## Report on the Census of Production 1968

No'TES
These notes give the main information eeded for interpreting the Census figures. More detailed information about the Census is
given in a separate booklet - 'Description of given in a separate booklet - 'Description
the Census': Part I of the Report on the the Census': Part I of the Report on the
SCOPE OF THE 1968 CENSUS AND CHANGES COMPARED WITII 1963
The Census for 1968 was taken within the The Census for 1968 was taken within the ramework of the Standard Industrial Classi
fication (Revi sed 1968) and covered all industries listed in Orders II to XXI, industries engaged in manufacturing, mining and quarrying, construction, and gas, electri revision to the Standard In a result of the fication there have been changes compared with 1963 in the def initions of individua industries (details of which are given in the separate parts of the Report relating to them) and their allocation to Orders of the Standard Industrial Classification. Details re now given for some industries (in part which have not been separately distinguished before; while for the production of perambulators, hand trucks, etc for which there was a separate report for 1963, the particulars are now mainly included in the Report on the ys, ,ames, etc Industry
The number of separate industry reports as increased from 128 in the 1963 Census to 53 for the 1968 Census. Apart from the in rease in the number of industries identified ind Industrial Classificevion of the Stand changes in the scope of the Census and the following activities, which were out of scope for the 1963 Census are included in the Census for 1968. The minimum list heading to which
ach is classified is shown in brackets

## Peat cutting and digging <br> Heat treatment of milk

Coffee blending, grinding and roasting
Tea blending
Jacquard card cutting and
designing
Preparation of oven ready
poultry at packing stations
(109/4)
ricultural machinery repairing. motor-car breaking; and the sorting and and ing of woollen and worsted hair rags which was in scope of the 1963 Census were excluded
for 1968 . for 1968
4. The rules used in classifying establish industries The most general change changed for 1968. of the rule by which in 1963 the the dropping fication of an establishment was classiif the pattern of its output had only change considerably between two consecut altered number of changes which had limited applis. cation were also made, the most notable being
the treatment given to parts of machines principal products of the mechanical engineergroup of industries.
5. Another change concerned the exemption return requirement to complete a detailed the establishment and not, as in previous censuses, to the firm. This meant that a firm with more than one establishment employ ing fewer than 25 persons at each, but with 1968 from completing a detailed return (except in industries in which short forms were used - see paragraph 19). In previous censuses such a firm would have been required to provide a combined detailed return covering all establishments

There were a number of differences in the information collected compared with 1963 , notably that the questions asked about employers' contributions to National Insurance private pension schemes, etc for 1963 were obtained from the Department of Employment resulting from their Labour Costs Survey, 1968 upon which estimates could be based.
7. The method of collection of information n small establishments al so differed between he 1963 and 1968 Censuses in selected indust les where a short form was used; for the 1963 Census only a sample of small establishents was approached to give detailed info ation on their businesses, the remainder being required to provide simply a statement number of persons employed. For average Census all the small establishments in the selected 'short form' industries (with the exception of the Construction Industry (other han Public Authorities) where a 1 in 12 sample was used) were asked to provide detailed information.
8. Additional information about payments for certain services was obtained from a sample of enterprises in a supplementary inquiry into respect of payments for advertising mas in research, professional services, royal ties etc and commercial insurance premiums. eceipts from royalties, etc were also collected in the supplementary inquiry. Similar data (except for that relating to professional ervices) were collected in 1963. The informSmmary Tables 4 and 5 in Part 156 a a nd 5 in Part 156
9. For the purpose of this Report the 1963 reclassified to bring this shments have been Standard Industrial Classificatione with the 1968) wherever possible, but because of the nature of the questions asked in the 1963 Census it was not always possible to do so and the correspondence therefore is not always the 1963 forms for difficult to reclassify because of the arence of sales data such cases the pattern of reclassification
of returns from larger establishments wa taken as a guide. Nevertheless the figures for 1963 in the reports are fairly closely comparable with those for 1968 , except for some industries where new activi-
ties have been included or where significant thanges were made in the coverage of sales. headings. All important changes in classification are described in the introduction to the relevent industry reports.
TERMS USED IN TIE CENSUS REPORTS
Average number employed
10. Establishments were required to state the number of persons on the payroll (ie whose National Insurance cards were held by them) on the average during the year of return, whether full-time or part-time
employees. Separate figures were required employees. Separatie, technical and
for (a) administrative, clerical employees and (b) operatives (see helow). Averages could be calculated from figures relating to the last week of each calendar month. Establishments were also required to state the number of working pro
prietors (see below) where appropriate and prietors (see below) where appropriate
these are included in total employment
figures. Information on outworkers (ie
persons employed by firms, who worked in
their own homes on materials supplied by the their own homes on materials supplied
establ ishment making the return) are establishment making the return) are
excluded. The figures also include persons excluded. The figures and in include perso
engaged in merchanting and factoring and canteen workers where particulars of these activities could not be excluded from the return.

## Working proprietors

These include all persons regarded as 'selfemployed' 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. Directors working in the business but not in receipt of a definite wage, salary but directors paid by fee only are excluded.
Employees
(i) Administrative, technical and clerical employees include managing and other directors in receipt of a def inite wage, salary or commission; managers, superintendents and
works foremen; research, experimental works foremen; research, experimental,
development, technical and design emplo (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including
(ii) Operatives cover all other classes of employees, that is, broadly speaking all manual wage earners. They include those inployed in or about the factory or works; houses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; cleaners. Operatives engaged in
outside work of erection, fitting, etc are
also included, but outworkers are excluded. Information about the numbers of out workers employed
Industry
Capital expenditure
(i) New building work

This represents the cost incurred during the year of new building and other new construct canteens and the like used buildings, 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 and re-construction of old buildings, the value of works of a capital nature carried out by the establishment's own staff and the cost of any newly constructed buildings purchased Figures shown include any legal charges, stamp duties, agents' commissions, etc
(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 (ex cluding the value of any assets acquired in taking over an existing business), and the holds di sposed 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 anount received for tems disposed of during the year. The value plant, etc which firms produced for their own use in connection with the business covered by the return. The value of plant, et 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 escence. The proceeds of items disposed of during the year exclude amounts written of $f$ for items scrapped.
(iv) Capital expenditure during the year in respect of establishments where production had not started before the end of the year is excluded from the figures for both 1963 and 1968.

Combined returns
11. A combined return is one which covers two or more establ ishments in the same censu Scotland or in the same country (England, cotland or Wales); the number of operatives employed in each of the establishments

## Enterprise

12. The term enterprise is used in this under common one or more control. An enter prise consists of a single establishment, more han one establ ishment owned by the same firm,
or a number of establishments owned by a parent company and its subsidiary companies Information about the relationship between obtained mainly from publ ished sources, such by information from company reports and information supplied by establishments. The information available is not complete, but covers the largest and most important groups industrial estabid a ufficient to provide a worthwhile basis for nalysis.

## stabl ishment

13. For the 1968 Census an establishment is ef ined in accordance with the Standard ndustrial Classification (Revised 1968) as being the smallest unit which can provide census, for example employment, expenses turnover, capital formation. Establishments their returns particulars relating to any department not engaged in production for which separate records were kept. Where separate accounts were not kept, returns included details of merchanting or factoring, and other and mary active of sacking and manufacture of containers for packing activities were carried on at the same address s the works, building and engineering maintenance, selling and transport and the peration of canteens.
Larger establishments are establishments in which 25 or more persons were employed on average during the year
Small establishments are establishments in average during the year.

## Goss output

4. The gross output of an industry is the aggregate value of goods made and other work
done dur ing the year by establ ishments class fied to the industry. It is derived by subracting from the value of sales and work done, the value of stocks of goods on hand for sale and work in progress at the begin-
ning of the year and adding the value at the ning of the year
t output
5. The net output of an industry represents he value added to the materials by the rocess of production. It includes the gross margin on any merchanted or factored goods sold: it constitutes the fund from which
wages, salaries, hire of plant and machinery, payments for repairs and maintenance, cost of operating the road goods vehicles, rents, ates and taxes, advertising and other sellng expenses and all other similar charges ave to be met, as well as depreciation and rofits. There is no appreciable duplication involved in adding together the net output of

Net output has been obtained by deducting from gross output (see paragraph 14) the cost of purchases adjusted for stock changes, payments or work given out toother establishments and payments for transport
Normally any customs duty or excise duty on materials purchased is included in the cost have been valued as they were sold, duty paid or duty free. The amounts of duties subsidies, allowances and levies receivable or payable, where of substantial importance o the industry, were required to be stated eparately, and these items were taken into Net output per person employed
6. The figures for net output per person employed are derived by dividing the net output by the average number of persons employed covered by the raturns, including operatives, overed byative technical and clerical employees and working proprietors, but excluding outworkers

## urchases

17. Purchases include the cost of materials and components bought for use in production; packaging materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office naterials and materials for repairs to establishment's own buildings, plants and vehicles when carried out by their own work people nd parts for machinery purchased during the year of return as replacement charges are also included. In general, purchases of goods for merchanting or factoring and canteen supplies are included. aterials supplied by customers for processng are excluded, as are all purchases charged o capital account.
The values shown include any duty paid (less ebate, etc) but exclude trade discounts lowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including an establishment's own separate transport organisation, for delivery of materials and fuels are, therefore, cluded at their in purchased overseas ar payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivery cost if invoiced carriage paid home'. Materials and fuel ransferred from another department of the
 recorded by the other department.
Sales
18. Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other estab
(sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use by the business covered by the return are included, the value being that adopted in the estableut
ment's asset accounts. Goods sold without ment's asset accounts. mabjected to any manufacturing process (merchanted or factored) and canteen takings are included.
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, excluding any trade discounts, agents, commissions, allowance for returnable cases, purchase tax etc; the net amount charged packaging materials is included. Goods charged on a delivered basis to customers Goods produced in one establishment and transferred to another establishment of the samed as sales by the producing establishment and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail seling organisations for which separate accoun
To the extent that sales of finished products of one establishment constitute the materials purchased by another, total figures of the are of include an element of duplication.
Short form
19. This term is used to mean the simplified version of the full census forms sent to small establishments in industries where smal establishments account for a relatively high proportion of total employment.
Standard Industrial Classification
20. The industries to which establishments and enterprises are classified are defined and enterprise of the Standard Industrial Classification (Revised 1968).
Stocks and work in progress
21. Values are given of stocks of goods on and for sale, and of materials and fuel, at he beginning and end of year of return ncluding any stocks of goods held for duty in the case of dutiable goods held out of bond. The value of work in progress at the beginning and end of the year is also usually shown. This exctudes any and no payments made tade on account of progress payments received. Separate detail is,
however, given for progress payments received by manufacturers in industries producing capital items. In practice, figures of stock year values and the change, plus or minus, during the year.
Transport payments
22. These represent the total amount paid or credited during the year for both outward transport of finished goods sold and insed. transport of materents to other establishment and to any separate transport organisation of the same establishment not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are the payments for hired cartage and outwards carriage transport, ie railways, road haulage, canals coast-wise shipping, air, etc. Payments mad for sea and air freight on goods sold to ove seas customers and on materials and fue seas cused fromerseas suppliers are excluded.

Wages and salaries
23. These are the amounts paid during the ar to operatives and to administrative, technical and clerical employees. Payments made to working proprietors, whether called salaries or not are excluded. The values hown include all overtime payments, bonuse and commissions, whether paid regularly or not, and no deduction is made for income tax, value of any payments in kind, travelling expenses, lodging allowances, etc and employ ers'contributions to National Insurance and pensions schemes is excluded.
Symbols used
24. The following symbols are used through out the report
not available

- nil or negligible (less than half the final digit shown)
* figures cannot be shown owing to the risk of disclosing information about individual enterprises.


## Rounding of figures

25. The figures in the tables have, where necessary, been rounded to the nearest fina digit. There may, therefore, be discrepancies between the sums of the constituent ite and the totals shown.

* indicates a report which includes additional tables containing particulars for small In the report marked $H$ the additional analysis for small establishments relates to a part industry only.

```
                                    St andard Industrial Reference
```

Description of the Census
MINING AND QUARRYING
Coal mining
*Stone and slate quarrying and mining
*Chalk, clay, sand and gravel extraction
102
103
Metalliferous mining and quarrying
$109 / 1$ and 2
104,109
and 4
mining and quarrying

OOD, DRINK AND TOBACCO
Bread and flour confectionery Biscuits
Bacon curing, meat and fish products
and milk products
Sugar
ruit, chocolate and sugar confectionery
nimal and vegetable product
rimal and poultry foods
egetable and animal oils and fats
Margarine
arch and miscellaneous foods
Brewing and malting
Spirit distilling and compoundin
British wines, cider and perry
Tobacco

Coke ovens and manufactured fuel
Mineral oil refining

CHEMICALS AND ALLIED INDUSTRIES
ORDER V
General chemicals (inorganic)
General chemicals (organic)
chemicals (ather than inorganic and organic)
Pharmaceutical chemicals and preparations
Paint
Soap and detergents
Synthetic resins and plastics materials and synthetic rubber Dyestuffs and pigments
Polishes
Pormulated
Explosives, fireworks and matches
Formulated pesticides and disinfectants
Printing ink
ges, et
Photographic chemical materials

METAL GOODS NOT ELSEWHERE SPECIFIED
Standard
Industria lassificatio Reference

ORDER XII
Engineers' small tools and gauges
Hand tools and implements
Cutlery, spoons, forks and plated
Bolts, nuts, screws, rivets, etc
Wire and wire manufactures
Cans and metal boxes
Jewellery and precious metals Metal furniture
Metal hollow-ware
Miscel laneous metal goods

TEXTILES
Production of man-made fibres
Spinning and doubling on the cotton and flax systems
Noaving of cotton, linen and man-made fibres
Noollen and worsted
Jute
Rope
Hosiery and other knitted goods
*Lace
Narrow fabrics
Made-up household textiles and handkerchiefs
Canvas goods and sacks, etc
Asbestos
*Miscellaneous textiles
EATHER

## Leather (tanning and dressing) and fellmongery

 *Leather goods431
432
433

CLOTHING AND F00TWEAR
Weatherproof ot
Men's and boys' tailored outerwear
Women's and girls' tailored outerwea
Overalls and men's shirts, underwear, et
*Dresses, lingerie, infants, wear, etc
*Hats, caps and millinery
Corsets and miscellaneous dress industries Coves

BRICKS, POTTERY, GLASS, CEMENT, ETC
ORDER XVI
Bricks, fireclay and refractory good
Pottery
Glass
Cement
Abrasives
*Miscellaneous building materials and mineral products

| Report <br> Part <br> No. |  | Standard Industrial Classificat Reference |
| :---: | :---: | :---: |
|  | TIMBER, FURNITURE, ETC | ORDER XVI |
| 131 | *Timber | 471 |
| 132 | Furniture and upholstery | 472 |
| 133 | *Bedding and soft furnishings | 473 |
| 134 | *Shop and office fittings | 474 |
| 135 | *Wooden containers and baskets | 475 |
| 136 | *Miscellaneous wood and cork manufactures |  |
|  | PAPER, PRINTING AND PUBLISHING | ORDER XVII |
| 137 | Paper and board |  |
| 138 | Cardboard boxes, cartons and fibre-board packing cases | 482/2 |
| 139 | Packaging products of paper and associated materials (other than board) | 483 |
| 141 | Miscellaneous manufactures of paper and board | 484 |
| 142 | Printing, publishing of newspapers and periodicals | 485,486 |
| 143 | *General printing, publishing, etc |  |
|  | OTHER MANUFACTURING INDUSTRIES | ORDER XIX |
| 144 | Rubber | 491 |
| 145 | Linoleum, plastics floor covering, leathercloth, etc | 492 |
| 146 | *Brushes and brooms , | 493 |
| 147 | Toys, games, childrens' carriages and sports equipment | 494 |
| 148 | Miscellaneous stationers' goods | 495 |
| 149 | Plastics products | 496 |
| 150 | *Miscel laneous manufacturing industries | 499 |
|  | CONSTRUCTI 0 N | ORDER XX |
| 151 | *Construction | 500 |
|  | gas, ELECTRICITY and water | ORDER XXI |
| 152 | Gas | 601 |
| 153 | Electricity | 602 |
| 154 | Water supply |  |
| 155 | Index of products |  |
| 156 | Summary tables: Industry analyses |  |
| 157 | Summary tables: Area analyses |  |
| 158 |  | ORDERS II |
| 159 | Directory of Businesses: Mining and Quarrying; Construction; Gas Electricity and Water | XX and XXI |
| 160 | Directory of Businesses: Food, Drink and Tobacco | ORDER III |
| 161 | Directory of Businesses: Coal and Petroleum Products; Chemicals and Allied Industries |  |
| 162 | Directory of Businesses: Metal Manufacture | ORDER VI |
| 163 | Directory of Businesses: Mechanical Engineering Electrical | ORDERS VII |
| 164 | Directory of Businesses: Instrument Engineering; Electrical Engineering |  |
| 165 | Directory of Businesses: Shipbuilding and Marine Engineering; Vehicles | 0RDERS X and XI |
| 166 | Directory of Businesses: Metal Goods Not Elsewhere Specified | ORDER XII |
| 167 | Directory of Businesses: Textiles Leather Goods and Fur; Clothing and | ORDERS XI |
| 168 | Directory of Businesses: Footwear | and XV <br> ORDERS XI |
| 169 | Directory of Businesses: Bricks, Pottery, Glass, Cement, etc; Timber, Furniture, etc | and XVI |
| 170 | Directory of Businesses: Paper, Printing and Publishing | ORDER XVII |
| 171 | Directory of Businesses: 0ther Manufacturing Industries | ORDER XI |

This Report on the Engineers' Small Tools and Gauges Industry relates to establishments engaged wholly or mainly in manufacturing engineers' small tools, tool holders and work holders of the types used with metal-working machine tools, and engineers' gauges (other than pressure and vacuum measuring instruments, and optical gauges). This industry corresponds to minimun list heading 390 in the Standard Industrial
Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census.

The industry corresponds to the Engineers' Small Tools and Gauges Industry (Part 43) in the Reports on the last detailed Census of Production for 1963, included in the Report on the Hand Tools and Implements Industry (Part 88).
Throughout this Report, the figures given for 1933 have been reclassified, as far as possible, according to the Standard Industrial Classification (Revised 1968) so feclassification of small firms, which provided limited information only, has been arbitrary.

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

LIST OF TABLES

| $\begin{aligned} & \text { Table } \\ & \text { No. } \end{aligned}$ | Title | Page |
| :---: | :---: | :---: |
|  | SECTION I - Estimates for all establishments in the industry |  |
| 1 | Indust ry summary, 1963 and 1968 | 87/3 |
| 2 | Analysis by size of establishment within the industry, 1968 | 87/4 |
| 3 | Percentage analysis of employees, by age and sex, 1969 | 87/5 |
|  | SECTION II - Analysis of returns received |  |
| 4 | Analysis of larger establishments, 1963 and 1968 | 87/6 |
| 5 | Sales of principal products of the industry by larger establishments, including sales by establishments cl assified to other industries, 1963 and 1968 | 87/8 |
| 6 | Sal es of principal products of the industry by larger establishments cl assified to other industries, 1963 and 1968 | 87/10 |
| 7 | Sal es of other than principal products by larger establishments in the industry, 1963 and 1968 | 87/11 |
| 8 | Production of certain principal products of the industry by larger establ i shments, 1963 and 1968 | $\begin{aligned} & \text { DoES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 9 | Purchases by larger establishments of sel ected principal products of the industry, 1968 | $\begin{aligned} & \text { DOES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 10 | Purchases by 1 arger establishments in the industry, 1963 and 1968 | 87/13 |
| 11 | Transport costs and employment of 1 arger establishments, 1963 and 1968 | 87/15 |
| 12 | Payments for certain services, etc by larger establishments, 1963 and 1968 | 87/16 |
| 13 | Percentage analysis of twelve-month periods covered by returns from larger establ ishments, 1968 | 87/16 |

## Footnotes continued from page $87 / 3$

(c) Including services rendered to other organisations (anounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered)
(d) Administrative, technical and clerical employees.
(e) Excluding expenditure for establishments not yet in production.
(f) Acquisitions less disposals.

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

|  | Unit | All establishments |  |
| :---: | :---: | :---: | :---: |
|  |  | 1963 | 1968 |
| Number of enterprises | No. | 1,340 | 1,452 |
| Number of establi shments | " | 1,413 | 1,594 |
| Gross output | $£^{\prime} 000$ | 112,427 | 170,629 |
| Net output | " | 74,312 | 113,695 |
| Net output per head | £ | 1,294 | 1,730 |
| Sales and work done $\quad\left\{\begin{array}{l}\text { goods produced and work done (c) }\end{array}\right.$ | £'000 | 103,724 | 158, 202 |
| \{ merchanted goods and canteen takings | " | 8,000 | 10,458 |
| $\left\{\begin{array}{l} \text { materials for use in production and } \\ \text { packaging and fuel } \end{array}\right.$ | " | 28, 183 | 43,513 |
|  | " | 6,863 | 8,926 |
| $\left[\begin{array}{l}\text { for work done on materials given out } \\ \text { for transport }\end{array}\right.$ | " | 2, 436 | 3,894 |
| Payments to other organisations $\quad\left\{\begin{array}{l}\text { for transport } \\ \text { by road } \\ \text { by rail and other means excluding } \\ \text { postal services }\end{array}\right.$ | " | 530 | 555 276 |
| Stocks and work in progress |  |  |  |
| Total stocks and work in progress $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} 600 \\ +\quad 27,969 \end{array}$ | $\begin{array}{r} +\quad 2,200 \\ 40,489 \end{array}$ |
| Goods on hand for sale e $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} 274 \\ 10,400 \end{array}$ | $\begin{array}{r} 279 \\ +\quad 271 \end{array}$ |
| Hork in progress $\quad\{$ change during year | " | + 429 | + 1,690 |
| at end of year | " | 9,326 | 15,985 |
| Material s, stores and fuel $\{$ change during year | " | - 103 | + 231 |
| at end of year | " | 8,242 | 11,233 |
| (total, including working proprietors | Th. | 57.4 | 65.7 |
| Number employed on average during the year | " | 42.4 | 48.6 |
| (other employees (d) | " | 13.0 | 15.5 |
| Wages and sal aries $\quad\{$ of operatives | £'000 | 30,096 | 48, 244 |
| ( of other employees (d) | " | 12, 288 | 18,907 |
| Capital expenditure (e) |  |  |  |
| Total | " | 6,429 | 10, 457 |
| New building work | " | 1,368 | 1,519 |
| Land and existing buildings (f) | " | 134 | 218 |
| Pl ant and machinery ( f ) | " | 4, 532 | 8,071 |
| Vehicles ( f ) | " | 395 | 648 |

a) For 1968, estimates for est abli shments not making satisfactory returns and for small est abl ishments,
 which they were incorporated: of this, unsatisfactory returns account
the comparable figures were 20 per cent. and 3 per cent. respectively.
The following information rel ates to small establi shments s (employing fewer than 25 persons) in this
industry. It includes an estimate for small establishments not making satisfactory returns.
Number of establi shments
Average number employed
Working prop rietors
Morking proprietors
ther persons andod
botnotes continued on page $87 / 2$.
$\begin{array}{rr}1963 & 1968 \\ 963 & 1,079\end{array}$
(970
1,719
8,862

1, 279

TABLE 2 Analysis by size of establishment within the industry, 1968
(i) Output and employment

All establishments: United Kingdom

| Number employed on average the year by the the year ment (a) est abl i shment | Estab-lishments | $\begin{array}{\|c} \text { Enter } \\ \text { prises } \\ \text { (b) } \end{array}$ | Total number employed on average year (a) | Gross output | $\underset{\text { Net }}{\text { Net }}$ output | Net output per head |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | $£^{\prime} 000$ | $£^{\prime} 000$ | £ |
| 1-5 | 253 | 252 | 783 |  |  |  |
| 6-10 | 231 | 229 | 1,786 |  |  |  |
| 11-24 | 452 | 450 | 7,751 |  |  |  |
| 25-49 | 204 | 197 | 7,540 | 18,334 | 13,991 | 1,85 |
| 50-99 | 164 | 151 | 11, 184 | 27,941 | 19,938 | 1,783 |
| 100-199 | 68 | 58 | 9, 132 | 23,095 | 15, 161 | 1,660 |
| 100-199 | 28 | 25 | 6,590 | 17,355 | 11,634 | 1,765 |
| 300-399 | 11 | 10 | 3,979 | 11,857 | 7,818 | 1,965 |
| 400-499 | 5 | 5 | 2,355 | 7,205 | 3,752 | 1,593 |
| 500-749 | 10 | 9 | 5,858 | 15, 332 | 9,904 | 1,691 |
| 750 and over | 5 | 5 | 6,527 | 16,958 | 9,765 | 1,496 |
| Unsatisfactory returns | 163 | 160 | 2, 248 |  |  |  |
| Total | 1,594 | 1,452 | 65,733 | 170,629(c) | 113,695(c) | 1,730(c) |

(ii) Employees, wages and sal aries

All establishments: United Kingdom

| Number employed on average during the year by theestablishment (a) establ i shment (a) | Employees |  | Wages and sal aries |  | Wages and sal aries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oper- <br> atives | 0 thers <br> (d) | Operatives | Others (d) | Oper- <br> atives | 0 thers <br> (d) |
|  | Number | Number | £'000 | £'000 | £ |  |
| 1-5 |  |  |  |  |  |  |
| 6-10 |  |  |  |  |  |  |
| 11-24 |  |  |  |  | 1,163 | 1,349 |
| 25-49 | 5,904 | 1,461 | 6,869 | 1,971 | 1,163 |  |
| 50-99 | 8,712 | 2, 360 | 9,548 | 3,088 | 1,096 | 1,308 |
| 100-199 | 6,814 | 2,287 | 6,622 | 2,742 | 972 | 1,199 |
| 200-299 | 4,830 | 1,756 | 4,931 | 2,066 | 1,021 | 1,176 |
| 300-399 | 2,784 | 1, 195 | 2,746 | 1,529 | 986 | 1,279 |
| 400-499 | 1,729 | 626 | 1,461 | 681 | 845 | 1,088 |
| 500-749 | 4, 198 | 1,658 | 3,851 | 1,836 | 917 | 1,107 |
| 750 and over | 5,079 | 1,448 | 3,712 | 1,674 | 731 | 1,156 |
| Unsatisfactory returns |  |  |  |  |  |  |
| Total | 48,608(c) | 15,508(c) | 48,244( c) | 18,907 (c) | 993(c) | 1,219(c) |

(a) Including working proprietors

The sum of the extent
employing fewer than 25 persons and for
(c) Including estimates for establishments employing
(d) Administrative, technical and clerical employees

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)
All establ ishments: United Kingdom

| Ages | Mal es | Fenales | All l employees |
| :--- | :---: | :---: | :---: |
| Under 18 | Per cent. | Per cent. | Per cent. |
|  | 4 | 1 | 5 |
|  | 73 | 22 | 95 |
|  | 77 | 23 | 100 |

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is avail able on the basis of the Standard Industrial Cl assi fication (Revi sed 1968).

Footnotes to Table 4.
(a) Some establishments employing fewer than 25 persons were ncluded in returns for 1 arger establishments. These
(b) The method of classifying returns to sub-divisions of the The method of classifying returns to sub-divisions of
industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5 .
(c) The sum of the figures for the sub-divisions exceeds the
total for the industry to the extent that enterprises total for the industry to the extent that enterprises
made returns for more than one sub-division made returns for more than one sub-division
(d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other services rendered).
(e) Direct sales of goods (excluding canteen takings) made to, and work done for, the general publ ic by larger establish-

(f) Characteristic products rel ate only to sub-divisions of the indust ry
(g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of good produced and work done. For the industry as a whole,
this is the ratio of total sal es of principal products the industry to total sales of goods produced and work done.
(h) Administrative, technical and clerical employees.
(i) Excluding expenditure for establishments not yet in

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

|  | Unit | Sub-divisions of the industry (b) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Hard metal tipped tools, tips and dies 01 |  | Metal cutting tools other than hard metal tipped 02 |  |
|  |  | 1963 | 1968 | 1963 | 1968 |
| Number of enterprises (c) | No. | 30 | 31 | 66 | 62 |
| Number of establishments |  | 36 | 41 | 91 | 87 |
| Gross output | £'000 | 11,492 | 15, 167 | 35,966 | 50,156 |
| Net output | " | 6,568 | 9,301 | 22,009 | 30,942 |
| Net output per head | £ | 1,651 | 1,823 | 1,219 | 1,634 |
| Sal es and work done $\quad\left\{\begin{array}{l}\text { goods p roduced and work } \\ \text { done (d) (e) }\end{array}\right.$ | £'000 | 10,350 | 13,914 | 32,135 | 45,534 |
|  | " | 1,076 | 1,075 | 3,732 | 3,991 |
| Sales of characteristic products | " | 8,417 | 10,964 | 25,356 | 37, 206 |
| Index of specialisation (g) | $\underset{\substack{\text { Per } \\ \text { cent. } \\ \hline}}{ }$ | 81 | 79 | 79 | 82 |
| $\text { Purchases }\left\{\begin{array}{l} \text { materials for use in } \\ \text { production and packaging, } \\ \text { and fuel } \\ \text { goods for merchanting and } \\ \text { canteen purchases } \end{array}\right.$ | £’000 | 3,979 837 | 4,729 887 | 9,838 3,268 | 14,617 3,606 |
| $\int \begin{aligned} & \text { for work done on material s } \\ & \text { given out } \\ & \text { for transport }\end{aligned}$ | " | 114 | 196 | 388 | 701 |
| Payments to other organisations $\quad\left\{\begin{array}{l}\text { by road } \\ \text { by rail and other means } \\ \text { excluding postal } \\ \text { services }\end{array}\right.$ | " | 48 | 33 17 | 217 \{ | 206 144 |
| Stocks and work in progress 144 |  |  |  |  |  |
| Goods on hand for sale $\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} 22 \\ -\quad 1,024 \end{array}$ | $\begin{array}{r} 78 \\ 1,550 \end{array}$ | $\begin{array}{r}+\quad 125 \\ \hline 5,279\end{array}$ | $\begin{array}{r} 10 \\ +\quad 6,294 \end{array}$ |
| Work in progress $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} +\quad 88 \\ \\ \\ \hline 77 \end{array}$ | $\begin{array}{r} 100 \\ 1,287 \end{array}$ | $\begin{array}{r} 26 \\ -\quad 2,718 \end{array}$ | $\begin{array}{r} 620 \\ +\quad 5,114 \end{array}$ |
|  | " | + 54 | - 6 | - 247 | + 62 |
| and fuel ${ }^{\text {at end of year }}$ |  | 1,294 | 1,396 | 2,613 | 3,852 |
| Number employed on $\quad\left\{\begin{array}{l}\text { total, including working } \\ \text { proprietors } \\ \text { eperatives }\end{array}\right.$ | No. | 3,979 | 5, 101 | 18,055 | 18,932 |
| Number employed on average during the year |  | 2,705 | 3, 321 | 13,733 | 14, 295 |
| Oother employees (h) |  | 1,268 | 1,766 | 4, 279 | 4,605 |
| Wages and sal aries $\quad\left\{\begin{array}{l}\text { of operatives }\end{array}\right.$ | $£^{\prime} 000$ | 1,955 | 3, 290 | 8,037 | $11,785$ |
| ( of other employees (h) |  | 1,152 | 2,032 | 3,744 | $5,073$ |
| Wages and sal aries per head $\quad\left\{\begin{array}{l}\text { operatives } \\ \text { other }\end{array}\right.$ | £ | 723 | 991 | 585 | 824 |
| other employees (h) <br> Capital expenditure (i) | " | 909 | 1,150 | 875 | 1,102 |
| $\begin{aligned} & \text { Capital expenditure (i) } \\ & \text { New building work } \end{aligned}$ | $£^{\prime} 000$ | 153 | 113 | 372 | 425 |
| Land and existing buildings | " | - | 17 | 28 | 104 |
| di sposal s |  | 6 | 114 | 52 | 21 |
| Plant and machinery $\quad\left\{\begin{array}{l}\text { acquisitions } \\ \text { disposal }\end{array}\right.$ | " | 393 | 531 | 1,453 | 1,865 |
|  |  | 21 | 23 | 77 | 125 |
| Vehicles $\quad\left\{\begin{array}{l}\text { acquisitions } \\ \text { disposals }\end{array}\right.$ | " | 72 29 | 89 | 178 | 315 |
|  |  | 29 | 48 | 86 | 158 |


| Sub-divisions of the industry (b) |  |  |  |  |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Metal forming tools ther than hard metal tool 04 |  | $\begin{gathered} \begin{array}{c} \text { Tool and work } \\ \text { holders } \mathrm{s} \end{array} \\ 03 \end{gathered}$ |  | Engineers gauges and other small tools 05 |  |  |  |
| 1963 | 1968 | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 |
| 115 | 145 | 119 | 134 | 48 | 60 | 363 | 404 |
| 124 | 171 | 130 | 147 | 53 | 70 | 434 | 516 |
| 12,739 | 28,579 | 17, 223 | 25,348 | 12, 100 | 19,523 | 89,520 | 138,773 |
| 9,882 | 21,763 | 12,753 | 18,521 | 7,960 | 11,940 | 59, 172 | 92,468 |
| 1,264 | 1,856 | 1,260 | 1,712 | 1,381 | 1,735 | 1,294 | 1,730 |
| 12,308 | 27,875 | 16,869 | 24, 455 | 10,928 | 16,888 | 82,590 | 128,666 |
| 265 | 309 | 407 | 772 | 890 | 2, 357 | 6,370 | 8,505 |
| 7,644 | 21,559 | 12,003 | 18,092 | 9, 101 | 14,593 | (f) | (f) |
| 62 | 77 | 71 | 74 | 83 | 86 | 88 | 90 |
| 2, 102 | 5,307 | 3, 181 | 5,383 | 3,342 | 5,354 | 22,441 | 35,389 |
| 252 | 290 | 384 | 551 | 723 | 1,926 | 5,465 | 7, 260 |
| 499 | 1,183 | 743 | 751 | 196 | 336 | 1,940 | 3, 167 |
|  | 94 |  | 56 |  | 63 |  | 452 |
|  | 25 |  | 25 |  | 13 |  | 224 |
| 18 | + 34 | + 10 | + 46 | + 88 | + 58 | + 218 | + 227 |
| 45 | 215 | 1,010 | 1,308 | 923 | 1,427 | 8,282 | 10,793 |
| + 148 | + 360 | - 63 | + 74 | + 195 | + 221 | + 342 | + 1,375 |
| 1,066 | 2,843 | 1,450 | 1,956 | 1,215 | 1,800 | 7,426 | 13,000 |
| + 32 | + 83 | - 104 | - 60 | + 182 | + 110 | - 82 | + 188 |
| 594 | 1,178 | 1,114 | 1,328 | 947 | 1,382 | 6,563 | 9,136 |
| 7,819 | 11,727 | 10,120 | 10,821 | 5,763 | 6,880 | 45,736 | 53, 461 |
| 6, 296 | 9,239 | 7,757 | 8,261 | 4,318 | 5,163 | 34,809 | 40, 279 |
| 1,431 | 2,355 | 2, 261 | 2,448 | 1,413 | 1,677 | 10,652 | 12,851 |
| 5,368 | 11,007 | 6,301 | 8,941 | 3,007 | 4,954 | 24,668 | 39,978 |
| 1,547 | 3,390 | 2, 160 | 3, 132 | 1,479 | 2,041 | 10,082 | 15,668 |
| 853 | 1,191 | 812 | 1,082 | 696 | 960 | 709 | 993 |
| 1,081 | 1,439 | 956 | 1,279 | 1,046 | 1,217 | 946 | 1,219 |
| 106 | 341 | 287 | 233 | 171 | 123 | 1,089 | 1,236 |
| 139 | 106 | 33 | 58 | 14 | 122 | 214 | 406 |
| 10 | 23 | 5 | 43 | 34 | 29 | 108 | 229 |
| 714 | 2, 301 | 839 | 1,312 | 442 | 896 | 3,841 | 6,906 |
| 47 | 110 | 48 | 42 | 39 | 42 | 232 | 342 |
| 98 | 217 | 126 | 208 | 66 | 110 | 540 | 939 |
| 37 | 75 | 48 | 92 | 26 | 40 | 226 | 411 |

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968
Establishments employing 25 or more persons:

| Industry <br> sub- <br> divi sion <br> (a) |  |
| :---: | :---: |
|  | Engineers' cutt ing and forming small <br> tools, and tool and work hol ders and |

Engineers, cutting and forming small
tools, and tool and work holders and parts thereof

Hard metal tipped tools
Hard metal tips and inserts, sold separately
Hard metal dies and die pellets,
sold separately
sold separately
Detachable tools (drilling bits etc
used in rock drilling machinery)
Total hard metal tipped tools,
tips and dies tips and dies
02
Metal cutting tools other than hard netal tipped
Drills, cylindrical, helically grooved (commonly known as twist
drills), and bit stock drills (but excluding auger bits and wood boring machine bits) (b)
Bandsaws for metal
Circular saws for metal
Circular saw blades fitted with oothed segments of metal and toothed wood)
Slitting saws
Hacksaw blades (including powe driven hacksaw blades) (c)
Milling cutters
Reamers, end mills and similar
shank tools
athe and planer tools
Broaches
Cut and ground thread screwing tackl
Other cutting tools (excluding saws
and saw blades) and saw blades)

Total metal cutting tools other than hard metal tipped
04
Metal forming tools other than hard metal tools
Press tools
Moulds and dies (including moulds
and dies for plastics) (d)
Total metal forming tools other
than hard metal tools


(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 establ ishments, not merely sales by establishments classified to the sub-division.
(b) For 1963 'woodboring machine bits' were specifically included.
(c) For 1963 'power driven hacksaw blades' were not specifically included.
(c) For 1963 'power driven hacksaw blades' were not specifically included.
(d) For 1963 'moulds and dies for plastics' were not specifically included.
(e) Included joulds and dies for
(f) This figure represents the total number of returns made for larger establishments in this industry covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{} \& 1963 \& \multicolumn{3}{|c|}{1968} \\
\hline \& Value \& Value \& Entries \& \[
\begin{gathered}
\text { Principal } \\
\text { industries } \\
\text { in which } \\
\text { produced }
\end{gathered}
\] \\
\hline \multirow[t]{4}{*}{\begin{tabular}{l}
Engineers cutting and forming small tools and tool and work holders and parts thereof \\
Hard metal tipped tools, tips and dies \\
Hard metal tipped tools \\
Hard metal tips and inserts, sold separately \\
Hard metal dies and die pellets, \\
sold separately \\
Detachable tools (drilling bits etc) used in rock drilling machinery \\
Total hard metal tipped tools, tips and dies \\
Metal cutting tools other than hard metal tipped \\
Drills, cylindrical, helically grooved (commonly known as twist drills) and bit stock drills (but excluding auger bits and woodboring machine bits) and other cutting tools (except saws and saw blades) \\
Bandsaws and circular saws for metal \\
Hacksaw blades (including power driven hacksaw blades) \\
Cut and ground thread screwing tackle Milling cutters \\
Reamers, end mills and similar shank tools Lathe and planer tools
\end{tabular}} \& \begin{tabular}{l}
£’000 \\
1,968 \\
947 \\
593
\end{tabular} \& \(£ ’ 000\)

1,229
89
456

1,512 \& | Number |
| :--- |
| 13 |
| 5 |
| 10 | \& \[

$$
\begin{aligned}
& 51,63,89,97 \\
& 51,55,97 \\
& 47,48,89,95 \\
& 52,55,63,88
\end{aligned}
$$
\] <br>

\hline \& 3,507 \& 3,286 \& \& <br>

\hline \& $$
\begin{array}{r}
1,377 \\
145 \\
1,509 \\
\\
190 \\
385 \\
142
\end{array}
$$ \& 2,249

205
1,632

265 \& 36
9
10 \& $45,51,63,66$
$44,51,63,88$
$51,65,89,147$

$63,66,82,88$ <br>
\hline \& 3,749 \& 4,352 \& \& <br>

\hline \multirow[t]{2}{*}{| Metal forming tools other than hard metal tools Press tools |
| :--- |
| Moulds and dies (including moulds and dies for plastics) |
| Total metal forming tools other than hard metal tools |} \& \[

$$
\begin{array}{r}
11,139 \\
1,817
\end{array}
$$
\] \& 8,299

2,115 \& 97

60 \& | $51,63,82,97$ |
| :--- |
| 47,51,63,65 | <br>

\hline \& 12,956 \& 10,414 \& \& <br>

\hline \multirow[t]{3}{*}{| Tool and work holders |
| :--- |
| Lathe chucks |
| Drill chucks |
| Jigs and fixtures |
| 0 ther tool and work holders |
| Total tool and work holders |
| Other and unclassified engineers' small tools (including circular saw blades fitted with toothed segments of metal) and toothed segments thereof (for metal or wood) |} \& \[

$$
\begin{array}{r}
671 \\
5,200 \\
1,951
\end{array}
$$
\] \& 753

- 

3,427

2,270 \& \[
$$
\begin{array}{r}
119 \\
44
\end{array}
$$

\] \& | 44,51 |
| :--- |
| $51,63,66,82$ |
| 51,53,64,82 | <br>

\hline \& 7,822 \& 6,450 \& \& <br>
\hline \& 5,480 \& 3,414 \& 47 \& 44,63,68,74 <br>
\hline
\end{tabular}

TABLE 6 (continued)

|  | 1963 | 1968 |  |  |
| :--- | ---: | ---: | ---: | ---: |
|  | Value | Value | Entries | Principal <br> industries <br> in which <br> produced (a) |
| Engineers' gauges (excluding optical, and <br> pressure and vacuum gauges) <br> Dial gauges and other dial indicators | $£^{\prime} 000$ | $£^{\prime} 000$ | Number |  |
| Other and unclassified | 394 | 754 | 6 | 64,70 |
| Total engineers' gauges | 1,228 | 867 | 26 | $51,66,88,111$ |
|  | 1,622 | 1,622 |  |  |

(a) The references given are to the 1 ist of industries at the front of this report.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968 Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 | 1968 |
| :---: | :---: | :---: |
|  | Value | Value |
|  | £'000 | £'000 |
| Permanent magnets and other metal manufactures Metal working machine tools | 584 | 47 |
|  |  |  |
| New |  |  |
| Complete | 3,075 | 2,834 |
| Parts | 176 | 76 |
| 0 ther (non-electric) machinery, complete and parts | 1,353 | 1,021 |
| Mechanical engineering products | 499 | 691 |
| Scientific, surgical and photographic instruments, etc | 226 | 662 |
| Electrical machinery, complete and parts | 372 | 636 |
| Tools and implements, other than engineers' small tools and gauges | 1,196 | 2,394 |
| Cutlery | 181 | 318 |
| Miscellaneous metal goods | 547 | 365 |
| Parts and accessories of motor vehicles and aircraft | 172 | 837 |
| Other products | 1,036 | 1,926 |
| Services rendered to other organisations (a) | 315 | 964 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | 6,104 | 8,180 |
| Canteen takings | 266 | 325 |
| Total | 16,101 | 21,276 |

[^0]TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968 Establishments employing 25 or more persons
Analysis of returns received, United Kingdon

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
| Materials for use in production | Th. tons | £'000 | Th. tons | £ ${ }^{\prime} 000$ |
| Iron castings | 5.2 | $\begin{array}{r} 537 \\ 81 \end{array}$ | 7.6 | $\begin{aligned} & 816 \\ & 187 \end{aligned}$ |
| Steel |  |  |  |  |
| Ingots, blooms, billets, slabs, and sheet and tinplate bars | 2.1 | 233 238 | 5.1 | 1,451 330 |
| Bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and squares | 18.7 | 3,455 1,906 | 28.5 | 7,422 933 |
| Plates, 3 mm . thick and over | 4.0 | 270 58 | 7.2 | 852 171 |
| Sheets under 3 mm . thick (including electrical sheets) | 2.5 | $\begin{aligned} & 660 \\ & 153 \end{aligned}$ | .. | 1,082 |
| Hoop and strip (including tape of all thicknesses) | 1.4 | 143 613 | 2.3 | 452 |
| Forgings (except drop forgings) | 1.1 | 263 37 | 1.8 | 454 |
| Castings | 0.7 | 136 35 | 1.2 | 278 49 |
| Drop forgings | 3.2 | 675 \{ | 1.0 | 212 71 |
| Iron and steel not elsewhere specified except finished parts, wire and scrap | 1.1 | $\begin{aligned} & 207 \\ & 162 \end{aligned}$ | 4.3 | $\begin{aligned} & 801 \\ & 135 \end{aligned}$ |
| Steel wire and wire manufactures, including wire cables and ropes, but excluding insulated wires and cables (a) | . | 82 | .. | 260 |
| Light metals and non-ferrous metals in all forms except finished parts, wire and scrap |  |  |  |  |
| Aluminium and aluminium alloys | 0.3 | 129 43 | 0.6 | 295 83 |
| Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other nickel alloys and cadmium copper) (b) | 0.3 | 128 | 0.2 | 106 103 |
| Copper (including cadmium copper) (c) | .. | 11 | . | 63 |
| Non-ferrous metal wire (single wire, not insulated) |  |  | .. | 7 |
| Insulated wires, cables, strips and strands |  |  | . | 36 |
| Bolts, rivets, nuts and washers, screws, nails, tacks, etc | .. | 175 | .. | 340 |
| Paint and varnish (including lacquers and stains) |  | 41 \{ | 33.7 | 48 13 |
| Manufactures wholly or mainly of rubber (including synthetic rubber), balata and gutta-percha, including sheeting and finished components but excluding replacement parts for firms' own machinery, plant, vehicles, etc (d) |  | 7 |  | 25 |
| Hardwood, sawn or planed, but not further prepared or manufactured | $\begin{gathered} \text { Th.cu.ft. } \\ 11.9 \end{gathered}$ | 7 8 | Th.cu.ft. 11.1 | 19 4 |

TABLE 10 (continued)


TABLE 10 (continued)

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
| Fuel and electricity (continued) | Th.therms | £ 000 | Th. the rms | £'000 |
| Gas | 6,048 | $\begin{gathered} 391 \\ 84 \end{gathered}$ | 1,848 | $\begin{aligned} & 165 \\ & 348 \end{aligned}$ |
|  | Th. k Wh |  | Th.kwh |  |
| Electricity | 118, 055 | 748 | 93, 327 | 838 |
| All other fuels |  |  |  | 118 |
| Total cost of materials and fuel |  | 22,441 |  | 35, 389 |
| Goods purchased for merchanting |  | 5,131 |  | 6,858 |
| Canteen purchases |  | 334 |  | 401 |
| Total cost of purchases |  | 27,905 |  | 42,649 |

(a) For 1963 described as 'Single steel wire (excluding insulated wires and cables)'.
(b) Cadmium copper was not specifically excluded for 1963.
(c) For 1963 cadmium copper was not specifically included but blister was excluded
(d) For 1963 described as 'Rubber, including hard rubber, balata, gutta-percha and synthetic
rubber in all forms, including finished parts,
(e) Not recorded separately for 1963.
(f) The total quantity of electricity generated in establishments employing 25 or more persons
f) The total quantity of electricity generated in establishments employing 2
in this industry in 1963 was 2,083 Th.kWh. None was recorded for 1968 .

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968
Establ ishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | Unit | 1963 | 1968 |
| :---: | :---: | :---: | :---: |
| Average number mainly employed on transport | No. | 309 | 378 |
| Transport costs |  |  |  |
| Wages and salaries | £'000 | 228 | 400 |
| Derv fuel and motor spirit | " | 168 | 276 |
| Tyres and other spare parts for road goods vehicles | " |  | 46 |
| Payments to other organisations for transport $\quad\left\{\begin{array}{l}\text { by road } \\ \text { by rail and other } \\ \text { means excluding } \\ \text { postal services }\end{array}\right.$ | " | $\} 422$ | 452 224 |
| Costs of operating road goods vehicles |  |  |  |
| Insurance | " | 20 | 34 |
| Vehicle licences | " | 13 | 31 |
| Depreciation | " | 98 | 149 |
| Payments to other organisations for repairs and maintenance | " | 61 | 91 |
| Total | " | 1,010(a) | 1,703 |

[^1]TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

|  | Amounts payable |  |
| :--- | ---: | ---: |
| Repairs and maintenance to | 1963 | 1968 |
| Buildings | $£^{\prime} 000$ | $£^{\prime} 000$ |
| Road goods vehicles | 214 | 328 |
| Plant, machinery and other capital equipment | 61 | 91 |
| Insurance, licensing and depreciation of road goods | 497 | 905 |
| vehicles (b) | 131 | 214 |
| Rates, excluding water rates | 625 | 1,083 |
| Hire of plant and machinery | 119 | 226 |
| Postage, telephone, telegrams, cables and telex (c) | 523 | 824 |

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.
(b) For details see Table 11 .
(c) Excluding Telex for 1963.

TABLE 13 Percentage analysis of twelve-month
periods covered by returns from larger
establishments, 1968
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| Year ended | Percentage <br> of total returns <br> received | Percentage <br> oftotal number <br> employed <br> April (a) <br> May Per cent. |
| :--- | :---: | :---: |
| June | 2.6 | Per cent. |
| July | 2.6 | 1.6 |
| August | 5.6 | 3.9 |
| September | 3.0 | 5.2 |
| 0ctober | 4.5 | 3.6 |
| November | 8.8 | 3.7 |
| December | 4.5 | 9.7 |
| 1969 | 34.3 | 5.3 |
| January | 2.4 | 4.1 |
| February | 2.4 | 1.8 |
| March | 22.5 | 0.9 |
| April (b) | 3.0 | 26.1 |
|  | 100 | 2.4 |

(a) From 6 April.
(b) To 5 April.


[^0]:    (a) Amounts charged for hiring out plant, machinery or other goods, for providing
    transport, or for technical or other services rendered to other organisations

[^1]:    (a) Excluding tyres and other spare parts for road goods vehicles, not
    collected separately for 1963 .

