## PA103

## 42 (HA 251)

##  <br> 834 <br> 1976

## Business Statistics Office

## Business Monitor

## Report on the Census of Production

## Chalk, clay, sand and

 gravel extraction$$
-. .19
$$

-1 AND

## Business Monitor

# Report on the Census of Production 1976 

Chalk, clay, sand and gravel extraction

Presented by the Secretary of State for Industry Parliament in pursuance of the Statistics of Trade Act 1947 ( 10 \& 11 Geo. 6 Cha. 39 sec 7 )

## Department of Industry

Business Statistics Office

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| PA339.5 |  |
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| PA | Surgical instruments and appliances |
| PA354 | Scientific and industrial instruments and systems |
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|  | Radio and electronic components |
|  |  |
| PA365 2 | Broadcast receiving and sound reproducing |
|  | equipment |
| $\begin{aligned} & \text { PA366 } \\ & \text { PA367 } \end{aligned}$ | Electronic computers |
| PA368 | Electrical appliances primarily for domestic use |

PA369.1 Electrical equipment for motor vehicles, cycles

PA370 Shipbuilding and marine engineering
$\begin{array}{ll}\text { PA330 } & \text { Shipbuilding and marine enginee } \\ \text { PA380 } \\ \text { Wheeled tractor manufacturing }\end{array}$
PA381.1 Motor vehicle manufacturing

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Trailers, caravans and freight containers
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Trailers, caravans and freight containers
Motor cycle tricycle and pedal cycle manuacturing
Aerospace equipment manufacturing and repairing
Motor cycle, tricyce and andacturing and repairing
Aerospace equipment manufacturn
Locomotives. railway track equipment, railway carriages,
wagons and trams
wagons and trams
Egineers' small to
Engineers' small tools and gauges
Hand tools and implements
Hand tools and implememts
Cutlery, spoons, forks and plated tableware, etc.
Cutlery, spoons, forks and plat
Bolts. nuts screws, rivets, etc
Wire,
Bolts, nuts, screws, rivets, etc
Wire and wire manufaccures
Cans and metal boxes
Cans and metal boxes
Jewellery and precious metals
Jewellery and pre
Metal furniture
Drop forgings. etc.
Metal hollow ware
Metat hollow ware
Miscellaneous metal manufacture
Miscellaneous metal manufactur
Production of man-made fibres
Producio and doubling on the cotton and flax systems
Spinning and doubling on the cotton and flax ss
Weaving of cotton, linen and man-made fibres
Woollen and worsted
Woorien
Jute
Rope, tw
Jute
Rope, twine and net
Hosiery and other knitted goods
Hosiery and ot
Warp knitting
Warp knit
Lace
Carpets
Carpets
Narrow fabric
Narrow fabrics
Household textiles and handkerchiefs
Household textiles and handkerchiefs
Canvas goods and sacks and other madeup textiles
Canvas goods and
Textile finishing
Axbestos
Miscellaneous textile industries
Miscellaneous textile industries
Leather (tanning and dressing) and fellmongery
Learner Itanning
Leather goods
Fur
Fur Weatherproof outerwear
Meatherproof outerwear
Men's and boys trilored outerwear
Women's and girls'
Women's and girls' tailored outerwear
Overalls and men's shirts, underwear, etc.
Overalls and men's shirts, underwe
Dresses, lingerie, infants' wear, etc
Dresses, lingerie, infants'
Hats, caps and millinery
Hats, caps and millinery
Corsets and miscellaneous dress industries
Goves.
Foofwear
Refractory good
Refractory goods
Building bricks and non-refractory goods
Pottery
Glass

Cement
Abrasives
Miscellaneous building materials and mineral products
imber
Funniture and upholstery
Bedaing, etc.
Shop and office fitting
Wooden containers and baskets
Wiceel
Miscellaneous wood and cork manufactures
Paper and board Cardboard boxes, cartons and fibre-board packing case
Cardboard boxes, cartons and fibre-board packing cases
Packaging products of paper and associated materials
Packaging products of paper and associated materials
Manufactured stationery
Manufactured stationery
Miscellaneous manufactures of paper and board
Printing, publishing of newspapers and periodicals
General printing and publishing
Rubber
Linoleum, plastics floor covering, leathercloth, etc
Linoleum, plastics
Toys, games and children's carriages
Sports equipment
Miscellaneous stationers' goods
Sports equipme
Miscellaneous st
Plastics products
Musical instruments
Miscellaneous manufacturing industries
Construction
Gas
Gas
Electricity
Water suo
Electricity
Water supply
Summary tables

Extracting chalk, clay, sand and gravel from pits or quarries and such ancillary activities as cleaning, washing, grading, etc. normally
carried out at pits and quarries.

Figures in this report for 1973 relate only to Great Britain; an annual census of production in this industry was not taken in Northern Ireland until 1974.

In interpreting the data in the tables it is assential to bear
in mind the notes and definitions which commence on page (iii).

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Output and costs, 1973 -1976
All United Kingdom establishments classified to the industry (a) (b)

|  | Unit | 1973 | 1974 | 1975 | 1976 - |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises | Number | 536 | 607 | 598 | 587 |
|  | ., | 1,038 | 1.134 | 1,142 | 1,085 |
| Sales of goods produced (c) | f thousand | 168,761 | 200,970 | 221,665 | 274,290 |
| Receipts for work done and industrial services rendered | " | (d) | (d) | (d) | 468 |
| Capital goods produced for establishments' own use | " | 2,247 | 3,754 | 4,199 | (d) |
| Non-industrial services rendered | " | 780 | 276 | 402 | 681 |
| Goods merchanted or factored | " | 3.122 | 3.495 | 4,349 | 5,259 |
| Total sales and work done (e) | " | 174,911 | 208,495 | 230,615 | 280,697 |
| Value of outward transport on goods sold |  |  |  |  |  |
| by establishments' own staff | " | 13,158 | 11,630 | 17,309 | 19,665 |
| by other organisations | " | 31,450 | 24,520 | 32,715 | 41,611 |
| Increase during the year, goods on hand for sale | " | -97 | 803 | 1,950 | 3,722 |
| Gross output | " | 219,422 | 245,448 | 282,590 | 345,695 |
| Purchases of materials for use in production, and packaging and fuel | " | 45,690 | 54,183 | 60,693 | 73,412 |
| Purchases of goods for merchanting or factoring | " | 2,661 | 2,938 | 3,884 | 4,375 |
| Increase during the year, stocks of materials, stores and fuel | " | 558 | 3,734 | 803 | 2,560 |
| Cost of industrial services received | " | 5,084 | 5,249 | 8,523 | 15,397 |
| Net output | " | 166,545 | 186,812 | 210,293 | 255,071 |
| Total employment ( $f$ ) | Thousands | 20.9 | 21.1 | 19.7 | 19.9 |
| Net output per head | £ | 7,961 | 8,858 | 10,681 | 12,840 |
| Payments for non-industrial services |  |  |  |  |  |
| Rents, hire of plant and machinery $(\mathrm{g})(\mathrm{h})$ | £ thousand | 6,155 | 9,945 | 7,113 | 10,045 |
| Commercial insurance premiums | " | 674 | 887 | 1,329 | 1,497 |
| Bank charges | " | 54 | 28 | 77 | 70 |
| Other non-industrial services ( j ) | " | 36,680 | 30,037 | 38,829 | 55,738 |
| Licensing of motor vehicles | " | 706 | 747 | 912 | 942 |
| Rates, excluding water rates | " | 1,827 | 2.168 | 2,000 | 3,180 |
| Gross value added at factor cost | " | 120,451 | 143,000 | 160,032 | 183,599 |
| Gross value added at factor cost per head | £ | 5.758 | 6,781 | 8,128 | 9,242 |

[^0]

[^1]Including estimates for establishments not making satisfactory returns, non-reponse and establishments exempt because of size.
Satisfactory returns accounted for 59 per cent of employment within the industry.
table 4
Analysis of establishments by size, 1976
All United Kingdom establishments classified to the industry (a)

| Size <br> group <br> (b) | Estab- <br> lish- <br> ments | Enter- <br> prises <br> (c) | Employment |  |  | Wages and salaries (f) |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| $1-10$ | 790 | 480 |
| :---: | :---: | :---: |
| $11-19$ | 159 | 88 |
| $20-49$ | 99 | 69 |
| $50-99$ | 21 | 20 |
| $100-399$ | 12 | 8 |


| $100 \cdot 399$ | 12 | 8 | 2,279 | 1,810 | 463 | 5,917 | 3,269 | 1,444 | 3,119 |
| :--- | ---: | :--- | :--- | :--- | ---: | ---: | ---: | ---: | ---: |
| 400 and over | 4 | 4 | 7,091 | 5,066 | 2,025 | 14,180 | 2,799 | 7,051 | 3,482 |

Total 1,085 587 19,866 14,695 4,773 45,522

| 3,098 | 15,983 | 3,349 |
| :--- | :--- | :--- |

(a) Including estimates for establishments not making satisfactory returns, non-response and establ ishments with fewer than 20 employees
(b) Average number employed, including full and part-time employees (see table 7 ) and working proprietors.
(c) The sum of the figures for the size groups may exceed the total for the industry because some enterprises control establishments in more than one size group.
(d) Including working proprietors.
(e) Administrative, technical and clerical employees.

| Total sales and work done (g) | Gross output | Net output |  | Gross value added at factor cost |  | Net capita expenditure (h) | Total stocks at end of year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | $\begin{aligned} & \hline \text { per } \\ & \text { head } \end{aligned}$ | Total | $\begin{aligned} & \hline \text { per } \\ & \text { head } \end{aligned}$ |  |  |
| £ thousand | f thousand | f thousand | £ | £ thousand | £ | £ thousand | £ thousand |
| 154,023 | 198,612 | 145,820 | 13,893 | (j) | (j) | 12,103 | 11,302 |
| 26,947 | 35,978 | 26,378 | 11,575 | 121,280(j) | 9,494(i) | 230 | 2.863 |
| 99,726 | 111,105 | 82,873 | 11,687 | 62,320 | 8,789 | 6,381 | 11,091 |


| 280,697 | 345,695 | 255,071 | 12,840 | 183,599 | 9,242 | 18,713 | 25,255 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


(g) Sales of goods produced, capital goods manufactured, buildings constructed by establishments for their own use, work done,
industrial and non-industrial services rendered and merchanted goods.
(h) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
(i) Gross value added data relate to establishments employing 1-399.

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1976 All United Kingdom establishments classified to the industry

| Area | Total employment (a) |  | Net capital expenditure (b) (c) |  | Net output, gross value added and employment in the region from returns received from establishments with more than 80 per cent of their employment in the region (d) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Net output | Gross value added at factor cost | Employment as a percentage of total regional employment in the industry |
|  | Thousands | $\overline{\text { per cent of }}$ United Kingdom |  |  | $\overline{\text { £ thousand }}$ | per cent of United Kingdom | £ thousand | $\overline{\mathrm{f} \text { thousand }}$ |  |
| Standard regions of England |  |  |  |  |  |  |  |
| North | 0.5 | 2.3 | 425 | 2.3 | * | * | * |
| Yorkshire and Humberside | 0.8 | 3.8 | 466 | 2.5 | 3,593 | 2,666 | 25.8 |
| East Midlands | 1.3 | 6.7 | 1,446 | 7.7 | 5.908 | 3.828 | 24.6 |
| East Anglia | 1.7 | 8.3 | 835 | 4.5 | 4,950 | 2,989 | 16.4 |
| South East | 4.3 | 21.6 | 5,087 | 27.2 | 17,610 | 11,312 | 30.1 |
| South West | 7.1 | 35.8 | 6.591 | 35.2 | * | * | * |
| West Midlands | 1.1 | 5.5 | 719 | 3.8 | 3,052 | 2,064 | 20.6 |
| North West | 0.9 | 4.8 | 999 | 5.3 | 9,960 | 7,615 | 57.9 |
| England | 17.7 | 88.9 | 16.568 | 88.5 | 115,977 | 83,424 | 54.2 |
| Wales | 0.4 | 2.1 | 316 | 1.7 | * | * | * |
| Scotland | 1.4 | 7.1 | 1,521 | 8.1 | 5,348 | 3.711 | 22.2 |
| Great Britain | 19.5 | 98.0 | 18,406 | 98.4 | * | * | * |
| Northern Ireland | 0.4 | 2.0 | 307 | 1.6 | * | * | * |
| Unallocated (e) | - | - | - | - | 132,224 | 95,177 | - |
| United Kingdom (b) | 19.9 | 100.0 | 18.713 | 100.0 | 255,071 | 183,599 |  |

(a) Average number employed, including full and part-time employees (see table 7 ) and working proprietors.
(b) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 employees.
(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
(d) Where a census return covered addresses in two or more regions an estimate was made of the net output and gross value added attributable to the region only where more than 80 per cent of the establishment's employees were located in the region. The estimate was made by assuming that net output and gross value added at each address covered by a return was proportional to employment at
the address.
e) Unallocated net output and gross value added covering establishments with addresses in two or more regions, pestimes unsatisfactory returns, non-response and establishments exempt because of size.

## TABLE 6

Fercentage and . persons, 1976

| Accounting year ended |  | Percentage of total returns received | Percentage of total number employed |
| :---: | :---: | :---: | :---: |
| 1976 |  | per cent | per cent |
|  | April (a) | 2.4 | 0.5 |
|  | May | 1.2 | 1.2 |
|  | June | 10.6 | 13.2 |
|  | July | 1.2 | 0.8 |
|  | August | 0.0 | 0.0 |
|  | September | 9.4 | 48.0 |
| 1977 | October | 2.4 | 0.5 |
|  | November | 4.7 | 1.0 |
|  | December | 57.6 | 27.8 |
|  | January | 0.0 | 0.0 |
|  | February | 0.0 | 0.0 |
|  | March (b) | 10.6 | 7.1 |
| (a) | 6 th April. |  |  |

## TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1976(a)

| Sex | Full-time |  | Part-time |  |
| :--- | :--- | :--- | :--- | :--- |
|  | per cent |  | Pll employees |  |
| Male cent | 8 | 1 |  | per cent |
| Female | 9 | 2 | 89 |  |
|  |  |  | 11 |  |

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at end June, 1976.

Notes
These notes give the main information needed for interpreting the figures in the industry Business census is given in a separate Business Monitor PA1001 (introductory Notes
Census of Production, 1976.
GENERAL INFORMATION
Changes made for 1976 is in line with similar
The Census for 1976 is inquiries being conducted in other member countries small number of changes in the scope of the Smalustry reports compar
inded
separate headings for:
separate headings for:
Sales of goods produced
Sales of goods produced
Recelpts for work done and industrial services
rendered paid for hire of plant and machinery commercial buildings
Spectilic changes are explained in the introductions
to the industry reports or by footnotes to the tables.

Suppression of information relating to individua undertakings (b) of the Statistics of Trade Act 1947
Section 9 (5) ( states - "The following provisions shall have
effect with respect to any report, summary or other eommunication to the public of information obtaine under the foregoling provisions of this Act in compliling any such report, summary or
communication the competent authority shall so arrange it as to prevent any particulars
published therein from being identitied as being particulars relating to any individual person or undertaking except with the previous consent in
writing of that person or the person carrying on
that provision shall not prevent the disclosure of the total quantity or value of any articles produced,
sold or dellivered; so, however, that before sisclosing any such totai the competent authority shall have regard to any representations made to
them by any person who alleges that the dis them by any person who alleges that the dis
closure thereot would enable particulars relating to him or to an undertaking carried on by him to be deduced from the total disclosed.
if a figure involved disclosure the contributor
concerned was sometimes asked to give permission concerned was sometimes asked to give permission
for its publicatlon. In the majority of cases permission was given. When it was refused and where contributors were not approached the figure
has been suppressed, either by combining it with has been suppressed, either by combining it with
other figures, or as in the regional tables, by
omitting the flgure altogether.
Symbols used
The following symbols are used throughout the PA
series of Business Monitors:
.. not available

* nil or less than half the final digit shown
disclosing information about individual enter${ }_{R} \quad \begin{gathered}\text { prises } \\ \text { revised }\end{gathered}$

Rounding of figures
Rounding of figures
Figures in the tables have, where necessary, been rounded to the nearest final where necessary, been
have been so rounded, the sum of there figures
have constituent have been so rounded, the sum of the constituent
items may not always agree exactly with the total
shown.
ndustrial classification
Standard Industria The United (SIC) was first issued in 1988 and was subsequently revised in 1958 and 1968. It
exists to promote uniformity and comparablity in exists to promote uniformity and comparabict
the official statistics of the United Kingdome The general principles followed are those of the International Standard Industrial Classification of all Economic Activities of the United Nations
Statistical Office but the United Kingdom Sic reflects the organisation and structure industry and trade as it exists in the United Kingdom. The SIC is a classification by activit
and is not a commodity classification. However an index of all commodity headings for which
sales data are provided in the Quarterly Business sales data are provided in the Quarterly Business
Monitors, is published in Business Monitor PQ1000,

Statistical units
The statistical unit for the purpose of the Census is the establishment which is defined in the SIC
as the smallest unit which can provide the as the smallest unit which can provide the
information normally required for an economic census, for example, employment, expenses, turn over, capital formation. Usually the princlpal
activitles carried on in an establishment fal within a single heading of the classificatio with a sing steel making or sugar retining). Typically
(e.g.
the establitshment embraces all the activities the establishment embraces all the activilin
carried on at a single address e.g. a farm, a mine carried on at a singe adress e.jch are ancillary
or a factory, including those which
to the principal activities. Frequently distinct Frequently distinc
to the principal activities.
activities characteristic of different industri activities characteristic of different industries
are carried on at one address, but normally thes are carried on at one address, but normally these
are not classifled separately and the whole are not clashment is classifled according to the mal activity. If, however, the required range of dat
can be provided for each actlvity, each is take can be provided for each activity, each is take
to constitute a separate establishment. Somet ime activities which are conducted as a singl
business are carried on at a number of addresses, business are carried on at a number of addresses,
Where this is so, businesses are asked to provide
the full range of separate information in respect Where this is so, businesses are asked to provid
the full range of separate information in respec of each address, whether or not the activities ar
different. Their activities may, however different. Their activities may, however, bo
integrated to such an extent that they constitut a single establishment. In the latter case the establishment is defined to cover the combine
activities at these addresses termed loca activities at these addresses (termed loc
units).
Separate figures are obtained employment and net capital expenditure at ea unit in order to complle regional tables.
Efforts are made by the Business Statistics Offic Efforts are made by the Business Statistics Offlc
to ensure, by negotlating with respondents, that to ensure, by negotlating with respondents, that
the return from an establishment does not cove local units or addresses in more than one of the countries of the United Kingdom.
appeared in an article "The statistical unit appeared inquiries" in Statistical News No. 13 Ma 1971.

Establishments are asked to exclude from the engaged in production e.ting to any department not warehousing, for which they keep a separate set accounts. Transfers of goods produced
departments are treated as sales and responden are asked to value them as far as possible as sold to an independent purchaser. Where separat
accounts are not kept they are asked to includ accounts are not kept they are asked to inclu
detalls of all these activities in their return Particulars relating to head offices mainly engaged in the administration of the production
units within the scope of the census wer units within the scope of the census wer
included. Where more than one return was made the
information in respect of the head office was information in respect of the head office was apportioned among them.
For certalin purposes in the
production (especially the enterprise analyses of Business Monitor PA1002) related establishments are combined. for these purposes an enterprise group may be defined as a business consisting of
either a single establishment or two or more establishments under common ownership or control. Bringing together establishments into enterprise
groups is also necessary for the groups is also necessary for the purpose of
ensuring that there will be no disclosure of the ensuritles of any one enterprise group. Informa-
activities
tion about the relationship of establishments, the tion about the relationship of establishments, the
changing structure of groups of companies and about changing structure of groups of companies and about
common ownership links is obtained from many sources, including the Stock Exchange Year Book, company reports, press reports and
supplied by individual establishments.

THE REGISTER
The register permits a questionnaire to be sent direct to the reporting establishment on which the
latter can include information relating to all the manufacturing (or local) units which it comprises. The inquiries provide a major source of information
for keeping the register continuously up-to-date or keeping the register continuously up-to-date
and act as a check on its detail and structure. For the establishments on the register making
returns to the quarterly inquiries, the industrial returns to the quarterly inquiries, the industrial
classification is derived from an analysis of their classification is derived from an analysis of their
sales of commodities and is reviewed annually. Employment data are entered on the register from returns to the annual census of production. In cases where an establishment does not make a return
to these inquiries the employment data are based on information provided by the Department of Employment from the annual censuses of employment. Establishments with 20 or more employees are
Included in the censuses each year and the information they supply to the census is supplemented by the returns that those with 25 or more employees provide to the quarterly inquiries. Information
about establishments with fewer than 20 employees in most industries is less securely based, but Increasing use has been made of data on these small establ ishments supplied by the Department of
Employment. One benefit of using this information Employment. One benefit of using this information
is an Improvement in the estimates of the number of smaller establishments and enterprises, but there is little effect on other aggregates (e.g. employoverage
A return was required in the 1976 Census from each establishment is classified to an in industry, as defined in the SIC, whose principal products form
the major part of the establishment's sales.
Regions
The regions defined in Table 5 take account of the
boundary changes arising out of the Local boundary changes arising out of the Local
Government Act 1972 and the Local Government Act (Scotland) 1973 . These changes came into effect in
April 1974 in England and Wales and May 1975 in cotland

TERMS USED IN THE CENSUS REPORT
verage number emp loyed
persons on were required to state the number ear of return, whether fullatime or part-time
(a) administrative, technical and clerical
(b) all other employees (operatives)
verages could be calculated from the figures elating to the last week of each calendar month.
stablishments were also required to state the
number of working proprietors where appropriate
and these are
included in total employment igures. The flgures include persons engaged on merchanting or factoring and canteen workers where
particulars in respect of these activities could not be excluded from the return.
Whking proprietors
hese include all persons regarded as "selfembers of their families who worked in the usiness without recelving a wage or salary; but sum persons who worked less than half the normal
number of working hours are excluded. Directors vorking in the business but not in recelpt of a
definite wage, salary or commission are included definite wage, salary or commission are included
nder this heading: directors paid by fee only are not included.

Amployees Administrative, technical and clerical employees include directors in recelpt of a definite wage, salary or cormission, managers, superintendents and works foremen; research and design employees
other than operatives); draughtsmen, editorlal taff, advertising staff, travellers and all ffice emp loyees.
peratives include all other classes of employees, thar is, broadly speaking, all manual wage power stations, transport (including roundsmen), varehouses, stores, shops and canteens,
inspectors, maintenance workers and cleaners. ortive engaged in outside work of erecting,
itting etc. are also included. itting etc. are also included.

## Capital expenditure

caplafacturing units during the year in respect of started before the end of production had not stabl shments were asked not to deduct from the expected to be recelvedture amounts received or rom the Government or any statutory or allowances uthority. Establishments with 100 or more employees were asked to Include a total net
capital expenditure figure for each calendar year.
(a) New bullding work
his represents the cost incurred during the year new bullding and other constructional work to be eturn. The value is that charged to by the account during the year of return; it includes expenditure on new buildings and on the extension or of a capltal ol nature carried out by the sstabishment's own staff and the cost of any newly
constructed bulldings purchased. shown
nclude commissions, etc.
(b) Land and existing bulldings
he items shown are the capital cost of freeholds orchased and the capital cost or premium payable assets acquired in taking over an existing business), and the amounts recolvable for freeolds or leaseholds disposed of. The value is return.
(c) Plant, machinery and vehicles he Items shown are the value of plant and second-hand, and the amount received for and disposed of during the year. The value of plant Irms produced acquired includes plant, etc. which the business covered by the return. The value of
pant, etc. acquired is the expenditure charged to capital account during the year of return less any
discounts recelved, but Including the cost of transport and instaliation. Deductible value added tax is excluded but non-deductible value added tax
No deduction on motor cars acquired is amcludedion or obsolescence. The proceeds of items disposed of during
the year exclude amounts written-off for items the year
scrapped.
ost of industrial services
this includes amounts payable to other firms for work done on materials supplied by the establish-
payments for repairs and maintenance ment payments tor repairs and maintenance
(Including those in respect of rented buildings) and amounts paid
have been sublet.
cost of non-industrial services
This includes rent of Industrial and commercial uildings, hire of plant and machinery, commercla insurance premiums, bank charges and amounts paid for professional services, post office services
Amounts payable on ransport, advertising etc. Amounts payable o
royalties for the right to use patents, trademarks oyalties for the right to use patin, mining and uarrying rights and technical "know-how" are also ncluded.
Inoss output calculation of gross output the value of otal sales and work done is increased by the rise (or reduced by the fall) during
value of goods on hand for sale.
Not output
Net output, a customary census measure, is
calculated by deducting from gross output the cost of purchases (reduced by the rise, or increased by the fall, during the year of stocks of material $e+c$.$) and the cost of industrial$
and where applicable, duties etc.
Net output per head
The figures of net output per head are derived by
dividing the net output by the average number of dividing the net output by the average number of
persons employed (fuli and part-time) on all activities covered by the returns, including
operatives, administrative, technical and clerical operatives, administrative, techni
employees and working proprietors.
Gross value added at factor cost
Gross value added at factor cost is calculated by deducting from net output the cost of non-
industrial services (e.g. rent of bulldings, hire industrial services (e.g. rent of bulldings, hire
of plant and machinery, commercial insurance premiums, bank charges and amounts pald for professional services, post office services, rates) and the cost of licensing motor vehicles. This estimate of gross value added approaches more
closely than census net output to the definition closely than census net output to the deflinition
of net output or value added in national accounts statistics.
Gross value added at factor cost per head The figures of gross value added at factor cost per head are derived by dividing the gross value added by the average number of persons employed
(full and part-time) on all activities covered by (full and part-time) on all activities covered by
the returns, including operatives, administrative, technical and clerical employees and working proprietors.

Purchases
Purchases include the cost of raw materlals, components, semi-manufactured goods and workshop
not charged to capital account; of packaging materials of all types; of stationery and printe
matter; of fuel, electricity and water; of material to be used by the establ ishment or given out to
to ber establ ishments for the production of machiner or other capital tems for the establishment's ow we; ;ing on goods supplied by customers; and of food work. for any canteen covered by the establ ishment
etc.
return. Transfers of goods to the establ ishmen return. Transfers of goods to the establ ishmen
from another department of the same firm not covere from another department of the same firm not covere by the establishment s ine estimated selling val recorded by the other department. Amounts payab
to transport firms or credited to the firm's o to transport firms or credited to the firm's on
transport department for delivery of materials ar transport department for delivery of matirials ar
excluded, as are all purchases of machinery an elant charged to capital account. Purchases
poods for merchanting or factoring have bee goods for merchanting or factoring have been collected separately since 1973. in addition to the
exclude VAT. They include, in then actual purchase price, the value of packagin material charged to the establishment. The value
returned goods or packaging material returned returned goods or packaging material returned
suppliers and any trade discounts are excluded Materials purchased duty-pald are included at thei duty-paid value, less any drawback, rebate, et The cost of transport is included only if firm's
included with the purchase price in the fir accounts. Imported goods are included at the ir fu
If dellivered cost. If in the firm's accounts the
transport from docks or airport is not included transport from docks or airport in cost is entered the cost of goods purchased, c , i.f. plus duty (if applicabe). Leasing, renti and hire purchase charges are excluded.

Sales of goods produced
Sales for the purposes of the annual censuses
means deliveries on sale of minerals raised means deliverites on sale of minerals raised or goods made by establishments Kingdom covered by the inquiry. Sales of goods made Kingdom covered by the inquiry. Sales of goods made
for these establishments by other establ ishments from materials given out to them and sales of wasto products are included. New building work and machinery or other capital tems proauced br
establishments for hiring out or leasing ar establishments for hiring out or in the retu ing that adopted in the establishments' capita asset accounts. Forward sales and canteen taking All sales in the period of
nquiry are included irrespective of when goods were manufactured. Goods produced in one stablishment and engaged in production for whic there are separate accounts, or to anothe stablishment of the same firm not covered by the return, are treated as sales by the produci
establishment and valued as far as possible as they had been sold to an Independent purchaser Goods transferred to wholesale or retail sellit organisations, for which separate accounts are kep same basis.
The value shown for sales is the "net selli tax) charged to customers whether on an ex-works delivered basis, after any trade discounts agents' commissions have been deducted. The of packing materia
cases is included.
ork done and indust Figures for work done represent the amount chargel for work carried out on materials supplied by bought and used in such work. Activities with this heading includes repair and jobbing wor erection and installation of plan and mach and
exploration work, and research and development.

Industrial services rendered include repairs and installation work, and technical
nater
ind

Capital goods produced for establishments' own use
This includes all work of a capital nature carrited
out during the year by the establishments' own taff for their own use.
on-industrial services rendered
This includes rents received for commercial and ndustrial buildings, amounts charged for hiring
out plant, machinery and other goods and amounts out plant, machinery and other goods and amounts charged $\begin{gathered}\text { transport. It also includes amounts received for } \\ \text { the right to use patents, trademarks, copyrishts }\end{gathered}$ right to use patents, trademarks, copyrights
manufacturing, mining and quarrying rights
 staff facilities as canteens.
Goods merchanted or factored
lerchanted goods are those
herles) sold goots whout having those (excluding canteen
sabjected to any anufacturing process by the seller.
tocks and work in progress
alues are given of stocks of goods on hand for
ale and of materials, stores and fuel, of the year of return and of the change during the
fear, including any stocks of goods held for merchanting or factoring.
defined as materials which have in progress is is
processed by the establishment but which arealy processed by the establishment but which are not
usually sold or transferred to another estabusually sold or transferred to another estab-
lishment without further processing. The values
include the cost of materials consumed and labour include the cost of materials consumed and labour
ussed, together with a margin of overhead costs and
profits.
Progress payments made to Progress payments made to sub-
contractors are excluded and progress payments
received from other organisations are not eceived
lages and salaries
hese are amounts paid during the year to peratives and to
employees.

Payments to working arluded. The values shown include all overtime egularly or not, and no deduction is made for income tax, insurances, contributory pensions etc. eimbursed from Government sources is included. e value of any payments in kind, travelling
expenses etc. is excluded.
mployers' insurance and welfare contributions
his item includes employers' contributions
is item includes employers' contributions to
ational insurance and graduated pensions (and/or nings related basic contributions under the cial Security Act, 1973) as well as commercial
surance premiums to provide pensions, superurance premiums to provide pensions, super-
uation or other retirement benefits, sicknes efits, personal accident benefits, disability or
th benefits for employees or former employees or ir benefits for employees or former employees or
dependants. Contributions to the running is of canteens, social centres, children's and their dependants are also included.

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[^0]:    (a) 1973 figures relate to Great Britain only.
    (b) Including estimates for establishments not making satisfactory returns, non-ressond establishments exempt because of size,

    Satisfactory returns accounted for 59 per cent of employment within the industry.
    Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being shown separately.
    (d) Included with Sales of goods produced.
    (e) Details of manufacturers' sales of principal products are published regularly in Business Monitor PQ103.
    (f) Average number employed, includ ing full and part-time employees (see table 7 ) and working proprietors.
    (g) 1973 figures include hire of vehicles.
    (h) For 1973-1975, rents of industrial and commercial buildings were not recorded separately. For 1976 the amount payable was
    (h) For 1973-1975.
    (j) 1974-1976 figures include the cost of hiring goods vehicles.

[^1]:    (a) 1973 figures relate to Great Britain only.

