


## Report on the Census of Production 1968

These notes give the main information ded for interpreting the Census figures More detailed information about the Census given in a separate booklet - 'Description
the Census': Part I of the Report on the sus of Production for 1968

OF THE 1968 CBSUS WITH 1963

The Census for 1968 was taken within the amework of the Standard Industrial Classi
(Revised 1968) and covered all industries lised 1968) and covered al industries engaged in manufacturing mining and quarrying, construction, and gas, electr and quarrying, construction, and gas, el ectr
city and water supply. As a result of the evision to the Standard Industrial Classification there have been changes compared with 1963 in the definitions of individual istries (details of which are given in the ate parts of the Report relating to
and their allocation to Orders of then ard Industrial Classification. Details now given for some industries (in particular in the chemical and engineering sectors ch have not been separately distinguished
while for the production of perambuators, hand trucks, etc for which are now mainly included in the Peport on the
, Cames, etc Industry
The number of separate industry reports
increased from 128 in the 1963 Census to for the 1968 Census. Apart from the inin the number of industries identified Ind 1968 Census the revision of the Stand nges in the scope of the Census and the ollowing activities, which were out of scope the 1963 Census are included in the Census 1968. The minimum list heading to whic
is classified is shown in brackets.
eat cutting and digging
eat treatment of milk
offee blending, grinding
and roasting
ea blending
acquard card cutting and
designing
eparation of oven ready
pultry at packin stady
(215/1)
(229/2)
(229/2)
poultry at packing stations (214/2)
gricultural machinery repairing; boiler and of areaking; and the sorting and clean ing of woollen and worsted hair rags which in scope of the 1963 Census were exch 1968.

The rules used in classifying establish ts to industries and to sub-divisions of ustries were slightly changed for 1968. the rule by which in 1963 the classi ation of an establishment was only cha f the pattern of its output had altered considerably between two consecutive censuses number of changes which had limited appli-
on were al so made the
the treatment given to parts of machines, principal products of the mechanical engineer ng group of industries 5. Ano ther change concerned the exemption
from the requirement to complete a detailed return. In this Census exemption applied to censuses to the firm. This meant that a firm with more than one establishment employing fewer than 25 persons at each, but with 25 or more persons in total, was exempted for 968 from completing a detailed return (ex ept in industries in which short forms we used - see paragraph 19). In previous ensuses such a firm would have been required o provide a combined detailed return covering all establishments. 6. 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 not asked for 1968. Instead information was btained from the Department of Employmen upon which estimates could be based.
7. The method of collection of information on small establishments al so differed bet ween the 1963 and 1968 Censuses in selected industsmall establish ents was approached to give detailed infor nation on their businesses, the remainder eing required to provide simply a statement number of persons employed. For the 1968 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) w
information
8. Additional information about payments for
 business expenses and receipts This was in espect of payments for advertising, market research, professional services, royaltie etc and commercial insurance premiums Receipts from royalties, etc were also collect din the supplementary inquiry. Similar dat except for that relating to professional tion is incorporated with Census data in Summary Tables 4 and 5 in Part 156.
9. For the purpose of this Report the 1963 returns for larger establi shments have been reclassified to bring them into line with the tandard Industrial Classification (Revised 1968) wherever possible, but because of the ature of the questions asked in the 1963 Census it was not al ways possible to do so and exact. It was more difficult to reclassify the 1963 forms for small establishments because of the absence of sales data and in
of returns from larger establishments wa taken as a guide. Nevertheless the figures for 1963 in with those for 1968 , except for some industries where new activ ties have been included or where significant changes 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 THE 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 for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated fro
figures relating to the last week of each 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 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 establishment making the return) are engaged in merchanting and factoring and canteen workers where particulars of thes activities could not be excluded from the eturn.

## Working proprietors

These include all persons regarded as 'selfemployed' for National Insurance purposes and nembers 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 or working hours are but not in receipt of a definite wage, salary or commission are included under this heading but directors paid by fee only are excluded Employees
(i) Administrative, technical and clerical employees include managing and other directors in receipt of a definite wage, salary or works foremen; research, experimental, development, technical and design employees other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising works office) employees. (ii) Operatives cover all other classes of manual wage earners. They include those employed in or about the factory or work in power houses, transport work, stores ware houses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; cleaners. Operatives engaged in
also included, but outworkers are excluded. Information about the numbers of outworkers employed was collected only for the Gloves Industry
Capital expenditure
(i) New building work

This represents the cost incurred during the year of new building and other new construct ional work (including office buildings, canteens and the like used in connection wit the business covered by the return, but not is that charged to capital account during th year of return; it includes expenditure on new buildings or on the extension and re-con struction of old buildings, the value of work of a capital nature carried out by the est ewly constructed buildings purchased. igures shown include any legal charges, stan duties, agents' commissions, etc
(ii) Land and existing buildings

The items shown are the capital cost of free holds purchased and the capital cost or cluding the value of any assets acquired in aking over an existing business), and the mounts receivable for any freeholds or olds disposed of. The value is that charg to capital account during the year of retur (iii) Plant, machinery and vehicles

The items shown are the value of plant and achinery and of vehicles acquired, both ne and second-hand, and the amount received for of plant and machinery acquired includes plant,' etc which firms produced for their use in connection with the business covered by the return. The value of plant, et acquired is the expenditure charged to capit account during the year of return less any
discounts received, but including the cost ransport and installation. No deduction made for depreciation, amortisation or obso 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 excluded from the figures for both 1963 and 1968.

Combined returns
11. A combined return is one which covers two or more establishments in the same cens industry and in the same country (England,
Scotland or Wales); the number of operati employed in each of the establ ishments cove by the return was required to be given. Enterprise
12. The term enterprise is used in this Report to mean one or more establishments under common ownership or control. An ent than one establishment owned by the same $f$
or a number of establishments owned by a parent company and its subsidiary companies Information about ties of enterprises was obtained mainly from published sources, such as the Stock Exchange Year Book, supplemented by information from company reports and information supplied by establishments. The information available is not complete, but covers the largest and most important groups
of industrial establishments and is believed sufficient to provide a worthwhile basis for analysis.

## Establ ishment

13. For the 1968 Census an establishment is defined in accordance with the Standard Industrial Classification (Revised 1968) as being the smallest unit which can provide information turnover, capital formation. Establishments were asked to exclude from all sections of their returns particulars relating to any department not engaged in prod Where for whic eparate recore not kept, returns included details of merchanting or factoring, and other ancillary activities such as bottling, packing and manufacture of containers for packing their own products, whether or not these activities wo burried on at the same addre as the works, building and engineering main operation of canteens
Larger establishments are establishments in wich 25 or more persons were employed on
average during the year
small establishments are establishments in which fewer than 25 persons were employed on average during the year

Gross output
14. The gross output of an industry is the aggregate value of goods made and other work done dur ing the year by establishments classi-
fied to the industry. It is derived by subfied to the industry. It is derived by sub tracting from the value of sales and work
done, the value of stocks of goods on hand for sale and work in progress at the beginning of the year and adding the value at the end of the year.
Net output
15. The net output of an industry represents the value added to the materials by th 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, rates and taxes, advertising and other sell ing expenses and all other similar charges
have to be met, as well as depreciation and profits. There is no appreciable duplication involved in adding together the net output of several establishments
et output has been obtained by deducting from gross output (see paragraph 14) the cost of for work given out toother establishments and payments for transport.
Normally any customs duty or excise duty on oterials purchased is included in the cost
of materials. Similarly, finished goods sold ave 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 the industry, were required to be stated separately, and these items were taken
account when calculating net output.
Net output per person employed
16. The figures for net output per person employed are derived by dividing the net output by the average number of persons employed (full-time and part-time) on all activities covered by the returns, including operatives dministrativ, technical a cors but mployees and working proprietors, but xcluding outworkers

## Purchases

17. Purchases include the cost of materials and components bought for use in production, of fuel and electricity for all purposes; of packaging materials, including the full cost purchased; of workshop materials, office materials and materials for repairs to establishment's own buildings, plants and vehicles when carried out by their own work people ncluded in the returns, of and parts for machinery purchased during the year of return are also included. In general purchases of goods for merchanting or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded, as are all purchases charged o capital account
The values shown include any duty paid (less rebate, etc) but exclude trade discounts only if included in the cost of materials as invoiced; amounts paid to transport organi sations, including an establishment's own separate transport organisation, for delivery of materials and fuels are, therefore, excluded. Materials purchased overseas are included at their c.i.f cost plus any dut
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 transferred from another department of the establishment not covered by the same return 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 commis sion) and waste products. Any machinery or other capital items produced for use by the business covered by the return are included, he value being that adopted in the establi ing asset accounts. Gofacturing proces merchanted or factored) and canteen takings are included.
The value shown for sales is the net selling value, defined as the amount charged to ustomers whether on an ex-works or delivered basis, excluding any trade discounts, agents ommissions, allowance for returnable cases, purchase tax etc; the net amount charged for packaging materials is included. Goods charged on a delivered basis to customers
overseas are included at the f.o.b. value

Goods produced in one establishment and trans erred to another establishment of the same firm not covered by the return were treated valued as far as possible as if they had bee sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate account were kept were valued on the same basis. To the extent that sales of finished products of one establishment constitute the materials purchased by another, total figures of the alue of sales (and of materials and fuel pur chased) include an element of duplication Short form
19. This term is used to mean the simplified version of the full census forms sent to smal establishments in industries where small 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 enterprises are classified are derlasification (Revised 1968).
Stocks and work in progress
21. Values are given of stocks of goods on hand for sale, and of materials and fuel, the beginning and end of year of retur merchanting or factoring. The values includ 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 excludes any progress payments made to sub-contractors, and no payments received. Separate detail is,
owever, given for pagess payments received by manufacturers in industries producing capital items. In practice, figures of stocks and work in progress normal y show the end of year value and the chane plus or minus,

Transport payments
22. These represent the total amount paid or credited during the year for both outward ransport of finished goods sold and inwards ransport of materials and fuel purchased. They include payments to other establishments, nd to any separate transport osganisation of the same establishment not covered by the services provided by the business covered by the return. The items included are the payments for hired cartage and for inwards and putwards carriage by all forms of inland transport, ie railways, road haulage, canals, coast-wise shipping, air, etc. Payments made seas customers and on materials and fuel purchased from overseas suppliers are excluded.
Wages and salaries
23. These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments made to working proprietors, whether calues shown include all overtime payments, bonuse and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc and employ pensions schemes is excluded.
Symbols used
24. The following symbols are used throughout the report:
not available

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

25. The figures in the tables have, where necessary, been rounded to the nearest final cies between the sums of the constituent ite and the totals shown

## ST OF INDUSTRY REPORTS, ETC

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

[^0]Part
No.

Description of the Census
MINING AND QUARRYING
Coal mining
*Stone and slate quarrying and mining
*Chalk, clay, sand and gravel extraction
Petroleum and natural gas, salt and miscellaneous non-metalliferous mining and quarrying

FOOD, DRINK AND TOBACCO

Bread and flour confectioner
Biscuits
Bacon curing, meat and fish products
Milk and milk products
Sugar
Cocoa, chocolate and sugar confectionery
Fruit and vegetable product
Vegetable and animal oils and fat
Margarine
Starch and miscellaneous foods
Brewing and malting
Spirit distilling and compounding
British wines, cider and perry
Tobacco
COAL AND PETROLEUM PRODUCTS
Coke ovens and manufactured fue
Mineral oil refining

CHEMICALS AND ALLIED INDUSTRIES
General chemicals (inorganic
General chemicals (organic)
chemical (other than inorganic and organic)
Pharmaceutical chemicals and preparations
Toilet preparations
Soap and detergents
Synthetic resins and plastics materials and synthetic rubbe
Dyestuffs and pigment
Fertilizer
Polishe
Formulated adhesives, gelatine, etc
Explosives, fireworks and matches
Formulated pesticides and disinfectants
Printing ink
Surgical bandages, et
Photographic chemical materials

METAL GOODS NOT ELSEWHERE SPECIFIED

$$
\begin{aligned}
& \text { Iron and steel (general) } \\
& \text { Steel tubes } \\
& \text { Iron castings, etc } \\
& \text { Aluminium and aluminium alloys } \\
& \text { Copper, brass and other copper alloys } \\
& \text { Miscellaneous base metals }
\end{aligned}
$$

```
87 Engineers' small tools and gauges
*Hand tools and implements
    Cutlery, spoons, forks and plated tableware, etc
    Bolts, nuts, screws, rivets, etc
    Wire and wire manufactures
Cans and metal boxes
#Jewellery and precious metals
    Drop furniture
    Metal hollow-ware
    Miscellaneous metal goods
```

TEXTILES
Production of man-made fibres
Spinning and doubling on the cotton and flax systems
Spinning and doubling on the cotton and flax
Weaving of cotton, linen and man-made fibres
Woollen and worsted
Jute
Rope, twine and net
Hosiery and other knitted goods
*Lace
Carpets
Narrow fabrics
Made-up household textiles and handkerchiefs
*Canvas goods and sacks, etc
Textile finishing
Asbestos
*Miscellaneous textiles

Leather (tanning and dressing) and fellmongery *Leather goods

CLOTHING AND F00TWEAR
116 Weatherproof outerwear
118 Men's and boys' tailored outerwear
119 Nomen's and girls' tailored outerwear
Overalls and men's shirts, underwear, etc
*Dresses, lingerie, infants' wear, et
*Hats, caps and millinery
Corsets and miscellaneous dress industries Gloves
Footwear

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

Furniture and upholstery
*Bedding and soft furnishings

* Shop and office fittings
*Miscellaneous wood and cork manufactures
PAPER, PRINTING AND PUBLISHING
Paper and board
Cardboard boxes, cartons and fibre-board packing cases Packaging products of paper and associated materials (other than board) Manufactured stationery
Miscellaneous manufactures of paper and board
Printing, publishing of newspapers and periodicals

OTHER MANUFACTURING INDUSTRIES
Rubber
Linoleum, plastics floor covering, leathercloth, etc
*Brushes and brooms
Toys, games, childrens' carriages and sports equipment Miscell laneous stationers' goods
Plastics products

$$
\begin{aligned}
& \text { goods } \\
& \text { g inductries }
\end{aligned}
$$

CONSTRUCTION
0RDER XX
*Construction
gAS, ELECTRICITY AND WATER
ORDER XXI

$$
\begin{aligned}
& \text { Gas } \\
& \text { Electricity } \\
& \text { Water sunol }
\end{aligned}
$$

$$
\begin{aligned}
& 601 \\
& 602
\end{aligned}
$$ 602

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Directory of Businesses:
Vehicles
Directory of Businesses Directory of Businesses Directory of Businesses: Footwear
Directory of Businesses
Furniture, etc
Directory of Businesses
Directory of Businesses
ining and Quarrying; Construction;
Food, Drink and Tobacco
Coal and Petroleum Products. Chemicals and
Metal Manufacture
Mechanical Engineering Instrument Engineering Shipbuilding and Marine Engineering; Metal Goods Not Elsewhere Specified Textiles Leather Goods and Fur; Clothing and Brick, Pottery Glass, Cement, etc; Timber, Paper Printing and Publishing Paper, Printing and Publishing
Other Manufacturing Industries

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United Kingdom (a) (b)

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(c) Including services rendered to other organisations (amounts charged for hiring out plant
machinery or other goods, for providing transport, or for technical or other services
rendered).
rendered)
(d) Including operatives employed in the quarries or clay pits which were associated with
(e) Administrative, technical and clerical employees.
(f) Excluding expenditure for establishments not yet in production
(g) Acquisitions less disposals.

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13 Percentage analysis of twelve-month periods covered by returns from larger est abl i shment s , 1968

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

All establishments: United Kingdom

| Number employed on average during the year by the (a) establi shment (a) | $\begin{aligned} & \text { Est ab- } \\ & 1 \text { i sh- } \\ & \text { men't } \end{aligned}$ | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \\ & \text { (b) } \end{aligned}$ | Total number employed on aver age during the year (a) | Gross output | Net output | Net output per head |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | £’000 | $£^{\prime} 000$ | £ |
| 1-5 | 42 | 40 | 128 | .. | .. |  |
| 6-10 | 54 | 51 | 459 | . | . | . |
| 11-24 | 183 | 148 | 3,499 | - | .. | . |
| 25-49 | 208 | 117 | 7,777 | 21,758 | 11,826 | 1,521 |
| 50-99 | 169 | 82 | 11,657 | 38,094 | 20,920 | 1,795 |
| 100-199 | 78 | 50 | 10,822 | 36,053 | 19,402 | 1,793 |
| 200-299 | 30 | 23 | 7,155 | 21, 259 | 12,499 | 1,747 |
| 300-399 | 15 | 11 | 5,275 | 19, 251 | 10,709 | 2,030 |
| 400-749 | 6 | 4 | 3,005 | 9,662 | 5,002 | 1,664 |
| 750 and over | 6 | 3 | 7,863 | 25,903 | 15,144 | 1,926 |
| Unsatisfactory returns | 33 | 31 | 617 | .. | .. | .. |
| Total | 824 | 423 | 58,257 | 186,817(c) | 103,744(c) | 1,781(c) |

(ii) Enployees, wages and sal aries

All establishments: United Kingdom

| Number employed on year by the est abl i shment (a) | Employees |  | Wages and salaries |  | Wages and sal aries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Operatives | $\begin{aligned} & \text { Others } \\ & \text { (d) } \end{aligned}$ | Operatives | 0 thers <br> (d) | Oper- atives | 0 thers <br> (d) |
|  | Number | Number | £’000 | £'000 | £ | £ |
| 1-5 | .. | .. | . | . | . | .. |
| 6-10 | . | . | .. | . | . | . |
| 11-24 | . | .. | .. | .. | .. | . |
| 25-49 | 6,808 | 927 | 6,382 | 1,147 | 937 | 1,237 |
| 50-99 | 10,116 | 1,511 | 9,955 | 1,861 | 984 | 1,232 |
| 100-199 | 9,166 | 1,650 | 9,272 | 2,078 | 1,012 | 1,259 |
| 200-299 | 5,956 | 1,192 | 5,676 | 1,397 | 953 | 1,172 |
| 300-399 | 4,187 | 1,085 | 4,445 | 1,424 | 1,062 | 1,312 |
| 400-749 | 2,499 | 506 | 2,352 | 597 | 941 | 1,179 |
| 750 and over | 6,640 | 1,223 | 7,409 | 1,604 | 1,116 | 1,312 |
| Unsatisfactory returns | .. |  | . | . | . | .. |
| Total | 49, 204(c) | 8,778(c) | 49, 292(c) | 10,973(c) | 1,002(c) | 1,250(c) |

(a) Including working proprietors.
(b) The sum of the figures for the size groups exceeds the total for the industry to the extent
size group.
(c) Including estimates for establi ishments employing fewer than 25 persons and for
(d) Adninistrative, technical and clerical employees.

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

| Ages | Mal es | Fenales | All employees |
| :--- | :---: | :---: | :---: |
| Under 18 18 <br> 18 and over | Per cent. | Per cent. | Per cent. |
|  | 4 | 1 | 5 |
|  | 96 | 9 | 95 |
| Source: Department of Employment |  |  |  |

(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 assification, (Revised 1968).

Footnotes to Table 4.
(a) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These
amounted to 32 establishments in 1968 and 64 in 1963 .
(b) The method of classifying returns to sub-divisions of the 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 made
returns for more than one sub-division.
(d) Including services rendered to other organisations (amounts for providing transport, or for technical or other goods, rendered)
and work done for the general public by larger establis and work done for, the general public by larger establish-
ments are included. These amounted to $£ 235000$ in 1968 . Similar information is not available for 1963 .
(f) Characteristic products relate only to sub-divisions of the industry.
(g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods
produced and work done. For the industry as a whole thi is the ratio of total sales of principle products by the industry to total sales of goods produced and work done.
(h) Including 1,767 operatives in 1968 and 2,761 in 1963 employed in the quarries or clay pits which were associated
with the brick with the brick works.
(i) Administrative, technical and clerical employees.
(j) Excluding expenditure for establishments not yet in production.

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

|  | Unit | Sub-divisions of the industry (b) |  |  |  | Sub-divisions of the industry (b) |  |  |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Ref ractory } \\ \text { goods } \\ 10 \\ \hline \end{gathered}$ |  | Building bricks(including flooringand wall partitionblocks)21 |  | Sanitary ware (other than cement, concrete or earthenware) 22 |  | 0 ther 23 |  |  |  |
|  |  | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 |
| Number of enterprises (c) | No. | 63 | 44 | 179 | 109 | 60 | 35 | 32 | 28 | 312 | 201 |
| Number of establishments |  | 130 | 111 | 433 | 324 | 81 | 72 | 51 | 37 | 695 | 544 |
| Gross output | $£^{\prime} 000$ | 40,636 | 61,220 | 69,839 | 77,462 | 17,237 | 21,112 | 9,802 | 13,509 | 137,514 | 173,304 |
| Net output | " | 19,035 | 28,462 | 44,253 | 48,350 | 10,046 | 12,160 | 5,900 | 7, 268 | 79,233 | 96, 240 |
| Net output per head | £ | 1,407 | 2,039 | 1,254 | 1,725 | 1,135 | 1,579 | 1,211 | 1,671 | 1,267 | 1,781 |
|  | $£^{\prime} 000$ | 39,666 | 58,407 | 70,302 | 74,919 | 15,643 | 18,997 | 8,586 | 10,694 | 134,197 | 163,017 |
| Sales and work done $\{$ merchanted goods and canteen takings | " | 967 | 3, 105 | 855 | 659 | 1,740 | 1,771 | 1,142 | 2,633 | 4,703 | 8,167 |
| Sales of characteristic products | " | 37,510 | 54,211 | 67,039 | 71,588 | 12,920 | 16,517 | 6,708 | 7,540 | (f) | (f) |
| Index of specialisation (g) | $\begin{gathered} \text { Per } \\ \text { cent. } \end{gathered}$ | 95 | 93 | 95 | 96 | 83 | 87 | 78 | 71 | 98 | 98 |
| $\text { Purchases } \quad\left\{\begin{array}{l} \text { materials for use in production and } \\ \text { packaging, and fuel } \\ \text { pare } \end{array}\right.$ | £'000 | 17,823 | 26,382 | 15,502 | 18,560 | 4,664 | 6,071 | 2,407 | 3,120 | 40,396 | 54, 132 |
| goods for merchanting and canteen purchases | " | 874 | 2,725 | 773 | 578 | 1,594 | 1,590 | 1,012 | 2,312 | 4,253 | 7, 205 |
| $\int$ for work done on materials given out | " | 41 | 96 | 51 | 59 | 131 | 61 | 44 | 9 | 267 | 225 |
| Payments to other organisations $\quad\left\{\begin{array}{l}\text { for transport } \\ \text { by road } \\ \text { by rail and other means excluding } \\ \text { postal services }\end{array}\right.$ |  | $\} 2,752\{$ | $\begin{array}{r} 3,087 \\ 454 \end{array}$ | 9, 250 | 10,067 | 834 | 1,184 | 481 | 642 11 | $\} 13,316\{$ | 14,324 1,121 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { Goods on hand } \\ & \text { for sale } \end{aligned}\left\{\begin{array}{l} \text { change during year } \\ \text { at end of year } \end{array}\right.$ | " | $\begin{array}{r} 44 \\ -\quad 3,855 \end{array}$ | $\begin{array}{r} 415 \\ 4,976 \end{array}$ | $\begin{array}{r} -1,239 \\ 2,349 \end{array}$ | $\begin{array}{r} +1,860 \\ 4,943 \end{array}$ | 69 $-\quad 1,931$ | $+\quad 328$ 2,014 |  | $+\quad 208$ 1,059 | $-\quad 1,271$ 9,053 | $+\quad 1,981$ 12,992 |
| change during year | " | + 48 | + 123 |  | + 24 | 1,931 | 2,014 | 919 | 1,059 | 9,053 | 12,992 |
| Work in progress $\left\{\begin{array}{l}\text { at end of year }\end{array}\right.$ |  | 782 | 1,239 | - 1,188 | 24 1,259 | 198 $-\quad 399$ | $+\quad 17$ +306 | - 7 | - 25 | - 115 | + 139 |
| Materials, stores $\{$ change during year | " | - 113 | - 14 | - 11 | + 152 | + 33 | - 46 |  | 162 $-\quad 147$ | 2,557 $-\quad 49$ | 2,966 $-\quad 57$ |
| and fuel ${ }^{\text {at }}$ at end of year | " | 5,473 | 6,307 | 2,134 | 2,414 | 733 | 46 $-\quad 713$ | 41 198 | 147 $-\quad 137$ | 49 $-\quad 8,538$ | $\begin{array}{r} 57 \\ -\quad 9,570 \end{array}$ |
| Number employed $\quad$ total, including working proprietors | No. | 13,525 | 13,956 | 35, 291 | 28,037 | 8,849 | 7,700 | 4,871 | 4,350 | 62,536 | 54,043 |
| Nomber emerape during the year $\quad\left\{\begin{array}{l}\text { operatives ( } h \text { ) }\end{array}\right.$ | " | 10,871 | 10,823 | 31,554 | 24,696 | 7,580 | 6,593 | 4,266 | 3,674 | 54,271 | $45,786$ |
| during the year other employees (i) | " | 2,633 | 3,119 | 3,689 | 3,303 | 1,255 | 1,088 | + 590 | -654 | 54,271 8,167 | $\begin{array}{r} 45,786 \\ 8,168 \end{array}$ |
| Wages and salaries $\{$ of operatives | £'000 | 7,748 | 10,277 | 24,079 | 25,875 | 5,327 | 6,484 | 3,005 | 3,231 | 40,159 | 45,868 |
| Wages and salaries $\{$ of other employees (i) | " | 2,553 | 4,035 | 3,457 | 4,108 | 1,113 | 1,214 | 593 | 853 | 7,715 | 10,210 |
| $\begin{aligned} & \text { Wages and salaries } \\ & \text { per head } \end{aligned}\left\{\begin{array}{l} \text { operatives } \\ \text { other employees (i) } \end{array}\right.$ | ${ }_{\sim}^{1}$ | 713 970 | $\begin{array}{r}950 \\ \hline\end{array}$ | 763 | 1,048 | 703 | 984 | 704 | 879 | $\begin{array}{r}740 \\ \hline\end{array}$ | 1,2002 |
|  |  |  |  |  |  | 887 | 1,116 | 1,004 | 1,297 | 945 | 1,250 |
| New building work$\begin{aligned} & \text { Land and existing } \\ & \text { buildings } \end{aligned}\left\{\begin{array}{l} \text { acquisitions } \\ \text { disposals } \end{array}\right.$ | $£^{\prime} 000$ | 316 | 930 | 1,241 | 1,358 | 310 | 345 | 92 | 156 |  | 2,788 |
|  | " | 23 | 50 | 95 | 91 | 14 |  |  | 8 |  |  |
|  | " | 64 | 237 | 118 | 317 |  | 32 |  |  | 156 | 153 |
| $\begin{array}{ll}\begin{array}{l}\text { Plant and } \\ \text { machinery }\end{array} & \left\{\begin{array}{l}\text { acquisitions } \\ \text { disposals }\end{array}\right. \\ \text { Vehicles }\end{array}$ | " |  |  |  |  | 510 | 1,062 | 41 | 27 | 274 | 614 |
|  | ${ }^{\prime}$ | 1,52 | 2,618 81 | 2,896 89 | 4,643 99 |  |  | 343 | 535 | 5,269 | 8,857 |
|  | " | 174 |  |  |  | 12 | 17 | 15 | 45 | 177 | 241 |
|  |  |  |  |  |  | $\begin{array}{r} 125 \\ 40 \end{array}$ | 178 | 92 | 127 | 877 | 1,026 |
|  |  |  |  |  |  |  | 67 | 40 | 67 | 198 | 327 |

For notes to this table - see page $125 / 5$.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968 (a) Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom


TABLE 5 (continued)

|  |  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Value | Quantity | Value | Enter- prises | Entries |
| 21 | Bricks, building, of clay, brickearth, shale or marl (continued) 0 ther than perforated | Millions | £'000 | Millions | £'000 | Number | Number |
|  | Common | 4,035 | 30,474 | 3,054 | 25,405 | 91 | 161 |
|  | Facing | 2, 367 | 31,087 | 2,095 | 30,030 | 72 | 132 |
|  | Engineering | 266 | 4,167 | 289 | 5,163 | 41 | 64 |
|  | All other building bricks (including glazed or enamelled bricks, V.5. (through the wall) type bricks, but excluding sandlime and concrete bricks) | 56.3 | 751 | . | 715 | 10 | 12 |
| 21$23$ | Total building bricks <br> Cl ay and terra-cotta flooring and wall partition blocks | 6,770 | 67,089 \{ | 6,219 | 72, 214 |  |  |
|  |  | .. | 1,077 | .. | 594 | * | * |
|  | Tiles (other than of pre-cast concrete) |  |  | Th. sq.yds. |  |  |  |
| 23 |  |  |  |  |  |  |  |
|  | Plain and single lap |  | 1,757 | 1,572 | 1,115 | 13 | 15 |
|  | valleys, etc | . | 259 | .. | 179 | 15 | 16 |
|  | Floor quarries and street paving tiles |  | 1,058 | 1,866 | 1,695 | 11 | 12 |
|  | All other tiles (d) | . | 245 | 128 | 132 | 5 | 5 |
|  | Total tiles (other than tessellated pavement tiles and mosaics, glazed wall and fireplace tiles of all kinds and unglazed earthenware (biscuit) tiles) | .. | 3,319 \{ | 3,566 | $\begin{array}{r}2,943 \\ 179 \\ \hline\end{array}$ |  |  |
|  | Agricultural drainpipes of clay, unglazed | Th. tons |  | Th.tons |  |  |  |
|  |  | 165 | 1,208 | 236 | 1,873 | 26 | 31 |
| 22 | Sanitary ware <br> Drain pipes, angles, bends, elbows and traps (except pre concrete) |  |  |  |  |  |  |
|  |  | 635 | 12,134 | 655 | $\begin{array}{r} 14,614 \\ 1,837 \end{array}$ | $\} 36$ | 61 |
|  | 0ther sanitary ware <br> Of fireclay, glazed or enamelled Wash basins |  |  |  |  |  |  |
|  |  | 1.6 | 288 | .. | 65 | * | 6 |
|  | Sinks | 18.5 | 1,398 | .. | 983 | * | 6 |
|  | W.C. pans | 2.5 | 290 | 2.1 | 414 | 5 | 6 |
|  | 0 ther | 13.5 | 1,425 | . | 1,330 | 6 | 9 |
|  | Total sanitary ware (other than cement, concrete or earthenware) | 672 | 15,535 \{ | 657 | $\begin{array}{r} 15,027 \\ 4,215 \end{array}$ |  | .. |


| $\begin{aligned} & \text { Industry } \\ & \text { sub- } \\ & \text { division } \\ & \text { (b) } \\ & \hline \end{aligned}$ |  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Value | Quantity | Value | Enterprises | Entries |
|  |  | Th. tons | £ 000 | Th.tons | £'000 | Number | Number |
| 23 | Pipes and tubes of stoneware or fireclay for electrical and other purposes (excluding sanitary ware) | 219 | 4,127 | 273 | 5,588 | 10 | 14 |
|  |  | Th.cwt. |  | Th. cwt. |  |  |  |
| 23 | Flower pots, unglazed | 312 | 447 | .. | 168 | * | * |
|  | Chimney pots | 270 | 406 | 226 | $\begin{array}{r} 429 \\ 56 \end{array}$ | 14 | 17 |
|  | 0 ther products (including architectural terra-cotta and faience, glazed or unglazed) | .. | 855 | . | 665 | 25 | 33 |
|  | Waste products | $\cdots$ | 321 | .. | 277 | 62 | 121 |
|  | Work done | .. | 79 | .. | 55 | * | 5 |
|  | Total |  | 139,956 |  | 162,382 | .. | .. |
|  | Sales in other industries (see Table 6) |  | 7,987 |  | 2,943 | . | . |
|  | Principal products of this industry sold by establishments in the industry |  | 131,969 |  | 159,439 | 201 | 400(e) |

(a) For sand-lime bricks and bricks, tiles etc of cement or concrete see the Miscellaneous Building
(b) The number given is that of the sub-division of which the item is a characteristic product. The to a sub-division.
(c) Including unclassified refractory goods
(d) Excluding glazed wall tiles and fireplace tiles of all kinds and tiles for tessellated pavements
(e) This figure represents the total number of returns made by larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined which is cess than the total number

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


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 Kingdo

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  | Th.tons | £'000 | Th.tons | £'000 |
| Fireclay (including saggar marl) | 177 | 482 | 163 | 536 |
| 0ther clay, fuller's earth, brick-earth, marl and shale other than oil shale | . | 164 | . | 263 |
| Earthenware, red ware and terra-cotta ware, glazed and unglazed: stoneware, brown ware and yellow ware | .. | 349 | . | 423 |
| Sand-lime bricks of all kinds |  |  | . | 100 |
| 0 ther goods (including tiled hearths and fireplace surrounds and glazed wall and hearth tiles of all kinds, pre-cast concrete goods, sandstone and quartzite (including ganister)) | ${ }^{*} \cdot$ | 532 | .. | 522 |
| Work done as main and sub-contractors | . | 456 | .. | 1,124 |
| Services rendered to other organisations (a) | .. | 246 | . | 610 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) |  | 4,331 | .. | 7,749 |
| Canteen takings | .. | 372 | .. | 418 |
| Total |  | 6,932 |  | 11,745 |

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

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 Kingdom


TABLE 10 (continued)

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
| Fuel and electricity (b) (continued) | Th.gal. | £'000 | Th.gal. | £'000 |
| Other liquid fuels (including creosote/pitch mixtures, etc, and liquefied petroleum gases) | 68,031 $\cdots$ | $\begin{array}{r} 2,784 \\ 329 \end{array}$ | \} 157,062 | 6,936 |
| Gas | Th. therms <br> 5,778 | 247 \{ | $\begin{gathered} \text { Th. therms } \\ 3,250 \end{gathered}$ | 190 68 |
| Electricity | $\begin{aligned} & \text { Th. } \mathrm{kWh} \\ & 515,914 \end{aligned}$ | 3,133 | $\begin{aligned} & \text { Th.kWh } \\ & 629,920 \end{aligned}$ | 4,502 |
| Electricity | .. | 671 | .. | 822 |
| All other fuels | . | (c) |  | 199 |
| Total cost of materials and fuel |  | 40,396 |  | 54,132 |
| Goods purchased for merchanting |  | 3,889 |  | 6,775 |
| Canteen purchases |  | 364 |  | 429 |
| Total cost of purchases |  | 44,649 |  | 61,337 |

(a) Included with 'other general chemicals' for 1963.
(b) The total quantity of electricity generated in establishments employing 25 or more persons in (c) Not recorded separately for 1963 .

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. | 2,422 | 2,027 |
| Transport costs |  |  |  |
| Wages and salaries | £'000 | 2,097 | 2,350 |
| Derv fuel and motor spirit | " | 881 | 1,034 |
| Tyres and other spare parts for road goods vehicles | " | . | 588 |
| $\qquad$ | " |  | 14,324 |
| organisations for transport $\quad\left\{\begin{array}{l}\text { by rail and other } \\ \text { means excluding } \\ \text { postal services }\end{array}\right.$ | " | 13,316 | 1,121 |
| Costs of operating road goods vehicles |  |  |  |
| Insurance | " | 90 | 78 |
| Vehicle licences | " | 143 | 243 |
| Depreciation | " | 519 | 538 |
| Payments to other organisations for repairs and maintenance | " | 323 | 287 |
| Total | " | 17,368(a) | 20,564 |

(a) Excluding tyres and other spare parts for road goods vehicles,
not collected separately for 1963 .

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 |  |
| :--- | ---: | ---: |
|  | 1963 | 1968 |
| Repairs and maintenance to | $£, 000$ | $£ ’ 000$ |
| Buildings | 388 | 443 |
| Road goods vehicles | 323 | 287 |
| Plant, machinery and other capital equipment | 1,181 | 2,135 |
| Insurance, licensing and depreciation of road goods | 752 | 859 |
| vehicles (b) | 1,607 | 2,168 |
| Rates, excluding water rates | 485 | 781 |
| Hire of plant and machinery | 362 | 506 |
| Postage, telephone, telegrams, cables and telex (c) | 5,098 | 7,179 |

(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 establ ishments, 1968

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

| Year ended | Percentage <br> oftotal returns <br> received | Percentage <br> of total number <br> employed |
| :--- | :---: | :---: |
| 1968 | Per cent. | Per cent. |
| April (a) | 0.5 | 1.0 |
| May | 0.3 | 0.1 |
| June | 5.5 | 4.1 |
| July | 0.5 | 0.2 |
| August | 0.3 | 0.4 |
| September | 8.8 | 6.0 |
| October | 0.5 | 0.2 |
| November | 0.5 | 0.3 |
| December | 43.9 | 54.8 |
| 1969 | 0.5 | 0.6 |
| January | 1.0 | 1.1 |
| February | 37.7 | 31.2 |
| March | 0.0 | 0.0 |
| April (b) | 100 | 100 |

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


[^0]:    Report

