## PA482.1

## Business Monitor

A publication of the Government Statistical Service

# Report on the Census of Production 

Cardboard boxes, cartons and fibre-board packing cases


Department of Industry

## Special Note for Purchasers

Commencing with the 1971 Census, the Census of Production reports are being numbered in a uniform series embracing all industrial inquiries in the Business Monitor series. These Business Monitors have a code (for production) followed first by A (indicating that it is an annual series) or Q (quarterly) or M (monthly) and then by a number indicating the minimum list heading, or sub-division of a minimum list heading, of
the Standard Industrial Classification (revised 1968).

The Census of Production (PA) reports are availabl The Census of Production (PA) reports are availa
on standing order (details on application to Her Majesty's Stationery Office, P.O. Box 569, London ot included in the global subscription arrangements for the Business Monitor series.
Government Statistical Service
A service of statistical information and advice is provided to the Government by specialist staffs
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Departments. Statistics are made generally avail
through their publications and further information and advice on them can be obtained from the Departments concerned.

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Report on the Census of Production 1973

Cardboard boxes, cartons and fibre-board packing cases

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)

## Department of Industry

Business Statistics Office

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|  | Scientific and industrial instruments and systems | PA492 | Linoleum, plastics floor-covering, leathercloth, etc. |
| ${ }_{\text {PAB636 }}$ | Electrical machinery | PA493 | Brushes and brooms |
| PA363 T | Telegraph and telephone apparatus and equip- | PAA94.1 | Toys, games and children's carriages |
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|  | Radio., radar and electrenic capital goods | 603 | Water suppl |
| PA368 E | Electrical appliances primarily for domestic use | PA1002 S | Summary tables |

Output and costs, 1970, 1971, 1972 and 1973
All United Kingdom establishments classified to the industry (a)

|  | Unit | 1970 | 1971 | 1972 | 1973 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Enterorises | Number | 504 | 495 | 488 | 475 |
| Establishments | , | 595 | 617 | 612 | 595 |
| Sales of goods produced, work done and industrial services rendered (b) | $\varepsilon^{\prime} 0007$ |  |  |  | $\int 479,403$ |
| Capital goods produced for establishments' own use (c) | . $\}$ | 330,768 | 360,634 | 398,882 | $695$ |
| Non-industrial services rendered (d) | . ${ }^{\text {d }}$ |  |  |  | 2,006 |
| Goods merchanted or factored | . | 9,609 | 9,600 | 11,458 | 12,427 |
| Total sales and work done (b) (d) | " | 340,377 | 370,234 | 410,340 | 494,531 |
| Increase during the year, work in progress and goods on hand for sale | " | 830 | 643 | 2,163 | 6,265 |
| Gross output (b) (d) |  | 341,206 | 370,877 | 412,503 | 500,796 |
| Purchases of materials for use in production, and packaging and fuel (c |  |  |  |  | $\{270,396$ |
| Purchases of goods for merchanting or factoring (c) |  | 193,607 | 207.265 | 226,052 | $\{10.860$ |
| Increase during the year, stocks of materials, stores and fuel | " | 609 | - 618 | 3.016 | 10,931 |
| Cost of industrial services received (e) | , | 2,360 | 3,064 | 4.813 | 10,007 |
| Net output (f) | . | 145,849 | 159,930 | 184,652 | 220,464 |
| Total employment (g) | Thousands | 68.3 | 68.9 | 67.9 | 69.1 |
| Net output per head ( $f$ ) | £ | 2,135 | 2,321 | 2,719 | 3,192 |
| Payments for non-industrial services ( h ) |  |  |  |  |  |
| Rents, hire of plant, machinery and vehicles <br> Commercial insurance premiums | $£^{\prime} 000$ |  |  |  | [ $\begin{aligned} & 3,750 \\ & 2,146\end{aligned}$ |
| Bank charges | , |  |  |  | 208 |
| Other non-industrial services | " |  | . |  | 15,739 |
| Licensing of motor vehicles ( j ) | " |  |  |  | 290 |
| Rates, excluding water rates (i) | . |  |  |  | 4.092 |
| Gross value added at factor cost | " |  |  |  | 194,239 |
| Gross value added at factor cost per head | .. |  |  |  | $2,812$ |

(a) For 1973, est imates for establishments not making satisfactory returns and for establishments employ ing less than 20 persons For 1973 , est mates for establishments not making satisfactory returns and for establishments employing less than 20 persons
accounted for 14 per cent of the total figures in which they were incorporated: of this unsatisfactory returns accounted for 10
per cent. per cent.
(b) The figures for 1970-1972 do not include receipts for repairs and maintenance.
(c) Not recorded separately for 1970-1972
(d) The figures for 1970-1972 do not include revenue trom rents for industrial buildings.
(e) The figures for 1970-1972 exclude the amounts payable for repairs and maintenance.
(f) The definition of net output used in previous census reports provided for the deduction of amounts payable to other organ isations for transport of goods within the United Kingdom. The

Not collected for 1970-1972 except for amounts payable to other organisations for transport of goods within the United Kingdom. Not collected for 1970-1972.

TABLE 2
PA482. 13
Capital expenditure, 1970, 1971, 1972 and 1973
All United Kingdom establishments classified to the industry (a) (b)

|  | £'000 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1970 | 1971 | 1972 | 1973 |
| Land and buildings |  |  |  |  |
| New building work | 4.075 | 3,277 | 2,172 | 2,901 |
| Land and existing buildings |  |  |  |  |
| Acquisitions | 1,764 | 590 | 1,888 | 550 |
| Disposals | 973 | 2,874 | 728 | 559 |
| Vehicles |  |  |  |  |
| Acquisitions |  |  |  |  |
| Motor cars (c) | 1,311 | 1,777 | 1,774 | 1,344 |
| Other vehicles (c) |  |  |  | 427 |
| Disposals |  |  |  |  |
| Motor cars (c) | 499 | 573 | 618 | 651 |
| Other vehicles (c) |  |  |  | 58 |
| Plant and machinery |  |  |  |  |
| Acquisitions | 10,954 | 12,623 | 11,279 | 13.798 |
| Disposals | 689 | 643 | 659 | 712 |
| Total net capital expenditure (d) | 15,943 | 14,178 | 15,109 | 17,040 |

(a) Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.
(b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the
(c) Not recorded separately for 1970-1972
(d) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
table 3
Stocks and work in progress, 1970, 1971, 1972 and 1973
All United Kingdom establishments classified to the industry (a)

(a) Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.

Analysis of establishments by size, 1973
All United Kingdom establishments classified to the industry (a)

| $\begin{aligned} & \text { Size } \\ & \text { group } \\ & \text { (b) } \end{aligned}$ | $\begin{gathered} \text { Listab- } \\ \text { list- } \\ \text { lish } \\ \text { ments } \end{gathered}$ | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \\ & \text { (c) } \end{aligned}$ | Employment |  |  | Wages and salaries (e) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { Total } \\ & \text { (b) } \end{aligned}$ | Opera-tives | Others(d) | Operatives |  | Others (d) |  |
|  |  |  |  |  |  | Total | $\begin{aligned} & \text { per } \\ & \text { head } \end{aligned}$ | Total | per head |
|  | Number | Number | Number | Number | Number | £'000 | £ | £'00 |  |

$\left.\begin{array}{rrrr}\begin{array}{r}1-10\end{array} & 143 & 141 & 840 \\ 11-19 & 97 & 92 & 1,423 \\ 20-49 & 106 & 106 & 3,428 \\ 50-99 & 82 & 74 & 5,762\end{array}\right\}$

| Total | 595 | 475 | 69,074 | 54,588 | 14,092 | 84,926 | 1,556 | 28,348 | 2,012 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(a) Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.
(b) Average number employed (full and part-time: see table 7 ) during the year (including working proprietors) by the establishment.
(c) Some enterprises control establishments in more than one size group: the sum of the figures for the size groups therefore exceeds the total for the industry
(d) Administrative, technical and clerical employees.

| $\begin{aligned} & \text { Total sales } \\ & \text { and work } \\ & \text { done ( } f \text { ) } \end{aligned}$ | Gross output | Net output |  | Gross value added at factor cost |  | Net capita expenditure (g) | Total stocks and work end of year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | per head | Total | per head |  |  |
| $£^{\prime} 000$ | $£^{\prime} 000$ | $£^{\prime} 000$ | £ | £'000 | £ | $£^{\prime} 000$ | $£^{\prime} 000$ |
| 61,584 | 62.114 | 29,162 | 2,546 | (h) | (h) | 2,251 | 7.422 |
| 55,535 | 56,116 | 25,073 | 2,688 | 47,570(h) | 2,289(h) | 2,243 | 8.114 |
| 65,829 | 66,618 | 28,109 | 3,310 | 24,265 | 2,858 | 1.874 | 9,408 |
| 25,820 | 26,073 | 11,279 | 4.047 | 10,201 | 3,660 | 376 | 2,737 |
| 66.470 | 67,323 | 29,353 | 3,425 | 25,886 | 3,021 | 2,206 | 9,096 |
| 114.750 | 116.158 | 50,839 | 3,528 | 44,718 | 3,103 | 4.111 | 16,650 |
| 27,357 | 28,207 | 12,146 | 3.529 | 10,626 | 3.087 | 949 | 5,449 |
| 77.187 | 78,188 | 34,501 | 3,257 | 30,973 | 2,924 | 3,030 | 12,678 |


| 494,531 | 500,796 | 220,464 | 3,192 | 194,239 | 2,812 | 17,040 | 71,554 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(e) Another important component of labour costs, employers' national insurance contributions, graduated pensions, contributions to
other pensions and welfare schemes and the running costs of canteens, is estimated for the industry at $£ 11,299$ thousand. In add ition for 1973 the remuneration of outworkers on returns received was $£ 111$ thousand.
Corives and (including capital gowls manufactured, build ings constructed by establishments for their own use), Comprises sales of goods produced linclud ing capital govus manufactured, buildings const
work done, industrial and non-industrial services rendered, goods merchanted or factored.
(9) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery
(h) Gross value added data relates to establishments employing 1-199 persons

Regional distribution of employment, net capital expenditure and net output, 1973
All United Kingdom establishments classified to the industry (a)

| Area | Employment (b) |  | Net capital expenditure (c) |  |  |  | Net output and employment in the region of establishments with more than 80 per cent of their employment in the region (e) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total (c) |  | Land and existing (d) | $\begin{aligned} & \text { Other } \\ & \text { (d) } \end{aligned}$ | Estimated net output | Average number employed as a percentage of total average number employed in the industry in the region | Net output <br> as a percent <br> age of tot of the industry in <br> Kingdom |
|  | Thousands | per cent of United Kingdom | £'000 $^{\prime}$ | per cent of United Kingdom | $£^{\prime} 000$ | $£^{\prime} 000$ | £'000 |  |  |


| Standard regions of England |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| North | 2.9 | 4.2 | 829 | 4.8 |  | 829 | 10,022 | 94.4 | 4.6 |
| Yorkshire and <br> Humberside | 5.4 | 7.9 | 1,465 | 8.6 | 22 | 1.443 | 14,268 | 96.3 | 6.5 |
| East Midiands | 6.2 | 8.9 | 1,955 | 11.5 | 14 | 1,941 | 13,774 | 76.8 | 6.2 |
| East Anglia | 1.7 | 2.4 | 499 | 2.9 | * | * | 5,314 | 87.6 | 2.4 |
| South East | 17.2 | 24.9 | 4.124 | 24.2 | * | * | 51,404 | 79.4 | 23.3 |
| South West | 7.5 | 10.8 | 2,054 | 12.1 | 4 | 2.049 | 22,641 | 93.6 | 10.3 |
| West Midands | 5.0 | 7.2 | 950 | 5.6 | 54 | 896 | 10,389 | 83.1 | 4.7 |
| North West | 14.7 | 21.2 | 3.231 | 19.0 | * | * | 40,395 | 89.6 | 18.3 |
| England | 60.4 | 87.5 | 15,106 | 88.7 | * | * | 168,205 | 86.1 | 76.3 |
| Wales | 1.8 | 2.6 | 584 | 3.4 | 8 | 576 | 5,541 | 91.3 | 2.5 |
| Scotland | 5.4 | 7.8 | 970 | 5.7 | 3 | 968 | 13,162 | 72.7 | 6.0 |
| Great Britain | 67.6 | 97.9 | 16,661 | 97.8 | * | * | 186,908 | 85.2 | 84.8 |
| Northern Ireland | 1.5 | 2.1 | 379 | 2.2 | * | * | 3,809 | 90.9 | 1.7 |
| Unallocated (a) (f) |  | - | - | - | - | - | 29.746 |  | 13.5 |
| United Kingdom | 69.1 | 100.0 | 17,040 | 100.0 | -8 | 17,048 | 220,464 |  | 100.0 |

[^0](b) Average number employed (full and part-time; see table 7 ) during the year (including working proprietors).
(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
(d) Acquisitions less disposals.
(e) Where a census return covered addresses in two or more regions an estimate was made of the net output 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 at each address covered by a return was proportionate to employment at the address. The establishment's residual net output was included in unallocated net output.
(f) Includes unallocated net output of establishments covering addresses in two or more regions.

Sales of principal products of the industry by establishments employing 25 or more persons, including sales by establishments classified to
other industries, 1973 (a)

Rigid boxes lincluding composite boxes of board and other materialsland any fitments)
Covered

Other

Cartons (including composite cartons of board and other materials and any fitments)

Solid

Unclassified sales

Notes
These notes give the main information needed for inter-
preting the figures in the industry Business Monitors: more preting information about the census is given in a separate Business Monitor - PA1001 (Introductory Notes) of the Report on the Census of Production, 1973.

GENERAL INFORMATION
Changes made for 1973
Changes made for 1973
The Census for 1973 was the first to be modified to bring it into line with similar inquiries being conducted in other member countries of the European Economic Communities
One modification has made possible the publication for th One modification has made possible the publication for the
first time in the Annual Censuses of data on a number of tirst titional items. These include:
Capital goods purchased for establishments' own use
(previously included with sales of goods produced etc) (previously included with sales of goods produced etc.)
Purchases of goods for merchanting or factoring (pre viously included with purchases of materials etc.)
Payments for non-industrial services
Payments for non-industrial servic
Licensing of motor vehicles
Licensing of motor vehicles
Rates, excluding water rates
Gross value added
Gross value added
Amounts paid to outworkers (where applicable)
Employers' national insurance contributions etc.
Suppression of information relating to individual undertak Suppre
ings.
The Sta
he Statistics of Trade Act 1947 provides that - "No individual estimates or returns, and no information relating to an
individual undertaking obtained under the foregoing proindividual undertaking obtained under the foregoing pro-
visions of this Act, shall, without the previous consent in visions of this Act, shall, without the previous consent in
writing of the person carrying on the undertaking which is the writing of the person carrying on the undertaking which is the
subject of the estimates, returns or information, be disclosed except--
(a) in accordance with directions given by the Minister in charge of the government department in possession of the estimates, returns or information to a government depart-
ment or to the Import Duties Advisory Committee for the ment or to the Import Duties Advisory Committee for the
purposes of the exercise by that department or committee of any of their functions; of
(b) for the purposes of any proceedings for an offence under If a figure involved disclosure the contribs.
metimes ask the contributor concerned was majority of cases this permission was given but when it was majority of cases this permission was given but when it was
refused and in cases where the contributors were not approached the figure has been suppressed, sometimes by com bining it in some way with other figures, but sometimes in the regional
The following symbols are used throughout the PA series of Business Monitors
nil or less than half the final digit show

* figures cannot be shown owing to the risk of disclosing information about individual enterprises
revised
Rounding of figures
Figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be an apparent
slight discrepancy between a sum of constituent items and a total shown.

The United Kingdom S
The United Kingdom Standard Industrial Classification (SIC)
was first issued in 1948 and was subserenty was first issued in 1948 and was subsequently revised in 1958
and 1968 . It exists to promote uniformity and comparability in the official statistics of the United Kingdom. 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 of industry and trade as it exists in the United Kingdom. The SIC is a classification by activity and is not a commodity classification. However, an
index of all commodity headings for which sales data are provided in the Quarterly Business Monitors is published as P01000 in the Business Monitor Series.
The SIC is revised every 10 years or so and is to be revised to
bring it more closely into line with the General Industria Classification of Economic Activities within the European
Communities (N) Communities (NACE).

Statistical unit
The statistical unit for the purpose of the Census is the which can provide the efined in the SIC as the smallest uni economic consus the information normally required for an turnover, capital formation. Usually the princinal expenses, carried on in an establishment fall within a single heading of the classification (e.g. steel making or sugar refining). Typi cally 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 ancillary to the principal activities. Frequently distinct activities characteristic of different industries are
carried on at one address, but normally these are not classicarried on at one address, but normally these are not classi-
fied separately and the whole establishment is classified fied separately and the whole establishment is classified
according to the main activity. If, however, the required range of data can be provided for each activity, each is taken to which are conducted as a single business are carried on at a number of addresses. Where this is so, businesses are asked to providd the full range of separate information in respect of each address, whether or not the activities are different. Thei
activities may, however, be integrated to such an extent tha they constitute a single establishment. In that case the estab
lishment is defined to cover the combined activities at the lishment is defined to cover the combined activities at these
addresses (termed local units). Separate figures are obtained addresses (termed local units). Separate figures are obtained,
however, of employment and net capital expenditure at each
Unit. Efforts are made by the Business Statistics Office to ensure Efforts are made by the Business Statistics Office to ensure,
by negotiating with respondents, that the return from an establishment does not cover local units on addresses in more than one of the countries of the United Kingdom Further information about the statistical unit appeared in an
article "The statistical unit in business inquiries" in Statistical article "The statisticalun.
News No. 13 May 1971.
Establishments are asked to exclude from their returns parti-
culars relating to any department culars relating to any department not engaged in production e.g. merchanting, transport, warehosing, for which they
keep a separate set of accounts. Transfers of goods produced to such departments are treated as sales and respondents are
asked to value them as far as possible as if sold to asked to value them as far as possible as if sold to an
independent purchaser. Where separate accounts are not kept they are asked to include details of all these activities in their return.
Particulars
Particulars relating to head offices, which were mainly
engaged in the administrais engaged in the administration of the production units within the scope of the census were included. Where more than one
return was made the information in respect of the head office was apportioned among them
For certain purposes in the
Yor certain purposes in the annual censuses of production
lespecially the enterprise analyses of Business Monitor PA 1002) related establishments are combuined For these pur poses an enterprise group is defined as a business consisting
of eithe of either a single establishment, or of two or more establish-
ments under common ownership or ments under common ownersship or control. The bringing
together of establishments into enterprise groups is also together of establishments into enterprise groups is also
necessary for the purpose of ensuring that there will be no disclosure of the activities of any one enterprise group. Information about the relationship of establishments, the 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 information supplied by individual establishpress re

## THE REGISTER

The register permits a questionnaire to be sent direct to the reporting establishment on which the latter can include infor-
mation relating to all the manufacturing (or local) units which it comprises.
The inquiries provide a major source of information for keep-
ing the register cont ing the register continuously up-to-date and act as a check
on its detail and structure. For the establishments on the register which make returns to the quarterly inquiries, the industrial classification is derived from an analysis of their
sales of commodities and is reviewed annually. Employment data is 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 is not make a return to these inquiries the employment data is
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 suply to the

Census is supplemented by the returns that those of them
with 25 or more emplovees provide to the ta
 use has been made of data on these small establishments
supplied by the Department of Employment. One benefit of using this information is an improvement in the estimates of the number of smaller estabishments and enterprises, but
there is little effect on other agoregates le.g. employment. there it intelle effect on onther as
output, net capital expenditure).
Coverage
A return was required in the 1973 Census from each estabclassified to an industry, as defined in the sic, whose prin. cipal products form the maior part of the establisenment sales.
The regions defined in Table 5 do not take account of the boundary changes arising out of the Local Government Act
1972 and the Local Government Act (Scotland) 1973. As these oundary changes sid not come into effect until April
1974 in Engalad a and Wale Irg4i in England and Wales and in May 1975 in scotand, the
red tor these analyses are consistent with bound aries which existed in 1973
terms used in the census report
 on the payroll li.e. whose national insurance cards were held
by them/ on the average during the year of return tull-tim or part-time employees. Sepearate figures were re
cuired for
(b) all other employeeses (operatives)

Averages could be calculuted from the figures relating to the
last week of each calendar month. Estabishments were also last wied of each calenarar moni. Ltabishmments were also
required to state the number of working proorietors where appropriate and these are included in total emplowment
figures. Outworkers li.e. persons employed by estabish-
 include persons engaged on merchanting or factoring and
canteen workers where particulars in respect of these activicanteen workers where particulars in respe
ties could not te excludded from the erturn.

Working proporietors
These include all persons regarded as. "self-emploved" for
national insurance purposes and members of thei ftamiies salary; but such persons whes without receiving a wage o
 Working in the business but not in receipt tof a definite wage salary or commission are included und
directors paid by fee only are not included.

## Emplovees

Administrative, technical and clerical employees include directors in receipt of a definite wage, salalry or cosminission,
managers,
superintendents
and
works foremen:
 ediovees
Operative
Oper
Operatives include all other classes of employes, that is,
broadly speaking, all manual wage earners. They include operatives employed in power stations, transport lincluding roundsmen), warehouses, stores, shops and catieens,
inspectors, maintenance workers and cleaners. Oeratives engaged in outside work of erecting, fitting etc. are also engluged but outworkers are excluded.
ind

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 in the figures for 1970 to 1973 Establishments were asked not to deduct from the value of capital expenditure amounts received or expected to be
received in grants or allowan stated in grants or allowances from the Government or any
statory body or local authority. Establishments with 100 or statutory body or local authority. Establishments with 100 or
more employees were also asked to include a total net capital
expenditure figure for the calendar year 1973 .
(a) New building wo

This represents the cost incurred during the year of new ction with the business coverion work to be used in conne that charged to capital account during the year of return is includes expenditure on new buildings or on the extension or
reconstruction of neconstruction of old buidlings, the value of works of a capita nature carried out by the establishment's own staff and the cost of any newly constructed buildings purchased. Figures
shown include any legal charges, stamp duties, agents commissions, etc.
(b) Land and existing buildings

The items shown are the capital cost of freeholds purchased and the capital cost of premium payable for puasehold acquired lexcluding the value of any assets acquired in taking
over an existing business) and the amounts over an existing business), and the amounts receivable for
any freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.
(c) Plant, machinery and vehicles
vehicles acquired are the value of plant and machinery and of amount received for items disposed second-hand, and the amount received for items disposed of during the year. The
value of plant and machinery acquired includes plant eta which 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 capital account during acquired is the expenditure charged to capital account durin
the year of return less any discounts received, but includin the cost of transport and installations. Deductabled e value added tax is excluded but non-deductable value added tax on moto cars acquired is included. No deduction is made for depre
ciation, amortization or obsolescence. The proceeds of item disposed of during the year exclude amounts written-off for
items scrapped. items scrapp

Gross output
In the calculat
In the calculation of gross output the value of total sales and work done is increased by the rise (or reduced by the fall
during the year in the value of work in progress and goods on hand for sale.

Net 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 stock
of materials etc.) and the cost of industrial services received and - where applicable - duties etc.

Net output per head
The figures of net
the net output by the average number of perived by dividing (full and part-time) on all activities covered by the returns including operatives, administrative, technical and clerical
workers and working proprietors, but excluding outworkers.
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 rent of
buildings and capital equipment, commercil miums, bank charges and amounts paid for pratession services, postal etc. services, transport, advertising etce.).This estimate of gross value added approaches more closely than census net output to the definition of net output or value aded 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 ctivities covered by the returns including operatives, administrative, technical and clerical employees and working pro netors, but excluding outworkers.

Purchases inlude the cost of ought for use in production; of fuel and electricity for all ble cases; of packaging materials inclu ding cost of returnmateriass; office materials and materials for repairs to estab-
mate shment's own buildings, plant and vehicles when carried onsumable tools; and of parts for machinery purchased
included. Purchases of goods for merchanting or factoring stomers for processing are excluded, as are all purchase charged to capital account. The values shown exclude value added tax out include any dury paid less rebate etc.), values roluded only if included in the cost of materials as invoice amounts paid to transport organisations, including an estab lishment's own separate transport organisations for delivery
of materials and fuel are, therefore, excluded. Materials pur of materials and fuel are, therefore, excluded. Materials pur
chased overseas are included at the c.if. cost plus any dut chased overseas are included at the c.i.f. cost plus any duty
payable if the cost of transport from the docks are no included in the invoiced price, but at their full delivery cost i
invoiced "carriage paid heme". Materials and fuel transinvoiced "carriage paid home". Materials and fuel trans-
ferred from another department of the establishment not covered by the same return are included at the estimated
seles of aots produced work dore and services
Sandes for the purposes of the annual censuses means de Sales for the purposes of the annual censuses means de-
liveries on sale of goods made by establishments in the
United Kingdom covered by the inquiry. Sales of goods nade for these establishments by outworkers or by establso are sales of waste products. Any new building work and also are sales of waste products. Any new building work and
machinery or other capital items produced by establishments for hiring out or leasing are regarded as sales, the value ments' capital asset accounts. Forward sales and canteen lakings are excluded. All sales in the period of the inquiry are cluded irrespective of when the goods were manufactured Goods produced in one establishment and transterred eithe
to ancillary departments not engaged in production and fo Which there are separate accounts, or to another estabreated as sales by the producing establishment and valued as ar as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling
valued on the same basis.
The value shown for sales is the "net selling value" defined
the amount (excluding value added tax) charged to as the amount (excluding value added tax) charged to
customers whether on an ex-works or delivered basis, after any trade discounts and agents' commissions have been
deducted. The cost of packing materials less allowance for deducted. The cost of packing materials less allowance for
returnable cases is included. In industries where products returnable cases is included. In industries where products
attract Excise Duty the value stated is usually inclusive of attract Excise Duty the value stated is usually inclusive of
duty if sold duty-paid and exclusive of duty if sold in bond or exported.
Figures for work done represent the amount charged for igures for work done represent the amount charged for
work carried out on materials supplied by a customer and work carried out on . Within certain industries this heading
include repair work.
covers a wide variety of activities. For example, within the covers a wide variety of activities. For example, within the
food sector - butter packed on commission, within the texwe industries - making up of garments, fur dressing and work on type-setting, block making and binding. Work done also significant in the electrical machinery and heavy engin and jobbing work. Other activities within this heading include exploration work, research and development, glass cutting
and dressing and planing of timber. Industrial services and dressing and planing of timber. Industrial services
rendered includes repairs and maintenance, installation work, and technical research and studies rendered to other organi-
sations.

This includes all work carried out during the year by the
establishments' own staff for their own use, which was of a capital nature.

Non-industrial services rendered
Includes rents received for
Includes rents received for commercial and industrial build ings, amounts charged for hiring out plant, machinery and
other goods and amounts charged to other organisations fo the provision of transport. Also includes amounts received for
the right to use patents, trademarks copyrights etc the right to use patents, trademarks, copyrights etc., manu
facturing and quarrying rights and technical "know-how" revenue from such staff facilities as canteens are also
included.

Goods merchanted or factored
Merchanted goods are those (excluding canteen sales) sold without havin
by the seller.

Stocks and work in progress
Values are given of stocks
Values are given of stocks of goods on hand for sale and of
materials, stores and fuel, at the end of the year of return and materias, stores and fuel, at the end of the year ocke of goods
of the ranage during the vear, including any stock
held for merchanting or factoring. Work in progress is defined held for merchanting or factoring. Work in progress is defined
as materials which have been partially processed by the as materials which have been partially processed by the
establishment but which are not usually sold or transferred to another establishment without further processing. The values include the cost of materials consumed and labour used,
together with a margin of overhead costs, and profits. Protogether with a margin of overeaca costs, ard profits.
gress payments progress payments received from other organisations are not

## Wages and salaries

These are amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to
working proprietors, whether called salaries or not, are exclu-
ded. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contri-
butory pensions, etc The value of any payments in kind butory pensions, etc. The value of any payments in kind, contributions to national insurances and pension schemes are
excluded. excluded.

Remuneration paid to outworker
The remuneration paid to outworkers (i.e. persons employed
by the establishment who do their work in their own homes) is generally on a piece-work basis. Only amounts paid to
outworkers whose names appear on the establishment's tay roll are included. Amounts paid to outworkers by subcontractors are excluded.

Employers' insurance and welfare contributions
This item includes employers' contributions to national insurance and graduated pensions as well as commercial
insurance premiums to provide pensions, superannuation or other retirement benefits, sickness benefits, personal acci-
dent benefits, disability or death benefits for employees or dormer employees or their dependants. Contributions to the former employees or their dependants. Contributions to the
running costs of canteens, social centres, children's holiday
homes, etc. for employees, former employees, and their homes, etc. for employees,
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[^0]:    (a) Including estimates for establishments not making satisfactory returns and for establishment exempted by virtue of size

