



BOARD OF TRADE



THE REPORT ON THE CENSUS OF PRODUCTION FOR 1958

Part 44
ENGINEERS' SMALL TOOLS AND GAUGES

*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)*

LONDON: HER MAJESTY'S STATIONERY OFFICE

1961

TWO SHILLINGS NET

NOTES

These notes give only the main information which is needed for interpreting the census figures. Fuller explanations are given in a separate booklet of Introductory Notes (Part 1 of the Report on the Census of Production for 1958).

CHANGES IN THE 1958 CENSUS

Some changes were introduced in the 1958 census, which affect the comparability between 1954 and 1958 figures.

Returns in full detail were required only from firms employing 25 or more persons, instead of, as previously, from firms employing 11 or more persons.

The coverage of firms' returns for 1958 was in many cases rather wider than for 1954. In both years 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 offices, warehouses, laboratories, etc. at addresses separate from the works were treated as part of the establishment. For 1958, but not for 1954, firms were asked to include also, in all sections of their returns, particulars relating to 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 were carried on at the same address as the works, unless

they were conducted by a separate company, or by a separate department with a separate set of accounts; building and engineering maintenance departments were treated similarly. Selling and transport departments were treated in this way both for 1954 and 1958. While the effect of including these further ancillary activities was generally to produce higher figures for employment etc., the reporting of separate figures for merchant goods led to the exclusion of some firms who proved to be merchants with only minor productive activities.

Changes made for 1958 in the instructions governing the making of returns for two or more establishments operated by the same firm permitted combined returns to be made more freely than in previous censuses. Combined returns were accepted covering establishments in the same census industry, and situated in the same country (i.e. England, Scotland or Wales).

The 1954 figures have been re-tabulated to correspond as closely as possible to those for 1958, but because of the changes described above the correspondence is not always exact.

TERMS USED IN THE CENSUS REPORTS

CAPITAL EXPENDITURE

The expenditure on new building work shown excludes the cost of land and existing buildings purchased; for plant, machinery and vehicles both new and second-hand items are included. The value is that charged to capital account during the year, including any transport and installation cost involved. Capital expenditure in respect of establishments in Great Britain where production had not started before the end of the year is included in Table 1.

CHARACTERISTIC PRODUCTS (See the description of the method of classification before List of Tables)

EMPLOYMENT

(i) 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 fixed wages or salaries; but persons working less than half the normal hours are excluded.

(ii) Employees

Employees are classified under the two main headings of (a) administrative, technical and clerical employees and (b) operatives. The figures relate to persons on the pay-roll (i.e. whose National Insurance cards were held by employers), whether full-time or part-time employees. The figures for 1958 include, but those for 1954 exclude, persons engaged in merchanting or factoring, and canteen workers.

Administrative, technical and clerical employees include managers, superintendents, and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; travellers; and office (including works office) employees.

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 and, for 1958, 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 on materials

supplied by the firm in their own homes, etc.) are excluded.

(iii) Total employment

This is the sum of the average number of employees and the number of working proprietors; outworkers are excluded.

ENTERPRISE

The term enterprise is used in this report to mean one or more firms under common ownership or control as defined in the Companies Act, 1948. An enterprise normally consists either of a single firm, or of a holding company together with its subsidiary companies.

ENTRIES

The number of entries shown in Tables 4, 5 and 7 is the number of returns on which figures against a particular output or production heading were recorded. The number of entries is less than the corresponding number of establishments to the extent that combined returns were made covering more than one of the establishments concerned.

ESTABLISHMENT

In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine). Offices, warehouses, laboratories and other ancillary places of business at a separate address from the works were treated as part of the establishment.

INTERMEDIATE PRODUCTS

For some industries figures are given showing the total quantities made during the year of important intermediate products, i.e. products which may be further processed in the establishments in which they are produced, whether or not they are also sometimes sold. They include also goods produced from materials supplied by other firms.

MATERIALS AND FUEL

The totals shown include the cost of all purchases of materials and components for use in production, and of fuel (including oil, gas and electricity) for all purposes including heating, lighting and transport (where carried out by firms' own staff included in the return); all packing

materials, including the full cost of returnable cases and containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by their own work-people included in the return; consumable tools; and parts for machinery purchased during the year as replacements. Purchases of goods for merchancing or factoring, and canteen supplies, are included for 1958 but not for 1954. Materials supplied by customers for processing are excluded for both years.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport was 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 were entered at their c.i.f. cost plus any duty if the cost of transport from the docks was not included in the invoiced price, and at their full delivered cost if invoiced 'carriage paid home'.

NET OUTPUT

The net output of an industry represents the value added to materials by the process of production and includes for 1958 the gross margin on any merchanted or factored goods sold; it constitutes the fund from which wages, salaries, 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 was normally obtained by taking the total value of sales and work done (including, for 1958, the value of merchanted goods sold and canteen takings); adding the value of stocks at the end of the year and deducting their value at the beginning of the year; and deducting also the cost of materials and fuel purchased (including, for 1958, the value of goods purchased for merchancing and canteen supplies), payments for work given out to other firms, and payments for transport. The net amount of duty paid was deducted, and the net amount of subsidy received added.

NET OUTPUT PER PERSON EMPLOYED

The figures for net output per person employed are derived by dividing net output by total employment (see above).

PRINCIPAL PRODUCTS (See the description of the method of classification before List of Tables)

SALES

Sales include goods made by the business covered by the return, those made for it by out-workers or by other firms from materials given out to them (sometimes described as goods made on commission), and waste products sold. Any machinery or other capital items produced for use in the business covered by the return are also included, the value being that adopted in the firm's capital account for income tax purposes. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included for 1958 but not for 1954; where the total sales of merchanted or factored goods were less than £5,000, firms were permitted to include them with the figures for sales of goods of their own production.

The value shown for sales is the net selling

SYMBOLS USED

The following symbols are used throughout the reports:

- .. for not available
- for nil or negligible (less than half the final digit shown)

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. With a few exceptions, receipts for business and other services are not included.

To the extent that the finished products of one establishment constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

STOCKS AND WORK IN PROGRESS

The values shown are the income tax values of stocks of products on hand for sale, and of materials and fuel, at the beginning and end of the year of return. For 1958, but not for 1954, they include any stocks of goods held for merchancing or factoring. The value of work in progress at the two dates is also usually shown. This excludes any progress payments made to subcontractors, and no deduction is made on account of progress payments received.

TRANSPORT PAYMENTS

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport organisation of the same firm, not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, that is railways, road haulage, canals, coast-wise shipping, air, etc. Payments made for sea freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

WAGES AND SALARIES

These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. is excluded.

Figures are also shown for average salaries etc. paid per head for the week ended 25th October, 1958. For staff paid monthly, the figures are based on payments made in October, 1958. Where payments related to periods other than a week or month, an appropriate proportion was returned. Only those bonuses and commissions actually paid in the period are included.

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.

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.

The Report on the Census of Production for 1958

Part 44. ENGINEERS' SMALL TOOLS AND GAUGES

This report on the Engineers' Small Tools and Gauges Industry relates to establishments engaged in the manufacture of engineers' small tools, tool holders and work holders of the types used with metal-working machine tools, and engineers' gauges. The principal products of the industry include three other items manufactured in association with engineers' small tools, namely machine bits for wood, circular saw blades fitted with toothed segments of metal for cutting wood as well as metal, and detachable tools used in rock drilling machinery. The industry corresponds to minimum list heading 333 of the second (1958) edition of the Standard Industrial Classification, which has been used for the first time in the 1958 Census.

Engineers' small tools and engineers' gauges formed part of Industries 4C (Machine Tools) and 5A (Tool and Implement) in the reports on the last detailed Census of Production, for 1954; micro-meters and detachable tools for rock drilling machinery were formerly reported on in Industries 5H (Scientific, Surgical and Photographic Instruments, etc.) and 4I (Mechanical Engineering (General)) respectively.

For 1958, returns in full detail were required only from firms employing twenty-five or more persons and most of the tables in this report relate only to these larger firms. This is an important change from previous censuses when returns in full detail were required from firms employing eleven or more persons on productive work. Estimates for the industry as a whole are given in Table 1.

The figures given for 1954 correspond as closely as possible to those collected for 1958 but the correspondence is not exact, especially in respect of the small firms who gave only limited information. Some other changes introduced in the 1958 Census also affect the comparability between 1954 and 1958 figures; these are explained in the notes prefacing this report.

METHOD OF CLASSIFICATION

This industry is defined in terms of its 'principal products' which are those shown in Table 4. A census return was classified to this industry if the sales of the principal products of this industry accounted for a greater proportion of its output than the principal products of any other industry. Where, however, the application of this rule would have resulted in a change of classification between 1954 (on the revised basis) and 1958, the return was classified to the same industry as for 1954 unless the output of principal products in the new industry was one third more than in the old; this modification of the general rule was designed to avoid discontinuities as the result of marginal changes of output between the two censuses. Sales of merchanted products and of non-specific items such as waste products, work done and canteen takings were not taken into account in classifying returns.

A similar procedure was followed in classifying to the sub-divisions of the industry shown in Table 2, the sub-divisions being defined in terms of their 'characteristic products'. The numbers shown in the left hand column of Table 4 identify the sub-division of which the item is a characteristic product. The total value of sales of characteristic products shown in Table 2 includes, besides the products which define the sub-divisions, other items of output assumed to be closely related to them, e.g. waste products and non-specific work done, but such items were not generally taken into account in determining the classification to sub-divisions.

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Industry summary: United Kingdom

TABLE 1 Estimates for all firms (a)

	Unit	1954	1958	
Number of enterprises	No.	..	1,106	
Number of establishments	..	..	1,168	
Sales	{ goods produced and work done	£'000	59,933	73,521
	{ merchanted goods and canteen takings	..	..	3,788
Purchases of materials and fuel (b)	..	16,693	23,059	
Products on hand for sale (b)	{ change during year	..	- 185	+ 565
	{ at end of year	..	3,232	6,414
Work in progress	{ change during year	..	- 6	- 189
	{ at end of year	..	4,571	6,852
Stocks of materials and fuel (b)	{ change during year	..	- 475	+ 1
	{ at end of year	..	3,850	5,706
Payments for work done on materials given out	..	1,757	2,191	
Payments for transport	..	360	610	
Net output	..	40,458	51,828	
Average number employed (c)	{ operatives	Th.	37.0	39.8
	{ other employees	..	9.5	11.5
	{ total, including working proprietors	..	46.8	51.5
Wages and salaries	{ of operatives	£'000	17,640	23,855
	{ of other employees	..	5,928	9,007
Capital expenditure (d)				
New building work	..	617	1,457	
Plant and machinery	{ acquisitions	..	2,619	3,321
	{ disposals	..	190	192
Vehicles	{ acquisitions	..	426	647
	{ disposals	..	138	271

(a) For 1958, estimates in respect of returns from small firms and unsatisfactory returns accounted for about 17 per cent. of the total figures in which they were incorporated. A summary of the detailed returns received is given in Table 2.

(b) Goods for merchenting and canteen supplies are included for 1958 but excluded for 1954.

(c) Persons engaged in merchenting or factoring and canteen workers are included for 1958 but excluded for 1954.

(d) Including expenditure in Great Britain for establishments not yet in production.

Analysis by sub-divisions of the industry

TABLE 2 Firms employing 25 or more persons: United Kingdom (a)

	Unit	Sub-divisions of the industry (b)				Total	
		Engineers' small tools (01)		Engineers' gauges (02)		1954	1958
		1954	1958	1954	1958		
Number of enterprises	No.	332	324	23	31	355	355
Number of establishments	"	405	378	35	37	440	415
Sales	£'000	45,386	55,077	4,511	6,134	49,898	61,211
		goods produced and work done					
		merchanted goods and canteen takings					
Sales of characteristic products	"	38,085	44,241	2,090	3,793		
Purchases of materials and fuel (c)	"	12,985	17,800	912	1,397	13,898	19,198
Products on hand for sale (c)	"	- 218	+ 351	+ 63	+ 119	- 154	+ 471
		change during year					
		at end of year					
Work in progress	"	- 75	- 124	+ 70	- 33	- 5	- 157
		change during year					
		at end of year					
Stocks of materials and fuel (c)	"	- 365	- 93	- 30	+ 95	- 395	+ 1
		change during year					
		at end of year					
Payments for work done on materials given out	"	1,398	1,745	65	78	1,463	1,824
Payments for transport	"	271	460	29	48	300	508
Net output	"	30,076	38,258	3,608	4,891	33,684	43,150
Average number employed (d)	No.	26,912	29,290	4,034	4,012	30,946	33,302
		operatives					
		other employees					
		total, including work proprietors					
Net output per person employed	£	886	1,012	718	959	865	1,005
Wages and salaries	£'000	12,862	17,421	1,896	2,537	14,758	19,958
		of operatives					
		of other employees					
Wages and salaries per head	£	478	595	470	632	477	599
		operatives					
		other employees					
Capital expenditure (e)	£'000	472	813	21	50	493	864
New building work	"	2,065	2,550	115	209	2,181	2,759
Plant and machinery	"	152	148	6	12	158	160
		acquisitions					
		disposals					
Vehicles	"	339	514	16	21	355	535
		acquisitions					
		disposals					

(a) The following information relates to small firms (employing fewer than 25 persons) in this industry:

	1958
Number of returns	728
Average number of persons employed including working proprietors	
Males	6,934
Females	1,118

(b) The method of classifying returns to sub-divisions of the industry is explained at the beginning of this report; the characteristic products of each sub-division are identified in Table 4.

(c) Goods for merchanting and canteen supplies are included for 1958 but excluded for 1954.

(d) Persons engaged in merchanting or factoring and canteen workers are included for 1958 but excluded for 1954.

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

Analysis by size of enterprise within the industry, 1958

TABLE 3 Firms employing 25 or more persons: United Kingdom

Average number employed by the enterprise in this industry (a)	Enterprises	Establishments	Total sales (b)	Net output	Employees		Wages and salaries		Capital expenditure (c)	Net output per person employed (a)
					Operatives	Others	Operatives	Others		
					Number	Number	£'000	£'000			£'000	£
25 - 49	155	160	8,158	5,872	4,484	1,137	3,004	942	558	1,045
50 - 99	107	119	10,381	7,371	5,899	1,469	3,864	1,250	706	999
100 - 199	49	58	10,322	6,851	4,910	1,652	3,102	1,285	832	1,043
200 - 299	17	22	6,430	4,040	3,090	1,027	1,796	783	433	981
300 - 399	9	11	4,992	3,161	2,249	791	1,446	712	314	1,040
400 - 499	5	8	3,676	2,381	1,851	459	998	320	212	1,031
500 - 749	4	13	3,739	2,441	2,092	491	1,183	435	168	945
750 - 999	5	13	5,059	3,758	3,274	771	1,618	560	223	929
1,000 - 2,999	4	11	11,608	7,274	5,453	1,783	2,947	1,249	713	1,005
Total	355	415	64,365	43,150	33,302	9,580	19,958	7,536	4,158	1,005

(a) Including working proprietors.

(b) Value of sales of goods (including merchanting goods), work done, and canteen takings.

(c) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles. Excluding expenditure for establishments not yet in production.

Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries

TABLE 4 Firms employing 25 or more persons: United Kingdom

Industry sub-division (a)	1954		1958				
	Quantity	Value	Quantity	Value	Enter-prises	Entries	
	Th.doz.	£'000	Th.doz.	£'000	Number	Number	
01	Engineers' cutting and forming small tools and tool and work holders and parts thereof						
01	Hard metal tipped tools	239	2,940	266	3,357	55	56
01	Hard metal tips and inserts, sold separately	555	1,497	711	1,751	20	21
01	Hard metal dies and die pellets, sold separately	8.6	233	6.1	339	17	17
01	Hard metal tipped tools, tips and inserts, dies and die pellets, unclassified	..	275	..	96	..	..
01	Diamond tipped tools and diamond dies	..	(b)	5.2	449	8	9
01	Other than hard metal						
01	Drills, cylindrical, helically grooved (commonly known as twist drills), bit stock drills and machine bits for wood (but not including auger bits)	1,849	2,231	3,174	3,446	30	30
01	Slitting saws	37.6	370	42.0	515	6	6
01	Milling cutters	59.5	1,310	49.9	1,747	52	52
01	Reamers, end mills and similar shank tools	100	895	208	1,957	47	48
01	Lathe and planer tools	257	1,120	275	1,254	31	31
01	Broaches	17.6	909	..	1,208	12	12
01	Hacksaw blades	..	2,515(c)	..	2,355	12	12
01	Cut and ground thread screwing tackle	..	3,782	..	4,479	30	32
01	Other cutting tools, except saws and saw blades	..	1,850	..	1,850	50	50
01	Press tools	..	3,611	..	6,262	162	167
01	Moulds and dies	..	2,265	..	2,699	110	112
01	Lathe chucks	..	1,266	..	1,605	14	16
01	Drill chucks	..	410	..	532	14	14
01	Jigs and fixtures	..	11,584	..	11,828	294	306
01	Other tool and work holders	..	1,537	..	2,190	67	69
01	Circular saw blades fitted with toothed segments of metal and toothed segments therefor (for metal or wood)	..	(d)	..	943	8	8
01	Metal cutting bandsaw blades	..	..	..	129	8	8
01	Detachable tools (drilling bits, etc.) used in rock drilling machinery	..	863	179	1,304	13	14
01	Other and unclassified engineers' small tools	..	12,527	..	9,622	129	134
	Total engineers' small tools		59,096		66,084	..	..

TABLE 4 (contd.)

Industry sub-division (a)	1954		1958				
	Quantity	Value	Quantity	Value	Enter-prises	Entries	
	Th.	£'000	Th.	£'000	Number	Number	
02	Engineers' gauges and measuring instruments (except pressure and vacuum gauges)						
02	Plain plug, ring, gap and plate gauges	80.9	192	314.4	925	67	68
02	Dial gauges and other dial indicators (except pressure and vacuum gauges)	29.1	242	48.9	242	17	17
02	Other and unclassified engineers' gauges and measuring instruments	359.6	708	933.9	1,028	76	79
	Total engineers' gauges		4,237		5,696	..	..
	Iron and steel scrap	Tons 5,919	154	Tons 5,923	132	132	137
	Brass scrap	4	1	7	1	17	17
	Copper scrap	9	2	21	1	12	12
	Other scrap metals	..	43	..	7	22	22
	Other waste products	..	13	..	31	15	15
	Research and development work done for customers (including Government Departments)		65		321	19	19
	Installation work		-		79	..	..
	Total		63,727		72,417	..	..
	Sales in other industries (see Table 5)		21,005		22,356	..	..
	Principal products of this industry sold by establishments in the industry		42,722		50,061	355	369(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) Not separately recorded in 1954.
 (c) Including hacksaw frames.
 (d) Included in 'Other and unclassified engineers' small tools'.
 (e) This figure represents the total number of returns made by larger firms in this industry, which is less than the total number of establishments shown in Table 2 on account of combined returns covering more than one establishment.

Sales of principal products of the industry by establishments
classified to other industries

TABLE 5 Firms employing 25 or more persons: United Kingdom

	1954		1958			
	Quantity	Value	Quantity	Value	Entries	Principal industries in which produced (a)
	Th.doz.	£'000	Th.doz.	£'000	Number	
Engineers' cutting and forming small tools, and tool and work holders and parts thereof						
Hard metal tipped tools	..	1,333	82.9	1,280	19	38, 43, 50, 53
			..	813		
Hard metal tips and inserts, sold separately	..	497	52.7	271	6	38, 43, 50
Hard metal dies and die pellets, sold separately	..	228	..	96	5	38, 43
Hard metal tipped tools, tips and inserts, dies and die pellets, unclassified	-	-	..	318	..	38, 69, 75
Other than hard metal						
Drills, cylindrical, helically grooved (commonly known as twist drills), bit stock drills and machine bits for wood (but not including auger bits)	..	535	..	368	10	43, 75
Milling cutters	..	313	12.2	122	11	43, 50, 53
			..	290		
Reamers, end mills and similar shank tools	..	150	..	188	5	43, 50, 53
Lathe and planer tools	..	82	..	171	10	43, 50, 52
Hacksaw blades	..	342	..	435	5	38, 43, 52, 69
Cut and ground thread screwing tackle	..	1,265	..	1,229	11	43, 50
Other cutting tools, except saws and saw blades	..	1,221	..	1,582	23	43, 50, 53, 69
Press tools	..	804	..	2,531	40	43, 50, 63, 75
Moulds and dies	..	1,015	..	849	37	41, 43, 50, 52
Lathe chucks	..	265	..	474	12	43
Drill chucks	..	265	..	474	12	43
Jigs and fixtures	..	2,106	..	1,611	95	43, 49, 53, 63
Other tool and work holders	..	416	..	1,256	35	41, 43, 52, 75
Detachable tools (drilling bits, etc.) used in rock drilling machinery	..	478	24.1	320	8	50, 57, 61, 69
			..	58		
Other and unclassified engineers small tools	..	8,107	..	6,784	57	38, 43, 50, 69
Engineers' gauges and measuring instruments (except pressure and vacuum gauges)						
Plain plug, ring, gap and plate gauges	Th.	91	Th.	(b)		
	..	91	..	(b)		
Dial gauges and other dial indicators (except pressure and vacuum gauges)	4.5	97	..	127	5	46, 50
	..	1,089	..	127	5	46, 50
Other and unclassified engineers' gauges and measuring instruments	37.1	111	31.6	92	40	50, 54, 61, 69
	..	460	..	1,092	40	50, 54, 61, 69
Total		21,005		22,356	..	

(a) The references given are to the list of industries at the back of this report.
(b) Included in 'Other and unclassified engineers' gauges and measuring instruments'.

Sales of other than principal products by larger firms in the industry

TABLE 6 Firms employing 25 or more persons: United Kingdom

	1954		1958	
	Quantity	Value	Quantity	Value
		£'000		£'000
Permanent magnets and other metal manufactures	..	631	..	605
Metal-working machine tools				
New				
Complete	..	1,317	..	1,886
Parts	..	396	..	547
Reconditioned	..	76	..	14
Textile machinery and accessories	..	125	..	31
Mining machinery, complete and parts	..	40	..	273
Other (non-electric) machinery, complete and parts	..	713	..	667
Industrial plant and steelwork; and ordnance and small arms, complete and parts	..	282	..	737
Other general mechanical engineering	..	62	..	440
Scientific, surgical and photographic instruments, etc.	..	61	..	118
Parts and accessories of motor vehicles and aircraft	..	26	..	405
Tools and implements	..	833	..	817
Cutlery	..	70	..	944
Other products	..	973	..	1,368
Repairs and jobbing and other work done		1,572		2,297
Total value of goods sold without being subjected to any manufacturing process (merchanted or factored)	2,964
Canteen takings		..		191
Total		..		14,303

TABLE 7 - Total make of intermediate products, 1958

This table is not applicable to the industry.

Employment and salaries, etc. for the week ended October 25, 1958

TABLE 8 Firms employing 25 or more persons: United Kingdom

	Males	Females	Total
	Number	Number	Number
Working proprietors	32	3	35
Operatives	26,674	6,223	32,897
Administrative, technical and clerical employees	6,001	3,660	9,661
Total employees	32,675	9,883	42,558
Average salaries, etc. paid per head for the week to administrative, technical and clerical employees	£ 19.4	£ 6.8	£ 14.6

Part

- 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 Food Industries
- 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 Coal-tar Products
- 28 Chemicals (General)
- 29 Pharmaceutical Preparations
- 30 Toilet Preparations
- 31 Explosives and Fireworks
- 32 Paint and Printing Ink
- 33 Vegetable and Animal Oils and Fats
- 34 Soap, Detergents, Candles and Glycerine
- 35 Synthetic Resins and Plastics Materials
- 36 Polishes
- 37 Gelatine, Adhesives, etc.
- 38 Iron and Steel (General)
- 39 Steel Tubes
- 40 Iron Castings, etc.
- 41 Non-ferrous Metals
- 42 Agricultural Machinery (except Tractors)
- 43 Metal-working Machine Tools
- 44 Engineers' Small Tools and Gauges
- 45 Industrial Engines
- 46 Textile Machinery and Accessories
- 47 Contractors' Plant and Quarrying Machinery
- 48 Mechanical Handling Equipment
- 49 Office Machinery
- 50 Miscellaneous (Non-electrical) Machinery
- 51 Industrial Plant and Steelwork
- 52 Ordnance and Small Arms
- 53 General Mechanical Engineering
- 54 Scientific, Surgical and Photographic Instruments, etc.
- 55 Watches and Clocks
- 56 Electrical Machinery
- 57 Insulated Wires and Cables
- 58 Telegraph and Telephone Apparatus
- 59 Radio and Other Electronic Apparatus
- 60 Domestic Electrical Appliances
- 61 Miscellaneous Electrical Goods
- 62 Shipbuilding and Marine Engineering
- 63 Motor Vehicle Manufacturing
- 64 Motor Cycle, Three-wheel Vehicle and Pedal Cycle Manufacturing
- 65 Aircraft Manufacturing and Repairing
- 66 Locomotives and Railway Track Equipment
- 67 Railway Carriages and Wagons and Trams
- 68 Perambulators, Hand-trucks, etc.
- 69 Tools and Implements

Part

- 70 Cutlery
- 71 Bolts, Nuts, Screws, Rivets, etc.
- 72 Wire and Wire Manufactures
- 73 Cans and Metal Boxes
- 74 Jewellery, Plate and Refining of Precious Metals
- 75 Miscellaneous Metal Manufactures
- 76 Production of Man-made Fibres
- 77 Spinning and Doubling of Cotton, Flax and Man-made Fibres
- 78 Weaving of Cotton, Linen and Man-made Fibres
- 79 Woollen and Worsted
- 80 Jute
- 81 Rope, Twine and Net
- 82 Hosiery and Other Knitted Goods
- 83 Lace
- 84 Carpets
- 85 Narrow Fabrics
- 86 Household Textiles and Handkerchiefs
- 87 Canvas Goods and Sacks
- 88 Textile Finishing
- 89 Asbestos
- 90 Miscellaneous Textile Industries
- 91 Textile Converting
- 92 Leather (Tanning and Dressing) and Fellmongery
- 93 Leather Goods
- 94 Fur
- 95 Weatherproof Outerwear
- 96 Men's and Boys' Tailored Outerwear
- 97 Women's and Girls' Tailored Outerwear
- 98 Overalls and Men's Shirts, Underwear, etc.
- 99 Dresses, Lingerie, Infants' Wear, etc.
- 100 Hats, Caps and Millinery
- 101 Corsets and Miscellaneous Dress Industries
- 102 Gloves
- 103 Footwear
- 104 Bricks, Fireclay and Refractory Goods
- 105 Pottery
- 106 Glass
- 107 Cement
- 108 Abrasives
- 109 Miscellaneous Building Materials, etc.
- 110 Timber
- 111 Furniture and Upholstery
- 112 Bedding, etc.
- 113 Shop and Office Fitting
- 114 Wooden Containers and Baskets
- 115 Miscellaneous Wood and Cork Manufactures
- 116 Paper and Board
- 117 Cardboard Boxes, Cartons and Fibre-board Packing Cases
- 118 Miscellaneous Manufactures of Paper and Board
- 119 Printing and Publishing of Newspapers and Periodicals
- 120 General Printing, Publishing, Bookbinding, Engraving, etc.
- 121 Rubber
- 122 Linoleum, Leathercloth, etc.
- 123 Brushes and Brooms
- 124 Toys, Games and Sports Equipment
- 125 Miscellaneous Stationers' Goods
- 126 Plastics Moulding and Fabricating
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- 130 Electricity
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- 132 Index of Products
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- 134 Summary Volume
- 135 Summary Volume

CENSUS OF PRODUCTION REPORTS FOR OTHER RECENT YEARS

The census reports for earlier years include some items which are not included in the Report on the Census of Production for 1958. The most recent reports are listed below, with an indication of any important items they contain which do not appear in the 1958 Reports. The data in all these earlier reports is analysed in accordance with the original (1948) edition of the Standard Industrial Classification.

Census of Production for 1951: Summary Tables, Part I (H.M.S.O., 1956. Price 6s. net).

No important items which do not appear in the 1958 Reports.

Census of Production for 1951: Summary Tables, Part II (H.M.S.O., 1956. Price 6s. net).

Channels of sales, 1948

Payments for services, 1948

Shift working, 1951

Power equipment, 1951

Prime movers, 1951

Analysis of periods covered by census returns, 1948 and 1951.

The Report on the Censuses of Production for 1952 and 1953. Introductory Notes and 5 volumes. (These volumes are now out of print.)

No important items which do not appear in the 1958 Reports.

The Report on the Census of Production for 1954. Introductory Notes, Index of Products, and 154 booklets relating to individual industries (H.M.S.O., 1956-59. Prices vary, usually from 1s. 6d. to 2s. net for each booklet).

Detailed information about materials and fuel purchased.

Census of Production for 1954: Summary Tables, Part I (H.M.S.O., 1958. Price 9s. net).

Fuel purchased

Gas produced in certain industries

Electricity generated, purchased and sold

Materials purchased: iron and steel; non-

ferrous metals; paint; plastics materials;

cotton and rayon, nylon, etc. textiles; timber;

packing materials; replacement parts for plant

etc. (Information about purchases of other

materials is given in The Report on the Census

of Production for 1954.)

Census of Production for 1954: Summary Tables, Part II (H.M.S.O., 1959. Price 7s. net).

Regional analyses of gross output, net output and capital expenditure.

Census of Production for 1954: Summary Tables, Part III (H.M.S.O., 1959. Price 8s. net).

Sales of particular products by certain industries in Scotland and Wales.

The Report on the Censuses of Production for 1955, 1956 and 1957. Introductory Notes and 5 volumes (H.M.S.O., 1959. Prices 1s. 6d. to 3s. 6d. net according to size of volume).

No important items which do not appear in the 1958 Reports.

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Printed and published by
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