Central Statistical Office

PA330
1989
(1) \(\left.\begin{array}{c}STATISTICS \\
READING \\

ROOM\end{array}\right) \frac{42}{(2)}\)| STATISTICS |
| :---: |
| BACK UP |$\quad \frac{42}{\text { HA25 }}$

# Business Monitor Report on the Census of Production 

## Manufacture of office

 machinery and data processing equipment

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# Report on the Census of Production 1989 

Manufacture of office machinery and data processing equipment

Prosented by the Chancellor of the Exchequer
to Parliament in pursuance of the Statistics of Trade Act 1947
( 10 \& 11 Geo. 6 Cha. 39 sec 7 )

CENTRAL STATISTICAL OFFICE
Business Statistics Office

The information in this report relates to businesses classified to the Manufacture of office machinery and data processing equipment industry Group 330 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity Headings:

## 3301 Office machinery

nufacture of typewriters, duplicating machines, adding machines, calculating machines, cash registers, electronic desk calculators, non-electronic data proccssing and h andling equpment, book-keeping machings, mail handling machines, ticket issuing machines and
other machines for office use. Dictaing machines are classified to Group 345 . Offsel litho duplicating machines are cassifid to 327. Document copiers and microfilms equipment are classified to Group 373. Facsimile transmission machines are classififed to Group 344.

3302 Electronic data processing equipment
Manufacture of digital, analogue and hybrid electronic computer equipment and systems (except those which are not separable from
industrial procosss control systems, which are classified to Group 344). This heading includes the manufacture of computer sub-assemblies and peripheral equipment.

For a full description
Office, price $£ 4.55$.
In Interproting the data in the tables it is essential to bear
in mind the notes and definitions which commence on page 5

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EXPLANATOAY
These noles give basic information to help with the interpretation ables in this Industry Report. More general information about th Census is given in a separate Business Mon
2. Since 1980, Censuses have been conducted on the Standard industrial Classification Revised 1980 (SIC(80)). The Standard Industria classilication exists to promote unitormity and comparability in the official statistics of the Unitid Kingdom. The SIC (80) is the resull of an ttempt to align the United Kingdom classification with the General
hdustrial Classification of Economic Activities within the European Communities (NACE). Iis based on acivily rahher han commodite oduced. A full doscription of SLC(80) is given in Standard Industria Classification Revis
Office, price $£ 4.25$.
aEPORTING UNIT
From the eariiest consuses of production until that for 1986 the reporting unit to the consus was the establishment. This was defined a e smallest unit which could provide the full range of data required ior an oxclude from theirretums to the censsus any non-production possibible,
4. In 1987, or a number of administrative and statistical reasons, ww system of company-based new system the reporting unit to the census is, generally, the company
but there are some exceptions. These arise, for example, for larg mixed activity companies which are asked to make separate retums $t$ the census for each of their production activitios on an ostablishmen basis. Throughout this monitor this mixture of reporting units ar
referred to as "businesses". These businesses are no longer asked to exclude non-producion activities.
5. In pracice, since most businesses, both before and atter the hange, reported for the company as a whole, litille differerence to the main economic series has resulted trom the change.
6. For most businesses, the returned data are appropriate to a sing activity heading of SIC(80) and fall within a single geographical region. Where information covers a mixture of activities, the business is class: cumbecrof dififerent to todresses then , in order the business operaless al ompiled, separate information on employment and capital expenditure is sough for each address.

## THE REGISTER

7. A register of businesses throughout the United Kingdom is held on the BSO computer and provides the basis for BSO inquiries. For each business the register contains identification particulars and information
abour its eligibility for inclusion in an inquiry, its relationship with other businesses in common ownership, tis industrial classification, the na Wonaitiy of its parent and location indicators for regional analyses. Regional and size analyses of manufacturing units are published in Business Monitor PA1003 - Size analyses of United Kingdom bust-
nesses. During 1984, for producion inguiries, the BSO moved nesses. During 1984, for production inquiries, the BSO moved to an
updated register which makes fuller use of intormation obtained from HM Customs and Excise VAT records.
8. The Annual Census and other BSO inquiries provide a maio source of information for checking the register and updating employment
data. Where businesses do not make returns to these inguiries, esticaia. Where businesses do not make returns to these inquiries, esil males of employment are imputed from VAT tumover. For businesse checked by means of register proving forms. For hus osimates as register making returns to the Quaarterly Sales Inquiry, industriai class cation is reviewed annually and is derived from an analysis of ther commodity sales. For other businosses the classification is obtaine ether irom VAT sources or from the register proving forms. Estimales o differ because they are derived trom two separate inquiries and use different procedures and employment definitions.
coverag
The Consus covers United Kingdom businesses engaged in indus and gas, electricity and and quarying, wher and gas, electricity and water supply industries (Divisions 1 10 5 of
IC(80)). Businesses in the Channel Islands and the Isle of Man are oxcluded.
9. Under the sampling arrangements agreed for the 1989 Census, orms were despalched to all establishments with 20 or more employed xcopt for those in the 20 to 49 employment sizz band located in England Where, in general a sample of 1 in 2 was taken. For industries where eears was poor, it was necessan to sizcrease or whe ser response in earilier orms were despalched in the United Kingdom for the 1989 Census.
PERIODCOVERED
10. Businesses were asked to make returns for the calondar year 1989
 wer than twelve months were acceppted for businesses which had lartedor ceasedtrading during the year.

## Estimation

2. All published Census results include estimates for non-responder unsatisfactory returns and businesses not selected for the Census.
Estimates are also made for items not coveredin the shorter Iorm sentio smallerbusinesses
3. Within employment size groups in each industry, the "average per aad" is calculated for each consus variable by dividing the total retums Uutiplied by the employm the total returmed employment. This value is on-selecced business to yield an ostimated value non tor the toonding imates for tems not collected on the shorler form are made in a similar way using returned employment.
4. The accuracy of the totals produced by adding logether estimates and returned data is mainly dependent on the level of response. The
extent to which businesses making satistactory retums account for the tal employment of any industry is shown as a percenlage in footnole (a) table 1. Thus the accura here 95 per cent ot the employment in the industry is covered by the
turns made will, in general, be better than that in an Industry Report here the coverage is is only 70 per cent.
5. Additionally, the extent to which individual headings in an Industry neport are related to employment should be taken into account in assessing the accuracy of estimated data. Thus an estimate of total amings which bears a close relationship to totol employment is likely be more accurate than an estimate of capitial exp
tionship to employment is not so clearly marked.
UPPRESSION OFINFORMATION RELATING TOINDIVIDUAL UN ERTAKINGS F. Sub-section $9(5)($ b) of the Statistics of Trade Act 1947 states that:
wrespocioany repor mary or other communication to the public of intormation obtaine
compiling any such report, summary or communication the competen hority shall so arrange it as to prevent any particulars publishe individual person or undertaking except with the provious consent in nol har person or the persson carrying onthat undernaking, as in se may be; but this provision shall not prevent the disclosure of the otal quantity or value of any articles produced, sold or delivered; so
however, that before disclosing any such total the competent authority shall have regard to any representations made to them by any lin $h$ relatingto him orto
the total disclosed."
6. Figures which would be likely to disclose particulars relating to an
individual undertaking are not published unless the contributor has given

CHANGES MADE FOR 1989
18. The 1989 Census was a benchmark one with a larger number of businesses receiving inquiry forms than had been the case with the previous 4 Censuses. Adarilional questions, tor larger businesses only,
asked tor information on road transport costs and postal and telecommunications costs. The questions relating to computer costs included in he 1988 Census, were discontinued, but those relating to the cost of

SYMBoLs USED
19. The following symbols are used throughout the PA series of
Business Monitors:
.. not available

- nilo r less than halt the final digitshown
* information suppressedto avoid disclosure

ROUNDING OF FGURES
20. Figures in the tables have been rounded to the nearest final digit where necessary and, in these instancess, the sum of the constituent may not always agree exactly with the total shown.
EXPLANATION OF TERMS USED IN THECENSUS REPORT 21. The notes and definitions given in this section are bassed on the
nstructions given to respondents as to the way in which retums were to instructions giver
be completed.

CAPITAL EXPENDITURE
22. This represents the value charged to capital account together with any other amounts which ranked as capital inems for taxation purposes dere asked to include the value of assolts acquired as lessees under
 government sources, statutory boodies or local authorities. Capital
expenditure during the year in respect of pooduction units where production had not started before the end of the year and the value of CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS by its own taff are included. The value of any assets acquired in laking over an
xisting business is exduded. The tigures include non-deducible VAT existing business is exduded. The tigures include non-doducible VAT
but exclude deductibe VAT. No allowance is made for depreciation, amrisation or obsolescence
a. onLAND ANDEXISTINGBUILDINGS
23. This represents the value of freeholds and the value or premium
payable or receivable for leaseholds accuired or disposed of. The figures payable or rreceivable for leaseholds acquired or disposed of. The figuras
or acquistions include architects' and surveyors' fees, legal fees, stamp or acquistions inclucue architect' and surveyors' 'tees, lega tees, stamp
duties, agents commissions and Land Registry fees. The figures for disposals are net of any such professional fiess payable.
b. on NEWBUILDING WORK
24. This represents the value of new building and other constructional
work such as the extension and reconstruction of old buildings, and the valke of any newly constructed buildings accuired The fignes ind the value of any newly constructed buildings acquired. The figures include
architects' and surveyorss' fees, legal fiees, stamp duties, agents' commissions andLand Registry fees.
c. on PLANT AND MACHINERY, VEHICLES
25. This represents the value of new and second-hand plant and
machinery and vehicles accquired or disposed of. The figures for machinery and vehicles acquirgd or disposed of. The figures for acquistions are net of any discounts received but include the cost of
transport and installation and Customs and Excise car tax. The figures tor disposals exclude amounts witten off lor lapital assels which are scrapped.

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

COSTOF INDUSTRIAL SERVICES RECEVED
27. This incluces amounts payable to other organisations for work done on materials supplied by the business completing the return, or repairs contracts which have been sublet. Direct payments to outworkers and

COSTOF NON-NDUSTRIAL SERVICES RECEIVED
28. Up to 1987 contributors were asked to include annual payments for assets acquired on a tinance leasing basis. From 1988 they were asked year in which they were accuired. The cost of non-industrial services year in which they were acquired. The cost of non-industrial services
rocived lincudes commercial insurance premiums, bank chargess and amounts payable to other organistions for the hire, ofverhiclos, plant and
machinery, for the rent of industrial and commercial buildings, tor the services of accountants, auditiors, agents, solicitors and surveyors other services of accountanis, audiors, agents soiciciors and surveyors other
than in connection with the acquistion or disposal of capial assets, for
 ransport within the United King dom, lor adverisn, market research elc. for the right touse patents, trace marks, copyrights etc. Tor manutracturing
and quarming rights and technical know-how. Interest payments and amounts payable for sea and air theight on goods exported and on
materials and wel imported are exxluded.

EMPLOVERS' NATIONALINSURANCE CONTRIBUTIONS ETC. 29. This includos employers' national insurance contributions under the policies providing pensions, superannuation or other retirement benefits, policies providing pensions, superannuation or otherr retirement bene itis,
sickness benefitis personal accident benefits, disability benefitis or death
 dants. Also included are contributions to canteens, social centrres,
children's and holiday homes etc. and the cost of supplying luncheon children's
vouchers.
EMPLOYMENT
30. This is the average number of ADMINISTRATIVE, TECHNICAL AN CLERICAL EMPLOYEES and OPERATIVES on the payroll and roturn. Fulltime and par-time employeess are included but outworkers (ie boople who worked in their own homes on materials supplied by the average number of employeyees returned by individual businossses may have been calculated by, for example, the average of the number of employees on the payrol it ior the last week of each calendar month.
a. ADMINISTRATIVE, TECHNICAL ANDCLERICAL
31. This includes directors who received a definite wage, salary or commission, managers, foremen, draughtsmen, editorial and advertising staft, travellers, all office employees and research and design employees xcept operatives.

> b. OPERATIVES
32. This includes all manual wage eamers including operatives in power stations, operatives engaged in outside work of erecting, fitting otc, inspeclors, maintenance workers and cleaners. Statl engaged in trans-
port (including roundsmen) and employed in warehouses, stores, shops and canteen are included.

## c. WORKING PROPRIETORS

33. These are people who are regarded as self-employed for national insurance purposes, members of their flamilise who worked in the normal worting hours and directors who worked in the business but did
not receive a definite wage, salary or commission. Par-time Directors paid by fee only and direc
commission are exduded.

ENTERPRISE
4. This is dell as one or more businesses under common owne ship or control.

GROSS OUTPUT
This is calculaled by adjusting the value of TOTAL SALES AND ORK DONE by the changes during the year of WORK IN PROGRESS and GOODS ON HAND FOR SALE.

GROSS VALUE ADDED ATFACTOR COST
This is calculaled by deducting from NET OUTPUT the COST OF LICENSING OF MOTOR VEHICLES. This ostimate of gross value added approaches more dosely than NET OUTPUT the definitition of ner

GROSS VALUE ADDED ATFACTOR COSTPERHEAD
7. This is calcularadby COSTbytoal EMPLOYMENT.
NET CAPITAL EXPENDITURE
38. This is calculated by adding to the value of NEW BUILDING WORK
acquisitions less disposals of LAND AND EXISTING BUILDINGS, acquisitions lass disposals of LAND AND
VEHICLES and PLANT AND MACHINERY.
netoutput
9. This is calculaled by deducting from GROSS OUTPUT the cost of PACKAGING AND FUEL and PURCHASES OF GOODS FOR MERCHANTING OR FACTORING, the COST OF INDUSTRIAL SERVICES ECEIVED and is adjusted tor net duties and levies otc. where applicable. Purchases are adjusted for chang
OFMATERIALS, STORES AND FUEL.
NETOUTPUTPER HEAD
40. This is calculated by dividing NET OUTPUT by total EMPLOY-

OON-INDUSTRIAL SERVICES RENDERED
4. This includes amounts charged tor the hire of vehicles, plant and
achinery, for the rent of industrial and commercial buildings, or the tight to use patents, trade marks, copyrights etc. for manufacturing and uarying nights, or lecrinica, know-how and for the provision of ansport to other organisations. It also includes revenue from staff

## perating ratios

2. These ratios are calculated using industry totals, io including the stimates for businesses not responding to or not selected for the
Census. Respondents are able to compare the ratios for their own businesses with hose lor the industry as a whole.
PURCHASES OF MATERIALS FOR USE IN PRODUCTION, AND PACKAGING AND FUEL.
CHANTINGOR FACTORING actured goods and workshop materials, replacement parts semi-manuable tools not charged to capital accounnt, packaging materials of all spes, stationery and printed matter, fuel, electricity and water, materials of alltypes used by the business or given out to others, for the production
of machinery or other capital items used in the businoss, and materials used when working on goods supplied by customers. The figures exdude VAT, purchases of machinery and plant, which are included in APITAL EXPENDITURE, and amounts payable to transport firms or materials. The figuress are net of the value of goods or packaging materials returnedto suppliers and trade discounts receivable. Materials purchased duty-paid are included at their duty-paid value lass draw-
backs, rebaies elc. Imported goods are induded at their tull dolivered

Cost. If the transport from docks or aiport of imported goods is not Included in the cost of goods purchased, the cost is entered at cifip plus duty, it applicable. Transfiers of goods trom other departments of the
business not covered by the retum are included at the estimated selling value recorded by the other departments.

## REMUNERATION PAIDTOOUTWORKERS

44. This represents amounts paid to outworkers, ie people who do
workin their own homes generally on a piece work basis, whose names appear on the payroll. Amounts paid to outworkers by subcontractors
Re included in the COST OF INDUSTRIAL SERVICES RECEIVED Estimales are not made for remuneration of outworkers lor businessses not completing Census returns.
SALES OF GOODS PRODUCED
45. This represents sales of goods during the year, whether or not they made from materiais given out to other. firm also indudes sales ol goods of waste products and rosidues. value', it the amount charged to customers whethervalues ' $x x$-works' delivered less VAT, trade discounts, agents' commissions etc and aliwances on returned goooss. Where products atrract Excise duty, ine hey are sold in bond or exported The cost ocker materis less they are sold in bond or exportred. The cost of packaging materials less
allowancoss for retumable containers is included. Sales of fixed assets and excoppional receipls are excluded. Transtirs of goods produced by business to departments not covered by the return (including other as it soldto a nindependent purchaser.
stocks
46. This represents the value of goods on hand for sale, induding goods for merchanting or factoring and of materials, stores and fuel held include any duty payable bebut exclude VAT.

WAGES ANDSALARIES
47. This represents amounts paid during the year to ADMINISTRA-
TIVE, TECHNICAL AND CLERICAL EMPLOYEES and to OPERA TIVES. All overtime payments, benuses, commissions, holiday pay TiVES. Al overime payments, bonuses, commissions, holiday pay
and redundancy payments, less any amounts rimbursed for this
purpose trom govermentin sources, ary included. No doduction is made or income tax or employees' national insurance contributions etc. Payments to WORKING PROPRIETORS, payments in kind, travelling SURANCECONTRIBUTIONS ETC. are excluded.
WORK DONE ANDINDUSTRIALSERVICESRENDERED 48. This includes amounts charged for work carried out including that
done by sub-contractors on customers' materials and amounts charged or materials supplied in the coustomess of mutech work. Industrial servicas such as repairs and maintenance, installation work and technical research and studies rendered to other organisations is also included.
For certain industries this heacing covers a wide variety of activitios, oro example, butter packed on commission in the food industries, making
up of garments, fur dressing and textile finishing in the textie industries, up of garments, fur dressing and textile tinishing in the lextile industries, printing and publishing industries. Work done is an important part of the activities of the electrical machinery and heavy engineering industries,

WORKIN PROGRES
49. This represents materials which have been partially processed and are awating further processing before being sold or transterred. ress payments received from other organisations are not deducted prog-

Output and costs, 1985-198
All United Kinglom

|  | Unit | 1985 | 1986 | 1987 | 1988 | 1989 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises | Number | 1,013 | 1,009 | 1,158 | 1,275 | 1,262 |
| Businesses | " | 1,072 | 1,061 | 1, 199 | 1,321 | 1,296 |
| Sales of goods produced | £ million | 3,649.1 | 3.458.8 | 4.249.5 | 5,159.8 | 5,694.6 |
| Work done and industrial services rendered | " | 348.7 | 394.0 | 482.8 | 879.4 | 1,008.3 |
| Capital goods produced for use within the business | " | 4.5 | 8.5 | 3.7 | 3.0 | 1.9 |
| Non-industrial services rendered | " | 24.1 | 20.1 | 54.7 | 79.0 | 104.4 |
| Goods merchanted or factored | " | 244.9 | 218.2 | 357.7 | 628.6 | 988.7 |
| Total sales and work done | " | 4,271.2 | 4,099.4 | 5,148.4 | 6,749.9 | 7,797.9 |
| Increase during the year, work in progress and goods on hand for sale | " | 28.1 | 10.5 | 23.3 | 20.8 | 34.2 |
| Gross output | $\cdots$ | 4,299.3 | 4,109.9 | 5,171.7 | 6,770.7 | 7,832.0 |
| Purchases of materials for use in production, packaging and fuel | " | 2,254.4 | 2,005.1 | 2,590.4 | 3,324.4 | 3,838.1 |
| Purchases of goods for merchanting or factoring | " | 200.4 | 178.0 | 268.0 | 479.9 | 799.6 |
| Increase during the year, stocks of materials, stores and fuel | " | 4.9 | -15.5 | 27.7 | 50.6 | 50.3 |
| Cost of industrial services received | " | 65.9 | 87.8 | 114.9 | 158.0 | 181.2 |
| Not output | " | 1,783.5 | 1,823.5 | 2,226.1 | 2,858.9 | 3,063.4 |
| Total employment | Thousand | 49.8 | 44.2 | 44.7 | 55.2 | 55.8 |
| Net output per head | £ | 35,815 | 41,298 | 49,777 | 51,835 | 54,937 |
| Cost of non-industrial services received |  |  |  |  |  |  |
| Hire of vehicles, plant and machinery | f million | 16.8 | 17.4 | 30.8 | 37.3 | 39.5 |
| Rents of industrial and commercial buildings | " | 18.5 | 16.3 | 23.9 | 30.0 | 33.5 |
| Commercial insurance premiums | " | 8.3 | 7.4 | 8.6 | 10.7 | 12.0 |
| Bank charges | " | 1.2 | 1.2 | 1.2 | 1.5 | 1.8 |
| Other non-industrial services | " | 161.1 | 135.8 | 193.5 | 300.1 | 411. 1 (b) |
| Licensing of motor vehicles | " | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 |
| Rates, excluding water rates | " | 13.5 | 12.7 | 15.1 | 19.0 | 22.2 |
| Gross value added at factor cost | " | 1,563.7 | 1,632.4 | 1,952.5 | 2,459.6 | 2,542.7 |
| Gross value added at factor cost per head | £ | 31,401 | 36,969 | 43,659 | 44,594 | 45,599 |

[^0]TABLE 2
Capital expenditure, 1985-1989 (a)
All United Kin


|  |  |  | £ million |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\boxed{1985}$ | 1986 | 1987 | 1988 | 1989 |


| New building work | 47.1 | 16.1 | 22.7 | 48.5 | 98.3 |
| :--- | :--- | :--- | :--- | :--- | :--- |


| Acquisitions | 14.0 | 10.9 | 9.4 | 14.3 | 14.1 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Disposals | 9.3 | 0.8 | 4.6 | 7.1 | 9.6 |
| $\quad$ Net | 51.8 | 26.3 | 27.5 | 55.8 | 102.7 |
| Plant and machinery |  |  |  |  |  |
| Acquisitions | 155.3 | 130.4 | 134.3 | 178.6 | 175.1 |
| Disposals | 9.7 | 9.6 | 3.5 | 9.4 | 13.1 |
| Net | 145.5 | 120.8 | 130.9 | 169.2 | 162.0 |
| Vehicles |  |  |  |  |  |
| Acquisitions | 6.0 | 7.8 | 8.9 | 18.3 | 14.1 |
| Disposals | 1.5 | 2.9 | 4.1 | 5.3 | 4.3 |
| Net | 4.6 | 4.9 | 4.7 | 13.0 | 9.8 |
| $\quad$ Total net capital expenditure | 201.9 | 152.0 | 163.1 | 238.0 | 274.5 |

(a) From 1988 contributors were asked to include as capital expenditure the value of assets acquired under finance leasing arrangements. The total value of these assets is estimated to be $£ 17.4$ million for 1988 and $£ 11.4$ million
for 1989 .

TABLE 3
Stocks and work in progress, $1985-1989$
All United Kingdom businesses classified to the industry

|  |  |  |  |  |  | £ million |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1985 | 1986 | 1987 | 1988 | 1989 | Value at end of 1989 |
|  | Increase during year |  |  |  |  |  |
| Materials,stores and fuel | 4.9 | -15.5 | 27.7 | 50.6 | 50.3 | 470.4 |
| Work in progress | 45.9 | 26.8 | 26.3 | -3.8 | 14.4 | 189.4 |
| Goods on hand for sale | -17.8 | -16.3 | -3.0 | 24.5 | 19.7 | 316.7 |
| Total | 33.0 | -5.0 | 51.1 | 71.4 | 84.5 | 976.5 |

Employment, labour costs, output, net capital expenditure and stocks
progress by size of total employment, 1989


| Total | 1,296 | 1,262 | 55.8 | 20.6 | 34.9 | 239.4 | 11,634 | 596.7 | 17,090 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(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, owning the businesses shown in each size group. Because an enterprise may own businesses.
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 $£ 139.5$ million.
The remuneration of outworkers on returns received -also excluded from the table - was $£ 331$ thousan
(d) Net capital expenditure includes the value of assets acquired under finance leasing arrangements - see Table 2.
(e) Gross value added data relate to businesses employing 1-199.


TABLE 5
Percentage analysis of twelve-month periods covered by returns received for the 1989 Census

| Accounting year ended | Percentage of total returns <br> received | Percentage of total <br> employment |  |
| :--- | :--- | :---: | :---: |
| 1989 | April 6-30 | 2.8 | 0.6 |
|  | May | 1.4 | 0.1 |
|  | June | 2.8 | 1.9 |
|  | July | 2.8 | 4.4 |
|  | August | 1.4 | 0.1 |
|  | September | 10.4 | 8.0 |
|  | October | 2.1 | 0.4 |
|  | November | 3.5 | 3.7 |
|  | December | 39.6 | 63.2 |
| 1990 | January | 2.8 | 0.3 |
|  | February | 2.8 | 0.9 |
|  | March -5 April | 27.8 | 16.4 |

## TABLE 6

Operating ratios, 1985-1989
All United Kingdom businesses classified to the industry

|  | Unit | 1985 | 1986 | 1987 | 1988 | 1989 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gross output per head | £ | 86,335 | 93, 077 | 115,642 | 122,757 | 140,455 |
| Net output per head | £ | 35.815 | 41,298 | 49,777 | 51,835 | 54,937 |
| Gross value added per head | £ | 31,401 | 36,969 | 43,659 | 44,594 | 45,599 |
| Gross value added as a percentage of gross output | \% | 36 | 40 | 38 | 36 | 33 |
| Ratio of gross output to stocks |  | 4.8 | 5.0 | 7.4 | 7.8 | 8.0 |
| Wages and salaries as a percentage of gross value added | \% | 35 | 31 | 28 | 31 | 33 |
| Ratio of operatives to administrative, technical and clerical employees |  | 0.6 | 0.6 | 0.6 | 0.5 | 0.6 |
| Wages and salaries per operative | £ | 7,714 | 8,261 | 8,939 | 9,479 | 11,634 |
| Wages and salaries per administrative, technical and clerical employee | f | 12,885 | 13,395 | 14,165 | 16,029 | 17,090 |
| Net capital expenditure per head (a) | £ | 4,054 | 3,442 | 3,647 | 4.316 | 4,924 |
| Net capital expenditure as a percentage of gross value added (a) | \% | 13 | 9 | 8 | 10 | 11 |

[^1]TABLE 7
Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1989
All United Kingdom businesses classified to the industry All United Kingdom businesses classified to the industry

(a) Average number employed during the year, including full and part-time employees and working proprietors.
(b) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and
machinery. The value also includes assets acquired under finance leasing arrangements - see Table 2 .
(c) Where a census return covered addresses in two or more regions, an estimate of the net output attributable to 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 each address was made by assuming that net output was proportionate to employment. An estimate for each
region was obtand by aggregating stimates of net output for addresses located in that region. Gross value
added at factor cost was treated similarly.

Output and costs, 1989
All United Kingdom businesses classified to each Activity Heading within the industry

|  | Unit | 3301 | 3302 |  |
| :---: | :---: | :---: | :---: | :---: |
| Enterprises(a) | Number | 139 | 1,125 |  |
| Businesses | " | 142 | 1,154 |  |
| Sales of goods produced | £ million | 281.8 | 5,412.8 |  |
| Work done and industrial services rendered |  | 28.6 | 979.8 |  |
| Capital goods produced for use within the business | " | 0.1 | 1.8 |  |
| Non-industrial services rendered | " | 20.6 | 83.8 | noth |
| Goods merchanted or factored | " | 91.9 | 896.7 | -ates |
| Total sales and work done | " | 423.0 | 7,374.9 |  |
| Increase during the year, work in progress and goods on hand for sale | " | 11.4 | 22.8 |  |
| Gross output | " | 434.4 | 7,397.7 |  |
| Purchases of materials for use in production, packaging and fuel | " | 162.3 | 3,675.8 | ¢8 |
| Purchases of goods for merchanting or factoring | " | 48.0 | 751.6 |  |
| Increase during the year, stocks of materials, stores and fuel | " | -1.2 | 51.5 | - |
| Cost of industrial services received | " | 10.8 | 170.4 |  |
| Net output | " | 212.1 | 2,851.3 |  |
| Total employment | Thousand | 7.7 | 48.1 |  |
| Not output per head | £ | 27,585 | 59,311 |  |
| Cost of non-industrial services received |  |  |  | atav |
| Hire of vehicles, plant and machinery | £ million | 6.0 | 33.4 | 1258 obterio |
| Rents of industrial and commercial buildings | " | 3.5 | 30.0 |  |
| Commercial insurance premiums | " | 1.7 | 10.2 |  |
| Bank charges | " | 0.4 | 1.4 |  |
| Other non-industrial services | " | 30.7 | 380.4 |  |
| Licensing of motor vehicles | " | 0.1 | 0.5 |  |
| Rates, excluding water rates | " | 2.6 | 19.6 |  |
| Gross value added at factor cost | " | 167.0 | 2,375.7 |  |
| Gross value added at factor cost per head | £ | 21,726 | 49,417 |  |

(a) The count of enterprises shown in each column represents the number of enterprises owning the businesses
show for each activity heading. Because an enterprise may own businesses in more than one activity 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.
table 9
Capital expenditure, 1989 (a)
All United Kingdom businesses classified to each Activity Heading within the industry

|  |  |  | £ million |
| :--- | :---: | :---: | :---: |
|  | 3301 | 3302 |  |
| Land and buildings |  |  |  |
| New building work | 3.7 | 94.6 |  |
| Land and existing buildings |  |  |  |
| Acquisitions | 0.4 | 13.6 |  |
| Disposals | - | 9.6 |  |
| Net | 4.1 | 98.6 |  |
| Plant and machinery |  |  |  |
| Acquisitions | 11.3 | 163.8 |  |
| Disposals | 0.3 | 12.8 |  |
| Net | 11.0 | 151.0 |  |
| Vehicles |  |  |  |
| Acquisitions | 2.6 | 11.5 |  |
| Disposals | 0.9 | 3.4 |  |
| Net | 1.7 | 8.1 |  |
| $\quad$ Total net capital expenditure | 16.8 | 257.7 |  |

(a) From 1988 contributors were asked to include as capital expenditure the value of
assets acquired under finance leasing arrangements - see Table assets acquired under finance leasing arrangements - see Table 2.

TABLE 10
Stocks and work in progress, 1989
All United Kingdom businesses classified to each Activity Heading within the industry

|  |  |  | £ million |
| :--- | ---: | ---: | ---: |
|  | 3301 | 3302 |  |
| 10a Increase during year |  |  |  |
| Materials, stores and fuel | -1.2 | 51.5 | 13.1 |
| Work in progress | 1.3 | 9.7 |  |
| Goods on hand for sale | 10.1 | 74.3 |  |
| Total | 10.2 |  |  |

10b Value at end of year

Materials, stores and fuel

| Work in progress | 14.8 | 174.6 |
| :--- | :--- | :--- |
| Goods on hand for sale | 31.6 | 285.1 |
| Total | 79.9 | 896.6 |

436.9

Goods on hand for sale
Total
79.9
285.1 896.6

Operating ratios, 1989
All United Kingdom businesses classified to each Activity Heading within the industry

|  | Unit | 3301 | 3302 |  |
| :---: | :---: | :---: | :---: | :---: |
| Gross output per head | £ | 56,502 | 153,881 | se ban bess. |
| Net output per head | £ | 27,585 | 59,311 |  |
| Gross value added per head | £ | 21,726 | 49,417 |  |
| Gross value added as a percentage of gross output | \% | 39 | 32 | bine me |
| Ratio of gross output to stocks | 8.0 | 5.4 | 8.3 | alyivimua |
| Wages and salaries as a percentage of gross value added | \% | 60 | 31 | stromill |
| Ratio of operatives to administrative, technical and clerical employees |  | 0.7 | 0.6 | joh |
| Wages and salaries per operative | £ | 10,208 | 11,882 |  |
| Wages and salaries per administrative, technical and clerical employee | £ | 14,902 | 17.421 | 4zoqat |
| Net capital expenditure per head (a) | £ | 2, 189 | 5,361 |  |
| Net capital expenditure as a percentage of gross value added (a) | \% | 10 | 11 |  |

(a) From 1988 contributors were asked to include as capital expenditure the value of assets
acquired under finance leasing arrangements - see Table 2.
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[^0]:    (a) Satisfactory returns accounted for 85 per cent of employment within the industry in 1989 .
    (b) Includes the cost of transport of goods by road (within the UK) of $£ 30.3$ million and postal and telecommunication
    costs of f 31.0 million. These were collected separately for 1989 but not for the other years shown in the table.

[^1]:    (a) From 1988 contributors were asked to include as capital expenditure the value of assets acquired under finance
    leasing arrangements - see Table 2.

