

BOARD OF TRADE

5 42 [4A 2517

Report on the Census of Production 1963

64 Aircraft manufacturing and repairing

LONDON: HER MAJESTY'S STATIONERY OFFICE

Price 3s. 6d. net

Report on the Census of Production 1963

64

Aircraft manufacturing and repairing

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)

industry.

(i) New building work.

(i) New building work.

(ii) New building work.

(iv) New building work.

(iv) New building work.

(iv) New building and other new busions!

(iv) New constructional work (including office whether full—

(iv) buildings, canteens and the like used rate figures connection with the business covered arives (see amployees). The value is that charge ted from capital account during the year of recent from it includes expenditure on new building espect of the card buildings, the value of work of a cap be sum of buildings, the value of work of a cap capited to nature carried out by firms' own staff ters (see purchased The figures shown includer are included purchased. The figures shown includer are included purchased. The figures shown includer are included processed to the cap purchased. The figures shown includer are included purchased. The figures shown includer are included processed to the cap purchased. The figures shown includer are included purchased. The figures shown included processed to the cap purchased. The figures shown included purchased p

TERMS USED IN THE CHASUS ERPORT

for age number employed

Firms were required to state the number of

persons on the payroll (i.e. whose mational

firms mance cards were held by them) on the

average during the year of return, whether full
time or part-lise employees. Separate figure

and ciercal employees and (b) operatives (see

Figures relating to the last week of each

figures relating to the last week of each

average number employed relate to the sum of

these averages. Firms were also required to

state the number of working proprietors (see

state the number of working proprietors (see

state the number of working proprietors (see

the total employment figures. Outworkers are

secluded.

LONDON: HER MAJESTY'S STATIONERY OFFICE

1968

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

ii

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 fulltime or part-time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each calendar month; figures shown in respect of the average number employed relate to the sum of these averages. Firms were also required to state the number of working proprietors (see below) where appropriate and these are included in total employment figures. Outworkers are excluded.

The figures include persons engaged in merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working Proprietors

These include all persons regarded as 'self-employed' for National Insurance purposes, and members of their families who worked in the business without receiving a fixed wage or salary; but persons who worked less than half the normal number of working hours are excluded. For Great Britain, directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading for 1963, but are excluded for 1958. For Northern Ireland, directors of limited companies, other than those paid by fee only, are included for both years. (Directors paid by fee only are not included in any of the employment figures for either year.)

Employees

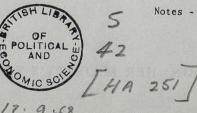
- (i) Administrative, technical and clerical employees include managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees. For Great Britain, but not for Northern Ireland, they include also managing and other directors in receipt of a definite wage, salary or commission.
- (ii) Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work, stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; and cleaners. Operatives engaged in outside work of erection, fitting, etc. are also included, but outworkers (i.e. persons employed by the firm who worked in their own homes, etc. on materials supplied by the firm) are excluded. Information about the numbers of outworkers employed was collected only for the gloves industry.

Capital Expenditure

(i) New building work.

This represents the cost incurred during the year of new building and other new constructional work (including office buildings, canteens and the like used in connection with the business covered by the return but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension or reconstruction of old buildings, the value of work of a capital nature carried out by firms' own staff, and the cost of any newly constructed buildings purchased. The figures shown include any legal charges, stamp duties, agents' commissions, etc.

Notes - continued on pages iii and iv



64

Aircraft manufacturing and repairing

This Report on the Aircraft Manufacturing and Repairing Industry relates to establishments engaged wholly or mainly in manufacturing and assembling airframes or complete aircraft, gliders and guided missiles, aero-engines and power plant, and parts and accessories therefor other than electrical and electronic equipment. Repair work, modifications and conversions are also included.

This industry corresponds to minimum list heading 383 in the Standard Industrial Classification (Consolidated edition, 1963).

There were no small establishments in this industry in Northern Ireland in 1958 or 1963.

METHOD OF CLASSIFICATION

The classification of returns to this industry followed the standard procedure. In classifying returns to the sub-divisions of the industry shown in Table 2, a return was classified to a specific sub-division only if 50 per cent. or more of its total output consisted of characteristic products of the specific sub-division; otherwise it was classified to the 'Other'.

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).

64/3

LIST OF TABLES

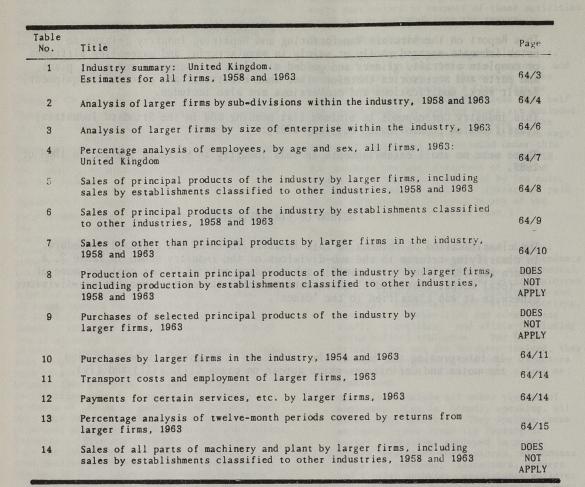


TABLE 1 Industry summary: United Kingdom

Estimates for all firms, 1958 and 1963 (a)

	divines of the industry (b)	Unit	1958	1963
Number of enterprises	a result parts and	No.	222	185
Number of establishments			384	307
Gross output		£'000	582,880	602,101
Net output		Dec 20 *	284,793	322,170
Net output per head		2	1,036	1,275
1 1 2 2 1 1	goods produced and work done	\$,000	555,591	546,138(b)
Sales and work done	merchanted goods and canteen takings	2.587	12,483	23,623
	materials for processing and packaging, and fuel	0.150	222,125	185,712
Purchases	goods for merchanting and canteen purchases		5.05	25,432
00 410.282:028 (124,8,622(8)	for work done on materials given out		72,114	62,647
Payments to other programmer organisations	for transport	9.	1,372	808
Stocks and work in progress	(Tor transport	er odesits.	of action is tic	Sallek of ch
	change during year	(9)	+ 12,330	+ 27,010
Total stocks and work in progress	at end of year		391,291	458,072
	change during year	7.	+ 6,118	+ 1,862
Goods on hand for sale	at end of year	7.	16,961	23,887
	change during year	1.	+ 8,688	+ 30,479
Work in progress	at end of year		334,528	390,239
	change during year		_ 2,476	- 5,331
Materials, stores and fuel	at end of year		39,802	43,947
	(total, including working proprietors	Th.	274.9	252.7
Average number employed	operatives		174.2	145.1
960,0.55 837,1962	other employees (c)		100.6	107.4
	of operatives	£'000	114,992	116,361
Wages and salaries	of other employees (c)	o 9/ *	74,722	99,336
Employers' contributions to Na pension schemes, etc. (d)	ational Insurance and private		Bayologue Tao	13,674
Capital expenditure (e)		2.00	1 1 1 1 1 1 1 1	195 862
Total	* 14 173 44 170 (n) anericalisms restrict	15.	selects	11,442
New building work	a 655 204 Charles		3,076	3,911
Land and existing buildings		bal (st seg selock	- 1,721
Plant and machinery (f)			9,379	8,610
Vehicles (f)		01000 01	379	642

⁽a) For 1963, estimates for small firms and for firms not making satisfactory returns accounted for less than one per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was also less than one per cent.) A summary of the detailed returns received is given in Table 2.

(b) 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).

(c) Administrative, technical and clerical employees.

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

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

(f) Acquisitions less disposals.

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

1/28/91/1/2/1/2/82/92/1/2/9	ploying 25 or more persons: United Kingdom (isions of ustry (b)
		Unit	Complete airframe weapons and	aircraft or es, guided missiles (c)
			1958	1963
Number of enterprises (d)		No.	13	10
Number of establishments		n	51	42
Gross output		£'000	244,910	281,062
Net output			100,409	129,333
Net output per head		£	1,035	1,202
	goods produced and work done	£,000	232,639	241,522(e)
Sales and work done	merchanted goods and canteen takings	est de	7,321	11,657
Sales of characteristic p	roducts	el J.	197,668	154,603
Index of specialisation (Per cent.	85	64
Marth - the Merch - t	(materials for processing and	200	To strong the	Total stocks
Purchases	packaging, and fuel	\$,000	99,677	96,295
	goods for merchanting and canteen purchases		Jalas Tol	11,051
Perments to other	for work done on materials given out	18	44,612	45,079
Payments to other organisations	for transport		267	267
Stocks and work in progre	ss to the	36 1	2000	
Goods on hand for sale	change during year	"	+ 1,466	+ 258
	at end of year	22 "	4,908	4,690
Work in progress	change during year	91 "	+ 3,484	+27,624
Hear frank	lat end of year	90 /	210,323	261,086
Materials, stores and for	change during year	56)"	+ 54	+ 962
CHE TOTAL SERVINE C	at end of year	10]"	19,345	21,304
	ftotal, including working proprietors	No.	96,993	107,603
Average number employed	operatives	ianol Isk s	58,711	55,010
	other employees (h)		38,282	52,586
Wages and salaries	of operatives	£,000	39,230	44,333
artie latere	of other employees (h)	"	28,126	48,311
Wages and salaries per hea	operatives	2	668	806
GEO.S TOTE, B	other employees (h)	-	735	919
Employers' contributions	to National Insurance (i)	£'000		2,932
Capital expenditure (k)	to private pension schemes, etc. (j)	"		2,688
New building work	three and for firms on testing solutions are therefore	i to tes	1,434	713
Land and existing	acquisitions	oals so	eragi: ele	9
buildings	disposals	bezebner	Section of	191
Plant and machinery	acquisitions	bivo'ng s	3,372	3,987
	disposals	PER LINES	91	207
Vehicles	{ acquisitions	s tol es	173	312
	disposals	a i milogai	103	34

For notes to this table - see page 64/7

the laber of the same particular of the same of the sa	Sub	-divisions of	the industry	(b)	i gaivolgasis		
assigore (es and parts	accessorie propell underca	parts and s including lers and arriages 03	Oth	ner dail	Tot	al refrance al refrance area call area call area valentai
1958	1963	1958	1963	1958	1963	1958	1963
20	14	71	55	64	44	147	111
56	44	100	72	102	71	309	229
180,507	164,240	96,075	90,787	59,039	63,219	580,532	599,309
91,458	94,352	55,324	58,582	36,454	38,410	283,646	320,676
1,059	1,378	1,054	1,382	961	1,160	1,036	1,275
174,051	157,720(e)	92,842	91,130(e)	53,821	53,233(e)	553,353	543,605(e
1,876	5,667	2,142	2,703	1,094	3,487	12,433	23,513
167,997	145,957	75,413	81,024	(f)	(f)	(f)	(f)
97	93	81	89	88 681	1.6 2	96	97
48,24	263	3	6498 J 388.	5	2 31		1,600-8
72,539	48,827	30,311	21,789	18,703	17,939	221,231 {	184,851
) NO. 324	9,105	121	2,454		2,705		25,314
14,153	7,694	9,615	6,760	3,444	2,824	71,823	62,357
630	304	236	125	234	108	1,366	804
+ 3,128	+ 287	+ 1,501	+ 1,211	- 3	+ 97	+ 6,093	+ 1,853
8,617	13,976	2,951	4,827	417	283	16,893	23,776
+ 1,452	+ 570	- 410	-4,257	+ 4,127	+ 6,401	+ 8,653	+30,337
67,167	78,568	29,429	21,653	26,262	27,122	333,180	388,429
- 1,728	-3,959	- 588	-1,076	_ 205	-1,233	- 2,466	-5,306
11,030	8,438	5,091	10,405	4,176	3,595	39,642	43,743
86,352	68,453	52,485	42,371	37,915	33,102	273,745	251,529
56,481	40,782	34,251	27,110	24,059	21,624	173,502	144,526
29,867	27,671	18,234	15,242	13,851	11,460	100,234	106,959
37,582	34,044	22,357	21,536	15,373	15,954	114,542	115,867
21,731	25,757	14,173	14,180	10,400	10,666	74,430	98,915
665	834	653	794	639	737	660	802
728	930	777	930	751	930	743	925
318	1,970	275	1,241	Be 1 (8)	932	43 11.99	7,075
022	2,156	285	1,037	1280 (84111	660	812.E 99	6,541
598	12T 903	ета	464,4	166.01	ARL TO STORY	\$60, KI 26	4,000-7
756	1,524	413	606	460	1,050	3,063	3,893
259	74	835.1	215	320 .53*	7	8 10,000 - 11/10	304
628	1,431	a avo. s	370	1788,837	26	0 28.482	2,017
3,863	3,638	2,162	1,677	642	1,423	10,039	10,726
152	465	144	1,423	310	60	697	2,155
169	142	193	153	93	219	628	827
58	36	52	72	38	47	250	189

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)	Enter- prises	Estab- lish- ments	Average number employed (a)	Gross output	Net output	Net output per head	Capital expendi- ture (b)	Total value of stocks and work in progress at end of year
1898	Number	Number	Number	£'000	£,000	2	£,000	£'000
25-49	21	23	858	1,346	1,019	1,188	59	150
50-99	13	16	989	1,650	1,077	1,089	31	518
100-199	22	30	3,241	4,973	3,469	1,070	180	970
200-299	7	9	1,768	4,036	2,820	1,595	203	336
300-499	16	23	6,019	13,233	8,435	1,401	315	5,007
500-999	9	17	6,464	17,649	8,191	1,267	- 1,219	6,172
1,000-1,499	8	11	9,632	21,388	12,906	1,340	530	6,527
2,000-3,999	4	13	12,489	26,824	16,411	1,314	899	9,554
4,000-7,499	4	16	21,186	36,707	19,075	900	741	39,142
7,500-9,999	3	16	25,322	59,856	39,440	1,558	263	43,244
10,000 and over	4	55	163,561	411,648	207,833	1,271	9,387	344,328
Total	111	229	251,529	599,309	320,676	1,275	11,389	455,947

(ii) Employees, wages and salaries, and employers' contributions
Firms employing 25 or more persons: United Kingdom

Average number	Emp]	loyees	Wages and	Wages and salaries		yers' outions	Wages and salaries per head		
employed by the enterprise in the industry (a) 25-49 50-99 100-199 200-299	Oper- atives	Others (c)	Oper- atives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Oper- atives	Others (c)	
145 251,528	Number	Number	£'000	£'000	£'000	£'000	£	£	
25-49	675	167	514	175	29	5	762	1,049	
50-99	753	232	540	201	31	10	717	865	
100-199	2,510	722	1,808	677	95	52	720	937	
200-299	1,205	557	1,134	533	61	8	941	957	
300-499	3,847	2,171	2,662	2,129	188	108	692	981	
500-999	3,435	3,029	2,902	3,144	236	243	845	1,038	
1,000-1,499	6,088	3,544	4,756	3,242	275	174	781	915	
2,000-3,999	8,396	4,093	6,732	3,764	365	339	802	920	
4,000-7,499	14,049	7,133	10,643	6,385	579	409	758	895	
7,500-9,999	14,760	10,562	11,291	9,855	729	869	765	933	
10,000 and over	88,808	74,749	72,885	68,810	4,488	4,326	821	921	
Total	144,526	106,959	115,867	98,915	7,075	6,541	802	925	

⁽a) Including working proprietors.

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

Ages	Males	Females	All employees
8501 (Julia 1 1 7 4)	Per cent.	Per cent.	Per cent.
Under 18	3	1 8780	4 1 1 1
18 and over	83	13	96
All ages	86	14	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 3 per cent. of the employment shown for 1963 and 4 per cent. for 1958.

	1958	1963
Number of firms	74	75
Average number employed:		
Working proprietors Other persons employed	} 1,049 {	101 883

- (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 specific sub-division are identified in Table 5.
- (c) This sub-division was described in 1958 as 'Complete aircraft or airframes'.
- (d) 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.
- (e) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).
- (f) Characteristic products relate only to specific subdivisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (h) Administrative, technical and clerical employees.
- (i) Including both flat rate and graduated contributions.
- (j) Including pensions and gratuities paid other than from pension funds.
- (k) Excluding expenditure for establishments not yet in production.

⁽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 £333,000.

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	Par cent. Per cent. Per c	1	958	AND AND RESPONDED IN	1963		
sub- division (a)		Quantity	Value	Quantity	Value	Enter- prises	Entries
01,04	Aircraft, new, complete	Number	£'000	Number	£,000	Number	Number
0.0	Combat	178	29,024	35	6,348	1.00	
State of a received	Other (including military non-combat	299	77,422	110	23,108	6	9
01,04	Aircraft reconditioned, complete for resale		1,677	1,089	21		18
galbile	Combat	31	802 112	8	249		38 *
01,04	Other (including military non-combat) Airframes (b)	53	219 245] 16	1,005	•	27
	Combat	330	47,055	150	35,858	6	9
	Other (including military non-combat)	69	5,995	159	9,830	6	6
02	Aero-engines		19.570	909	741	99,1	12
	New	2000	29,460	1,558	263	48,1	
	Piston	388		1,371	9.367	243.3	28
	Complete	382	2,438	361	281	0.0	
onivete	Parts (excluding electrical parts)	wolles aug	5,764		4,344	9	9
na zaini.	Gas turbine	mad: remal	Annual Control				
203 080	Complete	2,333	65,628	1,339	42,507		*
-	Parts (excluding electrical parts)		43,574		45,122	13 .	17
	Rockets, ram jets and pulse jets, complete and parts	reclinate	1,972	Triving	57(c)	*	•
02	Reconditioned, complete for resale	381376		CHES OUT	20000	Chick	(4)
	Piston	radio ···	945	220	341		
ons to	Gas turbine and jet propulsion	bodree off	805		341	*	
03	Propellers	Endustry as					
	Complete	1,483	3,976	643	1,917		•
13 8 15	Parts	bedus and	1,921		1,634	5	5
03	Undercarriages with or without wheels Aircraft parts and accessories, not	No. of sets	3,714	Units 615	3,797	5	5
TSETO DE	elsewhere specified, other than electrical equipment (d)	gnibülőát.	87,779	200	98,046	98	115
18/120	Unclassified parts and accessories	TO MITTER CI		::44	10,489	41	43
-	Parachutes	er asokvjes.	1306	Number	10,465	71	40
3.72	Complete	anni mirit	r	30,399	959	5	6
abong 5	Parts and accessories	0-0118	780	and the same	1,104	9	9
ad sessed	Other products, including gliders and	to buddenic	(4,325	1,104	3	9
810	sailplanes complete and parts	eraubna 1483	5,118	8,541	3,205	30	43
agent in the second	Waste products	Th.tons	(4) 336	Th. tons	172		
	Scrap iron and steel	1 gnibal1	(1) 90	18.7	97	} 48	67
RID 3	Scrap aluminium and aluminium {	4.9	537 293	8.4	638	47	67
	Other waste products	10113HD:12	371	facility	209	39	54

TABLE 5 (continued)

Industry		ia beau	195	8	25 salvole	1963		
sub- division (a)	1883	Q	uantity	Value	Quantity	Value	Enter- prises	Entries
	Work done	Y.		£'000		£,000	Number	Number
30.14 S4	Development and experimental wor on aircraft including prototype aircraft, etc. for which payment was receivable	1.8		58,738	accessoric arts	103,549	28	39
01,04	Development and production work guided weapons	on	s, ekspes Lilare más and	25,716	iq bas sloc	47,929	35	43
	Repair work, modifications, conversions, etc.			46,310	pagnt	66,775	50	75
	Other work done, on commission, sub-contract work, etc.			26,796	3,6	30,641	46	60
	Total			544,474	ento prosola high	540,550	ted aut as	1.5%502
	Sales in other industries (see Table 6)	1,01	ical miss	10,560	bring proce	14,800	a or har no berni	subject (mercha
	Principal products of this industry sold by establish ments in the industry		: Theight	533,914		525,750	111	143(e)

- (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 complete aircraft fitted with engines, instruments and other materials supplied by and remaining the property of H.M. Government; the value of such engines, instruments, etc. is excluded.
- (c) Parts only.
- (d) Described in 1958 as aircraft parts, not elsewhere specified, other than sparking plugs and other ignition equipment.
- (e) This figure represents the total number of returns made by larger firms in the 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				
ero-engines, complete and parts ircraft and parachutes, parts and accessories inclassified aircraft accessories and parts, including arts of aero-engines other than magnetos evelopment and production work on guided weapons	Value	Value	Entries	Principal industries in which produced (a)		
Parisons, muen or planes, but not further presented	£'000	£,000	Number	18,2 78		
Aircraft, new and reconditioned complete and airframes	1	146		49, 62, 74		
Aero-engines, complete and parts	4,604(b)	2,391	12	61, 62, 63, 74		
Aircraft and parachutes, parts and accessories	5,957(c)	343	6	52, 73, 74, 107		
Unclassified aircraft accessories and parts, including parts of aero-engines other than magnetos	edted.prin	9,542	73	44, 50, 51, 55		
Development and production work on guided weapons		2,377	8	51, 53, 58, 61		
Total .varaubni sida or	10,560	14,800	120			

- (a) The references given are to the list of industries at the back of this report.
- (b) Parts only.
- (c) Including parachutes complete.

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

oracon month came oraca action	1958	1963
	Value	Value
	£,000	£,000
Motor vehicles, parts and accessories (a)	9,190	842
Plant and machinery and parts	5,760	5,104
Tools including machine tools and parts	1,464	3,792
Other metal goods	1,875	817
Radio and electronic equipment Other goods] 1,149	1,631 3,335
Services rendered to other organisations (b)		2,334
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) Canteen takings	10,648	21,320 2,193
Total	31,872(c)	41,368

⁽a) In 1958 described as motor vehicles and parts and accessories.

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

					19	54	1963		
					Quantity	Cost	Quantity	Cost	
rials fr	processin	Country will	wholly or	(40)	Th.tons	€,000	Th.tons	€,000	
aterials	for processi	ing					in i		
Steel						10,321			
Bars	and rods (inc	luding wi	re rods), angles, shapes			21. 19211			
rolle	ed (not fabrices (a)	cated), in	s, joists and pillars cluding tube rounds and		37.1	2,730 {	26.8	2,652 791	
Casti	ings			o i o xis	9.6	2,634 {	5.3	1,734 389	
Forgi	ings (except	drop forgi	ngs)	{	9.4	3,012 2,134	9.5	3,056 3,605	
Plate	es, 3 mm. thi	ck and ove	r (b)	{	30.9	1,554 210	3.4	316 98	
Sheet	ts under 3 mm	. thick (i	ncluding electrical shee	ets)	ciuding epo os).	1,267 {	7.1	775 558	
Iron an		elsewhere	specified except finished		s ban servi	including	a seeds o		
Wrou	ght tubes and	fittings	for wrought tubes , conduits, etc.)	{	1.0	316 77	}	518	
Othe					7.7	1,693 {	23.5	3,080 2,489	
Light finish	metals and no ed parts, wir	n-ferrous e and scr	metals in all forms exce ap (c)		the people often for J	headquel	Clauvia bo Componen		
	inium and alu			{	21.9	10,017 2,530	} 16.4	11,74	
Bras and allo	cupro-nickel,	opper allo	oys (including nickel sinding all other nickel	lver {	2.1	782 1,260	0.7	310	
Сорр	er (excluding	blister)	(d)	{	0.6	238 31	0.4	159	
Magn	esium and mag	gnesium al	loys	allin	an manatria	1,119	as spagnito	1,22	
Insula	ted wires and	cables b	ought as such			(e)	1 and though	1,49	
		s and wash	ers, screws, nails,		parts the	2,281	saller Den	4,18	
tacks,			Lifts &:		Th.stds.	A COSSA VE	Th.stds.	anana .	
Soft		r planed,	but not further prepared	1 {	1.3	239 51	0.9	16	
16,602	anuractureu			2050	Th.cu.ft	preis radap	Th.cu.ft.	olasa-	
	lwood, sawn o	r planed,	but not further prepared	1 {	205	149 17	36.1	spect 7 g bax 1	
TRY	Potal most b			als	Th.sq.ft	I ban best	Th.sq.ft.	suns?	
Plyv			pard, laminboard and		2,552	368 <	1,960	20	
					Th.gal.	Salata Series	Th.gal.	e2003/0	
				1	522	742	502	78	
Paint	and varnish	(including	g lacquers and stains)	{	Th.cwt.		Th.cwt.		
				nizzu	a gratical with	90	1.6	sol sdel	

Continued on next page

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

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

	1954		1963	
	Quantity	Cost	Quantity	Cost
Materials for processing (continued)	Th.sq.yds.	£,000	Th.sq.yds.	£,000
Woven piece goods (other than narrow fabrics) wholly or mainly of (f)	r con	870	10 1200070 303	
Cotton	215	65 {	430	112
Synthetic fibres (nylon, etc.) Other (linen, etc.)	\bigg\{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	274 149}	{ 1,131 } 376	241 80 103 35
Synthetic resins and plastics materials (excluding leathercloth and reinforced plastics)	1,148		Th.cwt.	Castin
Plasticised and unplasticised sheet, film, rod, foil, tube, profile shapes and foam of polyvinyl chloride (including copolymers)	(4)	462	9.5	280
Thermosetting polyesters (including epoxide resins and resin glass fibre mixtures)	a guita la	402	5.5	157
Acrylic sheet	1 29 0 0 0 0 0	syningels	ion lasta i	98
Rubber manufactures including tyres and tubes		1,298	DE DHS. 9113	2,215
Flux covered electrodes for electric arc welding (including continuous electrodes)		(e) {	niin, weldel	30 258
Gases, compressed	1			361
Secondhand aircraft purchased for reconditioning Aircraft components and accessories for incorporation in new or repaired products	TENPAINS (2) q	(g)	erais and co	s ingil
Aero-engines	Number	lia soricisi	da bas min	Alum
New New	529	3,238	and. other	13,828
Secondhand, purchased for use, or for reconditioning and resale		1,127	(8	674
Propellers and undercarriages	(5)	4,299	r (excluding	3,815
Parts of aero-engines not elsewhere specified (other than electrical parts)	240 25 of 130 25 as 160	17,156	a han muic	18,049
Ball and roller bearings and parts thereof	Sweroi . St	1,517	rivets, nor	2,600
Electric motors, dynamos, magnetos, batteries and accumulators		1,316	.030	2,862
Control and navigation instruments and parts, except electronic	d as a son su	2,736	ness , boo	7,260
Radio, radar and other electronic equipment		1,570		15,502
Pumps, air and gas compressors, and valves for liquids and gases	d 101 300 200	1,679	ocd, sawn o	5,185
Plastic goods moulded and fabricated not elsewhere specified		182		787
Other aircraft components and accessories not elsewhere specified	adnimal (1991	16,343	aberité	29,011
Parts of motor vehicles (including parts of chassis, bodies and engines, etc.)		rdactry /		70
	hacquees on	galbuloni)	Th.gal. 615	238
Lubricating oils and greases (including cutting oils and emulsions)			Th.cwt.	
			3.8	319

		19	954	1963	
		Quantity	Cost	Quantity	Cost
	The state of the s	THE THE THEORY	€,000	de	\$,000
aterials for processing (cont	inued)	anti-schule x x	and district on	evoluse rec	
Replacement parts for firms' own machinery, plant and		Poir best E.	1963	8,7 870	
vehicles, and accessories ar as replacement	d consumable tools bought		15,321	anticion	5,907
All other materials for prod	essing		22,782	and beter	19,777
ackaging materials		for Remapert	ano i florations	no redro or	
Wrapping paper (including paper coated with plastics and any laminates incorporating paper but not metal),		hicies	v aboug had	operating m	
moulded pulp units, labels a materials of paper, cardboa multiwall sacks and boxes,	ed and fibreboard (except	4.6	1984	8.0	
drums and canisters)	Artons, passang sassa,			respect	287
		>	1,142	Th.cu.ft.	Doprect
Timber (sawn or planed) for cases, etc.	manufacture into packing	enlegos for a	opisedineya	261	209
Sheet, film, foams, etc. who (including bags and lay fla		ene	Sauck	Intol	52
All other packaging materia	ls			occurrent in the	387
uel and electricity (h)		Th.tons	1	Th. tons	3.00
Coal		259	1,103	195	1,210 158
Coke (including screenings)	and manufactured fuel	{ 47.2	270 89	31	274
Aviation fuels for testing purposes			{	Th.gal. 42,916	3,519 664
		Th.gal.	tol after	12 Payer	LIBAT
Derv fuel and motor spirit	for use in road vehicles	2,706	525	1,962	372
Other liquid fuels (includimixtures, etc., and liquefi		{ 46,545	3,317 1,802	33,936	1,422
		Th.therms 10,853	606	Th.therms 9,136	704
Gas		ч	160	e manasnia.	144
		Th.kWh.	2 200	Th. kWh.	2 676
Electricity		439,255	2,296 475	604,254	3,676 1,019
Total cost of mate	rials and fuel	inesquipe las	138,840	thu . yaasko	184,851
oods purchased for merchanti	ng	mg/lb/Ar/ Ne/ hoż	10000000	yarkastil	23,173
Canteen purchases				(2,141
Total cost of pure	hases		60101	ersa Yurun	210,165

- (a) Excluding 'Pillars rolled (not fabricated), including tube rounds and squares' in 1954.
- (b) 1954 description included 'Hoop and strip (including tape) of all thicknesses'.
- (c) 'Wire' was not specifically excluded in 1954.
- (d) 'Blister' was not specifically excluded in 1954.
- (e) Not recorded separately in 1954.
- (f) 'Narrow fabrics' were not specifically excluded in 1954.
- (g) Included in secondhand aero-engines, purchased for use or re-conditioning and re-sale, in 1954.
- (h) The total quantity of electricity generated in firms' own establishments in this industry in 1963 was 0.6 Th.kWh. Owing to the risk of disclosure of information relating to individual firms the quantity for 1954 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.	1,720
Transport costs	to toeld vi	mach inc
Wages and salaries	€,000	1,262
Derv fuel and motor spirit	•	372
Payments to other organisations for transport	*	804
Costs of operating road goods vehicles	estresit; dan	
Insurance	teagles	60
Vehicle licences	dense and	56
Depreciation		513
Payments to other organisations for repairs and maintenance	is solve to y	116
Total		3,183

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

Firms employing 25 or more persons: United Kingdom

antional data and a series of the contract of	Amounts payable
Repairs and maintenance to	£,000
Buildings	2,191
Road goods vehicles	116
Plant, machinery, and other capital equipment	3,400
Insurance, licensing and depreciation of road goods vehicles (b)	629
Rates, excluding water rates	2,860
Hire of plant and machinery	2,546
Postage, telephone, telegrams and cables des paragraphs and cables	2,050
Total	13,792

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

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	0.0
May	0.2	December	64.4
June July	0.6	1964	Tre, by more age derive the
August	3.2	January	0.7
September	6.1	February	0.2
October	0.3	March	19.4
	endringers angent deer, endry of o	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.

DM 55610/1/137230 K6 6/68 LB

⁽b) For details see Table 11.

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

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

Net output per person employed

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

Principal Products

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

Production

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

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packaging 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 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

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

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.

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. 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

- .. 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.

List of Industry Reports, etc

Part No. and title

- 1 Introductory Notes
- 2 Coal Mining 3 Stone and Slate Quarrying and Mining
- 4 Chalk, Clay, Sand and Gravel Extraction
- 5 Metalliferous Mining and Quarrying
- 6 Salt and Miscellaneous Non-metalliferous Mining and Quarrying
 7 Grain Milling
- 8 Bread and Flour Confectionery
- 9 Biscuits
- 10 Bacon Curing, Meat and Fish Products
- 11 Milk Products
- 12 Sugar
- 13 Cocoa, Chocolate and Sugar Confectionery
- 14 Fruit and Vegetable Products
- 15 Animal and Poultry Foods
- 16 Margarine
- 17 Starch and Miscellaneous Foods
- 18 Brewing and Malting
- 19 Spirit Distilling and Compounding 20 Soft Drinks, British Wines, Cider and Perry
- 21 Tobacco
- 22 Coke Ovens and Manufactured Fuel
- 23 Mineral Oil Refining
- 24 Lubricating Oils and Greases
- 25 Dyestuffs
- 26 Fertilizers and Chemicals for Pest Control 27 General Chemicals
- 28 Pharmaceutical Preparations
- 29 Toilet Preparations
- 30 Explosives and Fireworks
 31 Paint and Printing Ink
- 32 Vegetable and Animal Oils and Fats
- 33 Soap, Detergents, Candles and Glycerine 34 Synthetic Resins and Plastics Materials
- 35 Polishes
- 36 Gelatine, Adhesives, etc. 37 Iron and Steel (General)
- 38 Steel Tubes
- 39 Iron Castings, etc.
- 40 Non-ferrous Metals
- 41 Agricultural Machinery (except Tractors)
- 42 Metal-working Machine Tools 43 Engineers' Small Tools and Gauges 44 Industrial Engines

- 45 Textile Machinery and Accessories 46 Contractors' Plant and Quarrying Machinery
- 47 Mechanical Handling Equipment
- 48 Office Machinery
 49 Miscellaneous (Non-electrical) Machinery
 50 Industrial Plant and Steelwork
- 51 Ordnance and Small Arms
- 52 General Mechanical Engineering
- 53 Scientific, Surgical and Photographic Instruments, etc.
- 54 Watches and Clocks
- 55 Electrical Machinery
- 56 Insulated Wires and Cables
- 57 Telegraph and Telephone Apparatus 58 Radio and Other Electronic Apparatus
- 59 Domestic Electrical Appliances
- 60 Miscellaneous Electrical Goods
- 61 Shipbuilding and Marine Engineering
- 62 Motor Vehicle Manufacturing
- 63 Motor Cycle, Three-wheel Vehicle and Pedal Cycle Manufacturing
 64 Aircraft Manufacturing and Repairing
- 65 Locomotives and Railway Track Equipment
- 66 Railway Carriages and Wagons and Trams
- 67 Perambulators, Hand-trucks, etc.
- 68 Tools and Implements

Part No. and title

- 69 Cutlery
- 70 Bolts, Nuts, Screws, Rivets, etc.
- 71 Wire and Wire Manufactures
- 72 Cans and Metal Boxes
- 73 Jewellery, Plate and Refining of Precious Metals
- 74 Miscellaneous Metal Manufactures 75 Production of Man-made Fibres
- 76 Spinning and Doubling of Cotton, Flax and
- Man-made Fibres
- 77 Weaving of Cotton, Linen and Man-made Fibres
- 78 Woollen and Worsted
- 79 Jute
- 80 Rope, Twine and Net
- 81 Hosiery and Other Knitted Goods
- 83 Carpets 84 Narrow Fabrics
- 85 Household Textiles and Handkerchiefs
- 86 Canvas Goods and Sacks
- 87 Textile Finishing

- 88 Asbestos 89 Miscellaneous Textile Industries 90 Leather (Tanning and Dressing) and
- Fellmongery
- 91 Leather Goods
- 92 Fur
- 93 Weatherproof Outerwear
- 94 Men's and Boys' Tailored Outerwear 95 Women's and Girls' Tailored Outerwear

- 96 Overalls and Men's Shirts, Underwear, etc. 97 Dresses, Lingerie, Infants' Wear, etc.
- 98 Hats, Caps and Millinery 99 Corsets and Miscellaneous Dress Industries
- 100 Gloves
- 101 Footwear 102 Bricks, Fireclay and Refractory Goods
- 103 Pottery 104 Glass
- 105 Cement
- 106 Abrasives
- 107 Miscellaneous Building Materials, etc.
- 108 Timber
- 109 Furniture and Upholstery 110 Bedding and Soft Furnishings
- 111 Shop and Office Fitting
- 112 Wooden Containers and Baskets
- 113 Miscellaneous Wood and Cork Manufactures 114 Paper and Board
- 115 Cardboard Boxes, Cartons and Fibre-board
- Packing Cases 116 Miscellaneous Manufactures of Paper and Board 117 Printing and Publishing of Newspapers and
- 118 General Printing, Publishing, Bookbinding,
- Engraving, etc. 119 Rubber
- 120 Linoleum, Leathercloth, etc.
- 121 Brushes and Brooms
- 122 Toys, Games and Sports Equipment 123 Miscellaneous Stationers' Goods
- 124 Plastics Moulding and Fabricating 125 Miscellaneous Manufacturing Industries
- 126 Construction
- 128 Electricity
- 129 Water Supply 130 Index of Products
- 131 Summary Volume
- 132 Summary Volume
- 133 Summary Volume

© Crown copyright 1968

Printed and published by
HER MAJESTY'S STATIONERY OFFICE

To be purchased from 49 High Holborn, London w.c.1 423 Oxford Street, London w.1 13A Castle Street, Edinburgh 2 109 St. Mary Street, Cardiff CF1 1JW Brazennose Street, Manchester 2 50 Fairfax Street, Bristol 1 258-259 Broad Street, Birmingham 1 7-11 Linenhall Street, Belfast BT2 8AY or through any bookseller

Printed in England