis for commercial passenger vehicles with internal combustion engines	11,709	16,007	18	6,252	4,262	4,453	3,107
Total commercial passenger vehicles with internal combustion engines and chassis therefor (e)	13,070	20,751	..	7,029	5,439	5,197	4,065
Electric trolley buses							
Complete vehicles	27	151	..	195	530	80	158
Chassis	580	1,188	5	395	357	163	141
						..	26
Delivery vans and dual purpose vehicles (utilities) with internal combustion engines, complete							
Not exceeding 15 cwt. unladen weight	31,980	7,647	10				
Over 15 cwt. unladen weight	28,708	6,662	22				
Other goods vehicles with internal combustion engines, complete							
Over 15 cwt. but not exceeding 3 tons unladen weight							
With light-oil engines	30,066	13,658	17	56,703	11,437	48,559	8,646
With heavy-oil engines	1,229	1,293	10		(f) (g)		(f) (g)

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor (d) (contd.)							
Other goods vehicles with internal combustion engines, complete (contd.)							
Over 3 tons unladen weight							
With light-oil engines	4,528	2,492	24				
With heavy-oil engines	2,023	3,442	24				
Unclassified delivery vans and other goods vehicles with internal combustion engines, complete	930	491	19	-	-	-	-
Chassis for goods vehicles with internal combustion engines (h)							
With light-oil engines	47,729	17,230	13				
With heavy-oil engines	5,547	7,408	13	48,209	10,326	36,866	7,216
Total goods vehicles with internal combustion engines and chassis therefor	152,740	60,324	..	104,912(1)	21,763	85,425(1)	15,862
Electrically operated goods vehicles (other than industrial trucks)							
Complete vehicles	4,056	2,037	15	762	185(f)	640	147(f)
Chassis	690	235	..	151	37	113	19
Tractors for road haulage							
With light-oil engines	490	270	..				
With heavy-oil engines	832	948	10	1,761	441	2,048	429
Motor fire engines, fire escapes and trailer pumps (j)	120	169	..	-	-	-	-
Other commercial motor vehicles							
Complete	1,067	1,194	16	648	447	432	289
Chassis	156	137	..	136	39	99	39
Unclassified cars, taxis and commercial vehicles, complete	..	78	21	-	-	-	-

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Agricultural tractors							
Three and four wheeled	101,860	28,698	14	18,094	1,852	7,771	809
Track-laying	3,386	1,368	10				
Market garden tractors, wheeled (j)	16,727	1,236	11				
Industrial trucks (of types used in factories, warehouses, railway stations and docks)							
With light-oil engines	2,770	1,735	15	164	41	204	43(j)
With heavy-oil engines	35	44	6				
Electrically operated	2,376	954	17				
Reconditioned motor vehicles (j)	1,943	1,329	26	-	-	-	-
	..	285					
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately							
Motor bodies, complete							
For cars and taxis	227,227	16,395	56	171,581	5,950	134,793	5,258
	..	5,331					
For commercial vehicles							
Trolley buses	320	740	8	485	466	199	179
Other passenger vehicles							
Single deck	6,156	7,821	100	3,736	1,962	3,374	1,584
Double deck	3,326	6,751	34	2,362	1,776	1,878	1,313
Delivery vans (including utilities)	47,900	4,224	219	53,837	2,147	50,262	1,941
Other goods vehicles	16,135	2,348	150				
Other commercial vehicles	9,733	1,023	41	3,402	356	..	(k)
	..	123					
Unclassified	2,803	610	147	-	-	-	-
	..	332					
Total motor bodies	313,600	39,913	..	235,403	12,657	190,506	10,275
	..	5,786					
Panels for motor bodies	No. of sets 66,760	1,919	33	..	(k)	..	(k)
Other parts of motor bodies	..	11,300	166	..	2,693	..	1,558

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately (contd.)							
Chassis without engines	125,954	1,954	9	..	(k)	..	(k)
Internal combustion engines, complete							
Diesel and similar types constructed solely for commercial use	16,182	4,471	13	8,073	2,145	3,192	839(1)
Other	95,752	4,930	19	141,984	3,583	141,981	2,996(m)
(m)							
Parts of engines, not elsewhere specified	..	10,087	105	..	2,565	..	1,542(j)
Gear boxes	11,167	486	21	5,991	118	11,542	185
	..	52					
Axles	No. Tons 76,443 5,730	1,525	25	274,611	15,288	1,535	180,204
	25,981 ..	1,326 ..					
	.. ..	2,072					10,998
		Tons		Tons			Tons
Wheels and parts thereof, not included elsewhere, except tyres and tubes	59,028	3,958	19	39,257	1,367	34,335	1,217
Brakes and parts thereof other than linings containing asbestos	24,911	2,591	32	..	(k)	..	(k)
	..	4,013					
Brake cables, etc. for motor vehicles except motor-cycles (j)	..	242	..	-	-	-	-
Clutches and parts thereof other than linings containing asbestos	13,164	1,707	18	..	(k)	..	(k)
Gaskets and jointings	3,286	1,446	37	..	383	..	262
	..	653					
Carburettors	Thous. 877	1,409	7	Thous. 563	476	Thous. 455	359
Radiators	482	3,936	31	301	1,237	259	1,004
Windscreens, windshields, etc.	1,102	2,205	29	452	510	287	326
	..	..		..	108	..	86
Windscreen wipers and parts thereof (n)	cwts. 850	81	14	713	364	142	82(j)
	..	445					
	Thous.					..	34
Sparking plugs (including sparking plugs for motor-cycles, tri-cars, etc.)	23,870	2,251(o)	9	5,916	449	5,386	451

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Thous.	£'000	No.	Thous.	£'000		£'000
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately (contd.)							
Instruments, not electrical (including instruments for motor-cycles and tri-cars) (p)							
Speedometers	755	757	11	685	448	..	409
Other, except clocks, thermostats and pressure gauges	..	639	11	..	27	..	(k)
Registration number plates	823	278	21	..	(k)	..	(k)
	..	81		..			
Sheet metal work, such as bumpers, dust shields, bonnets, mudguards, petrol tanks, etc. (j)	..	3,170	59	..	1,881	..	2,426
Parts and accessories of motor vehicles not specified above (q)	..	29,719	245	..	7,077	..	7,194
Unclassified parts and accessories of motor vehicles	..	10,569	215	..	8,588	..	3,823
Total parts and accessories of motor vehicles (except bodies)		110,289	..		35,534		25,873
Parts of tractors, not elsewhere specified:	..	8,218	173	..	457	..	175
Reconditioned motor vehicle parts and accessories (j)	..	218	6	-	-	-	-
Motor-cycles and tri-cars	No.			No.		No.	
Motor-cycles, complete (including motorised bicycles)							
Not exceeding 100 c.c.	18,490	627	11	82,014	3,243	59,157	2,216
..	..	68					
Over 100 c.c. but not exceeding 250 c.c.	29,038	1,650	9				
Over 250 c.c. but not exceeding 350 c.c.	27,045	2,603	11				
Over 350 c.c.	45,752	5,042	9				
Tri-cars, complete, passenger and goods	2,318	395	4	1,234	109	5,259	397
Total motor-cycles and tri-cars	122,643	10,317	..	83,248	3,352	64,416	2,613
	..	68					

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Motor-cycles and tri-cars (contd.)							
Parts and accessories of motor-cycles and tri-cars							
Sidecars	7,451	281	8	11,024	132	9,657	105
..	..	30					
Engines, complete	77,182	1,297	10	41,802	249	31,763	188
Parts of engines, not elsewhere specified	..	389	24	..	178	..	126
Gear boxes and carburettors	..	612	11				
Wheels and parts thereof not included elsewhere, except tyres and tubes	1,046	126	15	690	34	390	18
..	..	83					
Saddles	79	58	10	199	76	..	29(j)
..	..	90					
Inflators	147	24	6				
Brake cables for motor-cycles (j)	..	113	..	..	553	..	646
Other parts and accessories not elsewhere specified (q)	..	1,289	43				
Unclassified parts and accessories	..	1,237	36	..	457	..	676
Total parts and accessories of motor-cycles and tri-cars		5,628	..		1,692		1,804
Cycles (not mechanically propelled)							
Complete bicycles and tricycles (other than children's with a frame smaller than 15 ins.)	2,628	19,132	47	2,057	7,033	1,900	6,534
Parts and accessories of cycles							
Frames and frame tubes	254	145	17	2,166	307	3,223	432
..	..	48					
Wheels and parts thereof not included elsewhere, except tyres and tubes	7,988	1,040	16	8,216	434	7,240	383
..	..	118					
Hubs (other than for variable gears) including coaster hubs	3,503	746	13	4,410	724(r)	3,872	685(r)
Free-wheels	3,747	415	6	4,142	239	..	153(j)
Gear cases	999	228	8	419	80	326	63(j)
..	..	..	..	..	22	..	28
Saddles	4,327	1,604	11	3,329	460	2,733	399
						..	46

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	Thous.	£'000	Thous.	£'000
Cycles (not mechanically propelled) (contd.)							
Parts and accessories of cycles (contd.)							
Mudguards	7,787 ..	543 99	16	9,194	184	7,615	175
Bells	3,314 ..	176 142	16	2,212	83	..	82(j)
Inflators	5,811	632	11	4,730	166	4,271	149
Reflectors	173 ..	5 48	11	2,542	39	1,461	35(j)
Lamps for cycles, other than electric lamps	78 ..	10 33	..	1,131	200	1,799	356(s)
Head and bracket fittings	239 ..	76 238	10	..	1,598	..	1,589
Other parts and accessories of cycles (q)	..	4,458	..	..	..	..	..
Unclassified parts and accessories of cycles	..	1,703	58	..	166	..	182
Total parts and accessories of cycles		12,508	..		4,821		4,833
Trailers and trailer-caravans, complete	No.			No.		No.	
Trailers for road use	18,648 ..	3,492 693	64	8,021	871	5,272	578
Trailers for industrial trucks	1,489	153	17	738	111	..	24
Caravans	3,145 ..	1,389 180	44	..	24	..	..
Reconditioned trailers and trailer caravans and trailer fire pumps (j)	..	154	..	-	-	-	-
Parts of trailers and trailer caravans (j)	..	486	46	-	-	-	-
Invalid chairs, mechanically propelled							
Complete	2,167	216	8	209	13	274	11
Parts	..	11	8	..	(k)	..	(k)
Waste products, other than scrap metals	..	270	87	..	(k)	..	(k)
Work done for the trade or on commission (t)		1,681	112		956		462
Total		442,150	..		157,540		126,842
Less sales (or production) in other trades (see Table 9)		21,438	..		5,969		4,667
Total principal products of this trade sold or made by establish- ments in the trade		420,711	860		151,571		122,175

TABLE 8 (contd.)

- (a) Great Britain only.
 (b) United Kingdom.
 (c) In 1937 and 1935 classification was by horse-power. The output in those years has been set against the most nearly corresponding class of vehicles in 1948 as follows:-

1948 definition	1937 and 1935 definition
Not exceeding 1,000 c.c.	Not exceeding 8 h.p.
Exceeding 1,000 c.c. but not exceeding 1,600 c.c.	Over 8 h.p. not exceeding 12 h.p.
Exceeding 1,600 c.c. but not exceeding 2,200 c.c.	Over 12 h.p. not exceeding 16 h.p.
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.	Over 16 h.p. not exceeding 20 h.p.
Exceeding 2,800 c.c.	Over 20 h.p.

- (d) For steam driven commercial vehicles see the Railway Locomotive Shops and Locomotive Manufacturing Trade (Volume 3, Trade L).
 (e) Of the output of passenger vehicles and chassis, 7,216 in 1948, 4,773 in 1937 and 3,118 in 1935 were fitted with heavy oil engines.
 (f) Not described as excluding industrial trucks.
 (g) Recorded as:-

	1937		1935	
	No.	£'000	No.	£'000
Goods vehicles with internal combustion engines				
Capacity not exceeding 15 cwts.	32,601	4,213	27,617	3,029
Capacity exceeding 15 cwts. and not exceeding 30 cwts.	7,635	1,399	6,818	1,224
Capacity exceeding 30 cwts. and not exceeding 50 cwts.	6,395	1,487	7,863	1,685
Capacity exceeding 50 cwts.	10,072	4,338	6,261	2,708

- (h) Of the total output of chassis for goods vehicles in 1948, 48,395 would, when complete with body not exceed 3 tons and 4,881 would exceed 3 tons unladen weight.
 (i) Of these totals, 3,096 in 1937 and 2,059 in 1935 were fitted with heavy oil engines.
 (j) So far as recorded separately.
 (k) Not separately recorded.
 (l) Described as "Internal combustion - heavy oil".
 (m) Described as "Internal combustion - light oil".
 (n) Excluding parts in 1937 and 1935.
 (o) Including sparking plugs for aircraft, so far as recorded separately.
 (p) For electrical instruments see the Electrical Engineering (General) Trade (Volume 4, Trade K); for clocks, the Watch and Clock Trade (Volume 5, Trade I); for thermostats, the Scientific, Surgical and Photographic Instruments Trade (Volume 5, Trade H); and for pressure gauges, the Mechanical Engineering (General) Trade (Volume 4, Trade I).
 (q) For transmission chains and ball and roller bearings, see the Mechanical Engineering (General) Trade (Volume 4, Trade I); for electrical equipment, the Electrical Engineering (General) Trade (Volume 4, Trade K); for springs, the Chain, Nail, Screw and Miscellaneous Forgings Trade (Volume 5, Trade C); for brake and clutch linings containing asbestos, the Asbestos Trade (Volume 7, Trade A); and for rubber tyres and tubes, the Rubber Trade (Volume 11, Trade A).
 (r) Described as "Hubs".
 (s) Including lamps operated by dry batteries.
 (t) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades
Larger establishments

TABLE 9

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Complete cars (excluding taxis and tri-cars)							
Exceeding 1,200 c.c. but not exceeding 1,900 c.c.	1,752	1,366	..	-	-	88	29 (c)
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.							
Exceeding 3,500 c.c. but not exceeding 4,300 c.c.							
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor							
Passenger vehicles with internal combustion engines, complete, designed to seat not more than 60 passengers	123	499	5	-	-	-	-
Electric trolley buses							
Complete vehicles	-	-	-	-	-	14	18
Chassis	41	78	..	30	27	52	47
Delivery vans and dual purpose vehicles (utilities) with internal combustion engines, complete	142	87	8	14	28	26	13
Other goods vehicles with internal combustion engines, complete							
With light-oil engines	440	206	12				
With heavy-oil engines	371	608	11				
Unclassified delivery vans and other goods vehicles with internal combustion engines, complete	397	323	14				
Total goods vehicles with internal combustion engines and chassis therefor	1,350	1,204	..	14	28	26	13
Electrically operated goods vehicles (other than industrial trucks), complete	662	190	..	334	88	237	57
Tractors for road haulage							
With light-oil engines	12	7	..	12	7	35	20
With heavy-oil engines	37	43	..				

TABLE 9 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No.	£'000	No.	No.	£'000	No.	£'000
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor (contd.)							
Other commercial motor vehicles, complete	63	74	6	-	-	-	-
Unclassified cars, taxis and commercial vehicles, complete	..	48	20	-	-	-	-
Agricultural tractors							
Three and four wheeled and market garden, wheeled	358	319	6	620	169	209	50
Track-laying	552	149	..				
Industrial trucks (of types used in factories, warehouses, railway stations and docks)	1,364	626	7	122	31	194	42
Reconditioned motor vehicles	..	94	7	-	-	-	-
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately							
Motor bodies, complete							
For cars and taxis	810	342	21	-	-	991	44
For commercial vehicles	..	7					
Passenger vehicles (excluding trolley buses)							
Single deck	511	433	33	73	37	218	108
Double deck	444	917	8	510	366	823	569
Delivery vans (including utilities)	2,165	361	106	1,608	149	3,362	196
Other goods vehicles	382	58	11				
Other commercial vehicles, including trolley buses	344	345	9	243	200	116	104
Unclassified	..	40					
Unclassified	2,652	595	136	-	-	-	-
	..	117					
Total motor bodies	7,328	3,051	..	2,434	752	5,510	1,021
	..	164					

TABLE 9 (contd.)

	1943(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	No. of sets	£'000	No.	No.	£'000	No.	£'000
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately (contd.)							
Panels for motor bodies	406	12	6	..	132	..	73
Other parts of motor bodies	..	549	51	..	..	..	..
Chassis without engines	No. 54	1	..	..	(d)	..	(d)
Internal combustion engines, complete	4,523	353	6	3,718	922	386	69
Parts of engines, not elsewhere specified	..	1,516	49	..	811	..	401
Gear boxes and axles	{ 2,029 .. Tons	{ 136 52	{ ..	{ 3,975 Tons	{ 76	{ 737 Tons	{ 5
Wheels and parts thereof, not included elsewhere, except tyres and tubes	287	18	..	8,680	241	5,393	151
Brakes and parts thereof other than linings containing asbestos	{ 118 ..	{ 48 264	{ 8	{ ..	{ (d)	{ ..	{ (d)
Clutches and parts thereof other than linings containing asbestos	346	100	..	..	(d)	..	(d)
Gaskets and jointings	{ 758 .. Thous.	{ 327 91	{ 15	{ ..	{ (d)	{ ..	{ (d)
Radiators	42	333	9	Thous. 3	11	Thous. 5	18
Instruments, not electrical (including instruments for motor-cycles and tri-cars)							
Speedometers and other, except clocks, thermostats and pressure gauges	..	246	7	..	21 ^(b)	..	27 ^(c)
Registration number plates	..	58	6	..	(d)	..	(d)
Sheet metal work, such as bumpers, dust shields, bonnets, mudguards, petrol tanks, etc.	..	546	30	..	96	..	87
Parts and accessories of motor vehicles not specified above	..	3,765	53	..	1,208	..	747
Unclassified parts and accessories	..	2,133	145	..	511	..	1,036
Total parts and accessories of motor vehicles (except bodies)		10,546	..		4,029		2,614

TABLE 9 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
		£'000	No.		£'000		£'000
Parts of tractors not elsewhere specified and reconditioned, motor vehicle parts and accessories	..	702	86	..	114	..	40
Motor-cycles and tri-cars; and invalid chairs, mechanically propelled				No.		No.	
Complete	..	73	..	88	5	107	10
Parts and accessories of motor-cycles and tri-cars (excluding parts of invalid chairs)							
Engines, complete	-	-	-	35	1	1,085	11
Parts of engines, not elsewhere specified	..	17	9	-	-	-	-
Other parts and accessories not elsewhere specified including sidecars, wheels and parts thereof (except tyres and tubes), saddles and inflators	..	257	12	..	85	..	72
Unclassified parts and accessories	..	359	5	..	..	..	..
Total parts and accessories of motor-cycles and tri-cars		632	..		86		83
Parts of mechanically propelled invalid chairs	..	4	..	-	-	-	-
Cycles (not mechanically propelled)	Thous.			Thous.		Thous.	
Complete bicycles and tri-cycles (other than children's with a frame smaller than 15 ins.)	10	46	..	8	19	6	19
Parts and accessories of cycles							
Bells	{ 1,431 ..	{ 78 116	{ 6	{ ..	{ ..	{ ..	{ ..
Inflators	201	21	..	..	..	..	..

TABLE 9 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Thous.	£'000	No.		£'000		£'000
Cycles (not mechanically propelled (contd.))							
Parts and accessories of cycles (contd.)							
Reflectors	{ 9 ..	{ - 31	{ 6				
Other parts and accessories not elsewhere specified, including frames and frame tubes; wheels and parts thereof (not included elsewhere (except tyres and tubes); hubs (other than for variable gears) including coaster hubs saddles; lamps, other than electric; and head and bracket fittings	..	773	32	{ ..	277	{ ..	460
Unclassified parts and accessories	..	214	25	..	4	..	12
Total parts and accessories of cycles		1,233	..		281		472
Trailers and trailer-caravans, complete	No.			No.		No.	
Trailers for road use	{ 394 ..	{ 172 28	{ 11				
Trailers for industrial trucks	316	20	7	{ 2,903 ..	{ 207 7	{ 1,241	112
Caravans	{ 25 ..	{ 11 10	{ 7				
Parts of trailers and trailer-caravans	..	33	11	-	-	-	-
Work done for the trade or on commission (f)	..	14	5	..	119	..	20
Total		21,438	..		5,969		4,667

(a) Great Britain only.

(b) United Kingdom.

(c) Including taxis.

(d) Not separately recorded.

(e) Speedometers only.

(f) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) in the trade of other than principal products

Larger establishments

TABLE 10

	1948 (a) Sales	1937 (b) Production	1935 (b) Production
	£'000	£'000	£'000
Aircraft engines and parts	525	500	57
Other aircraft parts and accessories	3,634	1,044	379
Ball bearings, roller bearings and steel transmission chains	25	175	180
Children's cycles and parts	440	194	85
Electrical equipment for motor vehicles and cycles, etc.	648	398	225
Electrical machinery and apparatus and parts thereof	686		
Scientific, surgical and photographic instruments and parts	110	76	85
Rail vehicles, steam driven road vehicles and road rollers, and parts	1,226	242	220
Non-mechanically propelled vehicles (except cycles) and parts	587	94	92
Fairground equipment	111	55	22
Internal combustion engines, other than for motor vehicles and aircraft, and parts	1,922	377	184
Engineers' tools	2,692	186	200
Agricultural machinery and parts	1,527	1,064	594
Civil engineering and contracting machinery and plant, and parts	275		
Food preparation and processing machinery, and parts	389		
Marine machinery and parts	584		
Other engineering products	5,743		
Metal furniture and parts	954	557	361
Other manufactures of iron and steel	4,245		
Other manufactures of non-ferrous metals	1,456	206	178

TABLE 10 (contd.)

	1948(a) Sales	1937 (b) Production	1935 (b) Production
	£'000	£'000	£'000
Manufactures of wood	1,147	99	62
Other goods	1,584	474	398
Scrap metal sold			
Iron and steel	873	539	
Aluminium	130	63	
Brass	310	99	13
Copper	224	47	
Other and unclassified	388	105	
Repair work (c)			
To motor vehicles and motor-cycles	6,734	2,990	3,247
To other cycles	32	46	58
To other vehicles	197	87	117
Other repairs	608	261	258
Other work (c)	350	15	-
Total	40,356	9,993	7,015

(a) Great Britain only.

(b) United Kingdom.

(c) Amount charged in 1948 and amount received in 1937 and 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	13,009	2.9
Export sales organisations (including branches abroad)	51,299	11.4
Other wholesale or selling organisations	24,443	5.4
Retail shops, etc.	248	-
Total sales (or transfers) to other organisations under the same control	88,999	19.7
Sales to independent buyers		
Exports invoiced directly overseas	49,939	11.1
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	15,885	3.5
His Majesty's Government and Local Authorities (other than productive establishments)	14,744	3.3
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	126,193	28.0
Wholesalers, merchants and other agents for resale	136,297(a)	30.2
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	14,224	3.2
Other businesses (including farmers) and institutions of all kinds	3,476	0.8
Members of the public, including employees	1,521	0.3
Total sales to independent buyers	362,281	80.3
Total	451,279	100.0

(a) Of this total £114,640,000 was recorded as divided between £28,457,000 for export and £86,183,000 for other sales.

Production, exports and imports
of certain principal products (a)

TABLE 12

		Production (b) (c)	Exports (d)	Retained imports (e)
		No.	No.	No.
Cars (excluding tri-cars, but including taxis), complete (f)				
Not exceeding 1,000 c.c.	1948	48,750	17,579	52
Exceeding 1,000 c.c. but not exceeding 1,600 c.c.	1948	182,539	140,173	
Exceeding 1,600 c.c. but not exceeding 2,200 c.c.	1948	54,882	26,939	
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.	1948	13,153	6,307	
Exceeding 2,800 c.c. but not exceeding 3,500 c.c.	1948	2,197	930	
Exceeding 3,500 c.c.	1948	5,879	2,067	110
Total cars, complete	{1948 1937	307,400 371,422	193,995 53,580	162 17,881
Chassis for cars (excluding tri-cars, but including taxis) (f)				
Not exceeding 1,000 c.c.	1948	3,884	5,743	480
Exceeding 1,000 c.c. but not exceeding 1,600 c.c.	1948	8,513	21,615	
Exceeding 1,600 c.c. but not exceeding 2,200 c.c.	1948	3,412	3,297	
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.	1948	1,751	1,225	
Exceeding 2,800 c.c. but not exceeding 3,500 c.c.	1948	93	11	
Exceeding 3,500 c.c.	1948	431	135	
Total chassis for cars	{1948 1937	18,084 30,737	32,026 24,455	480 709
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor				
Passenger vehicles with internal combustion engines				
Complete vehicles	1948	1,361	1,086	..
Chassis	1948	11,709	2,874	..
Total commercial passenger vehicles with internal combustion engines and chassis therefor				
With diesel and similar engines	1948	7,216	2,062	..
With other engines	1948	5,854	1,898	..

TABLE 12 (contd.)

		Production (b) (c)	Exports (d)	Retained Imports (e)
		No.	No.	No.
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor (contd.)				
Electric trolley buses				
Complete vehicles	1948	27	41	..
Chassis	1948	580	108	..
Delivery vans and dual purpose vehicles (utilities) with internal combustion engines, complete (g)				
	1948	60,688	26,763	..
Other goods vehicles with internal combustion engines, complete (g)				
Over 15 cwt. but not exceeding 3 tons unladen weight				
With light-oil engines	1948	30,066	5,698	..
With heavy-oil engines	1948	1,229	118	..
Over 3 tons unladen weight				
With light-oil engines	1948	4,528	1,448	..
With heavy-oil engines	1948	2,023	598	..
Chassis for goods vehicles with internal combustion engines				
With light-oil engines	1948	47,729	30,466(h)	..
With heavy-oil engines	1948	5,547	4,978(1)	..
Electrically operated goods vehicles (other than industrial trucks), complete				
	1948	4,056	68	..
Tractors for road haulage				
	{1948 1937	1,322 1,761	770 640	10 91
Agricultural tractors				
Three and four wheeled, including market garden tractors				
	{1948 1937	118,587 18,094(j)	67,726 10,489	1,760 2,594
Track laying				
	{1948 1937	3,386 ..	878 5	- 555
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors) (k)				
Internal combustion engines, complete				
Diesel and similar types constructed solely for commercial use				
	{1948 1937	16,182 8,073	729 209(l)	24 2,470(l)
Other				
	{1948 1937	95,752 141,984	13,360 7,616	5,821 53
Axles				
	{1948 1937	£'000 4,923 1,535	£'000 93 15	£'000 152 1

TABLE 12 (contd.)

		Production (b) (c)	Exports (d)	Retained Imports (e)
		Tons	Tons	Tons
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors) (k) (contd.)				
Wheels and parts thereof, not included elsewhere, except tyres and tubes (m)	{1948 1937}	59,028 39,257	3,343 1,185	213 260
Motor-cycles and tri-cars		No.	No.	No.
Complete motor-cycles (including motorised bicycles)				
Not exceeding 100 c.c.	1948	20,498 (n)	10,084	..
Over 100 c.c. (including tri-cars, passenger and goods)	1948	104,153	65,191	..
Total motor-cycles and tri-cars	{1948 1937}	124,651 (n) 83,248	75,275 25,437	348 221
Parts and accessories (k)				
Engines, complete	{1948 1937}	77,132 41,802	9,537 5,622	.. 1
Wheels and parts thereof, not included elsewhere, except tyres and tubes (m)	{1948 1937}	Tons 1,738 (n) 950 (n)	Tons 65 32	Tons .. 1
Inflators	1948	£'000 24	£'000 14	£'000 ..
Cycles (not mechanically propelled)		Thous.	Thous.	Thous.
Complete bicycles and tricycles (other than children's) (o)	{1948 1937}	2,628 2,057	1,804 831	1 1
Parts and accessories of cycles (k)		£'000	£'000	£'000
Frames and frame tubes	{1948 1937}	193 360	178 321	2 9
Wheels and parts thereof, not included elsewhere, except tyres and tubes (m)	{1948 1937}	1,158 500	709 243	25 33
Saddles	{1948 1937}	4,327 3,329	772 644	....
Bells	1948	5,982	2,238	13
Inflators	1948	£'000 632	£'000 212	£'000 1
Head and bracket fittings	1948	314	46	..
Trailers and trailer-caravans, complete	1948	No. 27,391 (n)	No. 6,966	..

- (a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). All recorded exports from and imports into United Kingdom are given in the table. The figures, therefore, are not strictly comparable.
- (b) Sales in 1948 and production for sale in 1937.
- (c) Including sales (or production) by establishments classified to other trades.
- (d) Valued f.o.b.
- (e) Valued c.i.f.
- (f) The sales of all taxis or chassis therefor in 1948 are included in the figures against the headings for the capacity range "Exceeding 1,600 c.c., but not exceeding 2,200 c.c."
- (g) The sales figures shown are exclusive of the output of delivery vans and other goods vehicles with internal combustion engines recorded as unclassified (amounting to 930 vehicles in total).
- (h) Described as "Other than diesel and similar engines".
- (i) Described as "Diesel and similar engines".
- (j) Including track laying tractors.
- (k) The sales (or production) figures shown may be understated on account of the large output recorded as unclassified parts and accessories (see Table 8).
- (l) Internal combustion engines of all types constructed solely for commercial use.
- (m) The overseas trade figures include wheels with fitted tyres.
- (n) Partly estimated.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	No.	£'000	No.	£'000	No.	£'000
Materials						
Chassis with engines (c)						
For cars and taxis	3,301	625	4,328	374	11,248	833
For commercial vehicles	1,081	663	20,384	3,137	17,741	3,199
Chassis without engines	{1,500 ..}	{45 35}	..	(d)	..	(d)
Purchased second-hand motor vehicles for re-conditioning	2,478	512				
Motor bodies						
For cars and taxis	74,662	7,331	106,533	4,176	99,600	4,199
For commercial vehicles	70,808	5,524	24,918	1,093	28,052	1,076
Complete engines (excluding engines forming part of chassis)						
For cars and commercial vehicles	117,296	8,979	124,312	3,540	105,949	2,425
For motor-cycles and tri-cars	27,041	375	9,183	69	9,817	76
Purchased second-hand motor vehicle spare parts for re-conditioning	..	56	..	(d)	..	(d)
Pig iron and iron and steel scrap	Th. tons 127.7	857				
Alloy steel						
Bars and rods	50.5	2,797				
Sheets and strip	{70.5 ..}	{2,239 404}				
Castings	{3.7 ..}	{379 641}				
Drop forgings	44.4	5,849				
Other descriptions, except finished parts	{10.8 ..}	{465 70}				
Unclassified	{10.5 ..}	{835 761}				

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VEHICLES

TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000		£'000		£'000
Materials (contd.)						
Iron and non-alloy steel						
Sheets	379.9	10,415				
Castings						
Iron, including malleable cast iron	131.5	7,884				
Non-alloy steel	22.5	1,081	..	19,177(e)	..	12,366(e)
Unclassified	21.1	1,049				
Drop forgings	75.9	5,451				
Pressings	137.2	6,206				
Tubes and fittings	44.7	2,436				
Bars and rods	102.1	3,066				
Angles, shapes and sections	31.2	818				
Girders	0.6	14				
Wire and wire manufactures	34.8	710				
Other descriptions, except finished parts	79.9	2,296				
Unclassified iron and non-alloy steel, other than sheets, castings, drop forgings, pressings, tubes and fittings, and finished parts	36.8	1,229				
Aluminium	Th. cwts.		Th. cwts.		Th. cwts.	
Sheets, strip and circles	182.4	1,265				
Extruded tubes, bars, sections and wire	36.0	387				
Castings, rough dressed, and forgings	249.8	2,299	252.8	1,721	112.3	722
Other descriptions, except finished parts	72.5	326			..	427
Unclassified	128.7	1,280				
Copper						
Rods and sections	16.2	110				
Plates, sheets and strip	121.9	1,062	187.1	773	142.0	472
Other descriptions, except finished parts	57.3	533				

MOTOR VEHICLES AND CYCLES (MANUFACTURING)

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TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000		£'000		£'000
Materials (contd.)						
Brass and other alloys of copper in all forms, except finished parts	383.5	3,669	..	(d)	..	(d)
Rubber	Th. doz.		Th. doz.			
Tyres						
Giant tyres	23.8	2,604				
Tractor and dumper tyres	30.7	1,521				
Car tyres	99.5	2,149				
Motor-cycle and tri-car tyres	21.5	271				
Pedal cycle tyres	432.0	965				
Solid tyres	10.3	20				
Unclassified	27.9	1,791	530.5	3,648	..	(d)
Tubes	..	1,355				
For giant tyres	23.5	314				
For tractor and dumper tyres	31.1	188				
For car tyres	99.9	419				
For motor-cycle and tri-car tyres	21.4	54				
For pedal cycle tyres	428.4	366				
Unclassified	27.7	344				
Glass	Th. sq. ft.		Th. sq. ft.			
Safety	5,697	945	8,883	1,057	..	(d)
Other (plate and sheet)	3,004	321				
Timber, other than for packing materials	Th. cu. ft.					
Hardwood	3,840	3,471				
Softwood	15.3	1,192	..	1,634(f)	..	(d)
Plywood	23,030	1,379				
Veneers	2,721	129				
Paint and lacquer, including primers and fillers	Th. galls.		Th. galls.			
	3,531	2,845	2,640	1,181	..	(d)
	..	336				

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. sq. ft.	£'000	Th. sq. ft.	£'000		£'000
Materials (contd.)						
Leather	14,535	1,645	33,822	1,282		
	..	452	..	359		
Leather cloth	Th. sq. yds.		sq. yds.			
	4,564	1,054	5,093	468		
	..	226	..	88	..	(d)
Upholstery fabrics (excluding head linings)	1,951	812	760	156		
	..	295	..	126		
Packing materials	..	2,717	..	336		
Electrical equipment, including batteries	..	20,211				
Purchased components not specified above	..	107,274				
Replacement parts for firms' machinery	..	2,053	..	43,777	..	46,438 (g)
Consumable tools bought as replacement	..	4,713				
All other purchased materials	..	18,854				
Unclassified materials	..	953	..	10,262	..	1,936
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	584.3	1,630	386.6	433	218.9	214
					..	65
Coke	114.2	496	..	(d)	54.0	76
					..	13
Electricity purchased from public supply (h)	Th. B.T.U. (kw. hrs.)		Th. B.T.U. (kw. hrs.)		Th. B.T.U. (kw. hrs.)	
	621,048	2,446				
Electricity purchased from other sources and electricity obtained from other works under the same ownership			386,438	850	271,866	744
	4,839	27				
Motor spirit (petrol) and deriv. fuel	Th. galls.					
Used for road vehicles	5,979	521	..	(d)	..	(d)
Used for other power purposes	1,750	116				

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Fuel and electricity (contd.)						
Other oil fuel (including creosote/pitch mixtures)	12,353	468	8,826	174 (1)	5,720	108(1) 49
Gas purchased and gas obtained from other works under the same ownership	Th. therms 50,006 Th. cu. ft. 287,495	1,095	..	818	..	(d)
	..	37				
	..	123				
All other purchased fuel	..	73				
Unclassified materials and fuel	..	732	-	-	-	-
Total		292,132		100,709		77,499

(a) Great Britain only.

(b) United Kingdom.

(c) Described as "Chassis" in 1937 and 1935.

(d) Not recorded separately.

(e) Recorded as:-

	1937		1935	
	Th. tons	£'000	Th. tons	£'000
Iron and steel				
Sheets	241.5	4,334	170.2	2,577
			..	578
Castings, forgings and pressings	236.5	9,994	114.0	4,848
			..	709
Tubes	17.2	678	14.1	570
	..	432	..	201
Bars and rods	82.7	1,515		
Angles, shapes and sections	19.0	329	55.8	2,387
Other descriptions, except finished parts	38.5	1,496	..	496
	..	177		
Unclassified	..	222	-	-

(f) Including some timber for use as packing materials.

(g) Including fuel not specified separately.

(h) The total quantity of electricity consumed in 1948 was 816,263,000 B.T. units including 190,376,000 generated in the same works.

(1) Described as "Heavy fuel oil".

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VEHICLES

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	No.	£'000	No.	£'000
Finished products				
Cars and taxis	4,781	1,280	6,318	1,979
Chassis for cars and taxis	944	227	946	187
Commercial vehicles	1,666	471	1,873	767
Chassis for commercial vehicles	2,187	1,302	3,798	2,175
Motor-cycles and tri-cars	2,735	140	1,820	132
Bicycles and tricycles (other than children's)	..	57	..	96
Other finished products	63,457	306	74,986	371
Other finished products	..	7,907	..	11,441
Work in progress		36,336		40,293
Total finished products and work in progress		48,006		57,442
Materials and fuel				
Chassis with engines	254	89	792	216
Motor bodies	8,175	610	5,271	447
Engines	5,948	589	8,599	791
	Th. tons		Th. tons	
Iron and non-alloy steel				
Sheets	92.1	2,628	104.3	3,031
	..	378	..	333
Castings	17.1	1,092	18.8	1,254
	..	283	..	326
Drop forgings	13.6	1,136	16.0	1,399
All other descriptions (except pig iron, iron and steel scrap and finished parts)	74.5	2,580	84.2	2,986
	..	2,198	..	2,833
	Th. cwts.		Th. cwts.	
Aluminium in all forms, except finished parts	107.2	1,023	144.7	1,065
	..	271	..	270
Copper in all forms, except finished parts	52.9	448	53.5	479
Other descriptions of materials and fuel	..	31,371	..	36,155
Total materials and fuel		44,696		51,584

MOTOR VEHICLES AND CYCLES (MANUFACTURING)

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Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	19,621	21,323	16,957	1,135	2,169	1,761	11,756	23,492	18,718
All ages	228,352	178,887	156,884	33,320	21,619	18,278	261,672	200,506	175,162
Females									
Under 18	2,387	5,334	5,286	2,714	2,661	1,926	5,101	7,995	7,212
All ages	36,740	23,629	22,418	17,602	10,050	9,045	54,342	33,679	31,463
Total									
Under 18	13,008	26,657	22,243	3,849	4,830	3,687	16,857	31,487	25,930
All ages	265,092	202,516	179,302	50,922 (e)	31,669	27,323	316,014 (e) (f) (g)	234,185	206,625
Total remuneration	£'000 93,714	..	..	£'000 22,221	..	..	£'000 115,935	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers	215 males	2,472 females
Other workers	1,920 males	889 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 136 working proprietors (127 males and 9 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £2,403,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	1,022	
Maintenance and repair of firms' buildings, but not plant	1,760	
Research work not directly connected with current production however charged	997	856

In addition to the employees in the above table the firms in this trade employed 14 male and 88 female outworkers in 1948, the amount paid to them being £10,000. Similar information is not available for 1937 and 1935.

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Wages and salaries paid, 1948 (a)
Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year					Year
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	
Wages and salaries of	£'000	£'000					
Operatives	93,714	46,413	23.7	24.4	24.0	27.9	100.0
Administrative, technical and clerical employees	22,221	11,583	23.9	24.1	24.3	27.6	100.0
Total	115,935	57,997	23.8	24.3	24.1	27.8	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £5,411,000.

Payments for certain services, 1948
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	940
Of plant, machinery and vehicles	1,451
Unclassified	749
Hire of plant, machinery and vehicles	395
Advertising and market research	
Advertising in newspapers, magazines and periodicals	795
Other advertising services (poster display, despatch of circulars, etc.) and market research	697
Unclassified	720
Payments made for research work	
To research associations	14
To universities, institutions, academic bodies and similar agencies	36
To other commercial concerns	132
Postage, telephone, telegrams and cables	839
Commercial insurance premiums	1,136
Rates (excluding water rates) payable in the year	412

Plant, machinery and vehicles acquired and disposed of, 1948
Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	12,404	1,178	474
Vehicles	642	74	218
Total	13,046	1,252	692

Capital expenditure on building work and changes in
occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		2,155
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	457	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	487	
(111) Leasehold buildings and land newly occupied in the year	709	
Total of heading 2		1,653
Total of headings 1 and 2		3,808
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	707	
(11) Estimated value of other properties relinquished	1,431	
Total of heading 3		2,138
4. Headings 1 and 2 less heading 3		1,670

- (a) Excluding site value which, where appropriate, is included in heading 2(1).
(b) The figures do not reflect changes in ownership of previously occupied land and buildings.
(c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.
(d) Including property destroyed or abandoned.

1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	458,851	5,567	4,934	469,352
Cost of materials and fuel used	279,040	3,482	2,721	285,243
Payment for work done on materials given out	5,306	83	22	5,411
Net output	174,505	2,002	2,191	178,698
Wages and salaries of persons employed	113,141	1,357	1,437	115,935
Average number of persons employed (a)	No. 306,718	No. 4,563	No. 4,869	No. 316,150
Net output per person employed (a)	£ 569	£ 439	£ 450	£ 565
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	54,907	502	2,033	57,442
Materials and fuel	50,455	579	550	51,584
Number of establishments	No. 981	No. 12	No. 31	No. 1,024

(a) Excluding outworkers.

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	451,130	5,621	4,316	461,068
Adjustment for changes in stocks and work in progress	+ 8,856	- 40	+ 620	+ 9,436
Less payment for transport by other firms	459,986 1,135	5,582 15	4,936 3	470,504 1,152
Gross output (production)	458,851	5,567	4,934	469,352
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	285,748	3,574	2,810	292,132
Adjustment for changes in stocks	- 6,707	- 93	- 88	- 6,889
Materials and fuel used	279,040	3,482	2,721	285,243

Summary
Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	647	18	50	715
Average number of persons employed (a)				
Males	3,265	82	255	3,602
Females	369	8	20	397
Total	3,634	90	275	3,999

(a) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	No.	£'000	No.	£'000	No.	£'000
Principal products						
Cars (excluding taxis and tri-cars) and chassis therefor						
Complete cars						
Not exceeding 1,000 c.c.	48,750	10,231	-	-	48,750	10,231
Exceeding 1,000 c.c. but not exceeding 1,200 c.c.	147,368	35,529	-	-	147,368	35,529
Exceeding 1,200 c.c. but not exceeding 1,600 c.c.	23,985	11,224	-	-	23,985	11,224
Exceeding 1,600 c.c. but not exceeding 2,000 c.c.	2,197	1,661	-	-	2,197	1,661
Exceeding 2,000 c.c. but not exceeding 2,800 c.c.	82,937	34,682	-	-	82,937	34,682
Exceeding 2,800 c.c. but not exceeding 3,500 c.c.						
Exceeding 3,500 c.c. but not exceeding 4,300 c.c.	31	91	-	-	31	91
Chassis						
Not exceeding 1,000 c.c.	3,884	424	-	-	3,884	424
Exceeding 1,000 c.c. but not exceeding 1,200 c.c.	4,875	713	-	-	4,875	713
Exceeding 1,200 c.c. but not exceeding 1,600 c.c.	3,638	445	-	-	3,638	445
Exceeding 1,600 c.c. but not exceeding 1,900 c.c.	3,387	656	-	-	3,387	656
Exceeding 1,900 c.c. but not exceeding 2,200 c.c.	3	1	-	-	3	1
Exceeding 2,200 c.c. but not exceeding 2,800 c.c.	1,751	281	-	-	1,751	281
Exceeding 2,800 c.c. but not exceeding 3,500 c.c.	93	57	-	-	93	57
Exceeding 3,500 c.c.	431	427	-	-	431	427
Taxis and chassis therefor						
Complete	380	237	-	-	380	237
Chassis	22	9	-	-	22	9
Total cars, taxis and chassis therefor	323,732	96,668	-	-	323,732	96,668

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VEHICLES COUNTRY TABLES

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	No.	£'000	No.	£'000	No.	£'000
Principal products (contd.)						
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor						
Passenger vehicles with internal combustion engines, complete, designed to seat not more than 60 passengers	..	(a)	..	(a)	1,238	4,246
Chassis for commercial passenger vehicles with internal combustion engines	..	(a)	..	(a)	11,709	16,007
Total commercial passenger vehicles with internal combustion engines and chassis therefor	..	(a)	..	(a)	12,947	20,253
Electric trolley buses						
Complete vehicles	27	151	-	-	27	151
Chassis	539	1,111	-	-	539	1,111
Delivery vans and dual purpose vehicles (utilities) with internal combustion engines, complete	60,546	14,242	-	-	60,546	14,242
Other goods vehicles with internal combustion engines, complete						
With light-oil engines	..	(a)	..	(a)	34,154	15,944
With heavy-oil engines	2,728	3,882	153	245	2,881	4,127
Unclassified delivery vans and other goods vehicles with internal combustion engines, complete	..	(a)	..	(a)	533	168
Chassis for goods vehicles with internal combustion engines						
With light-oil engines	..	(a)	..	(a)	47,729	17,230
With heavy-oil engines	..	(a)	..	(a)	5,547	7,408
Total goods vehicles with internal combustion engines and chassis therefor	149,869	57,519	1,521	1,601	151,390	59,120

MOTOR VEHICLES AND CYCLES (MANUFACTURING) COUNTRY TABLES

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TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	No.	£'000	No.	£'000	No.	£'000
Principal products (contd.)						
Commercial vehicles (other than taxis, tri-cars, agricultural tractors and industrial trucks) and chassis therefor (contd.)						
Electrically operated goods vehicles (other than industrial trucks)						
Complete vehicles	3,394	1,847	-	-	3,394	1,847
Chassis	690	235	-	-	690	235
Tractors for road haulage						
With light-oil engines	478	283	-	-	478	283
With heavy-oil engines	795	905	-	-	795	905
Motor fire engines, fire escapes and trailer pumps (b)	120	169	-	-	120	169
Other commercial motor vehicles						
Complete	1,004	1,120	-	-	1,004	1,120
Chassis	156	137	-	-	156	137
Unclassified cars, taxis and commercial vehicles, complete	..	30	-	-	..	30
Agricultural tractors						
Three and four wheeled and market garden, wheeled	118,229	29,615	-	-	118,229	29,615
Track-laying	2,834	1,219	-	-	2,834	1,219
Industrial trucks (of types used in factories, warehouses, railway stations and docks)	3,817	2,108	-	-	3,817	2,108
Reconditioned motor vehicles (b)	..	(a)	..	(a)	1,943	1,329
					..	192

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	No.	£'000	No.	£'000	No.	£'000
Principal products (contd.)						
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately						
Motor bodies, complete						
For cars and taxis	..	(a)	..	(a)	226,417	16,053
For commercial vehicles					..	5,324
Passenger vehicles (excluding trolley buses)						
Single deck	5,469	7,099	176	289	5,645	7,388
Double deck	..	(a)	..	(a)	2,882	5,234
Delivery vans (including utilities)	..	(a)	..	(a)	45,715	3,863
Other goods vehicles	14,869	2,148	884	143	15,753	2,291
Other commercial vehicles, including trolley buses	..	(a)	..	(a)	9,709	1,418
Unclassified	151	16	-	-	151	16
	..	215	-	-	..	215
Total Motor bodies	304,847	36,171	1,425	691	306,272	38,862
	..	5,568	..	54	..	5,622
Panels for motor bodies	..	(a)	..	(a)	No. of sets 66,354	1,908
Other parts of motor bodies	..	(a)	..	(a)	..	10,751
Chassis without engines	125,900	1,953	-	-	No. 125,900	1,953
Internal combustion engines, complete	..	(a)	..	(a)	107,411	9,048
Parts of engines, not elsewhere specified	..	(a)	..	(a)	..	8,571
Gear boxes and axles	..	(a)	..	(a)	111,562	3,201
					..	2,072
Wheels and parts thereof, not included elsewhere, except tyres and tubes	Tons 58,761	3,941	-	-	Tons 58,761	3,941

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000	Tons	£'000
Principal products (contd.)						
Parts and accessories of motor vehicles (excluding motor-cycles, tri-cars and tractors), sold separately (contd.)						
Brakes and parts thereof other than linings containing asbestos	..	(a)	..	(a)	24,793	2,543
					..	3,749
Clutches and parts thereof other than linings containing asbestos	..	(a)	..	(a)	12,818	1,606
Gaskets and jointings	..	(a)	..	(a)	2,527	1,119
					..	562
	Thous.				Thous.	
Carburettors	877	1,409	-	-	877	1,409
Radiators	440	3,602	-	-	440	3,602
Sparking plugs (including sparking plugs for motor-cycles, tri-cars and aircraft)	23,870	2,251	-	-	23,870	2,251
Instruments, not electrical (including instruments for motor-cycles and tri-cars)						
Speedometers and other, except clocks, thermostats and pressure gauges	..	1,150	-	-	..	1,150
Registration number plates	..	(a)	..	(a)	823	276
					..	22
Sheet metal work, such as bumpers, dust shields, bonnets, mudguards, petrol tanks, etc. (b)	..	(a)	..	(a)	..	2,624
Parts and accessories of motor vehicles not specified above (c)	..	(a)	..	(a)	..	28,927
Unclassified parts and accessories of motor vehicles	..	8,426	-	-	..	8,436
Total parts and accessories of motor vehicles (except bodies) (c)		99,088		634		99,722

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000		£'000
Principal products (contd.)						
Parts of tractors not elsewhere specified and reconditioned motor vehicle parts and accessories	..	(a)	..	(a)	..	7,733
Motor-cycles (including motorised bicycles) and invalid chairs, mechanically propelled, complete	No.				No.	
Not exceeding 100c.c. (including invalid chairs, mechanically propelled)	..	839	-	-	..	839
Over 100c.c. but not exceeding 250 c.c.	29,038	1,650	-	-	29,038	1,650
Over 250c.c. but not exceeding 350 c.c.	27,045	2,603	-	-	27,045	2,603
Over 350 c.c.	45,752	5,042	-	-	45,752	5,042
Tri-cars, passenger and goods	2,318	395	-	-	2,318	395
Parts and accessories of motor-cycles and tri-cars						
Engines, complete	77,182	1,297	-	-	77,182	1,297
Parts of engines not elsewhere specified	..	372	-	-	..	372
Gear boxes and carburettors	..	612	-	-	..	612
Brake cables for motor-cycles (b)	..	113	-	-	..	113
Other parts and accessories not elsewhere specified including side-cars, wheels and parts thereof (except tyres and tubes), saddles and inflators (c)	..	1,722	-	-	..	1,722
Unclassified parts and accessories	..	879	-	-	..	879
Total parts and accessories of motor-cycles and tri-cars (c)		4,995				4,995
Parts of mechanically propelled invalid chairs	..	7	-	-	..	7

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Thous.	£'000		£'000	Thous.	£'000
Principal products (contd.)						
Cycles (not mechanically propelled)						
Complete bicycles and tri-cycles (other than children's with frame smaller than 15 ins.)	..	(a)	..	(a)	2,618	19,087
Parts and accessories of cycles						
Free-wheels	3,747	415	-	-	3,747	415
Gear cases	999	228	-	-	999	228
Mudguards	{ 7,787 ..	{ 543 99	{ - -	{ - -	{ 7,787 ..	{ 543 99
Bells	{ 1,883 ..	{ 98 26	{ - -	{ - -	{ 1,883 ..	{ 98 26
Inflators	5,610	611	-	-	5,610	611
Reflectors	{ 163 ..	{ 4 17	{ - -	{ - -	{ 163 ..	{ 4 17
Other parts and accessories not elsewhere specified, including frames and frame tubes; wheels and parts thereof not included elsewhere, (except tyres and tubes); hubs (other than for variable gears) including coaster hubs; saddles; lamps, other than electric; and head and bracket fittings (c)	..	(a)	..	(a)	..	7,744
Unclassified parts and accessories	..	1,490	-	-	..	1,490
Total parts and accessories of cycles	..	(a)		(a)		11,275
Trailers and trailer-caravans, complete						
Trailers for road use	..	(a)	..	(a)	{ 18,254 ..	{ 3,320 665
Trailers for industrial trucks	..	(a)	..	(a)	1,173	133
Caravans	..	(a)	..	(a)	{ 3,120 ..	{ 1,378 170

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
		£'000		£'000		£'000
Principal products (contd.)						
Reconditioned trailers and trailer-caravans and trailer fire-pumps (b)	..	154	-	-	..	154
Parts of trailers and trailer-caravans (b)	..	(a)	..	(a)	..	453
Waste products, other than scrap metals	..	(a)	..	(a)	..	270
Work done for the trade or on commission (d)		(a)		(a)		1,867
Total principal products		416,799		3,912		420,711
Other output						
Aircraft engines and parts	..	525	-	-	..	525
Other aircraft parts and accessories	..	3,634	-	-	..	3,634
Ball bearings, roller bearings and steel transmission chains	..	25	-	-	..	25
Children's cycles and parts	..	440	-	-	..	440
Electrical equipment for motor vehicles and cycles, etc.	..	648	-	-	..	648
Electrical machinery and apparatus and parts thereof	..	686	-	-	..	686
Scientific, surgical and photographic instruments and parts	..	110	-	-	..	110
Rail vehicles, steam driven road vehicles and road rollers, and parts	..	1,226	-	-	..	1,226
Non-mechanically propelled vehicles (except cycles) and parts	..	567	..	20	..	587
Fairground equipment	..	111	-	-	..	111
Internal combustion engines, other than for motor vehicles and aircraft, and parts	..	1,922	-	-	..	1,922
Engineers' tools	..	2,692	-	-	..	2,692

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Other output (contd.)		£'000		£'000		£'000
Agricultural machinery and parts	..	1,527	-	-	..	1,527
Civil engineering and contracting machinery and plant, and parts	..	275	-	-	..	275
Food preparation and processing machinery, and parts	..	389	-	-	..	389
Marine machinery and parts	..	584	-	-	..	584
Other engineering products	..	5,738	..	5	..	5,743
Metal furniture and parts	..	954	..	-	..	954
Other manufactures of iron and steel	..	4,242	..	3	..	4,245
Other manufactures of non-ferrous metals	..	1,456	-	-	..	1,456
Manufactures of wood	..	1,147	-	-	..	1,147
Other goods	..	1,583	..	1	..	1,584
Scrap metal sold						
Iron and steel	..	869	..	4	..	873
Aluminium	..	127	..	3	..	130
Brass	..	309	..	1	..	310
Copper	..	223	-	-	..	224
Other and unclassified	..	388	-	-	..	388
Repair work (d)						
To motor vehicles and motor-cycles		6,399		335		6,734
To other cycles		32		-		32
To other vehicles		178		19		197
Other repairs		597		11		608
Other work (d)		349		1		350
Total		456,752		4,316		461,068

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.

(b) So far as recorded separately.

(c) Excluding transmission chains, ball and roller bearings, electrical instruments and equipment, springs, brake and clutch linings containing asbestos, rubber tyres and tubes, and clocks.

(d) Amount charged.

Purchased materials and fuel

Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	No.	£'000		£'000	No.	£'000
Materials						
Chassis with engines						
For cars and taxis	3,301	625	-	--	3,301	625
For commercial vehicles	..	(a)	..	(a)	1,081	663
Chassis without engines	..	(a)	..	(a)	1,500	45
					..	35
Purchased second-hand motor vehicles for reconditioning	..	(a)	..	(a)	2,478	512
Motor bodies						
For cars and taxis	..	(a)	..	(a)	74,662	7,331
For commercial vehicles	..	(a)	..	(a)	70,808	5,524
Complete engines (excluding engines forming part of chassis)						
For cars and commercial vehicles	117,296	8,979	-	-	117,296	8,979
For motor-cycles and tri-cars	27,041	375	-	-	27,041	375
Purchased second-hand motor vehicle spare parts for reconditioning	..	56	-	-	..	56
	Th. tons				Th. tons	
Pig iron and iron and steel scrap	127.7	857	-	-	127.7	857
Alloy steel						
Bars and rods	..	(a)	..	(a)	50.5	2,797
Sheets and strip	..	(a)	..	(a)	70.5	2,239
					..	404
Castings	..	(a)	..	(a)	3.7	379
					..	641
Drop forgings	..	(a)	..	(a)	44.4	5,849
Other descriptions, except finished parts	..	(a)	..	(a)	10.8	465
					..	70
Unclassified	10.5	835	-	-	10.5	835
	..	761			..	761

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials (contd.)						
Iron and non-alloy steel						
Sheets	379.4	10,401	0.5	14	379.9	10,415
Castings						
Iron, including malleable cast iron	..	(a)	..	(a)	131.5	7,884
					..	1,153
Non-alloy steel	..	(a)	..	(a)	22.5	1,081
Unclassified	21.1	1,049	-	-	21.1	1,049
	..	1,087			..	1,087
Drop forgings	..	(a)	..	(a)	75.9	5,451
Pressings	..	(a)	..	(a)	137.2	6,206
Tubes and fittings	44.5	2,409	0.2	27	44.7	2,436
	..	695			..	695
Bars and rods	101.3	3,043	0.8	24	102.1	3,066
Angles, shapes and sections	30.9	807	0.3	10	31.2	818
	..	194	..	-	..	195
Girders	..	(a)	..	(a)	0.6	14
					..	42
Wire and wire manufactures	34.8	709	-	-	34.8	710
	..	89			..	89
Other descriptions except finished parts	..	(a)	..	(a)	79.9	2,296
					..	506
Unclassified iron and non-alloy steel, other than sheets, castings, drop forgings, pressings, tubes and fittings, and finished parts	36.6	1,223	0.2	6	36.8	1,229
	..	1,352			..	1,352
Aluminium	Th. cwts.		Th. cwts.		Th. cwts.	
Sheets, strip and circles	179.4	1,238	3.0	28	182.4	1,265
	..	143	..	1	..	144
Extruded tubes, bars, sections and wire	35.3	381	0.8	6	36.0	387
	..	434	..	-	..	435
Castings, rough dressed, and forgings	..	(a)	..	(a)	249.8	2,299

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. cwts.	£'000	Th. cwts.	£'000	Th. cwts.	£'000
Materials (contd.)						
Aluminium (contd.)						
Other descriptions, except finished parts	..	(a)	..	(a)	72.5 ..	326 46
Unclassified	128.2 ..	1,276 660	0.5	4	128.7 ..	1,280 660
Copper						
Rods and sections	..	(a)	..	(a)	16.2	110
Plates, sheets and strip	..	(a)	..	(a)	121.9	1,062
Other descriptions except finished parts	..	(a)	..	(a)	57.3	533
Brass and other alloys of copper in all forms, except finished parts	..	(a)	..	(a)	393.5	3,669
Rubber	Th. doz.		Th. doz.		Th. doz.	
Tyres						
Giant tyres	..	(a)	..	(a)	23.8	2,604
Tractor and dumper tyres	..	(a)	..	(a)	30.7	1,521
Car tyres	..	(a)	..	(a)	99.5	2,149
Motor-cycles and tri-car tyres	21.5	271	-	-	21.5	271
Pedal cycle tyres	..	(a)	..	(a)	432.0	965
Solid tyres	10.3	20	-	-	10.3	20
Unclassified	27.9 ..	1,791 1,355	-	-	27.9 ..	1,791 1,355
Tubes						
For giant tyres	..	(a)	..	(a)	23.5	314
For tractor and dumper tyres	..	(a)	..	(a)	31.1	188
For car tyres	..	(a)	..	(a)	99.9	419
For motor-cycle and tri-car tyres	21.4	54	-	-	21.4	54
For pedal cycle tyres	..	(a)	..	(a)	428.4	366
Unclassified	27.7 ..	344 194	-	-	27.7 ..	344 194

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. sq. ft.	£'000	Th. sq. ft.	£'000	Th. sq. ft.	£'000
Materials (contd.)						
Glass						
Safety	5,645 ..	936 158	53	10	5,697 ..	945 158
Other (plate and sheet)	2,946 ..	316 326	58 ..	6 1	3,004 ..	321 326
Timber, other than for packing materials	Th. cu. ft.		Th. cu. ft.		Th. cu. ft.	
Hardwood	3,785	3,426	55	45	3,840	3,471
Softwood	Th. standards 14.9	1,156	Th. standards 0.4	36	Th. standards 15.3	1,192
Plywood	Th. sq. ft. 22,877	1,370	Th. sq. ft. 153	9	Th. sq. ft. 23,030	1,379
Veneers	..	(a)	..	(a)	2,721 ..	129 21
Paint and lacquer, including primers and fillers	Th. galls. 3,510 ..	2,814 334	Th. galls. 21 ..	31 1	Th. galls. 3,531 ..	2,845 336
Leather	Th. sq. ft. 14,453 ..	1,635 451	Th. sq. ft. 82 ..	10 1	Th. sq. ft. 14,535 ..	1,645 452
Leather cloth	Th. sq. yds. 4,552 ..	1,050 226	Th. sq. yds. 12 ..	4 -	Th. sq. yds. 4,564 ..	1,054 226
Upholstery fabrics (excluding head linings)	1,923 ..	794 287	28 ..	18 8	1,951 ..	812 295
Packing materials	..	2,695	..	22	..	2,717
Electrical equipment, including batteries	..	(a)	..	(a)	..	20,211
Purchased components not specified above	..	106,245	..	1,029	..	107,274
Replacement parts for firms' machinery	..	2,051	..	3	..	2,053
Consumable tools bought as replacement	..	4,655	..	59	..	4,713

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost £'000	Quantity	Cost £'000	Quantity	Cost £'000
Materials (contd.)						
All other purchased materials	..	18,722	..	132	..	18,854
Unclassified materials	..	953	-	-	..	953
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	579.8	1,619	4.5	12	584.3	1,630
Coke	113.3	493	0.9	3	114.2	496
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased from public supply (b)	613,427	2,414	7,621	32	621,048	2,446
Electricity purchased from other sources and electricity obtained from other works under the same ownership	..	(a)	..	(a)	4,839	27
Motor spirit (petrol) and deriv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	5,878	513	100	8	5,979	521
Used for other power purposes	..	(a)	..	(a)	1,750	116
Other oil fuel (including creosote/pitch mixtures)	..	(a)	..	(a)	12,353	488
	Th. therms		Th. therms		Th. therms	
Gas purchased and gas obtained from other works under the same ownership	49,933 Th. cu. ft. 286,083 ..	1,093 37 123	73 Th. cu. ft. 1,412	2 - -	50,006 Th. cu. ft. 287,495 ..	1,095 37 123
All other purchased fuel	..	72	..	1	..	73
Unclassified materials and fuel	..	710	..	22	..	732
Total		289,322		2,810		292,132

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.

(b) The total quantities of electricity consumed, including electricity generated in the same works, were 808,383,000 B.T. units in England and Wales and 7,880,000 B.T. units in Scotland.

Employment and remuneration

Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total	Average number of operatives	Admini- strative, technical and clerical employees (a)	Total
Males									
Under 18	10,351	1,117	11,468	270	18	288	10,621	1,135	11,756
All ages	224,672	32,762	257,434	3,680	558	4,238	228,352	33,320	261,672
Females									
Under 18	2,378	2,664	5,042	9	50	59	2,387	2,714	5,101
All ages	36,547	17,176	53,723	193	426	619	36,740	17,602	54,342
Total									
Under 18	12,729	3,781	16,510	279	68	347	13,008	3,849	16,857
All ages	261,219	49,938 (b)	311,157 (b) (c)	3,873	984 (b)	4,857 (b) (c)	265,092	50,922 (b)	316,014 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	92,616	21,882	114,498	1,098	338	1,437	93,714	22,221	115,935

(a) Number at September 25, 1948.

(b) There were, in addition, 138 working proprietors (127 males and 9 females) in Great Britain; 115 males and 9 females in England and Wales, and 12 males in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £2,403,000; £2,365,000 for England and Wales, and £38,000 for Scotland.

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers and remuneration are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
England and Wales	14	88	102	£'000
Scotland	-	-	-	-
Great Britain	14	88	102	10

3/1/54

VEHICLES COUNTRY TABLES

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	98.1	98.8	98.1	August	100.4	100.2	100.4
February	97.7	99.8	97.7	September	101.3	100.7	101.3
March	97.9	99.6	98.0	October	102.3	100.7	102.2
April	98.4	99.6	98.4	November	103.0	101.0	102.9
May	99.0	98.9	99.0	December	102.6	101.9	102.6
June	99.7	99.7	99.7				
July	99.7	99.3	99.6	Percentage employment in this trade covered by the index	48.6	80.3	49.1

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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