## PA395

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## Business Statistics Office

## Business Monitor

## Report on the Census of Production

## Cans and metal boxes



HMSO

## Business Monitor

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Commencing with the 1971 Census, the Census of
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(for production) followed first by A (indicating that
and then by a number indicating the minimum list
heading, or sub-division of a minimum list heading
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## Report on the Census of Production 1976

## Cans and metal boxes

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

|  |  |
| :--- | :--- |
|  |  |
| PA1001 | Introductory notes |
| PA |  |

The information in this report relates to establishments classified to the Cans and metal boxes industry, minimum list heading 395 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

Manufacturing tin and aluminium cans, metal boxes and other small metal containers and parts. Cash and deed boxes are excluded and are classified to minimum list heading 399

In interpreting the data in the tables it is essential to bear
in mind the notes and definitions which commence on page (iii).
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
Jewellery and precious metals
Metal funiter
Drop forgings, etc.
Metal hollow ware
Production of man-made fibres
Spinning and doubling on the cotton and flax systems
Weaving of cotton, linen and man-made fibres
Jute
Roue, twine and net
Hosiery and other kn
Hosiery and other knitted goods
Warp kn
Lace
Carpets
Narrow fabrics
Household textiles and handkerchiefs
Canvas goods and sacks and other made-up textiles
Textile finishing
Asbestos
Leather (tanning and dressing) and fellmongery
Leather goods
Weatherproof outerwear
Men's and boys' tailored
Women's and girls' tailored outerwear
Overalls and men's shirts, underwear, etc.
Heasses, caps and millinerery wear, etc.
Cots, caps and millinery
Corsets and miscellaneo
GIoves
ootwear
Building
Pottery
Glass
Cemest
Glass
Cement
Abrasives
PA469.1 Ab
PA469.2 Mis
Timber
Furniture and upholstery
Furniture and upholster
Bedding, etc
Shop and office fitting
Wooden containers and baskets
Miscellaneous wow
Paper and board
and cork manufactures
sop of paper and associated materials
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3 Stocks and work in progress, 1973-1976 3
4 Analysis of establishments by size, 1976 4.5
$5 \begin{aligned} & \text { Regional distribution of employment, net capital expend iture, net output and gross value added } \\ & \text { at factor cost, 1976 }\end{aligned}$
6 Percentage analysis of twelve-month periods covered by returns received from United $\begin{aligned} & \text { Kingdom establishments employing } 20 \text { or more persons, } 1976\end{aligned}$
7 Percentage analysis of employees, by full and part-time employment and sex, 1976

Output and costs, 1973-1976
All Unit

|  | Unit | 1973 | 1974 | 1975 | 1976 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises | Number | 90 | 89 | 91 | 92 |
| Establishments | " | 115 | 113 | 113 | 114 |
| Sales of goods produced | f thousand | 228,026 | 292,028 | 335,408 | 448,093 |
| Receipts for work done and industrial services rendered | " | (b) | (b) | (b) | 1,765 |
| Capital goods produced for establishments' own use | " | 368 | 460 | 598 | 624 |
| Non-industrial services rendered | " | 793 | 1,181 | 1,797 | 1,736 |
| Goods merchanted or factored | " | (b) | 3,272 | 3.722 | 5,559 |
| Total sales and work done (c) | " | 229,187 | 296,941 | 341,525 | 457,777 |
| Increase during the year, work in progress and goods on hand for sale | " | 616 | 3.511 | 1,376 | 8,592 |
| Gross output | , | 229,803 | 300,452 | 342,901 | 466,369 |
| Purchases of materials for use in production, and packaging and fuel | " | 151,799 | 205,309 | 224,384 | 318,174 |
| Purchases of goods for merchanting or factoring | " | (d) | 2.883 | 3,310 | 5,185 |
| Increase during the year, stocks of materials, stores and fue | " | 5,167 | 9.500 | $-3.723$ | 15,097 |
| Cost of industrial services received | " | 3,702 | 4.691 | 5,780 | 7,823 |
| Net output | " | 79,470 | 97,069 | 105,704 | 150,283 |
| Total employment (e) | Thousands | 29.7 | 28.8 | 27.1 | 28.7 |
| Net output per head | £ | 2,679 | 3,374 | 3,899 | 5,241 |
| Payments for non-industrial services |  |  |  |  |  |
| Rents, hire of plant and machinery (f) (g) | f thousand | 498 | 555 | 574 | 881 |
| Commercial insurance premiums | " | 529 | 525 | 566 | 1,092 |
| Bank charges | " | 42 | 82 | 61 | 63 |
| Other non-industrial services (h) | " | 7.781 | 9.478 | 10,705 | 13,730 |
| Licensing of motor vehicles | " | 86 | 107 | 126 | 157 |
| Rates, excluding water rates | " | 1,220 | 1.636 | 2,010 | 2,226 |
| Gross value added at factor cost | " | 69,313 | 84,687 | 91,661 | 132,133 |
| Gross value added at factor cost per head | £ | 2,336 | 2,944 | 3,381 | 4,608 |

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size.

Satisfactory returns accounted for 89 per cent of employment within the industry.
Included with sales of goods produced.
c) Details of manufacturers' sales of principal products are published regularly in Business Monitor PQ395.
(d) Included with Purchases of materials for use in production and packaging and fuel.
(e) Average number employed, including full and part-time employees (see table 7 ) and working proprietors.
(f) 1973 figures include hire of vehicles.
(g) For $1973-1975$ rents of industrial and commercial buildings were not recorded separately. For 1976 the amount payable was
f592 thousand.
(h) 1974-1976 figures include the cost of hiring goods vehicles.

Capital expenditure, 1973-1976
All United Kingdom establishments classified to the industry (a) (b)

|  | 1973 | 1974 | 1975 | 1976 |
| :---: | :---: | :---: | :---: | :---: |
| Land and build dings |  |  |  |  |
| New building work |  | 12,518 | 5,967 | 1,550 |
| Land and existing buildings | $)^{-15,718}$ |  |  |  |
| Acquisitions | ) | 241 | 1,155 | 453 |
| Disposals | ) | 3 | 25 | 250 |
| vehicles |  |  |  |  |
| Acquisitions |  |  |  |  |
| Motor cars | 269 | $327!$ | 1,032 | 912 |
| Other vehicles | 219 | 697 ) |  |  |
| Disposals |  |  |  |  |
| Motor cars | 128 |  | 217 | 233 |
| Other vehicles | 47 | 751 |  |  |
| Plant and machinery |  |  |  |  |
| Acquisitions | 6,800 | 12,373 | 13,847 | 12.592 |
| Disposals | 707 | 753 | 926 | 911 |
| Total net capital expenditure | -9,313 | 15,205 | 20,833 | 14,113 |

(a) Including estimates for establishments not making satistactory returns, non-response and establishments exempt because of size. Inclucing estimates for estabishments not making satistactory returns, non-response
Satisfactory returns accounted for 89 per cent of employment within the industry.
(b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included.
tABLE 3
Stocks and work in progress, 1973-1976
All United Kingdom establishments classified to the industry (a)

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 89 per cent of employment within the industry.

| $\begin{aligned} & \text { Size } \\ & \text { group } \\ & \text { (b) } \end{aligned}$ | Estab-lishments | Enterprises (c) | Employment |  |  | Wages and salaries (f) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total <br> (d) | $\begin{aligned} & \text { Opera- } \\ & \text { tives } \end{aligned}$ | $\begin{aligned} & \text { Others } \\ & \text { (e) } \end{aligned}$ | Operatives |  | Others (e) |  |
|  |  |  |  |  |  | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ |


| Total sales and work done (g) | Gross output | Net output |  | Gross value added at factor cost |  | Net capital expenditure (h) | Total stocks and work in progress at end of year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ |  |  |
| £ thousand | f thousand | f thousand | £ | £ thousand | £ | £ thousand | £ thousand |
| 14,360 | 14.512 | 6,262 | 4,454 | (j) | ${ }^{(j)}$ | 506 | 2,314 |
| 9,679 | 9,758 | 4,456 | 4,172 | 9,183(j) | 3,712(j) | 379 | 1,863 |
| 14,789 | 15,041 | 4,265 | 5,883 | 3,629 | 5,005 | 241 | 1,702 |
| 19,999 | 20,176 | 6,457 | 3,964 | 5,707 | 3,503 | 851 | 2,100 |
| 36,111 | 36,565 | 12,573 | 4,430 | 10,517 | 3,706 | 2,168 | 6,959 |
| 362,840 | 370,318 | 116,271 | 5,534 | 103,098 | 4,907 | 9,967 | 52,350 |


| Total | 114 | 92 | 28,676 | 23,165 | 5,435 | 62,671 | 2,705 | 19,954 | 3,671 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments 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
(d) Including working proprietors.
(e) Administrative, technical and clerical employees.

| 457,777 | 466,369 | 150,283 | 5,241 | 132,133 | 4,608 | 14,113 | 67,289 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(f) The cost of employers contributions to national insurance, graduated pensions, other pensions and welfare schemes and the running
costs of canteens, is estimated for the industry at $£ 12,090$ thousand.
(g) Sales of goods produced, capital goods manufactured, buildings constructed by establishments for their own use, work done, Sales of goods produced, capital goods manufactured, builingos const
(h) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
(j) Gross value added data relate to establishments employing 1-199.

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 | Thtal 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 | per cent of United <br> Kingdom |  |  | £ thousand | per cent of <br> United <br> Kingdom | £ thousand | $\overline{\text { £ thousand }}$ |  |
| Standard regions of England |  |  |  |  |  |  |  |
| North | * | * | * | * | * | * | * |
| Yorkshire and Humberside | 2.5 | 8.6 | 380 | 2.7 | 9,460 | 8,216 | 98.6 |
| East Midands | * | * | * | * | * | * | * |
| East Anglia | * | * | * | * | * | * | * |
| South East | 6.3 | 22.0 | 2,706 | 19.2 | 26,792 | 23,594 | 77.5 |
| South West | * | * | * | * | * | * | * |
| West Midands | 2.5 | 8.8 | 684 | 4.8 | * | * | * |
| North West | 4.9 | 17.1 | 4.243 | 30.1 | * | * | * |
| England | 24.0 | 83.9 | 10,370 | 73.5 | 109,822 | 98,097 | 80.8 |
| Wales | 2.8 | 9.6 | 1,454 | 10.3 | 4.614 | 3,362 | 83.9 |
| Scotland | * | * | * | * | * | * | * |
| Great Britain | * | * | * | * |  |  |  |

辟
Northern Ireland

| Unallocated (e) | - | - | - | - | 30,926 | 26,614 | - |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :--- |
|  |  |  |  |  |  |  |  |

(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 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 add at ach address coverd 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 cover ing establishments with addresses in two or more regions, plus estimates for
unsatisfactory returns, non-response and establishments exempt because of size unsatisfactory returns, non-response and establishments exempt because of size.

Percentage a Percenns, 1976
per

| Accounting year ended |  | Percentage of total returns received per cent | Percentage of total number employed |
| :---: | :---: | :---: | :---: |
|  |  |  | per cent |
| 1976 | April (a) | 3.9 | 0.8 |
|  | May | 3.9 | 0.4 |
|  | June | 3.8 | 0.3 |
|  | July | 0.0 | 0.0 |
|  | August | 0.0 | 0.0 |
|  | September | 9.6 | 4.6 |
|  | October | 1.9 | 1.2 |
|  | November | 1.9 | 3.5 |
|  | December | 57.7 | 81.1 |
| 1977 | January | 3.8 | 2.8 |
|  | February | 0.0 | 0.0 |
|  | March (b) | 13.5 | 5.3 |

## (a) From 6th April

(b) Including returns made for twelve-month period ended 1st to 5th April 1977

TABLE 7
Percentage analysis of employees, by full and part-time employment and sex, 1976(a)

| Sex | Full-time |  | Part-time |  |
| :--- | :--- | :--- | :--- | :--- |
|  | per cent |  |  | All employees |
| Male | 56 |  | per cent |  |
| Female | 28 |  |  | 56 |
|  |  |  |  |  |

Notes
These notes give the main information needed for Monitors: more detailed information about the census is given in a separate Business Monitor A 1001 (Introductory Notes) of the Report on the Census of Production, 1976
general information
Changes made for 1976
The Census for 1976 is in line with similar inquiries being conducted in other member countries of the European Economic Communities. There was a small number of changes in the scope of the
Industry reports compared with 1975. These include separate headings for:
Sales of goods produced
Receipts for work done and industrial services rendered Amounts paid for hire of plant and machinery and
Amounts paid for rent of industrial and Speclific changes are explained in the introductions to the industry reports or by footnotes to the tables.
Suppression of information relating to individual Section $9(5)$ (b) of the Statistics of Trade Act 1947
sta tates - "The following provisions shall have effect wication to the public of information obtained under the foregoing provisions of this Act in complifing any such report, summary or
communication the competent authory shall so arrange it as to prevent any particulars published therein from being Identified 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 undertaking, as the case may be; but this
provision shall not prevent the disclosure of the provision shall not prevent the disclosure of the
total quantity or value of any articles produced,
sold or tota or delivered; so, however, that before
sold
disclosing any such totai the competent authority disclosing any such total the competent authority
shall have regard to any representations made to shal have regar ton who al leges that the dis-
them by any person
closure thereof 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 for its publication. In the majority of cases
permission was given. When it was refused and where contributors were not approached the figure
has been suppressed, elther by combining it with or figures, or as in the regional tables, by omitting the figure altogether.

Symbols used serles of Business Monitors:

## - nil or less than half the final digit shown

figures cannot be shown owing to the risk of
disclosing information about individual enterprises
revised

Rounding of figures
Igures in the tables have, where necessary, been ounded to the nearest final digit.. Where figures items may not always agree exactly with the total

Industrial classificatio The United Kingdom
Classification (SIC) was Standard
first Issue d Industr Classification (SIC) was first Issued in 1948 an
was subsequently revised in 1958 and 1968 . exists to promote unlformity and comparabllity
the official statistics of the United Kingdom The official statistics of the United Kingdom,
The general principles followed are those of the
International standard Industrial Classitic of all Economic Activities of the United Natlon Statistical office but the United Kingdom SIC reflects the organisation and structure o industry and trade as it exists in the Unite
Kingdom. The SIC is a classiticatlon by activity
and is not a commodity classification. However, and is not a commodity classification. However,
an index of all commodity headings for which an index of all commodity headings for which
sales data are provided in the Quarterly Business
Monitors, is published in Business Monitor PQioce Statistical units
The statistical unit for the purpose of the Censu 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, turncensus, for example, employment, expenses, turn
over, capital formation. Usually the principa activities carried on in an establishment fal within a single heading of the classiffica (e.g. steel making or sugar refining). Typlcall
the establishment embraces all the activities carried on at a single address e.g. a farm, a mine
or a factory, including those which are ancillar or a factory, including those which are ancillar
to the principal activities. Frequently distinc to the principal activities. Frequently distinc
activities characteristic of different industries
are carried on at one address, but normally thes are carried on at one address, but normally thes
are not classifled are not classiffed separately and
establishment is classified according activity. If, however, the required range of dat can be provided for each activity, each is take to constitute a separate establishment. Somet ime
activities which are conducted as Where this is so, businesses are asked to provi
the the full range of separate information in respect
of each address; whether or not the activitles ar of each address; whether or not the activities ar
different. Thir activities may, however,
interan integrated to such an extent that they constitut a single establishment. In the latter case th
establishment is defined to cover the combin establi
activit
units).
 unit in order to compile regional tables. to ensure made by the Business Statistics 0 to ensure, by negotiating with respondents, local units or addresses in more than one of the countries of the UUlited Kingdor.e
Further Information about the statistical appeared in an article "The statistical unit
business inquiries" In Statistical News business inquiries" In Statistical News No. 13 Mar
1971. Establishments are asked to exclude from thel
returns particulars relating to any department no engaged in production e.g. merchanting, transpor warehousing, for which they keep a separate
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 separa
accounts are not kept they are asked to inclu accounts are not kept they are asked to Incluce
detalls of al these activities in their return.
Particulars relating to head offices manly Particulars relating to head offices ma
engaged in the administration of the produc engaged in the administration of the producti
units with in the scope of the census wer included. Where more than of treturn was made $\dagger$ information in respect of the head office
apportioned among them. apportioned among them.
for certain purposes in the annual censuses
roduction (especially the enterprise analyses of are combined. For these purposes an enterprise group may be defined as a business an ensisting of of ither a single establishment or two or more
astabl ishments under common ownership or control bringing together establi ishments into enterprlse
troups also necessary for the purpose of groups is also necessary for the purpose of
ensuring that there will be no disclosure of the
the antios of any one enterprise group ectivities of any one enterprise group.
ntormation about the relationship of stabl ishments, the changing structure of groups
of compan les and about common ownership links is
otained from many sources, including the stock obtained from many sources, including the stock
xanange Year Book, company, reports, press reports xxchange Year Book, company reports, press reports
and information supplied by Individual establish-

HHE REGISTER
e register permits a questionnaire to be sent irect to the reporting establishment on which
he latter can include information relating to all
he manufacturing (or local) units which it he manufa.
compr ises.
he inquir 1
en
or keeping provide a major source of information nd act as a check on its detail and structure. or the establishments on the register making
oturns to the quarterly inquiries, the industrial lassification is derived from an analysis of their sales of commodities and is reviewed annually. Imployment data are entered on the register from
eeturns to the annual census of production. In
cases where an establ ishment cases where an establishment does not make a return
these Inquir ies the employment data are based on Intormation provided by the Department of based on
Imploynent from the annual censuses of employment.
stablishments with 20 or more employees are
included in the censuses each year and the informstablishments with
nol inted the censuses each yore employees are the inform-
otion they supply to the census is supplemented by tion they supply to the census is supplemented by
the returns that those with 25 or more emp oyees rovide to the quarter wh inquirise. more employees
Information
romet bout establishments with fewer than 20 employees
$n$ most industries is less securely based, but Increasing use has been made of data on these
mall establishments suppl led by the Department of
Employment. One benefit of using this information Imployment. One benetit of using this information mal ler establ Ishments and enterprises, but there
s $11+t \mid e$ effect on other aggregates (e.g. employis lithe output, net capital expenditure).
nent,
overage
return
return was required in the 1976 Census from each stablishment with 20 or more employes. Each
is classified to an industry, as ofined in the SIC, whose principal products
the major part of the estabilishment's sales.
egions.
he regions defined in Table 5 take account of the
oundary changes arising out of the Local
overnment Act 1972 and the Local Government Act
Scot scotland) 1973. These changes came into effect in pril 1974
cotland.
RMS USED IN THE CENSUS REPORT
verage number employed
stabl Ishments were requir
persons on were required to state the number ar of return, whether on average during the
(a) administrative, technical and clerical
(b) emp loyees
orages could be calculated from the figures lating to the last wek of each calendar month.
tabilishments were also required to state the
number of working ingrietors where appropriate
and these are included in total emp loyment
 establishments who worked in the ir own homes etc.
on materials supplied by the establishment) are on materials supplied by the establishment) are
excluded. The figures include persons engaged on merchanting or factoring and canteen workers where
particulars in particulars in respect of these activities could
not be excluded from the return. Working proprietors
These include all persons regarded as "self-
employed" for employed for natlonal insurance purposes and business without recelving a wage or salary; but
such persons such persons who worked less than half the normal
number of working hours are excluded. Directors number of working hours are excluded. Directors
working in the business but not in recelpt of a
definite wage, salary definite wage, salary or commission are included
under this heading: directors paid by fee only are under this heading: directors paid by fee only are
not included. Emp loyees
Administrative, technical and clerical employees include directors in receipt of a definite wage,
salary or commission, managers, superintendents and works foremen; research and design employees
(other than operatives); draughtsmen, editorlai staff, advertising staff, travellers and all office employees.
Operatives include all other classes of employees Operatives include all other classes of employees,
that is, broadly speaking, all manual wage earners. They include operatives employed in
power stations, transport ${ }^{\text {ond }}$ (including roundsmen), warehouses, stores, shops and canteens inspectors, maintenance workers and cleaners,
Operatives engaged in outside work of erecting, Operatives engaged in outside work of erecting,
fitting etc. are also included, but outworkers
are excluded. are excl uded.

## Capital expenditure

Capital expenditure during the year in respect of manufacturing. units where production had not
started before the end of the year is included.
Establishments Establishments were asked not to deduct from th
value of capital expenditure amounts recelved or expected to be received in arants or allowances from the Government or any statutory body or local
author ity. Establishments with 100 or more authority. Establishments with 100 or more
employees were asked to Include a total net emplayees were asked to include a total net (a) New building work

This represents the cost incurred during the year
of new building and other constructional work to be used in connection with constructional work to the return. The value is that charged to capita
account during the year of return; it include account during the year of return; it expension or reconstruction of old bulldings, the value of
works of a capital nature carried out by the works of a capital nature carried out by the
establishment's own staff and the cost of any newly constructed buildings purchased. Figures
nhown include legal charges, shown include legal charges, stamp duties, agents
commissions, etc.
(b) Land and existing buildings

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable
for leaseholds acquired (excluding the value of for easeholds acquired aking over an existing business), and the amounts recelvable for freeholds or leaseholds disposed of The value is
that charged to capital account during the year of (c) Plant, machinery and vehicles The items shown are the value of plant and
machinery and of vehicles acquired, both new and machinery and of vehicles acquired, both new and
second-hand, and the amount recelivel disposed of during the year. The value of titems
firms produced for their own use in connection with
the business covered by the return. The value of plant, etc. acquired is the expenditure charged to discounts recelved, but including the cost of transport and instailation. DDeductible value added
tax is excluded but non-deductible value added tax tax is excluded but non-deductible value added tax
on motor cars acquired is included. No deduction is made for depreclation, amortization or obsolescence. The proceeds of amortization or obsoles-
the year exclude amounts written-off for during the year
scrapped.
Cost of industrial services
Thls includes amounts payable to other firms for
work done on materials supplied by the work done on materials supplied by the establish-
ment, payments for repairs and maintenance
(including those (including those in respect of rented maintenance
and ldings)
and amounts pald to other firms for contracts and amounts pald to other firms for contracts which
have been sublet. Payments to outworkers are
excluded. excluded.
Cost of non-industrial services
This includes rent of industrial and commercial busurance hire of plant and machinery, commercial
Ins, bank charges and amounts pald for professional services, post office services,
transport, advertising otc. royalties for the right to use patents, trademarks, copyrights etc ", manufacturing and quarrying rights
and technical nknow-how" are also included.
Gross output
In the calcu
total sales and work done is increased by the rise (or reduced by the fane il during the year in the
value of work in progress and goods on hand for sale.
Net output
Net outpu
Net output, 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 the fall during the year of stocks of materials
etc.) and the cost of industrial services recelved, and where applicable, dutles etc.
Net output per head
The figures of net output per head are derived by
dividing the net output by the average persons employed output by the average number of activities covered by the returns, including operatives, administrative, technical and clerical
employees and working proprietors, but excluding
outworkers.

Gross value added at factor cost
Gross value added at factor cost
deducting from net output the calculated by industrial services le.g. rent of buildings, hire
of plant and macher premiums, bank machinery, commercial insurance professional $\begin{aligned} & \text { services, } \\ & \text { transport and advertising), rast rates office sercluding water }\end{aligned}$ servicos, transport and advertising), rates (excluding water
rates) and the cost of licensing motor vehicles. rates) and the cost of licensing motor vehicles.
This estimate of gross value added approaches more closely than census net output to the definltion
of net output or value added in national accounts of net outp
statistics.

Gross value added at factor cost per head
The flgures of gross value added at factor
head are derived by dividing the at factor cost per by are derived by dividing the gross value added by the average number of persons employed (full and
part-time) on all activities covered by the teturns, including operatives, administrative, technical and clerical employees and working
proprietors, but excluding outworkers. Purchases
Purchases Include the cost of raw materials
components, semi-manufactured goods and workshe
mater lals; of replacement parts and consumat tools not charged to capltal account; of packagh materlals of all types; of stationery and printe
matter; of fuel, electricity and waty materlals to be used by the establishment or ; out to other establishments for the production IIshment's own use; of materials for use by ita establishment when working on goods for use by then tied customers; and of food, etc. for any cante
covered by the of table of goods to the establishment from another depar ment of the same firm not covered by t establishment's return are included at a a
corresponding to the estimated selling val corresponding to the estimated selling val
recorded by the other department. Amounts payab
to transport firms or credited to transport firms or credited to Amounts payab
transport department for dirm's on transport department for dellivery of materitals a
excluded, as are all purchases of machinery excluded, as are all purchases of machinery
plant charged to capital account. goods for merchanting or factoring purchases collected separately since 1973 . The values be exclude VAT. They include, in addition to actual purchase price, the value of packagl
material charged to the establishment of returned goods or packaging material returne o suppliers and any trade discounts are exclurn Materials purchased duty-paid are included at
duty-paid value, less any drawback, rebate, The cost of transport is included only if ncluded with the purchase price in the
Imported goods are included accounts. Imported goods are included at the
full divelivered cost. If in the firm's accounts transport from docks or airport is not included the cost of goods purchased, the cost is entered c.1.f. plus duty (if app I icable). Leasing, rentin

Sales of goods produced
Sales for the purposes of the annual censuse ishments in the United of gingoods made by estab
interer by the inquiry. Sates of goods made for these estab
IIshments by outworkers or from materials given out to them antablishmen
them and waste products are included. them and sales
and machinery or other caplital
Items produg wor and machinery or other capital items produced
establishments for hiring out or leasing ar
regarded as sales, the establishments for hiring out or leasing ar
regarded as sales, the value included in the
return being that adopted in the establishments return being that adopted in the establishments
capital asset accounts. Forward sales and cantee takings are excluded. Al sales in the per iod
the inquiry are included Irrespective of when goods were manufactured. Goods produced in on
establishment and transferred either to anclllar departments not engaged in production for whic
there are separate accounts or establishment of the same firm not covered by the return, are treated as sales by the producln
establishment and valued as far as possible as establishment and valued as far as possible as
they had been sold to an independent purchaser Goods transferred to wholesale or retall selling organisations, for which separate retall sellinh accounts ar
kept are valued on the same basis. kept are valued on the same basis.
The value shown for sales is the "net sellin
 added tox) charged to customers whether on
ex-works or delivered basis, after any trad ex-works or delivered, basis, after any trad
discounts and agents, commissions have bee deducter. The cost of packing materials allowance for returnable cases is mater included
Industries where products atract Industries where products attract Exclse Duty t vaty-pald and exclusive of duty if sold in bond
duty exported.
Work done and industrial services rendered Figures for work done represent the amount charge
for work carrled out on materlals supplied by

Industries this heading covers a wide varlety of activilies, for example, within the food sector -
itter packed on commission; within the textile outter packed on commission; within the textile
ndustr es d textile finishing; within printing and pubishing - preparatory work on type-setting, block
aking and binding. Work done Is also significant
the electrical machinery and heavy engineering intustries, colevering erection, installation and
ind epalr and jobbing work. Other activities within
hals heading include exploration work, research and
of timberial services rendered include repairs and ndustria services rendered include repairs and
Instal latition work, and technical
pital goots rosucod tor setabilshmants's. om uso
 gut durling the year by
staff for their own use.
on-industrial services rendered
his includes rents received
ins includes rents received for commercial and
dustrial bulldings, amounts charged for hiring sut plant, machingry, and other chargeds for homping charged to other organisations for the provision of
transport. It also includes amounts received for ansport. to use patents, trademarks, copyr ights etc., manufacturing and quarrying rights and tech-
tical "know-how" and revenue from such staff hlcal "know-how" and
facllities as canteens.
soods merchanted or factored
lerchanted goods are those (excluding canteen
ales) sold without having been subjected to any ales) sold without having been subd
nanufacturing process by the seller.
stocks and work in progress
talues are given of stock
values are given of stocks of goods on hand for ale and of materlals, stores and fuel, at the end
ot the year of return and of the change during the
 lefined as materlals which have been partially usually sold or transferred to another estab-
lishment without further processing. The values ishment without further processing. The values
Include the cost of materials consumed and labour ised, together with a margin of overhead costs and
Progress payments profits. Progress payments made to sub-
contractors are excluded and progress payments recel ved
deducted.
lages and salarles
These are amounts pald during the year to
operatives and to administrative, technical and cler Ical employees. called Payments to working
propr litors, whether car tor or not, are oxcluded. The values shown include all overtime
payments, bonuses and commissions, whether paid payments, bonuses and commissions, whether paid
regularly or not, and no deduction is made for
income tax, insurances, contributory penslons etc. The value of redundancy payments less any amounts The value of any payments in kind, travelling
expenses etc. Is excluded.
Remuneration paid to outworkers
The remunerat lon pald to outworkers (1.e. persons
omployed by the establishment who do their work in mployed by the establishment who do their work in
the ir own homes) is generally on a plece-work their own homes) is generally on a plece-work
basis. Only amounts pald to outworkers whose names
Ont appear on the establishment's payroll are included.
Amounts pald to outworkers by sub-contractors are Amounts pa
excluded.

Employers' Insurance and wel fare contributions
Thls Item Includes employers contr butlons to
natlonal insurance and graduated pensions (and/or national insurance and graduated pensions (and/or
日arnings related basic contributions under the

Soclal Security Act, 1973) as well as commercial Insurance premlums to provide pensions, super-
 benefits, death benefits for employees. or former
or employees or thir dependants. Contributions to
the running costs of canteens, social centres, the running costs of canteens, soclal contres, chidren's and hol iday homes, etc. for employees,
former employees and their dependants are also included.
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