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the department for Enterprise
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# Business Monitor Report on the <br> Census of Production 

Bread, biscuits and flour confectionery

## Business

Statistics
Office

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SPECIAL NOTE FOR PURCHASERS
The Business Statistics Office, aided by industry and The Business Statistics Office, aided by inatistical data commerce, provides a great deal of the statistical data

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Report on the Census of Production 1987

Bread, biscuits and flour confectionery

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

Department of Trade and Industry
Business Statistics Office

## business monitors making up the complete census report

The following is the list of Business Monitors making up the complete census report

| Employment |
| :--- | :--- |
| percentage |
| variation |


| PA353 | Motor vehicle parts |
| :---: | :---: |
| PA361 | Shipbuilding and repairing |
| PA362 | Railway and tramway vehicles |
| PA363 | Cycles and motor cycles |
| PA364 | Aerospace equipment manufacturing and repairing |
| PA365 | Miscellaneous vehicles |
| PA371 | Measuring, checking and precision instruments and apparatus |
| PA372 | Medical and surgical equipment and orthopaedic appliances |
| PA373 | Optical precision instruments and photographic equipment |
| PA374 | Clocks, watches and other timing devices |
| PA411 | Organic oils and fats |
| PA412 | Slaughtering of animals and production of meat and by-products |
| PA413 | Preparation of milk and milk products |
| PA414 | Processing of fruit and vegetables |
| PA415 | Fish processing |
| PA416 | Grain milling |
| PA419 | Bread, biscuits and flour confectionery |
| PA420 | Sugar and sugar by-products |
| PA421 | Ice-cream, cocoa, chocolate and sugar confectionery |
| PA422 | Animal feeding stuffs |
| PA423 | Starch and miscellaneous foods |
| PA424 | Spirit distilling and compounding |
| PA426 | Wines, cider and perry |
| PA427 | Brewing and malting |
| PA428 | Soft drinks |
| PA429 | Tobacco industry |
| PA431 | Woollen and worsted industry |
| PA432 | Cotton and silk industries |
| PA433 | Throwing, texturing, etc. of continuous filament yarn |
| PA434 | Spinning and weaving of flax, hemp and ramie |
| PA435 | Jute and polypropylene yarns and fabrics |
| PA436 | Hosiery and other knitted goods |
| PA437 | Textile finishing |
| PA438 | Carpets and other textile floorcoverings |
| PA439 | Miscellaneous textiles |
| PA441 | Leather (tanning and dressing) and fellmongery |
| PA442 | Leather goods |
| PA451 | Footwear |
| PA453 | Clothing, hats and gloves |
| PA455 | Household textiles and other made-up textiles |
| PA456 | Fur goods |
| PA461 | Sawmilling, planing, etc. of wood |
| PA462 | Manufacture of semi-finished wood products and further processing and treatment of wood |
| PA463 | Builders carpentry and joinery |
| PA464 | Wooden containers |
| PA465 | Miscellaneous wooden articles |
| PA466 | Articles of cork and plaiting materials, brushes and brooms |
| PA467 | Wooden and upholstered furniture and shop and office fittings |
| PA471 | Pulp, paper and board |
| PA472 | Conversion of paper and board |
| PA475 | Printing and publishing |
| PA481 | Rubber products |
| PA483 | Processing of plastics |
| PA491 | Jewellery and coins |
| PA492 | Musical instruments |
| PA493 | Photographic and cinematographic processing laboratories |
| PA494 | Toys and sports goods |
| PA495 | Miscellaneous manufacturing industries |
| PA500 | Construction |
| PA1002 | Summary tables |

PA1001 Introductory notes
PA111 Coal extraction and manufacture of solid fuels
PA120 Coke ovens
PA130 Extraction of mineral oil and natural gas
PA140 Mineral oil processing
PA162 Public gas supply
PA170 Water supply industry
PA210 Extraction and preparation of metalliferous ores
PA222 Iron and ster
Drawing, cold rolling and cold forming of steel Non-ferrous metals industry
Extraction of stone, clay, sand and gravel
Extraction of miscellaneous minerals (including salt)
Structural clay producter
Building products of concrete, cement or plaster
Asbestos goods
Working of stone and other non-metallic minerals
Abrasive products
Refractory and ceramic good
Basic industrial chemicals
Paints, varnishes and printing ink
Specialised chemical products mainly for industrial and agricultural purposes
Pharmaceutical products
Specialised chemical products mainly for household and office use
Production of man made fibres
Foundries
Forging, pressing and stamping
Bolts, nuts, etc: springs; non-precision chains; metals treatment
Metal doors, windows etc
Hand tools and finished m
Industrial plant and steelwork
Agricultural machinery and tractors
Metal-working machine tools and engineers' tools
Textile machinery
Machinery for the food, chemical and related industries; process engineering contractors Mechanical power transmission equipment
Machinery for printing, paper, wood, leather, rubber, glass and related industries; laundry and dry cleaning machinery
Miscellaneous machinery and mechanical equipment
Ordnance, small arms and ammunition
Manufacture of office mach inery and data processing equipment
Basic electrical equipment
Electrical equipment for industrial use, and batteries and accumulators
Telecommunication equipment, electrical measuring equipment, electronic capital goods and passive electronic components
PA345 Miscellaneous electronic equipmen
Pomastic-type electric appliances
PA347 Electric lamps and other electric lighting equipment
PA351 Motor vehicles and their engines
ighting equipment
Motor vehicle bodies, trailers and caravans

PA419 BREAD, BISCUITS AND FLOUR CONFECTIONERY
The information in this report relates to businesses classified to the Bread, biscuits and flour confectionery industry, Group 419 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity Headings:

4196 Bread and flour confectionery
The baking of bread and flour confectionery by plant and master bakers. Bakehouses run in conjunction with retail shops are included here when they can supply separate information or when baking is the main activity of the combined unit.

## 4197 Biscuits and crispbread

For a full description of the 1980 classification see Standard Industrial Classification Revised 1980, obtainable from Her Majesty's Stationery Office, price $£ 3.95$.

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EXPLANATORY NOTES AND DEFINITIONS
introduction
These notes give basicinformation to help with the interpret bout the Census is given in a separate Business Monitor - Report about the Census is given in a separate Business Monitor -
on the Census of Production, Introductory Notes (PA1001).
2. Since 1980 , Censuses have been conducted on the Standard
Industrial Classification Revised 1980 (SIC(80)). The Standard diustrial Classification exists to promote uniformity and compar bility in the official statistics of the United Kingdom. The SIC(B)
ithe result of an attempt to align the United Kingdom classific ation with the General Industrial Classification of Ecomomic Activities within tha European Communities (NACE). It is based on
activity rather than commodities produced. A full description o
Sich
 REPORTING UNIT
iest censuses of production until that for 1986 he reporting unit to the census was the establishment. This was
defined as the smallest unit which could provide the full range of data required for an economic census. Establishments were asked where possible, to ex 4. In 1987 , for a number of administrative and statistical
reasons, a new system of company-based reporting was introduced. Under the new system the reporting unit to the census is, generally
he company, but there are some exceptions. These arise, for xample, for large mixed activity companies which are asked to make separate returns to the census for each of their production
activities on an establishment basis. Throughout this monitor this ixture of reporting unititare erefred to as "businesses". These
5. In practice, since most businesses, both before and after the 5. In practice, since most businesses, both before and after the
change, reported for the company as awhole, , ittre difference to the
main economic series has resulted from the change.
6. For most businesses, the returned data are appropriate to a
single activity heading of SiC( 180 ) and fall within a single geographical region. Where information covers a mixture of activities, the dusiness is classified according to the main activity. Where the
business operates at a number of different addresses then, in order enable revies at a number of different addresses then, in order mployment and capital expenditure is sought for each address.

## THE REGISTER

A register of businesses throughout the United Kingdom For on the BSO computer and provides the basis for BSO inquiries. formation about its eligibility for inclusion in an inquirs it it information about its eligibility for inclusion in an inquiry, its
elationship with other businesses in common ownership, its ndustrial classification, the nationsality of itt panent and location
idicators for regional analyses. Regional and size analyses indicators for regional analyses. Regional and size analyses of
manufacturing units are published in Business Monitor PA1003
Size analyses of United Kingodom businesses. During 1984, for Size analyses of United Kingdom businesses. During 1984, fo production inquiries, the BSO moved to an updated register which
makes fuller use of information obtained from HM Customs and Excise VAT records.
8. The Annual Census and other inquiries provide a major
source of information for updating and checking the register. For source of information for updating and checking the register. For
businesses on the reisiser making returns to the Quarterly Sales
lnquiry industrial classification is reviewed annually and is derived Businesses on the register making returns to the Quarterly Sales
Inquiry, industrial classification is reviewed annually and is derived from an analysis of their commodity sales. Employment data ar provided by the Quarterly Sales Inquiry and the Census o
Production. Where businesses on the register do not make return to these inquiries, employment is based mainly on information provided by the Department of Employment from Censuses o
Employment. New additions to the register are obtained from Employment. New additions to the register are obtained from
various sources including HM Customs and Excise VAT records and Censuses of Employmen
Coverage
in industrial Census covers United Kingdom businesses engaged in industrial production, ie mining and quarrying, manufacturing, construction, and gas, electricity and water supply industries
(Divisions 1 to 5 of scic (eot). Businesses in the Channel Islands
and the Isle of Man are excluded. an are excluded.
10. Under the sampling arrangements agreed for the 1987
Census, forms were despatched to all businesses with 100 or more Census, forms were despatched to all businesses with 100 or more
employed and, for most production industries samples of 1 in 4 ard 1 in 2 respectively being paken tor ind industries, samples of 1 in 4 and
to 99 employment size bands. 20 to 49 and 50 sample in those industries where there necessary tew business in the the
samp sample size band or where response in wearl fer business iears the
About poor
About
16.200 forms were despatched in the United Kingdom to About 16.200 fo
the 1987 Census.

PERIOD COVERED

1. Businesses were asked to make returns for the calenda ears ending between 6 Aprill 1987 and 5 Apriil 1988 were accepped
Hear Returns covering fewer than twelve months were accepted for
businesses which had started or ceased trading during the year
ESTIMATION
AII published Census results include estimates for non
2. 

responders, unsatisfactory returns and businesses not selected fo so Census. Estimates are also made for items not covered o
3. Within employment size groups in each industry, the
average per head" ${ }^{\prime \prime}$ is calculated for each census variable by dividing ave rage per heared is calculated for each census variable by dividing
the totar renturned value for each variabele by the total returned mployment. This value is multiplied by the employment though orist in each non-responding or non-selected business to yield ollected on the shorter form are made in a similar way using returned employment.
4. The accuracy of the totals produced by adding togethe he first of these is the extent to which businesses making satis actory returns account for the overall total for any heading. I ractice a measure of this is normally taken to be the employment
of businesses making satisfactory returns expressed as a percent
 Table 1). Thus the accuracy of data published in an Industry
Report where 95 per cent of the employment in the industry is
overed by returns made will in general be metter the that in overed by returns made, will, in general, be better then that in an
industry Report where the coverage is only 70 per cent.
5. The second measure is the extent to which individual
headings in an Industry Report are related to employment. Thus n estimate of total earnings which bears a close relationship to otal employment is likely to be more accurate than an estimate o
apital expenditure where the relationship to employment is not so capital expenditu
clearly marked.
UPPRESSION OF INFORMATION RELATING TO
NDIVIDUAL UNDERTAKINGS
6. Sub-section 9(5)(b) of the Statistics of Trade Act 1947 states that:
he following provisions shall have effect with respect to an report, summary or other communication to the public of
ation obtained under the foregoing provisions of this Act -
in compiling any such report, summary or communicatio competent authority shall so arrange it as to prevent any articulars relating to therein from being identified as bein oarticulars relating to any individual person or undertakin
xcept with the previous consent in writing of that person or the person carrying on that undertaking, as the case may se; but this provision shall not prevent the disclosure of the
otal quantity or value of any articles produced, sold o delivered; so, however, that before disclosing any such total
the competent authority shall have regard to any representthe competent authority shall have regard to any represent-
ations made to them by any person who alleges that the disclosure thereof would enable particulars relating to him
or to an undertaking carried on by him to be deduced from or to an under taking
the total disclosed.'
7. Figures which would be likely to disclose particulars relatin an individual undertaking are not published unless the contrib-

CHANGES MADE FOR 198
GES MADE FOR 1987 he questions relating to computers, included in the 1986 Census,
YMBOLS USED
9. The following symbols are used throughout the PA series of Business Monitors:
not avaliable half the final digit shown
nil or less than
R information suppressed to avoid disclosure

ROUNDING OF FIGURES
20. Figures
ROUNDING OF FIGURES
20. Figures in the tables have been rounded to the nearest fina
digit where necessary and, in these instances the sum constitu
shown.
EXPLANATION OF TERMS USED IN THE CENSUS REPORT 21. The notes and definitions given in this section are based on
the instructions given to respondents as to the way in which returns

CAPITAL EXPENDITURE
with any other amoes the value charged to capital account together purposes during the year which ranked as capital items for taxation
inclusive of any amounts received oo exturn related. The velue is inclusive of any amounts received or expected to be received in
grants and//or allowances from government sources, statutory bodie or local authorities. Where expenditure sources, statutory spodied over more tha
one Census year, payments are included in the years in which the were made. Capital expenditure during the year in respect o
production units where production had not started before the en production units where production had not started before the end
Of the year and the value of CAPITAL GOOSDP PRODUCED FOR
USE WITHIN THE BUSINESS by its own staff are included Th Of the year and the value of CAPITAL GOODS PRODUCED
USE WITHIN TH B BUINES by its own staff are included. The
value of any assets accauired in taking over an existing business ar value of any assets acquired in taking over an existing business ar
excluded. The tigures include non-deductible VAT but exclude excluded. The tigures include non-deductible VAT but exclude
deductible VAT. No allowance is made for depreciation, amortis
a. on LAND AND EXISTING BUILDING
23. This represents the value of freholds and the value or
premium payabele or receivabie for leasenholds accauired or disposed
of. The figures for accuisitions include architects' and surveyorss
 payable.
b. on NEW BUILDING WORK
24. This represents the value of new building and other construc-
tional work such as the extension and reconstruction of old tional work such as the extension and reconstruction of old
buildings, and the velue of any newly constructed buildings
acquired. The figures include architects and surveyors' fees, legal acquired. The figures include architects' and surveyors' fees, legal
fees, stamp duties, agents' commissions and Land Registry fees.
on PLANT AND MACHINERY, VEHICLES
25. This represents the value of new and second-hand plant and
machinery and vehicles acquired or disposed of. The figures for machinery and vehicles acquired or disposed of. The figures fo
acquisitions are net of any discounts received but include the cost of transport and installation and Customs and Excise car tax. Th
figures for disposals exclude amounts written off for capital asset figures for disposal
which are scrapped.

CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS
26. This 26. This represents the value of all work of a capital nature
carried out during the eyar by the staff of, and for use in, the
businesses covered by the returns.

COST OF INDUSTRIAL SERVICES RECEIVED
27. This includes amounts payable to other organisations for
work done on materials supplied by the business completing the return, for repairs and maintenance including those in respect o payments to outworkers and amounts charged to capital account are xcluded
COST OF NON-INDUSTRIAL SERVICES RECEIVED 28. This includes commercial insurance premiums, bank charges
and amounts payable to other organisations for the hire of vehicles, plant and machinery, for the rent of industrial and commercial and sugs, fyor the services of accountants, auditors, agents, solicitor
and disposal of capital assets, for postal and telecommunication
services, for carriage by all forms of tran Kingdom, for adviaertising, market research etc., for the right to us patents, trade marks, copyrights etc., for manufacturing and
quarrying rights and technical knowhow. Interest payments and
amounts payable for sea and air freight on goods exported and on amounts payable for sea and air r feitho o
materials and fuel imported are excluded.
EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC 29. This includes employers' national insurance contributions premiums for policies providing penctions, superanmercation insuranc orthe
retirement benefits, sickness benefits, personal accident beef retirement benefits, sickness benerits, personal accident benefits,
disability benefits or death benefits for employees, including forme mployees, or their dependants. Also includeded are contribytions so
anteens, social centres, children's and holiday homes etc. and the canteens, social centres, children's an
cost of supplying luncheon vouchers.

EMPLOYMENT
30. This is the average number of ADMINISTRATIVE
TECHNICAL AND CLERICAL EMPLOYEES and OPRRATIVE on the payroll and the number of WORKING PRORRIETTE employed during the year of return. Full-time and part-tim employees are included but outworkers (ie people who worked in
their own homes on materials supplied by the usiness) and casual
employees such as iobbers are excluded The average number
 of employees returned by individual businesses may have been
calculated by for example, the average of the number of emplovees calculated by for example, the average of the number of
on the payroil for the last week of each calendar month.
a. ADMINISTRATIVE, TECHNICAL AND CLERICAL

This includes directors who received a definite wage, salary or ommission, managers, foremen, draughtsmen, editorial and adver ising staff, travellers, arll offic
employees except operatives.

## - operatives

## 32. This includes all manual wage earners including operatives in fitting etc, inspectors, maintenance workers and cleaners. Sta engaged in transport lincluating roundsmen) and employed in ware houses, stores, shops and canteens are included.

 WORKING PROPRIETORS33. These are people who are regarded as self-employed fo
national insurance purposes, members of their families who worked national insurance purposes, members of their families who worke in the business without receiving a definite wage or salary for at
least half the normal working hours and directors who worked in east half te normal working hours and directors who worked
te business but did not receive adefinite wage, salary or commis
sion. Part-time directors paid by fee only and directors who sion. Part-time directors paid by fee only, and directo
received a definite wage, salary or commission are excluded.
ENTERPRISE
34. This is defined as one or more businesses under common gross output
Ni Whis is calculated by adjusting the value of TOTAL SALE AND WORK DONE by the changes during the
PROGRESS and GOODS ON HAND FOR SALE.
GROSS VALUE ADDED AT FACTOR COST
35. This is calculated by deducting from NET OUTPUT the
COST OF NON-INDUSTRIAL SERVICES RECEIVED, RATES and the cost of LICENSING OF MOTOR VEHICLES. Thi estimate of gross value added approaches more closely than NET
OUTPUT the definition of net output or value added in national ccounts statistics.
GROSS VALUE ADDED AT FACTOR COST PER HEAD
36. This is calculated by dividing GROSS VALUE ADDED AT 37. This is calculated by dividing GRO
FACTOR COST by total EMPLOYMENT.

NET CAPITAL EXPENDITURE
38. This is calculated by addi
ORK acauisitions less disposals of the value of NEW BUILDING UILDINGS, VEHICLES and PLANT AND MACHINERY
NET OUTPUT
This is calculated by deducting from GROSS OUTPUT th
cost of PURCHASES OF MATERIALS FOR USE IN PRODUCT ON AND PACKAGING AND FUEL and PURCHASES OF GOOD FOR MERCHANTING OR FACTORING, the COST OF INDUST
RIAL SERVICES RECEIVED and is adjusted for net duties an levies etc. Where applicable. Purchases are adjusted for changes
during the year of STOCKS OF MATERIALS, STORES AND
FUEL.

## NET OUTPUT PER HEAD

NET OUTPUT PER HEAD
This is calculated by dividing NET OUTPUT by total
EMPLOYMENT. NON-INDUSTRIAL SERVICES RENDERED 1. This includes amounts charged for the hire of vehicles, plan or the right to use patents, trade marks, copyrights etc., fo or the provision of transport to the for technical know-how and or the provision of transport to other organisation
includes revenue from staff facilities such as canteens.
OPERATING RATIOS
2. These ratios are calculated using industry totals, ie includin or the Census, for businesses not responding to or not selected for the Census. Respondents are able to compare the
own businesses with those for the industry as a whole.

PURCHASES OF MATERIALS FOR USE IN PRODUCTION, AND
PACKAGING AND FUEL. PURCHASES OF GOODS FOR PACKAGING AND FUEL. PUR
MERCHANTING OR FACTORING
43. These include the cost of raw materials, components, semi-
manufactured goods and workshop materials, replacement parts and
 and water. materials of all types used by the business or given
out to others, for the production of machinery or other capital
ot out to others, for the production of machinery or or orer capital
items used in the busines, and materials used when wworking on goods supplied by customers. The figures exclude VAT, purchases of machinery and plant, which are included in CAPIAL EXPEND.
TTURE, and amounts payable to transport tirms or credited to the
business's own transport departments for delivery of materials. The business's own tronsport departments for delivery of materials. The
figures are net of the value of goods or packaging materials returned tigures are net of the value of goods or packeging materials reterned
to suppliers and trade discounts receivable. Materials purchased to suppliers and trade discounts receivabie. Value liass drawhascks,
duty-paid are included at their dut--paid valued
rebates etc. Imported goods are incluyded at their full delivered cost. If the transport from docks or airport of impoorted goods is not
got inclued in the cost of goods purchased, the cost is entered at cif
incus duty, if applicable. Transfers of goods from other departments plus duty, if applicable. Transfers of goods from other departments
of the business not covered by the return are included at the of the business not covered by the return are included
estimated selling value recorded by the other departments. REMUNERATION PAID TO OUTWORKERS
44. This represents amounts paid to outworkers, ie people who
do work in their own homes generally on a piece-work basis, whose aper appear on the payroll. Amounts paid to
outworkers by subcontractors are included in the cOST OF NDUSTRIAL SERVIIES RECEIVED. Estimates sere not made for
remuneration of outworkers for businesses not completing Census returns.
SALES OF GOODS PRODUCED
45. This represents sales of goods during the year, irrespective of
whether or not they were produced in the year of the return. It also includes sales of goods made from materials given out to other firms or to outworkers and sales of waste products and residues.
The value of sales is the 'net selling value', ie the amount charged to The value of sales is the 'rent selling value', ie the amount charged to
customers whether valued ex
discounts
diks discounts, agents' comm issions etc and allowances on returned
goods. Where products atract Exise duty the value includes duty
if the goods. Where products attract Excise duty, the value includes duty
if the goods are sold 'duty-paid', but extludes it if they are sold in
ond It the goods are sold duty-paid, but exclyues it it ind they are sold in
bond or exported. The cost of packaging materials less allowances
for for returnable containers is included. Sales of fixed assets and
exceptional receipts are excluded. Transfers of goods produced by
a business to departments not covered by the return lincluding exceptional receeipts are excluded. Transters of goods produced by
a business to departments not covered by the return lincluiding
other businesses in the same enterprise group) are treated as sales. other businesses in the same enterprise group,
valued as if sold to an independent purchaser.
stocks
This represents the value of goods on hand for sale, including goods for merchanting or factoring and of materials, stores and fuel
held by businesses, whether held in the United Kingdom or abroad. alues include any duty payable but exclude VAT.
WAGES AND SALARIES
WAGES AND SALARIES
47. This reperesents amounts paid during the year to
ADMINISTRATIE, TECHNICAL AND CLERICALEMPLOYEES and to OPERATIVES. All overtime payments, bonuses,
commissions, holiday pay and redundancy
payments, less any amounts reimbursed for this purpose from government sources, are included. No deduction is made for income tax or employees
national insurance contributions etc. Payments to WORKING national insurance contributions etc. Payments to workivg
PROPRIETORS, payments in kind, rraveling expenses, lodging
allowances etc. and EMPLOYRS' NATIONAL INSURANCE allowances etc. and EMPLOYERS'
CONTRIBUTIONS ETC. are excluded
WORK DONE AND INDUSTRIAL SERVICES RENDERED 48. This includes amounts charged for work carried out including
that done by sub-contractors on customers' materials and amounts that done by sub-contractors on customers' 'materials and amounts
charged tor materials supplied in the course of such work. Indust-
rial services much as repairs and maintenance installation work and technical research and stuties rendered to oother organisations is also
included. For certain industries this heading covers a wide variety included. For certain industries this heading covers a wide variety
of activities, for example, butter packed on commission in the food industries, , faking up of garments, fur dressing and textile finishing making and bindingries, ind prepeparatory work on typesesting, block
mond publishing industries. Work
done is an important part of done is an important part of the activities of the electrical machinery and heavy engineering industries, and includes erection, instal-
lation and repair and jobbing work.
WORK IN PROGRESS
Th.
This represents materials which have been partially processed
and awaiting further processing before being sold or transferred.
 Progress payments made to sub-contractors are excluded and
progress payments received from other organisations are not
deducted.

Output and costs, 1983-1987
All United Kin

|  | Unit | 1983 | 1984 | 1985 | 1986 | 1987 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises | Number | 1,157 | 3,879(b) | 3,952 | 3,955 | 4,016 |
| Businesses | " | 1,370 | 4,065(b) | 4, 165 | 4. 161 | 4. 156 |
| Sales of goods produced | £ million | 2,671.0 | 3,103.6 | 3,302.6 | 3,562.2 | 3,882.7 |
| Work done and industrial services rendered | " | 0.4 | 0.5 | 0.2 | (d) | 1.2 |
| Capital goods produced for use within the business | " | 0.9 | 1.4 | 1.3 | 1.1 | 2.2 |
| Non-industrial services rendered | " | 6.6 | 5.4 | 3.8 | 4.6(d) | 6.9 |
| Goods merchanted or factored | " | 299.5 | 345.1 | 352.4 | 358.7 | 413.2 |
| Total sales and work done | " | 2,978.4 | 3,456.0 | 3,660.2 | 3,926.7 | 4,306.2 |
| Increase during the year, work in progress and goods on hand for sale | " | 2.6 | 4.7 | 1.1 | -3.9 | 4.5 |
| Gross output | " | 2,981.0 | 3,460.7 | 3,661.3 | 3,922.8 | 4,310.7 |
| Purchases of materials for use in production, packaging and fuel | " | 1,353.8(c) | 1,630.4(c) | 1,703.1(c) | 1,840.6(c) | 2,000.7(c) |
| Purchases of goods for merchanting or factoring | " | 229.0 | 263.5 | 276.8 | 277.7 | 323.1 |
| Increase during the year, stocks of materials, stores and fuel | " | 2.3 | 14.1 | -3.4 | 8.6 | 5.2 |
| Cost of industrial services received | ${ }^{\prime}$ | 44.8 | 48.1 | 51.9 | 67.4 | 67.9 |
| Net output | " | 1,355.6 | 1,532.8 | 1,626.1 | 1,745.6 | 1,924.2 |
| Total employment | Thousand | 134.6 | 151.5(b) | 143.6 | 143.2 | 147.5 |
| Net output per head | £ | 10,071 | 10.116 | 11,328 | 12,194 | 13,043 |
| Cost of non-industrial services received |  |  |  |  |  |  |
| Hire of vehicles, plant and machinery | £ million | 13.6 | 19.4 | 20.8 | 24.8 | 23.1 |
| Rents of industrial and commercial buildings | " | 16.9 | 22.3 | 21.5 | 24.6 | 28.4 |
| Commercial insurance premiums | " | 8.4 | 9.5 | 10.5 | 13.0 | 15.8 |
| Bank charges | " | 2.4 | 3.0 | 3.4 | 3.3 | 3.9 |
| Other non-industrial services | " | 143.1 | 158.0 | 154.8 | 171.4 | 204.3 |
| Licensing of motor vehicles | " | 3.6 | 3.7 | 3.6 | 3.8 | 3.7 |
| Rates, excluding water rates | " | 25.5 | 29.9 | 29.7 | 32.9 | 36.5 |
| Gross value added at factor cost | " | 1,142.1 | 1,287.0 | 1,381.8 | 1,471.8 | 1,608.5 |
| Gross value added at factor cost per head | £ | 8,485 | 8,493 | 9,626 | 10,281 | 10,903 |

(a) Satisfactory returns accounted for 72 per cent of the employment within the industry in 1987.
(b) Use of a new register of businesses for 1984 has affected the number of enterprises and businesses. This has led to the estimated total employment being increased by $14 \%$ in this industry. Estimates for other variables are dependent upon employment and the change should be taken into account when interpreting the (c) Purchases are sow to s.
(d) Work done and industrial services rendered included in non-industrial services rendered

TABLE 2
PA419
Capital expenditure, 1983-1987
All United Kingdom businesses classified to the industry


TABLE 3
Stocks and work in progress, 1983-1987
All United Kingdom businesses classified to the industry


Employment, labour costs, output, net capital expenditure and stocks
and work in progress by size of total employment, 1987
All United Kingdom businesses classified to the industry (a)

| $\begin{aligned} & \overline{\text { Size }} \\ & \text { group } \end{aligned}$ | $\begin{aligned} & \text { Busin- } \\ & \text { esses } \end{aligned}$ | Enter- prises <br> (b) | Employment |  |  | Wages and salaries (c) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total including working proprietors | Operatives | Administrative, tech- nical and clerical | Operativer |  | Admin tech cleric |  |
|  |  |  |  |  |  | Total | per | Total | per |


|  | $\overline{\text { Number }}$ | $\overline{\text { Number }}$ |  | $\overline{\text { Thousand }}$ | Thousand | £ million |  | £ million | $\overline{\text { ¢ }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1-9 | 2,945 | 2,942 | 12.8) |  |  |  |  |  | ald |
| 10-19 | 592 | 592 | 8.2) |  |  |  |  |  |  |
| 20-49 | 263 | 262 | 8.7) | 31.2 | 3.1 | 180.6 | 5,784 | 27.6 | 8,952 |
| 50-99 | 118 | 115 | 8.1) |  |  |  |  |  |  |
| 100-199 | 87 | 79 | 12.3 | 11.0 | 1.3 | 65.5 | 5,946 | 12.6 | 9,830 |
| 200-299 | 42 | 31 | 10.5 | 9.3 | 1.2 | 59.8 | 6,421 | 10.7 | 8,944 |
| 300-399 | 35 | 20 | 12.4 | 10.7 | 1.7 | 74.8 | 6,994 | 14.9 | 8,717 |
| 400-499 | 16 | 5 | 7.1 | 5.9 | 1.2 | 54.9 | 9,266 | 12.2 | 10,150 |
| 500-749 | 29 | 14 | 18.0 | 15.9 | 2.0 | 109.1 | 6,846 | 17.1 | 8,358 |
| 750-999 | 6 | 4 | 5.1 | 4.3 | 0.8 | 32.3 | 7,483 | 7.1 | 9, 395 |
| 1,000-1,499 | 13 | 6 | 16.7 | 15.3 | 1.4 | 74.9 | 4,904 | 13.5 | 9,342 |
| 1,500-2,499 | 5 | 3 | 8.5 | 7.8 | 0.8 | 34.5 | 4,447 | 6.5 | 8,676 |
| 2,500-Plus | 5 | 5 | 19.1 | 15.9 | 3.2 | 105.0 | 6,624 | 29.6 | 9, 159 |


| Total | 4,156 | 4,016 | 147.5 | 127.3 | 16.7 | 791.4 | 6,217 | 151.8 | 9,090 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(a) Businesses employing fewer than 20 persons are not required to complete census returns. Because of this, data for these businesses should be regarded merely as the best estimates available and used with caution.
(b) The count of enterprises shown in each row represents the number of enterprises, irrespective of size, ownin the businesses shown in each size group. Because an enterprise may own businesses in more than one size group, the sum of individual enterprise counts may exceed the total for the industry.
(c) The cost of employers' contributions to the national insurance, pensions and welfare schemes and the running costs of canteens are excluded from the table but were estimated for the industry at $£ 18.5$ million.
(d) Gross value added data relate to businesses employing 1-199.


Percentage analysis of twelve-month periods covered by returns received for the 1987 Census
by number
by number of returns and total employment

| Accounting year ended | Percentage of total returns <br> received | Percentage of total <br> employment |  |
| :--- | :--- | :---: | :---: |
| 1987 | April 6-30 | 5.6 | 1.4 |
|  | May | 1.4 | 1.0 |
|  | June | 5.2 | 3.7 |
|  | July | 1.7 | 0.8 |
|  | August | 2.4 | 0.8 |
|  | September | 18.1 | 21.9 |
|  | October | 2.1 | 0.6 |
|  | November | 1.0 | 3.6 |
|  | December | 15.3 | 7.8 |
| 1988 | January | 3.4 | 12.7 |
|  | February | 34.0 | 2.4 |
|  | 1 March -5 April |  | 43.4 |
|  |  |  |  |

## table 6

Operating ratios, 1983-1987
All United Kingdom businesses classified to the industry

|  | Unit | 1983 | 1984 | 1985 | 1986 | 1987 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gross output per head | £ | 22,147 | 22,839 | 25,506 | 27,402 | 29,219 |
| Net output per head | £ | 10,071 | 10,116 | 11,328 | 12,194 | 13,043 |
| Gross value added per head | £ | 8,485 | 8,493 | 9, 626 | 10,281 | 10,903 |
| Gross value added as a percentage of gross output | \% | 38 | 37 | 38 | 38 | 37 |
| Ratio of gross output to stocks |  | 25.3 | 23.2 | 26.4 | 25.8 | 24.9 |
| Wages and salaries as a percentage of gross value added | \% | 60 | 62 | 60 | 60 | 59 |
| Ratio of operatives to administrative, technical and clerical employees |  | 7.3 | 7.8 | 7.1 | 7.5 | 7.6 |
| Wages and salaries per operative | £ | 4,896 | 5,085 | 5,580 | 5,972 | 6,217 |
| Wages and salaries per administrative, technical and clerical employee | £ | 6,539 | 7,513 | 8,124 | 8,961 | 9. 090 |
| Net capital expenditure per head | £ | 683 | 927 | 952 | 1,069 | 1,212 |
| Net capital expenditure as a percentage of gross value added | \% | 8 | 11 | 10 | 10 | 11 |

tABLE 8
Output and costs, 1987
All United Kingdom businesses classified to each Activity Heading within the industry

|  | Unit | 4196 |  | 4197 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises(a) | Number | 3,956 |  | 64 |  |
| Businesses | " | 4,081 |  | 75 |  |
| Sales of goods produced | £ million | 2,982.6 |  | 900.0 |  |
| Work done and industrial services rendered | " | 1.2 |  | - |  |
| Capital goods produced for use within the business | " | 0.8 |  | 1.4 | bnsse |
| Non-industrial services rendered | " | 6.4 |  | 0.5 | thala |
| Goods merchanted or factored | " | 369.3 |  | 43.9 | bns oridetioy |
| Total salos and work done | " | 3,360.4 | s.es | 945.8 |  |
| Increase during the year, work in progress and goods on hand for sale | " | -0.3 |  | 4.8 |  |
| Gross output |  | 3,360.1 |  | 950.5 | teag ituce |
| Purchases of materials for use in production, packaging and fuel | $\cdots$ | 1,545.2(b) | B. 01 | 455.5(b) | 120W0 40402 |
| Purchases of goods for merchanting or factoring | " | 285.3 |  | 37.7 |  |
| Increase during the year, stocks of materials, stores and fuel | " | 7.5 |  | -2.3 |  |
| Cost of industrial services received | " | 57.5 |  | 10.4 | Heas |
| Net output | " | 1,479.6 |  | 444.6 | nmatuna |
| Total employment | Thousand | 123.5 |  | 24.1 |  |
| Net out put per head | £ | 11,984 | 5.en | 18,478 | 718 90970 |
| Cost of non-industrial services received |  | d, 5 | 8.8 |  | buthort meldiona |
| Hire of vehicles, plant and machinery | £ million | 21.0 |  | 2.1 | P) batinu |
| Rents of industrial and commercial buildings | " | 26.7 |  | 1.7 |  |
| Commercial insurance premiums | " | 13.3 |  | 2.5 |  |
| Bank charges | " | 4.5 |  | 0.4 |  |
| Other non-industrial services | " | 129.7 |  | 74.6 |  |
| Licensing of motor vehicles | " | 3.4 |  | 0.2 |  |
| Rates, excluding water rates | " | 31.6 |  | 4.9 | (0x) sa bothe |
| Gross value added at factor cost | " | 1,250.3 |  | 358.2 |  |
| Gross value added at factor cost per head | £ | 10,126 |  | 14,891 |  |

(a) The count of enterprises shown in each column represents the number of enterprises owning the businesses shown for each activity heading. Because an enterprise may own businesses in more than one activity heading, the sum of the enterprise counts may exceed the total for the industry.
(b) Purchases are shown net of special levies, subsidies and allowances.

TABLE 9
Capital expenditure, 1987
All United Kingdom businesses classified to each Activity Heading within the industry


## table 10

Stocks and work in progress 1987
Stocks and work in progress, 1987
All United Kingdom businesses classified to each Activity Heading within the industry

|  |  |  |
| :--- | ---: | ---: |
|  | 4196 | 4197 |
| 10a Increase during year |  |  |
| Materials, stores and fuel | 7.5 | -2.3 |
| Work in progress | - | -0.1 |
| Goods on hand for sale | -0.3 | 4.9 |
| Total | 7.2 | 2.4 |

10b Value at end of year

| Materials, stores and fuel | 83.5 | 30.9 |
| :--- | ---: | ---: |
| Work in progress | - | 1.0 |
| Goods on hand for sale | 25.2 | 32.1 |
| Total | $\mathbf{1 0 8 . 7}$ | $\mathbf{6 4 . 1}$ |

Operating ratios, 1987
All United Kingdom businesses classified to each Activity Heading within the industry

|  | Unit | 4196 | 4197 | coulblisd ina bne: |
| :---: | :---: | :---: | :---: | :---: |
| Gross output per head | f | 27,214 | 39,510 | 1 goutabo bina brisa |
| Net output per head | £ | 11,984 | 18,478 | anoitigiupsa |
| Gross value added per head | £ | 10,126 | 14,891 | aneocral |
| Gross value added as a percentage of gross output | \% | 37 | 38 | \% tah |
| Ratio of gross output to stocks |  | 30.9 | 14.8 | anoinaiovas |
| Wages and salaries as a percentage of gross value added | \% | 62 | 46 | alsapuric |
| Ratio of operatives to administrative, technical and clerical employees |  | 8.1 | 5.9 |  |
| Wages and salaries per operative | £ | 6,218 | 6. 206 | 2notilitupsiA |
| Wages and salaries per administrative, technical and clerical employee | ¢ | 8,669 | 10,697 | tiszonala |
| Net capital expenditure per head | £ | 1,040 | 2,099 |  |
| Net capital expenditure as a percentage of gross value added | \% | 10 | 14 |  |

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