## PA109

$5(42(H A 251)$

## Business Monitor

 $\frac{42}{2834}$1977

Report on the Census of Production

## Miscellaneous mining and quarrying

## Business Monitor

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Report on the Census of Production 1977

## Miscellaneous mining and quarrying

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

## Department of Industry

Business Statistics Office

List of Industry Reports, etc.

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| :---: | :---: | :---: | :---: |
| PA101 | Coal mining |  | and aircraft |
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| PA211 | Grain milling | PA380 | Wheeled tractor manufacturing |
| PA212 | Bread and flour confectionery | PA381 | Motor vehicle manufacturing |
| PA213 | Biscuits | PA381.2 | Trailers, caravans and freight c |
| PA214 | Bacon curing, meat and fish products | PA382 | Motor cycle, tricycle and pedal cycle manufacturing |
| PA215 | Milk and milk products | PA383 | Aerospace equipment manufacturing and repairing |
| PA216 | Sugar | PA384 | Locomotives, railway track equipment, railway carriages, |
| PA217 | Cocoa, chocolate and sugar confection |  | wagons and trams |
| PA218 | Fruit and vegetable produc | PA390 | Engineers' small tools and gauges |
| PA219 | Animal and poultry foods | PA391 | Hand tools and implements |
| PA221 | Vegetable and animal oils and fats | PA392 | Cutlery, spoons, forks and plated tableware, |
| PA229. 1 | Margarine | PАЗ93 | Bolts, nuts, screws, rivets, etc. |
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| PA231 | Brewing and malting | PA395 | Cans and metal boxes |
| PA232 | Sott drinks | PA396 | Jewellery and precious metals |
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| PA240 | Tobacco | PA399.6 | Metal hollow-ware |
| PA261 | Coke ovens and manufactured fuel | PA399. 8 | Miscellaneous metal manufacture |
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|  | syn thetic rubber | PA42 | Narrow fabrics |
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| PA279. 3 | Explosives and fireworks | PA429.2 | Miscellaneous textile industries |
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| PA311 | Iron and steel (general) | PA442 | Men's and boys' tailored outerwear |
| PA312 | Steel tubes | PA443 | Women's and girls' tailored outerwear |
|  | Tron castings, etc. | PA444 | Overalls and men's shirts, underwear, etc. |
| PA321 | Aluminium and aluminium alloys | PA445 | Dresses, lingerie, infants wear, etc. |
| PA322 | Copper, brass and other copper alloys | PA446 | Hats, caps and millinery |
|  | Miscellaneous base metals | PA449. 1 | Corsets and miscellaneous dress industries |
| PA331 | Agricultural machinery (except tractors) | PA449.2 | Gloves |
|  | Metal-working machine tools | PA450 | Footwear |
| PA333.1 | Pumps | PA461.1 | Refractory goods |
| РАЗ33.2 | Valves | PA461.2 | Building bricks and non-refractory goods |
| PA333.3 | Compressors and fluid power equipment | PA462 | Pottery |
| PA334 | Industrial engines | PA463 | Glass |
| PA335 | Textile machinery and accessories | PA464 | Cement |
| PA336 | Construction and earth-moving equipment | PA469. 1 | Abrasives |
| PA337 | Mechanical handling equipment | PA469. 2 | Miscellar |
| PA338 | Office machinery | PA471 | Timber |
| PA339.1 | Mining machinery | PA472 | Furniture and upholstery |
| PA339. 2 | Printing, bookbinding and paper goods machinery | PA473 | Bedding, etc |
| PA339.3 | Refrigerating machinery, space-heating, Rentilating and air-conditioning equipment | PA474 PA475 | Shop and office fitting Wooden containers and baskets |
| PA339.5 | Scales and weighing machinery and portable | PA479 | Miscellaneous wood and cork manufactures |
|  |  | PA481 | Paper and board |
| PA339.7 | Food and drink processing machinery and | PA482. 1 | Cardboard boxes, cartons and fibre-board packing cases |
| PA339.9 | Miscellaneous (non-electrical) machinery | PA483 | Manufactured stationery |
| PA341 | Industrial (including process) plant and steelwork | PA484. 1 | Wallcoverings |
| PA342 | Ordnance and small arms | PA484.2 | Miscellaneous manufactures of paper and board |
| PA349.1 | Ball, roller, plain and other bearings | PA485 | Printing, publishing of newspapers and periodicals |
| PA349.2 | Precision chains and other mechanical engineerring | PA489 | General printing and publishing |
| A352 | Photographic and document copying equipment | PA491 | Rubber |
|  | Watches and clocks | PA492 | Linoleum, plastics floor-covering, leathercloth, etc. |
| A 4354 | Surgical instruments and appliances | PA493 | Brushes and brooms |
| PA354 | Scientific and industrial instruments and systems | PA494.1 | Toys, games and children's carriages |
| PA361 | Electrical machinery | PA494.3 | Sports equipment |
| PA362 | Insulated wires and $c$ | PA495 | Miscellaneous stationers goods |
| PA363 | Telegraph and telephone a | PA496 | Plastics products |
| PA364 | Radio and electronic components | PA499. 2 | Miscellañeous manufacturing industrie |
| PA365. 1 | Gramophone records and tape recordings | PA500 | Construction |
| PA365. 2 | Broadcast receiving and sound reproducing | PA601 |  |
|  | Electronic computers | PA6603 | Electricity |
| A367 | Radio, radar and electronic capital goods | PA1002 | Summary tables |
| PA368 | Electrical appliances primarily for domestic use |  |  |

The information in this report reates to estabishments classified to the Miscellaneous mining and quarry ing industry, minimum list heading 109 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

Mining or quarrying iron ore and ironstone, lead, tin and other non-ferrous metals or metalliferous ores, and alum, barytes, graphite gypsum, fluorspar, etc. and such ancillary activities as cleaning, washing, grading, etc., normally carried out at pits and quarries; extracting and refining salt and salt processing and packing (at mine or pit).

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

Output and costs, 1973-1977 2
Capital expend iture, 1973-1977 3
Stocks, 1973-1977
Analysis of establishments by size, 1977 4-5
Regional distribution of employment, net capital expenditure, net output and gross value added 6

Percentage analysis of twelve-month periods covered by returns received from United
Percentage analysis of twelve-month periods covered by returns received from United
Kingdom establi ishments employing 20 or more persons, 1977
Percentage analysis of employees, by full and part-time employment and sex, 1977
Operating ratios, 1977
table 1


|  | Unit | 1973 | 1974 | 1975 | 1976 | 1977 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises | Number | 72 | 78 | 81 | 74 | 74 |
| Establishments | " | 87 | 104 | 112 | 95 | 97 |
| Sales of goods produced (b) | f thousand | 33.116 | 51,813 | 63,292 | 79,459 | 110,760 |
| Receipts for work done and industrial services rendered | , | (c) | (c) | (c) | 1,079 | 6.765 |
| Capital goods produced for establishments' own use | " | 748 | 1.488 | 1,723 | 1,479 | 1,721 |
| Non-industrial services rendered | " | 1,409 | (d) | 1.902 | 318 | 933 |
| Goods merchanted or factored | " | 414 | 529 | 604 | 4,055 | 3.013 |
| Total sales and work done (e) | " | 35,687 | 53,830 | 67,521 | 86,390 | 123,192 |
| Value of outward transport on goods sold:- |  |  |  |  |  |  |
| by establishments' own staff | " | 462 | 740 | 756 | 898 | 1,036 |
| by other organisations | " | 4.093 | 6,086 | 5.994 | 7.047 | 15,403 |
| Increase during the year, goods on hand for sale | " | 218 | -246 | 995 | 1,437 | -510 |
| Gross output | " | 40,459 | 60,411 | 75,266 | 95,772 | 139,121 |
| Purchases of materials for use in production, and packaging and fuel | " | 8,950 | 16,736 | 21,996 | 28,806 | 39,770 |
| Purchases of goods for merchanting or factoring | " | 288 | 398 | 512 | (f) | 2,650 |
| Increase during the year, stocks of materials, stores and fuel | " | 124 | 1,014 | 1,364 | 648 | 728 |
| Cost of industrial services received | " | 609 | 2,129 | 3,962 | 6,570 | 7,948 |
| Net output | " | 30,736 | 42,162 | 50,161 | 61,044 | 89,482 |
| Total employment (g) | Thousands | 3.7 | 4.9 | 5.6 | 5.6 | 6.1 |
| Net output per head | £ | 8,276 | 8.590 | 8,962 | 10,916 | 14,619 |
| Payments for non-industrial services |  |  |  |  |  |  |
| Hire of vehicles, plant and machinery | £ thousand | 173 | 339 | 934 | 1,364 | 1,636 |
| Rents of industrial and commercial buildings | . | (h) | (h) | (h) | 37 | 47 |
| Commercial insurance premiums | " | 254 | 370 | 958 | 707 | 932 |
| Bank charges | " | 6 | 9 | 14 | 20 | 50 |
| Other non-industrial services | , | 4.893 | 7.499 | 7.592 | 9,399 | 18,630 |
| Licensing of motor vehicles | " | 27 | 30 | 38 | 57 | 69 |
| Rates, excluding water rates | " | 387 | 565 | 818 | 793 | 703 |
| Gross value added at factor cost | " | 24,995 | 33,350 | 39,807 | 48,667 | 67,414 |
| Gross value added at factor cost per head | £ | 6,730 | 6,795 | 7.112 | 8,703 | 11,014 |

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons. Satisfactory returns accounted for 86 per cent of employment within the industry.
(b) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being shown separately.
(c) Included in sales of goods produced
(d) Included in Capital goods produced for establishments' own use.
(e) Details of manufacturers' sales of certain principal products are published regularly in Business Monitors 109.2 and 109.3 . Correlative figures for the whole industry are not yet available.
(f) Included in Purchases of materials for use in production, and packaging and fuel.
(g) Average number employed, including full and part-time employees (see table 7 ) and working proprietors.
(h) For 1973-1975 rents of industrial and commercial buildings were not recorded separately, but included in hire of vehicles, plant and machinery

TABLE 2
PA 109
Caital expenditure, 1973-1977
Capital expenditure, $1973-1977$
All United Kingdom establishments classified to the industry (a) (b)


Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons. Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is
included.

## table 3

Stocks
All United Kingdom establishments classified to the industry (a)

|  | 1973 |  | 1974 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

[^0]
## table 4

Analysis of establishments by size, 1977

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


| $1-10$ | 43 | 39 | 175 ! |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $11-19$ | 26 | 24 | $368)$ |  |  |  |  |  |  |
| $20-49$ | 10 | 9 | $277)$ | 954 | 247 | 3,976 | 4,168 | 999 | 4,046 |
| $50-99$ | 5 | 2 | $390)$ |  |  |  |  |  |  |
| $100-299$ | 7 | 6 | 1,205 | 926 | 279 | 3,901 | 4,213 | 1,231 | 4,411 |
| $300-499$ | 3 | 3 | 1,181 | 926 | 255 | 3,762 | 4,063 | 1,009 | 3,957 |
| 500 and over | 3 | 3 | 2,525 | 2,037 | 488 | 9,040 | 4,438 | 2,899 | 5,941 |


| Total | 97 | 74 | 6,121 | 4,843 | 1,269 | 20,679 | 4,270 | 6,138 | 4,837 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(a) Includ ing estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons.
(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 estab ishments 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 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 | £ thousand | £ thousand | £ | £ thousand | £ | £ thousand | f thousand |
| 23,758 | 29,369 | 21,454 | 17,731 | (j) | (j) | 2,399 | 1,475 |
| 22,974 | 28,007 | 19,749 | 16,390 | 30,097(j) | 12,462(j) | 2,290 | 1,501 |
| 15,399 | 15,830 | 9,146 | 7.744 | 8,023 | 6,793 | 3,138 | 2,102 |
| 61,061 | 65,916 | 39,132 | 15,498 | 29,294 | 11.602 | 10,104 | 4,565 |


| 123,192 | 139,121 | 89,482 | 14,619 | 67,414 | 11,014 | 17,931 | 9,643 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | The cost of employers' contributions to national insurance, pensions and welfare schemes and the running costs of canteens, is

estimated for the industry at $£ 3,925$ thousand. ar
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.
New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery
Gross value added data relate to establishments employing 1-199.
. Regional distribution of employment, net capital expenditure, ne
All United Kingdom establishments classified to the industry (a)

| Area | Total employment (b |  | Net capital expenditure (c) |  | $\begin{aligned} & \text { Net } \\ & \text { output (d) } \end{aligned}$ | Gross value added at factor cost (d) | Gross value added at factor cost returned by establishments with 80 per cent or more in the region as a proportion of total factor cost in the region |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands | per cent of United Kingdom | £ thousand | per cent of United Kingdom | £ thousand | £ thousand | percenta |


| Standard regions of <br> England | 1.5 | 24.8 | 6,973 | 38.9 | $*$ | $*$ | $*$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\quad$ North |  |  |  |  |  |  |  |

Great Britain
Northern Ireland

| United Kingdom | 6.1 | 100.0 | 17,931 | 100.0 | 89,482 | 67,414 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons.
(b) Average number employed, including full and part-time employees (see table 7 ) and working proprietors.
(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 of the net output attributable to each address was made Where a census return covered addresses in two or more regions, an estimate of the net output attributable to each address was made by assuming that net output was proportionate to employment. An estimate for each region was ob
net output for addresses located in that region. Gross value added at factor cost is treated similarly.

TABLE 6
Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 20 or more
persons, 1977

| Accounting year ended | Percentage of total returns received | Percentage of total number employed |
| :---: | :---: | :---: |
|  | per cent | per cent |
| 1977 April (a) | 0.0 | 0.0 |
| May | 4.4 | 4.8 |
| June | 4.4 | 8.4 |
| July | 0.0 | 0.0 |
| August | 0.0 | 0.0 |
| September | 13.0 | 3.8 |
| October | 0.0 | 0.0 |
| November | 4.4 | 0.7 |
| December | 21.7 | 47.1 |
| 1978 January | 0.0 | 0.0 |
| February | 0.0 | 0.0 |
| March (b) | 52.2 | 35.2 |

From 6th April.
Including returns made for twelve-month period ended 1st to 5th April 1978.

ABLE 7
ercentage analysis of employees, by full and part-time employment and sex, 1977(a)

| Sex | Full-time |  | Part-time |  |
| :--- | :--- | :--- | :--- | :--- |
|  | per cent |  |  | All employees |
|  | 93 | - | per cent |  |
| Male | 3 | 2 | 94 |  |
| Female | 3 |  | 6 |  |

The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at mid-June, 1976 because
1977 information is not yet available.

## Gross output per head

Ratio of operatives to administrative, technical and clerical

Wages and salaries per administrative, technical and clerical

Net capital expenditure per head

Net capital expenditure as a percentage of gross value added
(a) Including estimates for establishments not making satisfactory returns, non-response and establishments employing fewer than 20
persons.

## These not

These notes give the main information needed for
interpreting the figures in the industry Busines Monitors: more detailed information about the census is given in a separate Business Monitor -
PA 1001 (Introductory Notes) of the Report PA 1001 (Introductory Notes) of the Report on the
Census of Production, 1977.

## general information

Changes made for 1977
The Census for 1977
1977 is
in line wi
with simila
inquiries being conducted in other member countries of the European Economic Communities. There was a
small number of changes in the scope of the mal numbery of changes in the
ind
for the first time in the industry monitors a table has been included on operating ratios, calculated
from census measures of output, from census measures of output, investment,
nanpower and labour costs.
pecific changes are explai
Specific changes are explained in the introductions
to the industry reports or by footnotes to the
tables.
ables.
Suppression of information relating to individua
undertakings undertakings (b) of the Statistics of Trade Act 1947
Section $9(5)$ (b)
states - "The following provisions shall have states - "The following provisions shall have
ffect with respect to any report, summary or other effect with respect to any report, summary or other
communication to the public of information obtained under the foregoing provisions of this Act -
in compliling any such report in compiling any such report, summary or commun-
ication the competent authority shall so arrange it as to prevent any particulars published there in from being identified as being particu-
lars relating to any individual person or undertaking except with the previous consent in
writing of that person or the person carrins 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 total quantity or value of any articles produced sold or delivered; so, however, that before
disclosing any such totai the competent authority disclosing any such total the competent authority
shall have regard to any representations made to shem by any person who alleges that the dis-
the closure thereot would enable particulars relating to him or to an undertaking carried on
by him to be deduced from the total disclosed." $\mathrm{f}_{\mathrm{t}}$ a figure involved disclosure the contributor
 or its publication. In the majority of cases
When it was refused and rmission was given. When it was refused and as been suppressed, either by combining it with ther $i f$ gures, or as in the regional tables, by
mbols used
he foll lowing symbols are used throughout the PA
eries of Business Monitors:
not availabl
nil or less than half the final digit shown
figures cannot be shown owing to the risk of
interprises information about individua
revised
Rounding of fi gures
igures in the tables have, where necessary, been ounded to the nearest final digit. Where figures ave been so rounded, the sum of the constituent tems may not always agree exactly with the total
shown.

Industrial
United
United
fication
Kingdom
(SIC) was
Standard Industrial
was subsequently revised in 1958 and 1968. It exists to promote uniformity and comparability in
the official statistics of the United Kingdom. the official statistics of the United Kingdom.
The general principles followed are those of the
International Standard International Standard Industrial Classification
of all Economic Activities of the United Nations of all Economic Activilies of the United Nations
Statistical Office but the United Kingdom SIC Statistical Office but the United Kingdom SIC
reflects the organisation and structure of indusreflects 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 in Business Monitor PQ 1000 .
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 information normally required for an economic census,
for example,
employment capital formation. Usually expenses, the principal activities carried on in an establishment fall within a single heading of the classification (eg steel
making or sugar refining). Typically the making or sugar refining). Typically the on at a single address eg a mine or a factory, including those which are mincillary to the principal activities. Frequently distinct are carried on at one address, but normally these are not classified separately and the whole establishment is classified according to the main can be provid, however, the required range of data to constitute a separate establity, each is taken
to activities which are conducted as a single Where this is so, businesses are asked to provide the full range of separate information in respect of each address, whether or not the activities are different. Their activities may, however, be a single establishment. In the latter case the astablishment is defined to cover the combined activities at these addresses (termed local units). Separate figures are obtained of
employment and net capital expend lture at each unit in order to compile regional tables.
fforts are made by the Business Statistics Office (BSO) to ensure, by negotiating with respondents, cover local units or addresses in more than one of the countries of the United Kingdom.
urther information about the statistical unit appeared in an article "The statistical unit in bus iness
May 1971.
Establishments Establishments are asked to exclude from their
returns particulars relating to any department returns particulars relating to any department not engaged in production eg merchanting, transport,
warehousing, 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 an independent purchaser. Where separate accounts are not kept they are asked to include details 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 were
included. Where more than one return was made the included. Where more than one return was made were apportioned among them.
or certain purposes in the annual censuses of production (especially the enterprise analyses of Business Monitor PA 1002) related establishments group may be defined as a business 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 purpose of
ensuring that there will be no disclosure of the activities of any one enterprise group. Infor-
mation about the relationship of establishments, he changing structure of groups of companies and bout 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
he register permits a questionnaire to be sent irect to the reporting establishment on which the laner can include information relating to all the The inquiries provide a major source of information The inquiries provide a major source of information
for keeping the register continuously up-to-date for keeping the register continuously up-to-date
and act as a check on its detall and structure. or the establishments on the register making eturns to the quarterly inquiries, the industria
classification is derived from an analysis of their sales of commodities and is reviewed annually. Employment data are entered on the register from eturns to the annual census of production. In cases where an establishment does not make a retur
to these inquiries the employment data are based o to these ingul ries the employment data are based on
information provided by the Department of Employment from the annual censuses of employment. varlous sources including Companies Registration Office and the Department of Employment. The 1973 Finance Act al lows HM Customs and Excise to pass to the BSO lists of businesses registered for VAT.
Information from all these sources is used to information from all these sources are sought directly, from new businesses. Units
which cease to trade are removed from the live which cease to trade are removed from the live Increasing use of the information obtained from the
Department of Employment, HM Customs and Exclse and Depo inquiries has led to Improvements on the register, which in turn enabled the BSO to produce better estimates, particularly of
smaller establishments and enterprises.

Coverage
A return was required in the 1977 Census from each establishment is classified to an industry, as defined in the SIC, whose principal products
the major part of the estabilishment's sales.

Regions
The regions defined in Table 5 take account of the boundary changes arising out of the Local
Government Act 1972 and the Local Government Act (Scotland) 1973. These changes came into effect in ApriI 1974 in England and Wales and May 1975 in

TERMS USED IN THE CENSUS REPORT
Average number employed
Establishments were
Establishments were required to state the number of persons on the payroll on average during the year
of return, whether full-time or part-time employees. Separate figures were required for:
(a) administrative, technical and clerical
(b) employees

Averages could be calculated from the figures relating to the last week of each calendar month. Establishments were also required to state the number of working proprietors where appropriate and
these are included in total employment figures. The fi gures include persons engaged on merchanting or factoring and canteen workers where particulars
excluded from the return.
Working proprietors
These include all persons regarded as "sel employed" for national insurance purposes and
members of their families who worked in the members of theut receiving a wage or salary; but umber of working worked less than ided. Direct working in the business but not in recelpt efinite wage, salary or commission are includ not included.
mp loyees
dministrative, technical and clerical employe nclude directors in receipt of a definite wage
nalary or commission, managers and works foreme esearch and design employeess lother than oper ives); draughtsmen, editorial staff, adver
taff, travellers and all office employees.
 hat is, broadly speaking, all manual wage earners, hey include operatives employed in power stations, tores, warehouse, workers and cleaners. Operatives engaged outside

Capital expenditure
capital expenditure during the year in respect manufacturing units where poduction had started before the end of the year is includ
Establishments were asked not to deduct from value of capital expenditure amounts received expected to be received in grants or allowanc rom the Government or any statutory body or lock employees were asked to include a total net capl expenditure figure for each calendar year.
(a) Now building work

This represents the cost incurred during the yer of new building and other constructional work to used in connection wi the business covered by return. The value is that charged to caplta
account during the year of return; it includ account during the year of and on the extensim or reconstruction of old buildings, the value Works of a capital nature carried out by the estab-
lishment's own staff and the cost of any new lishment's own staff and the cost of any nerl
constructed buildings purchased. Figures sho include legal charges, stamp duties, agents
inder commissions, etc (b) Land and existing buildings
The items shown are the capital cost of freenol purchased and the capital cost or premium paya
for leaseholds acquired (excluding the value for leaseholds acquired excluding the value
assets acquired in taking over an existice assets acquired a and the amounts receivable for freehol or leaseholds disposed of. The value is charged
return.
(c) Plant, machinery and vehicles The items shown are the value of plant machinery and of vehicles acquired, both new
second-hand, and the amount received for 1 disposed of during the year. The value of $p$ and machinery acquired includes plant, etc
firms produced for their own use in connection firms produced for their own use in connection
the business covered by the return. The value plant, etc acquired is the expenditure charged capital account during the year of return less discounts received, but
transport and installation.
ctible value added tax is excluded but nonctible value added tax on motor cars acquired icluded. No deduction is made for deprecia-
amortization or obsol escence. The proceeds amortization or obsolescence. The proceeds
tems disposed of during the year exclude items disposed of during the y
unts written-off for items scrapped.
of industrial services
includes amounts payable to other firms for
done on materials supplied by the establishpayments for repairs and maintenance cluding those in respect of rented buildings)
amounts paid to other firms for contracts which ave been sublet.
of non-industrial services
includes rents of industrial and commercial dings, hire of plant, machinery and vehicles
luding vehicles hired with drivers), commercial surance pemiums, bank charges and amounts paid
professional services, post office services, sport (within the United Kingdom), advertising Amounts payable on royalties for the right to
 nufacturing, mining and quarrying $r$
chnical "know-how" are al so included.
ss output
the calculation of gross output the value of al sales and work done is increased by the rise
reduced by the fall) during the year in the of goods on hand for sale.
output, a customary census measure, is
culated by deducting from gross output the cost
purchases (reduced by the rise, or increased by drchases (reduced by the rise, or increased by
fall, dur ing the year of stocks of materials ) and the cost of industrial services received, where applicable, duties etc.
output per head
figures of net output per head are derived by figures of net output per head are derived by
iding the net output by the average number of of
sons employed (full and part-time) on all
 employees and working proprietors.
ss value added at factor cost
ss value added at factor cost

解 int, machinery and vehicles fings, hire of ecles hired with drivers), commercial insurance
eniums, bank charges and amounts paid for ofessional services, ans amounts paid for
ansport office services,
(within the United Kingdom) and
(hinser ertising, rates (excluding water rates) and the
of I Icensing motor venicles. This estimate of ss value added approaches more closely than isus net output to the definition of net output
value added in national accounts statistics.
oss value added at factor cost per head
figures of gross value added at fat thgures of gross value added at factor cost
head are derived by dividing the gross value led by the average number of persons employed
num the returns, including operatives, administrative,
techn cal and clerical employees and working
include the cost of raw materials, , of replacement parts and consumable
erials of all types; of stationery and printed
natter; of fuel, electricity and water; of at to other establishments establishment or given
for the production of machinery or other capital items for the establishment's own use; of materials for use by the customers; and of food, etc for any canteen covered by the establishment's return. Transfers of goods
to the establ ishment from another department of the same firm not covered by the establishment's return are included at a cost corresponding to the estimated selling value recorded by the other
department. Amounts payable to transport firms or department. Amounts, payable to transport firms or
credited to the firm's own transport department for elivery of materials are excluded, as are all purchases of machinery and plant charged to capital
account. Purchases of goods for merchanting or account. Purchases of goods for merchanting or
factoring have been collected separately since
1973. The values shown exclude vAT They include factor. The values shown exclude VAT. They include, in addition to the actual purchase price, the value,
of packaging material charged to the establishment. the value of returned goods or packaging material returned to suppliers and any trade discounts are excluded. Materials purchased duty-paid are ncluded at their duty-paid value, less any
drawback, rebate, etc. The cost of transport is included only if it is included with the purchase price in the firm's accounts. Imported goods are
included at their full delivered cost. If in the irm's accounts the transport from docks or airport firm's accounts the transport from docks or airport
is not included in the cost of goods purchased, the cost is entered at cif plus duty (if applicable).
Leasing, renting and hire purchase charges are excluded.

Sales of goods produced
ales for the purposes of the annual censuses means del iver ies on sale of minerals raised or goods made
by establishments in the United Kingdom covered by the inquiry. Sales of goods made for these establishments by other establishments from materials given out to them and sales of waste
products are included. New building work and machinery or other capital items produced by astablishments for hiring out or leasing are egarded as sales, the value included in the return eing. that adopted in the establishments' capital
asset accounts. Forward sales and canteen takings re excluded. All sales in the period of the inquiry are included irrespective of when the goods
were manufactured. Goods produced in one establishment and transferred either to ancillary epartments not engaged in production for which here are separate accounts, or to another
stablishment of the same firm not covered by the stablishment of the same firm not covered by the
eturn, are treated as sales by the producing return, are treated as sales by the producing
establishment and valued as far as possible as if they had been sold to an independent purchaser.
Goods transferred to wholesale or retail selling oganisations, for which separate accounts are kept are valued on the same basis. The value shown for sales is the "net selling
value" defined as the amount (excluding VAT) value" defined as the amount (excluding VAT)
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 returnable packing material
cases is included.

Receipts for work done and industrial services rendered
igures for work done represer the Figures for work done represent the amount charged
for work carried out on materials supplied by a customer and include the value of any materials bought and used in such work. Activities within
this heading include repair and jobbing work, this heading include repair and jobbing work,
erection and installation of plant and machinery, exploration work and research and development.
Industrial services rendered include repairs and studies for orker organisations. Capital goods produced for establishments' own use out during the year by the establishments' own staff for their own use.
Non-industrial services rendered
This includes rents recelved for commercial and industrial buildings, amounts charged for hiring out plant, machinery and vehicles and other goods
and amounts charged to other organisations for the and amounts charged to other organisations for the
provision of transport. it also includes amounts received for the right to use patents, trademarks copyrights etc, manufacturing, mining and quarrying
rights and technical "know-hown and revenue from rights and technical "know-how"
such staff facilities as canteens.
Goods merchanted or factored
Merchanted goods are those (excluding canteen
sales) sold without having been subjected to any manufacturing process by the seller.
Stocks and work in progress 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 of the change during the year, including any stocks of goods held for merchanting or factoring. Work in progress is
defined as materials which have been partially processed by the establishment but which are not usually sold or transferred to another estab-
lishment without further processing. The values lishment without further processing. The values
include the cost of materials consumed and labour used, together with a margin of overhead costs and profits. Progress payments made to subcontractors are excluded and progress payments
received from other organisations are not received
deducted.
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
excluded. The values shown include all overtime excluded. The values shown include all overtim payments, bonuses, commissions and holday pay made for income tax, insurances, contributory pensions etc. The value of redundancy payments less any amounts reimbursed from Government source travelling expenses etc is excluded.
Employers' insurance and wel fare contributions
This item includes employers' contribution national insurance employers contributions to national insurance (and/or earnings related basic
contributions under the social Security Pensions Act, 1975) and commercial insurance premiums to provide pensions, superannuation or othe accident benefits, disability or death benefits for employees or former employees or their dependants. social centres, children's and holliday homes, et social centres, children's and holiday homes, etc
for employees, former employees and their
dependants are also included.

Operating ratios
The operating ratios shown were obtained by
dividing the estimate of the industry total for the quantity shown in the numerator by the
 establishments classified to the industry,

firm with the ratios shown for the relevant industry. However, it is important to bear in mind
that various factors may affect the results - fo that various factors may affect the results - for
example, differences in definitions, treatment of example, differences in definitions, treatment of
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data) and varying practice with regard to stock
valuation, may affect comparability in some respects.
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[^0]:    Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons.

