CENTRAL STATISTICAL OFFICE

1 STATISTICS READING ROOM
2 STATISTICS BACK UP

1 O Å ÜĞ 1 9 9 3 Leritish Library of Political & Economic Science

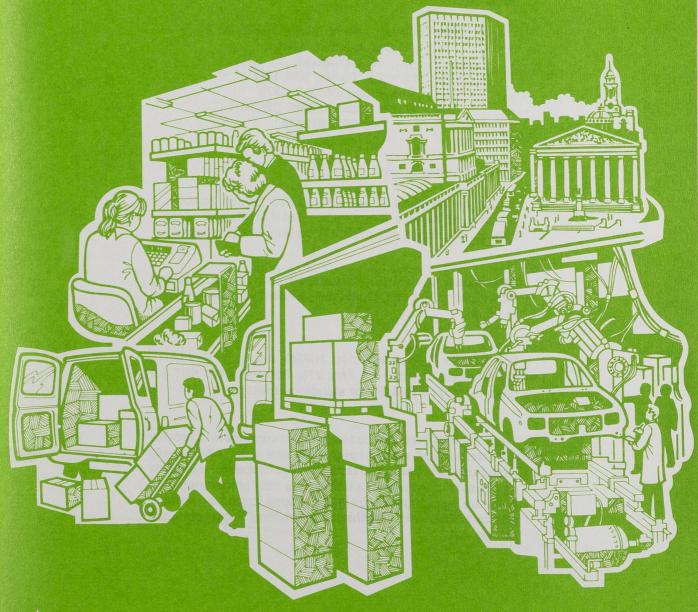
Business Monitor

PA472

Report on the Census of Production

1991

Conversion of paper and board





A publication of the Government Statistical Service

BUSINESS MONITORS

SPECIAL NOTE FOR PURCHASERS

The Central Statistical Office, aided by industry and commerce, provides a great deal of the statistical data required by Government for monitoring the economy.

Much of this data is published in the form of Business Monitors, giving information about production, sales, employment and investment.

Full details of the range of Business Monitors are available in the form of a Business Monitor brochure, which can be obtained from:

The Librarian, Central Statistical Office,
Government Buildings,
Cardiff Road,
Newport, Gwent, NP9 1XG
Telephone (0633) 812973
Telex 497121: answer back CSONPT G
Fax: 0633 812599

Standing Order Service

Placing a standing order with HMSO Books enables a customer to receive future editions of this title and/or other titles in this series automatically as they are published.

This saves the time, trouble and expense of placing individual orders and avoids the problem of knowing when to do so.

For details please write to HMSO Books (PC 13A/1), Publications Centre, PO Box 276, London SW8 5DT (or telephone 071-873 8466 for standing orders).

The standing order service also enables customers to receive automatically all material of their choice which additionally saves extensive catalogue research. The scope and selectivity of the service has been extended by new techniques, and there are more than 3,500 classifications to choose from. A special leaflet describing the service in detail may be obtained on request.

PA472

BUSINESS MONITOR

A publication of the Government Statistical Service

Report on the Census of Production 1991

Conversion of paper and board

Presented 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

London: HMSO

BUSINESS MONITORS MAKING UP THE COMPLETE CENSUS REPORT

| PA1 | 001 | Introductory notes | PA362 | Railway and tramway vehicles |
|------|-----|---|----------------|--|
| PA1 | | Coal extraction and manufacture of solid fuels | PA363 | Cycles and motor cycles |
| PA1 | | Extraction of mineral oil and natural gas | PA364 | Aerospace equipment manufacturing and repairing |
| PA1 | | Mineral oil processing | PA365 | Miscellaneous vehicles |
| PA1 | | Production and distribution of electricity | PA371 | Measuring, checking and precision instruments and |
| PA1 | | Public gas supply | D4070 | apparatus |
| PA1 | | Water supply industry | PA372 | Medical and surgical equipment and orthopaedic |
| PA2 | | Iron and steel industry | D4070 | appliances |
| PA2 | | Steel tubes | PA373 | Optical precision instruments and photographic |
| PA2 | | Drawing, cold rolling and cold forming of steel | D4074 | equipment |
| PA2 | | Non-ferrous metals industry | PA374 | Clocks, watches and other timing devices |
| PA2 | | Extraction of stone, clay, sand and gravel | PA411 | Organic oils and fats |
| PA2 | | Extraction of miscellaneous minerals (including salt) | PA412 | Slaughtering of animals and production of meat and by- |
| PA2 | | Structural clay products | D4440 | products |
| PA2 | | Cement, lime and plaster | PA413 | Preparation of milk and milk products |
| PA2 | | Building products of concrete, cement or plaster | PA414 | Processing of fruit and vegetables |
| PA2 | | Asbestos goods | PA415 | Fish processing |
| PA2 | | Working of stone and other non-metallic minerals | PA416 | Grain milling |
| PA2 | | Abrasive products | PA419 | Bread, biscuits and flour confectionery |
| PA2 | | Glass and glassware | PA420 | Sugar and sugar by-products |
| PA24 | | Refractory and ceramic goods | PA421 | Ice-cream, cocoa, chocolate and sugar confectionery |
| PA2 | | Basic industrial chemicals | PA422 | Animal feeding stuffs |
| PA2 | | Paints, varnishes and printing ink | PA423 PA424 | Starch and miscellaneous foods |
| PA2 | 90 | Specialised chemical products mainly for industrial and | PA424 PA426 | Spirit distilling and compounding |
| DAGE | -7 | agricultural purposes | PA426 PA427 | Wines, cider and perry |
| PA25 | | Pharmaceutical products | PA427 PA428 | Brewing and malting Soft drinks |
| | | Soap and toilet preparations | | |
| PA25 | 9 | Specialised chemical products mainly for household | PA429 | Tobacco industry |
| DAGG | | and office use | PA431 PA432 | Woollen and worsted industry |
| PA26 | | Production of man-made fibres | | Cotton and silk industries |
| PA31 | | Foundries | PA433 | Throwing, texturing, etc. of continuous filament yarn |
| PA31 | | Forging, pressing and stamping | PA434 | Spinning and weaving of flax, hemp and ramie |
| PA31 | 13 | Bolts, nuts, etc.; springs; non-precision | PA435 | Jute and polypropylene yarns and fabrics |
| DAG | | chains; metals treatment | PA436 | Hosiery and other knitted goods |
| PA31 | | Metal doors, windows, etc. | PA437 | Textile finishing |
| PA31 | | Hand tools and finished metal goods | PA438 | Carpets and other textile floorcoverings |
| PA32 | | Industrial plant and steelwork | PA439 | Miscellaneous textiles |
| PA32 | | Agricultural machinery and tractors | PA441 PA442 | Leather (tanning and dressing) and fellmongery |
| PA32 | | Metal-working machine tools and engineers' tools | PA451 | Leather goods Footwear |
| PA32 | | Textile machinery Machinery for the food, chemical and related indus | PA451 | Clothing, hats and gloves (including fur goods) |
| FASE | 24 | Machinery for the food, chemical and related indus- | PA455 | Household textiles and other made-up textiles |
| PA32 | 05 | tries; process engineering contractors | PA461 | Sawmilling, planing, etc. of wood |
| FASZ | 23 | Mining machinery, construction and mechanical handling equipment | PA462 | Manufacture of semi-finished wood products and |
| PA32 | 06 | Mechanical power transmission equipment | FA402 | |
| PA32 | | Machinery for printing, paper, wood, leather, rubber, | PA463 | further processing and treatment of wood |
| FASZ | | glass and related industries: laundry and dry cleaning | PA464 | Builders' carpentry and joinery Wooden containers |
| | | | PA465 | Miscellaneous wooden articles |
| DAGG | 00 | machinery | | |
| PA32 | | Miscellaneous machinery and mechanical equipment | PA466 | Articles of cork and plaiting materials, brushes and |
| PA32 | | Ordnance, small arms and ammunition | DA 407 | brooms |
| PA33 | 30 | Manufacture of office machinery and data processing | PA467 | Wooden and upholstered furniture and shop and office |
| D404 | | equipment | D4.474 | fittings |
| PA34 | | Insulated wires and cables | PA471 | Pulp, paper and board |
| PA34 | | Basic electrical equipment | PA472 | Conversion of paper and board |
| PA34 | 3 | Electrical equipment for industrial use, and batteries | PA475 | Printing and publishing |
| DAGA | | and accumulators | PA481 | Rubber products |
| PA34 | 4 | Telecommunication equipment, electrical measuring | PA483 | Processing of plastics |
| | | equipment, electronic capital goods and passive | PA491 | Jewellery and coins |
| D404 | _ | electronic components | PA492 | Musical instruments |
| PA34 | | Miscellaneous electronic equipment | PA493 | Photographic and cinematographic processing |
| PA34 | | Domestic-type electric appliances | | laboratories |
| PA34 | | Electric lamps and other electric lighting equipment | PA494 | Toys and sports goods |
| PA35 | | Motor vehicles and their engines | PA495 | Miscellaneous manufacturing industries |
| PA35 | | Motor vehicle bodies, trailers and caravans | PA500 | Construction |
| PA35 | | Motor vehicle parts | PA1002 | Summary volume |
| PA36 | 1 | Shipbuilding and repairing | | |

PA472 CONVERSION OF PAPER AND BOARD

PA472

The information in this report relates to businesses classified to the Conversion of paper and board industry, Group 472 in the Standard Industrial Classification Revised 1980. The Industry Group covers the following Activity Headings:-

721 Wallcoverings

Manufacture of wallpaper including paper-backed vinyl wallcoverings. Manufacture of other decorative wallcoverings of paper and board and of fabric wallcoverings is included.

4722 Household and personal hygiene products of paper

Manufacture of household and sanitary goods, toilet requisites and underwear based on paper, etc.

4723 Stationery

- 1. Notepaper
- 2. Binders, etc.

4724 Packaging products of paper and pulp

- 1. Sacks and bags
- 2. Other

4725 Packaging products of board

- Fibre board packing cases
 - 2. Rigid boxes
 - 3. Cartons, etc.

4728 Other paper and board products

Manufacture of products of paper, board, papier mache or woodpulp not elsewhere specified. Toys and games of paper are classified to Group 494. Playing cards are classified to Group 475 and sensitized photographic paper to Group 259.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page 4.

LIST OF CONTENTS

| | | | Page |
|-----------|---|--------------------|-------|
| Explanato | ry notes and definitions | | 4-7 |
| Table 1 | Output and costs, 1987-1991 | | 8 |
| Table 2 | Capital expenditure, 1987-1991 | | 9 |
| Table 3 | Stocks and work in progress, 1987-1991 | | 9 |
| Table 4 | Employment, labour costs, output, net capital expenditur stocks and work in progress by size of total employment | e and , 1991 | 10-11 |
| Table 5 | Percentage analysis of twelve-month periods covered by received for the 1991 Census by number of returns and employment | r returns total | 12 |
| Table 6 | Operating ratios, 1987-1991 | | 12 |
| Table 7 | Regional distribution of employment, net capital expendit | ure, net | |
| | output and gross value added at factor cost, 1991 | | 13 |
| Table 8 | Output and costs by activity heading, 1991 | | 14-15 |
| Table 9 | Capital expenditure by activity heading, 1991 | | 16-17 |
| Table 10 | Stocks and work in progress by activity heading, 1991 | | 16-17 |
| Table 11 | Operating ratios by activity heading, 1991 | | 18 |
| | | | |

EXPLANATORY NOTES AND DEFINITIONS INTRODUCTION

- 1. These notes give basic information to help with the interpretation of tables in this Industry Report. More general information about the Census is given in a separate Business Monitor Report on the Census of Production, Introductory Notes (PA 1001).
- 2. Since 1980, Censuses have been conducted on the Standard Industrial Classification Revised 1980 SIC(80). The Standard Industrial Classification exists to promote uniformity and comparability in the official statistics of the United Kingdom. The SIC(80) is the result of an attempt to align the United Kingdom classification with the General Industrial Classification of Economic Activities within the European Communities (NACE). It is based on activity rather than commodities produced. A full description of SIC(80) is given in Standard Industrial Classification Revised 1980, obtainable from HMSO, price £4.25.

REPORTING UNIT

- 3. From the earliest censuses of production until that for 1986 the 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 exclude from their returns to the census any non-production activity.
- 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, the company, but there are some exceptions. These arise, for example, 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 mixture of reporting units are referred to as "businesses". These businesses are no longer asked to exclude non-production activities.
- 5. In practice, since most businesses, both before and after the change, reported for the company as a whole, little 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(80) and fall within a single geographical region. Where information covers a mixture of activities, the business is classified according to the main activity. Where the business operates at a number of different addresses then, in order to enable regional data to be compiled, separate information on employment and capital expenditure is sought for each

THE REGISTER

7. A register of businesses throughout the United Kingdom is held on the CSO computer and provides the basis for CSO inquiries. For each business the register contains identification particulars and information about its eligibility for inclusion in an inquiry, its relationship with other businesses in common ownership, its industrial classification, the nationality 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 businesses.

The Annual Census and other CSO inquiries provide a major source of information for checking the register and updating employment data. Where businesses do not make returns to these inquiries, estimates of employment are imputed from VAT turnover. For businesses which have an imputed employment of 11 or more, the estimates are checked by means of register proving forms. For businesses on the register making returns to the Quarterly or Annual Sales Inquiries, industrial classification is reviewed annually and is derived from an analysis of their commodity sales. For other businesses the classification is obtained either from VAT sources or from the register proving forms. Estimates of employment made by the CSO and the Department of Employment differ because they are derived from two separate inquiries and use different procedures and employment definitions.

COVERAGE

- 9. The 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 SIC(80)). Businesses in the Channel Islands and the Isle of Man are excluded.
- 10. Under the sampling arrangements agreed for the 1991 Census, forms were despatched to all businesses with 100 or more employed and, for most production industries, samples of 1 in 4 and 1 in 2 respectively being taken for businesses in the 20 to 49 and 50 to 99 employment size bands. It was necessary to increase the sample in those industries where there were few businesses in the sample size band or where response in earlier years was poor. About 16,600 forms were despatched in the United Kingdom for the 1991 Census.

PERIOD COVERED

11. Businesses were asked to make returns for the calendar year 1991 but, where this was not possible, returns for business years ending between 6 April 1991 and 5 April 1992 were accepted. Returns covering fewer than twelve months were accepted for businesses which had started or ceased trading during the year.

ESTIMATION

- 12. All published Census results include estimates for non-responders, unsatisfactory returns and businesses not selected for the Census. Estimates are also made for items not covered in the shorter form sent to smaller businesses.
- 13. Within employment size groups in each industry, the "average per head" is calculated for each census variable by dividing the total returns value for each variable by the total returned employment. This value is multiplied by the employment thought to exist in each non-responding or non-selected business to yield an estimated value for that business. Estimates for items not collected on the shorter form are made in a similar way using returned employment.

- 14. The accuracy of the totals produced by adding together estimates and returned data is mainly dependent on the level of response. The extent to which businesses making satisfactory returns account for the total employment of any industry is shown as a percentage in footnote (a) to table 1. Thus the accuracy of the data published in an Industry Report where 95 per cent of the employment in the industry is covered by the returns made will, in general, be better than that in an Industry Report where the coverage is only 70 per cent.
- 15. Additionally, the extent to which individual headings in an Industry Report are related to employment should be taken into account in assessing the accuracy of estimated data. Thus an estimate of total earnings which bears a close relationship to total employment is likely to be more accurate than an estimate of capital expenditure where the relationship to employment is not so clearly marked.

SUPPRESSION OF INFORMATION RELATING TO INDIVIDUAL UNDERTAKINGS

- 16. Sub-section 9(5)(b) of the Statistics of Trade Act 1947 states that:
- 'The following provisions shall have effect with respect to any report, summary or other communication to the public of information obtained under the foregoing provisions of this Act
 - in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total 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 any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deducted from the total disclosed."
- 17. Figures which would be likely to disclose particulars relating to an individual undertaking are not published unless the contributor has given written consent for their publication.

CHANGES MADE FOR 1991

18. The 1991 census like that that for 1990 was a slimline one. An additional breakdown on capital and current costs associated with pollution prevention and solid waste management was included.

SYMBOLS USED

- 19. The following symbols are used throughout the PA series of Business Monitors:
 - .. not available
 - nil or less than half the final digit shown
 - * information suppressed to avoid disclosure
 - R revised

ROUNDING OF FIGURES

20. Figures in the tables have been rounded to the nearest final digit where necessary and, in these instances, the sum of the constituent items may not always agree exactly with the total 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 were to be completed.

CAPITAL EXPENDITURE

This represents the value charged to capital account together with any other amounts which ranked as capital items for taxation purposes during the year to which each return related. From 1988 contributors were asked to include the value of assets acquired as lessees under finance leasing arrangements. The value is inclusive of any amounts received or expected to be received in grants and/or allowances from government sources, statutory bodies or local authorities. Capital expenditure during the year in respect of production 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 staff are included. The value of any assets acquired in taking over an existing business is excluded. The figures include nondeductible VAT but exclude deductible VAT. No allowance is made for depreciation, amortisation or obsolescence

a. on LAND AND EXISTING BUILDINGS

23. This represents the value of freeholds and the value or premium payable or receivable for leaseholds acquired or disposed of. The figures for acquisitions include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees. The figures for disposals are net of any such professional fees payable.

b. on NEW BUILDING WORK

24. This represents the value of new building and other constructional work such as the extension and reconstruction of old buildings, and the value of any newly constructed buildings acquired. The figures include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees.

c. 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 acquisitions are net of any discounts received but include the cost of transport and installation and Customs and Excise car tax. The figures for disposals exclude amounts written off for capital assets 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 during the year 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 of rented buildings, and for contracts which have been sublet. Direct payments to outworkers and amounts charged to capital account are excluded.

COST OF NON-INDUSTRIAL SERVICES RECEIVED

Up to 1987 contributors were asked to include annual payments for assets acquired on a finance leasing basis. From 1988 they were asked to include the total value of such assets as capital expenditure during the year in which they were acquired. The cost of non-industrial services received 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 buildings, for the services of accountants, auditors, agents, solicitors and surveyors other than in connection with the acquisition or disposal of capital assets, for postal and telecommunications services, for carriage by all forms of transport within the United Kingdom, for advertising, market research etc, for the right to use patents, trade marks, copyrights etc, for manufacturing and quarrying rights and technical knowledge. Interest payments and amounts payable for sea and air freight on goods exported and on materials and fuel imported are excluded.

EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC

29. This includes employers' national insurance contributions under the Social Security Pensions Act 1975, commercial insurance premiums for policies providing pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability benefits or death benefits for employees, including former employees, or their dependants. Also included are contributors to canteens, social centres, children's and holiday homes etc and the cost of supplying luncheon vouchers.

EMPL OYMENT

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

a. ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES

31. This includes directors who received a definite wage, salary or commission, managers, foremen, draughtsmen, editorial and advertising staff, travellers, all office employees and research and design employees except operatives.

b. OPERATIVES

32. This includes all manual wage earners including operatives in power stations, operatives engaged in outside work of erecting, fitting etc, inspectors, maintenance workers and cleaners. Staff engaged in transport (including roundsmen) and employed in warehouses, stores, shops and canteen are included.

. WORKING PROPRIETORS

33. These are people who are regarded as selfemployed for national insurance purposes, members of their families who worked in the business without receiving a definite wage or salary for at least half the normal working hours and directors who worked in the business but did not receive a definite wage, salary or commission. Part-time Directors paid by fee only and directors who received a definite wage, salary or commission are excluded.

FNTERPRISE

34. This is defined as one or more businesses under common ownership or control.

GROSS OUTPUT

35. This is calculated by adjusting the value of TOTAL SALES AND WORK DONE by the changes during the year of WORKING PROGRESS and GOODS ON HAND FOR SALE.

GROSS VALUE ADDED AT FACTOR COST

36. This is calculated by deducting from NET OUTPUT the COST OF NON-INDUSTRIAL SERVICES RECEIVED, RATES and the cost of LICENSING OF MOTOR VEHICLES. This estimate of gross value added approaches more closely than NET OUTPUT the definition of net output or value added in national accounts statistics.

GROSS VALUE ADDED AT FACTOR COST PER HEAD

37. This is calculated by dividing GROSS VALUE ADDED AT FACTOR COST by total 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, VEHICLES and PLANT AND MACHINERY.

NET OUTPUT

39. This is calculated by deducting from GROSS OUTPUT the cost of PURCHASES OF MATERIALS FOR USE IN PRODUCTION AND PACKAGING AND FUEL and PURCHASES OF GOODS FOR MERCHANTING OR FACTORING, the COST OF INDUSTRIAL SERVICES RECEIVED and is adjusted for net duties and levies etc where applicable. Purchases are adjusted for changes during the year of STOCKS OF MATERIALS, STORES AND FUEL.

NET OUTPUT PER HEAD

40. This is calculated by dividing NET OUTPUT by total EMPLOYMENT.

NON-INDUSTRIAL SERVICES RENDERED

41. This includes amounts charged for the hire of vehicles, plant and machinery, for the rent of industrial and commercial buildings, for the right to use patents, trade marks, copyrights etc, for manufacturing and quarrying rights, for technical know-how and for the provision of transport to other organisations. It also includes revenue from staff facilities such as canteens.

OPERATING RATIOS

42. These ratios are calculated using industry totals, ie including the estimates for businesses not responding to or not selected for the Census. Respondents are able to compare the ratios for their 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 MERCHANTING OR FACTORING

These include the cost of raw materials, components, semi-manufactured goods and workshop materials, replacement parts and consumable tools not charged to capital account, packaging materials of all types, stationery and printed matter, fuel, electricity and water, materials of all types used by the business or given out to others, for the production of machinery or other capital items used in the business, and materials used when working on goods supplied by customers. The figures exclude VAT, purchases of machinery and plant, which are included in CAPITAL EXPENDITURE, and amounts payable to transport firms or credited to the business's own transport departments for delivery of materials. The figures are net of the value of goods or packaging materials returned to suppliers and trade discounts receivable. Materials purchased duty-paid are included at their duty-paid value less drawbacks, rebates etc. Imported goods are included at their full delivered cost. If the transport from docks or airport of imported goods is not included in the cost of goods purchased, the cost is entered at cif plus duty, if applicable. Transfers of goods from other departments of the business not covered by the return are included at the 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 names appear on the payroll. Amounts paid to outworkers by subcontractors are included in the COST OF INDUSTRIAL SERVICES RECEIVED. Estimates are 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, 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 customers whether values 'ex-works' or 'delivered' less VAT, trade discounts, agents' commissions etc and allowances on returned goods. Where products attract Excise duty, the value includes duty if the goods are sold 'duty-paid', but

excludes it if they are sold in bond or exported. The cost of packaging materials less allowances 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 (including other businesses in the same enterprise group) are treated as sales, valued as if sold to an independent purchaser.

STOCKS

46. 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. Values include any duty payable but exclude VAT

WAGES AND SALARIES

47. This represents amounts paid during the year to ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES 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 PROPRIETORS, payments in kind, travelling expenses, lodging allowances etc and EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC are excluded.

WORK DONE AND INDUSTRIAL SERVICES RENDERED

This includes amounts charged for work carried out including that done by sub-contractors on customers' materials and amounts charged for materials supplied in the course of such work. Industrial services such as repairs and maintenance, installation work and technical research and studies rendered to other organisations is also included. For certain industries this heading covers a wide variety of activities, for example, butter packed on commission in the food industries, making up of garments, fur dressing and textile finishing in the textile industries, and preparatory work on typesetting, block making and binding in the printing and publishing industries. Work done is an important part of the activities of the electrical machinery and heavy engineering industries, and includes erection, installation and repair and jobbing work.

WORK IN PROGRESS

49. This represents materials which have been partially processed and are 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.

TABLE 1

Output and costs, 1987-1991 All United Kingdom businesses classified to the industry (a)

| 7. benut sent eren laturenen sennttes | Unit | 1987 | 1988 | 1989 | 1990 | 1991 |
|---|--|-----------|------------------|-----------|-----------|-----------|
| probabilities courses and the Assumed | Number | 2 F24 | 2, 586 | 2, 663 | 2, 576 | 2, 509 |
| Enterprise groups | Number | 2, 534 | n pega jot inco. | 2, 910 | 2, 801 | 2, 715 |
| Businesses | | 2, 794 | 2, 846 | | 6, 644. 9 | 6, 768. 1 |
| Sales of goods produced | £ million | 5, 329. 6 | 6, 035. 3 | 6, 321. 9 | 0, 044. 9 | 0, 700. 1 |
| Work done and industrial services rendered | AND METALS. | 39. 3 | 27. 9 | 45. 5 | 44. 2 | 35. 5 |
| Capital goods produced for use within the business | CALLER CANES | 7. 9 | 6. 1 | 5. 6 | 10. 4 | 9. 7 |
| Non-industrial services rendered | " | 23. 5 | 27. 7 | 30. 1 | 29. 9 | 12. 9 |
| Goods merchanted or factored | | 447. 8 | 512. 4 | 687. 0 | 464. 0 | 397. 9 |
| Total sales and work done | " | 5, 848. 1 | 6, 609. 4 | 7, 090. 1 | 7, 193. 4 | 7, 224. 1 |
| Increase during the year, work in progress and goods on hand for sale | 161 893 34659 341 1 10 382 3 | 32. 4 | 39. 2 | 33. 5 | 7. 3 | -13. 2 |
| Gross output | CO | 5, 880. 4 | 6, 648. 7 | 7, 123. 6 | 7, 200. 7 | 7, 211. 0 |
| Purchases of materials for use in production, packaging and fuel | n e | 2, 796. 9 | 3, 177. 1 | 3, 382. 5 | 3, 437. 9 | 3, 383. 8 |
| Purchases of goods for merchanting or actoring | and the second | 334. 3 | 380. 7 | 495. 8 | 330. 6 | 294. 6 |
| ncrease during the year, stocks of materials, stores and fuel | | 15. 0 | 24. 1 | -2. 4 | -23. 9 | -30. 8 |
| Cost of industrial services received | | 128. 3 | 133. 1 | 147. 6 | 147. 0 | 164. 6 |
| Net output | 1949 " 1949 | 2, 635. 9 | 2, 981. 8 | 3, 095. 4 | 3, 261. 3 | 3, 337. 1 |
| Total employment | Thousand | 119. 4 | 121. 8 | 122. 8 | 116. 4 | 111. 2 |
| Net output per head | £ | 22, 068 | 24, 473 | 25, 199 | 28, 022 | 30, 023 |
| Cost of non-industrial services received | | | | | | |
| Hire of vehicles, plant and machinery | £ million | 42. 4 | 45. 2 | 44. 0 | 49. 0 | 59. 1 |
| Rents of industrial and commercial buildings | u u | 30. 3 | 34. 7 | 41. 9 | 46. 8 | 50. 9 |
| Commercial insurance premiums | n sala | 26. 2 | 29. 0 | 31. 4 | 31. 2 | 32. 9 |
| Bank charges | н | 2. 9 | 3. 4 | 3. 9 | 4. 4 | 4. 6 |
| Other non-industrial services | | 434. 9 | 490. 1 | 510. 9 | 576. 3 | 632. 0 |
| Licensing of motor vehicles | " | 2. 1 | 2. 1 | 2. 1 | 1. 9 | 1. 7 |
| Rates, excluding water rates | n e | 53. 2 | 57. 4 | 63. 5 | 60. 4 | 60. 9 |
| Gross value added at factor cost | n . | 2, 043. 9 | 2, 319. 9 | 2, 397. 7 | 2, 491. 2 | 2, 495. 0 |
| Gross value added at factor cost per head | £ | 17, 112 | 19, 041 | 19, 519 | 21, 405 | 22, 446 |

⁽a) Satisfactory returns accounted for 73 per cent of employment within the industry in 1991.

TABLE 2

PA472

Capital expenditure, 1987-1991 (a)
All United Kingdom businesses classified to the industry

PA472

| | | | | | ecenizao mo | million |
|-------------------------------|--------|--------|--------|--------|-------------|----------------|
| and stray | 1987 | 1988 | 1989 | 1990 | 1991 | And work QUOTE |
| Land and buildings | | | | | | |
| New building work | 14. 1 | 24. 6 | 35. 3 | 32. 7 | 36. 5 | |
| Land and existing buildings | | | | | | |
| Acquisitions | 10. 2 | 18. 6 | 32. 0 | 36. 5 | 15. 2 | |
| Disposals | 14. 6 | 8.8 | 23. 3 | 15. 6 | 6. 2 | |
| Net | 9. 6 | 34. 4 | 44. 0 | 53. 7 | 45. 5 | |
| Plant and machinery | | | | | | |
| Acquisitions | 235. 4 | 300. 8 | 301. 2 | 305. 9 | 334. 5 | |
| Disposals | 17. 3 | 27. 0 | 33. 0 | 64. 9 | 27. 2 | |
| Net | 218. 1 | 273. 8 | 268. 2 | 240. 9 | 307. 3 | |
| /ehicles | | | | | | |
| Acquisitions | 26. 7 | 30. 5 | 34. 7 | 28. 3 | 25. 3 | |
| Disposals | 11. 2 | 11. 2 | 13. 6 | 10. 5 | 9. 7 | |
| Net | 15. 5 | 19. 3 | 21. 0 | 17. 8 | 15. 6 | |
| Total net capital expenditure | 243. 2 | 327. 5 | 333. 3 | 312. 4 | 368. 4 | |

⁽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 £76.4 million for 1991.

TABLE 3

Stocks and work in progress, 1987-1991 All United Kingdom businesses classified to the industry

| | | | | | | £ million |
|----------------------------|-------|-------|---------------|--------|--------|-------------------------|
| | 1987 | 1988 | 1989 | 1990 | 1991 | Value at end of 1991 |
| | | Inc | crease during | year | | |
| Materials, stores and fuel | 15. 0 | 24. 1 | -2. 4 | -23. 9 | -30. 8 | 326. 0 |
| Nork in progress | 6. 1 | 16. 8 | 2. 2 | -1.6 | -6. 7 | 121. 3 |
| Goods on hand for sale | 26. 3 | 22. 4 | 31. 3 | 8. 9 | -6. 5 | 329. 8 |
| Total | 47. 4 | 63. 3 | 31. 1 | -16. 6 | -44. 0 | 777. 2 |
| | | | | | | |

TABLE 4

Employment, labour costs, output, net capital expenditure and stocks and work in progress by size of total employment, 1991

All United Kingdom businesses classified to the industry (a)

| Size group | Busin- E esses | nterprise groups (b) | Employment | - 3887 | | Wages and | salaries (c) | | |
|---------------|-------------------|----------------------------|---|----------|--|------------|--------------|--|-------------|
| | | | Total Opera- including tives working proprietors | | Administr- ative,tech- nical and clerical | Operatives | a senil | Administrative, technical and clerical | |
| | | | | | | Total | per head | Total | per head |
| | Number | Number | Thousand | Thousand | Thousand | £ million | £ | £ million | £ |
| 1–9 | 1, 573 | 1, 567 | 4. 9) | | | | | | |
| 10-19 | 248 | 246 | 3. 7 | 27. 0 | 9. 8 | 304. 5 | 11, 267 | 163. 5 | 16, 767 |
| 20-49 | 393 | 369 | 12. 6 | 33 | 1,075 | | | | |
| 50-99 | 231 | 211 | 16. 4) | | | | | | |
| 100-199 | 151 | 121 | 21.8 | 16. 0 | 5. 8 | 193. 3 | 12, 113 | 97. 0 | 16, 740 |
| 200-299 | 50 | 43 | 11.9 | 8.8 | 3. 1 | 106. 3 | 12, 041 | 53. 5 | 17, 360 |
| 300-399 | 30 | 24 | 10. 5 | 7. 7 | 2. 7 | 110. 4 | 14, 288 | 46. 0 | 16, 844 |
| 400-499 | 15 | 12 | 6. 6 | 4. 6 | 2. 0 | 65. 2 | 14, 092 | 33. 6 | 16, 828 |
| 500-749 | 12 | 11 | 7. 2 | 4. 7 | 2. 5 | 68. 7 | 14, 611 | 43. 4 | 17, 574 |
| 750-999 | 5 | 5 | 4. 1 | 2. 9 | 1. 2 | 38. 3 | 13, 241 | 21. 2 | 17, 991 |
| 1, 000-1, 499 | 3 | 3 | 3. 4 | 2. 1 | 1.3 | 25. 0 | 12, 166 | 19. 9 | 14, 984 |
| 1, 500-Plus | 4 | 4 | 8. 1 | 5. 7 | 2. 5 | 86. 3 | 15, 229 | 57. 1 | 23, 037 |

| Total | 2, 715 | 2, 509 | 111. 2 | 79. 5 | 30.8 | 998. 2 | 12, 556 | 535. 3 | 17, 371 |
|-------|--------|--------|--------|-------|------|--------|---------|--------|---------|
| | | | | | | | | | |

⁽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.

| Total sales and work done | Gross output | Net output | otes ment | Gross value added at factor cost | 9091 | Net capital expenditure (d) | Total stocks and work in progress at end of year |
|--|-----------------|---------------|------------|--|------------|-----------------------------|---|
| | | | | | | | Mala or your |
| | | | | | | | |
| | | | | | | | |
| | | Total | per | Total | per | | |
| | | | head | 6.4 | head | | |
| £ million | £ million | £ million | - <u>f</u> | £ million | £ | 6 | edo <u>lish</u> 5 |
| LA CONTRACTOR OF THE CONTRACTO | 2 | L million | _ | 1 million | L | £ million | £ million |
| | | | | | | | |
| 2, 087. 3 | 2, 092. 3 | 932. 7 | 24, 790 | (e) | (e) | 80. 3 | 228. 0 |
| | | | | | | | |
| 1, 417. 0 | 1, 412. 8 | 611. 7 | 28, 115 | 1, 177. 4(e) | 19, 822(e) | 67. 9 | 152. 7 |
| 745. 4 | 743. 9 | 323. 8 | 27, 194 | 253. 4 | 21, 282 | 42. 7 | 80. 2 |
| 785. 3 | 781. 8 | 328. 4 | 31, 401 | 264. 6 | 25, 300 | 24. 2 | 71. 5 |
| 440. 1 | 443. 2 | 206. 0 | 31, 085 | 168. 3 | 25, 393 | 18. 1 | 54. 2 |
| 459. 3 | 456. 8 | 208. 2 | 29, 007 | 165. 1 | 23, 000 | 12. 0 | 49. 8 |
| 274. 7 | 271. 0 | 154. 6 | 37, 965 | 104. 8 | 25, 736 | 19. 7 | 31. 4 |
| 239. 7 | 239. 4 | 149. 7 | 44, 182 | 116. 7 | 34, 423 | 5. 6 | 23. 1 |
| 775. 3 | 769. 9 | 422. 1 | 51, 830 | 244. 9 | 30, 067 | 97. 9 | 86. 2 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | 21, 465 | | | | | | |
| | | | | | | | |
| 7, 224. 1 | 7, 211. 0 | 3, 337. 1 | 30, 023 | 2, 495. 0 | 22, 446 | 368. 4 | 777. 2 |

PA472

⁽b) The count of enterprise groups shown in each row represents the number of enterprise groups, irrespective of size, owning the businesses shown in each size group. Because an enterprise group may own businesses in more than one size group, the sum of individual enterprise group 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 £199 million. The remuneration of outworkers on returns received - also excluded from the table - was £1.8 million.

⁽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.

PA472

TABLE 7

Percentage analysis of twelve-month periods covered by returns received for the 1991 Census by number of returns and total employment

| Account | Accounting year ended | | entage of total | returns | Percentage of total employment | | | | |
|---------|-----------------------|--|-----------------|---------|--------------------------------|-------|------------|--|--|
| 1991 | April 6-30 | | 3. 8 | | 100100 | 3. 2 | deser in a | | |
| | May | | 0. 9 | | | 0. 4 | | | |
| | June | | 5. 5 | | | 3. 4 | | | |
| | July | | 2. 1 | | | 1. 4 | | | |
| | August | | 2. 6 | | | 1. 2 | | | |
| | September | | 4. 3 | | | 4. 0 | | | |
| | October | | 2. 8 | | | 1. 1 | | | |
| | November | | 4. 5 | | | 7. 1 | | | |
| | December | | 47. 3 | | | 58. 0 | | | |
| 1992 | January | | 4. 7 | | | 3. 7 | | | |
| | February | | 3. 0 | | | 2. 4 | | | |
| | 1 March - 5 April | | 18. 6 | | | 13. 9 | | | |
| | | | | | | | | | |

TABLE 6

Operating ratios, 1987-1991

All United Kingdom businesses classified to the industry

| | Unit | 1987 | 1988 | 1989 | 1990 | 1991 |
|---|------|---------|---------|---------|---------|---------|
| | - | - | | | | - |
| Gross output per head | £ | 49, 232 | 54, 570 | 57, 992 | 61, 869 | 64, 874 |
| Net output per head | £ | 22, 068 | 24, 473 | 25, 199 | 28, 022 | 30, 023 |
| Gross value added per head | £ | 17, 112 | 19, 041 | 19, 519 | 21, 405 | 22, 446 |
| Gross value added as a percentage of gross output | . % | 35 | 35 | 34 | 35 | 35 |
| Ratio of gross output to stocks | | 7. 8 | 7. 9 | 8. 2 | 8. 6 | 9. 3 |
| Vages and salaries as a percentage of ross value added | % | 59 | 58 | 59 | 60 | 62 |
| latio of operatives to administrative, echnical and clerical employees | | 2. 6 | 2. 5 | 2. 5 | 2. 6 | 2. 6 |
| Vages and salaries per operative | £ | 9, 443 | 10, 122 | 10, 688 | 11, 844 | 12, 556 |
| Vages and salaries per administrative, echnical and clerical employee | £ | 12, 188 | 13, 334 | 14, 204 | 15, 829 | 17, 371 |
| let capital expenditure per head (a) | £ | 2, 036 | 2, 688 | 2, 713 | 2, 684 | 3, 314 |
| let capital expenditure as a percentage f gross value added (a) | % | 12 | 14 | 14 | 13 | 15 |

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

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1991 All United Kingdom businesses classified to the industry

| Area | Total employment (a) | | | Net capital expenditure (b) | | out | added a | Gross value added at factor cost (c) | |
|-----------------------------|----------------------------|----------|-------------------|-----------------------------------|-------------------|--------------|-------------------|---|-------------------|
| 0 Ac652 4 | 270. 1 | Thousand | of | £ | per cent of | £ million | per cent of | £ million | per cent |
| | | | United Kingdom | | United Kingdom | | United Kingdom | | United Kingdom |
| Standard regions of England | | | | | | | | | |
| North | | 6. 3 | 5. 6 | 37. 3 | 10. 1 | 222. 3 | 6. 7 | 145. 8 | 5. 8 |
| Yorkshire and Humberside | | 10. 5 | 9. 5 | 34. 2 | 9. 3 | 308. 4 | 9. 2 | 243. 6 | 9. 8 |
| | | | | 34. 2 | 9. 3 | | | | |
| East Midlands | | 9. 6 | 8. 7 | * | * | 261. 5 | 7. 8 | 201. 7 | 8. 1 |
| East Anglia | | 5. 2 | 4. 7 | | * | 128. 1 | 3. 8 | 94. 6 | 3. 8 |
| South East | | 28. 4 | 25. 6 | 88. 0 | 23. 9 | 893. 7 | 26. 8 | 624. 1 | 25. 0 |
| South West | | 7. 4 | 6. 6 | 25. 0 | 6. 8 | 219. 9 | 6. 6 | 176. 2 | 7. 1 |
| West Midlands | | 8.8 | 7. 9 | 17. 0 | 4. 6 | 265. 9 | 8. 0 | 209. 8 | 8. 4 |
| North West | | 18. 0 | 16. 2 | 57. 9 | 15. 7 | 527. 0 | 15. 8 | 398. 4 | 16. 0 |
| England | 10.5 | 94. 3 | 84. 9 | 290. 0 | 78. 7 | 2, 826. 8 | 84. 7 | 2, 094. 2 | 83. 9 |
| Wales | | 6. 3 | 5. 6 | 52. 4 | 14. 2 | 242. 1 | 7. 3 | 189. 2 | 7. 6 |
| Scotland | | 7. 7 | 7. 0 | 18. 1 | 4. 9 | 195. 3 | 5. 9 | 154. 6 | 6. 2 |
| | 0.5 | | | Inoverna | | | | mon/ellem | a Auso T |
| Great Britain | | 108. 3 | 97. 5 | 360. 5 | 97. 8 | 3, 264. 2 | 97. 8 | 2, 438. 0 | 97. 7 |
| Northern Ireland | | 2. 8 | 2. 5 | 7. 9 | 2. 2 | 72. 9 | 2. 2 | 57. 0 | 2. 3 |
| United Kingdom | 2.0 | 111. 2 | 100. 0 | 368. 4 | 100. 0 | 3, 337. 1 | 100. 0 | 2, 495. 0 | 100. 0 |

⁽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 each address was made by assuming that net output was proportionate to employment. An estimate for each region was obtained by aggregating estimates of net output for addresses located in that region. Gross value added at factor cost was treated similarly.

TABLE 8

Output and costs, 1991
All United Kingdom businesses classified to each Activity Heading within the industry

| | | Unit | | 4721 | 4722 |
|--|--------------------------|--|---|----------|------------------------------|
| Enterprise groups(a) | | Number | | 30 | 103 |
| Businesses | | | | 34 | 104 |
| Sales of goods produced | | £ million | | 270. 1 | 1, 238. (|
| Work done and industrial services | | | | | |
| rendered | | " | | * | 1.2 |
| Capital goods produced for use within the business | | | | 0. 1 | basigns to engine mana 7. |
| Non-industrial services rendered | | 17.3 | | * | |
| Goods merchanted or factored | | · · | | 27. 8 | 110. |
| Total sales and work done | | " | | 299. 2 | 1, 359. |
| Increase during the year, work in | | | | | Epast Hudiands |
| progress and goods on hand for sale | | " | | 9. 0 | -5. |
| Gross output | | " | | 308. 2 | 1, 354. |
| Purchases of materials for use in production, packaging and fuel | | 0.85 | | 135. 6 | 512. |
| Purchases of goods for merchanting or | | 0.51 | | 05.1 | ebnalb M saw 80. |
| factoring | | 0.55 | | 25. 1 | 12014 (110) |
| Increase during the year, stocks of materials, stores and fuel | | 0.000 | | 2. 4 | -3. |
| Cost of industrial services received | | a 50 | | 7. 4 | 28. |
| Net output | | g# | | 142. 4 | 729. |
| Total employment | | Thousand | d | 4. 0 | 14. |
| Net output per head | | £ | | 35, 177 | 50, 39 |
| Cost of non-industrial services received | | | | | |
| Hire of vehicles, plant and machinery | | £ million | | 2. 0 | mobgatXX 10. |
| Rents of industrial and commercial buildings | | п | | 1. 2 | 9. |
| Commercial insurance premiums | | 11 | | 1.5 | 6. |
| Bank charges | ndkuš gadė mu gaiesai | ixa bna bnai sonan 'i isbiji | | 0.3 | als eutry en Erynacinosm (o. |
| Other non-industrial services | | erecigii e saa | | 32. 0 | 228. |
| icensing of motor vehicles | | n n | | aness yo | osam saw seddess was made o. |
| Rates, excluding water rates | | | | 2. 2 | enw tsoo tottal ta bebbs 9. |
| Gross value added at factor cost | | | | 103. 4 | 464. |
| Gross value added at factor cost per head | | £ | | 25, 532 | 32, 0 |

⁽a) The count of enterprise groups shown in each column represents the number of enterprise groups owning the businesses shown for each activity heading. Because an enterprise group may own businesses in more than one activity heading, the sum of the enterprise group counts may exceed the total for the industry.

| 4724 | 4723 |
|---------|----------|
| 304 | 1, 114 |
| 320 | 1, 147 |
| 713. 9 | , 550. 4 |
| 8. 0 | 6. 9 |
| 0.5 | 0. 5 |
| 0. 5 | |
| 0. 1 | 1. 4 |
| 28. 7 | 147. 8 |
| 751. 2 | 707. 0 |
| 1. 0 | -13. 2 |
| 752. 2 | 693. 8 |
| 380. 4 | 768. 9 |
| | |
| 22. 9 | 101. 3 |
| -5. 4 | -7. 4 |
| 18. 9 | 44. 5 |
| 324. 6 | 771. 7 |
| 11. 9 | 29. 6 |
| 27, 169 | 26, 061 |
| 27, 100 | |
| | |
| 5. 2 | 17. 0 |
| 6. 1 | 15. 4 |
| 3. 5 | 7. 4 |
| 0. 5 | 1.7 |
| 39. 1 | 134. 4 |
| 0. 1 | 0. 4 |
| 6. 5 | 13. 3 |
| 263. 7 | 582. 1 |
| | 9, 659 |

TABLE 9

Capital expenditure, 1991 (a)
All United Kingdom businesses classified to each Activity Heading within the industry

| 4728 | G5572 | CONT. | 4721 | 4722 |
|-------------------------------|-------|------------|--------------|-----------|
| Land and buildings | | Controller | 304 | ATT IT IS |
| New building work | | | 1. 1 | 11. 6 |
| Land and existing buildings | | | | |
| Acquisitions | | | (* ,8 | 8.8 |
| Disposals | | | a.o. | |
| Net | | | 1. 4 | 12. 4 |
| Plant and machinery | | | | |
| Acquisitions | | | 7. 9 | 114. 1 |
| Disposals | | | 0. 1 | 1. 2 |
| Net | | | 7. 8 | 112. 9 |
| /ehicles | | | | |
| Acquisitions | | | 0. 5 | 5. 6 |
| Disposals | | | 0. 1 | 1. 4 |
| Net | | | 0. 4 | 4. 2 |
| Total net capital expenditure | | | 9. 5 | 129. 6 |
| | | | | |

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

TABLE 10

Stocks and work in progress, 1991 All United Kingdom businesses classified to each Activity Heading within the industry

| | | 4721 | 4722 |
|----------------------------|---------|------------|--------|
| | | | |
| 10a Increase during year | | | |
| Materials, stores and fuel | | 2. 4 | -3. 7 |
| Work in progress | | 1. 2 | 0. 9 |
| Goods on hand for sale | | 7. 8 | -6. 1 |
| Total | | 11. 4 | -8. 8 |
| 1985 (7.5) | 021,840 | 820,35,350 | |
| 10b Value at end of year | | | |
| Materials, stores and fuel | | 11. 1 | 61. 3 |
| Work in progress | | 5. 1 | 13. 9 |
| Goods on hand for sale | | 35. 4 | 68. 9 |
| Total | | 51. 6 | 144. 2 |

£ million

| 4723 | 4724 | 4725 | 4728 | |
|-------|---|--------|---------|--|
| 6578 | \$5.530 TO TO THE TOTAL T | a hau | 10. (0) | |
| 3. 9 | 2. 2 | 15. 8 | 1. 9 | |
| | | | | |
| 5. 4 | | 5. 3 | 1. 0 | |
| 2. 6 | a.e . name | 0. 5 | 2. 3 | |
| 6. 6 | 3. 8 | 20. 6 | 0. 6 | |
| 48. 9 | 24. 8 | 129. 9 | 9. 0 | |
| 5. 0 | 3. 8 | 16. 8 | 0. 2 | |
| 43. 9 | 20. 9 | 113. 0 | 8. 7 | |
| 6. 7 | 2. 1 | 9. 3 | 1. 2 | |
| 2. 9 | 0. 9 | 3. 8 | 0. 5 | |
| 3. 7 | 1.1 | 5. 5 | 0. 7 | |
| 54. 2 | 25. 9 | 139. 2 | 10. 0 | |

| | - | ш | ш | ш | 101 |
|---|---|---|---|---|-----|
| | | | | | |
| _ | _ | _ | _ | _ | _ |
| | | | | | |

| 4723 | 4724 | 4725 | 4728 | |
|--------|---------------------------|-----------------------|--|--|
| | | as otales are opening | A The agreement of the Alderdon Williams | |
| -7. 4 | -5. 4 | -14. 3 | -2. 4 | |
| -2. 3 | -0. 5 | -5. 7 | -0. 3 | |
| -10. 9 | 1. 5 | -0. 8 | 2. 0 | |
| -20. 6 | -4. 3 | -20. 8 | -0.8 | |
| | The state of the state of | Con Att. | SUBCARRAGE DE REMARKABLES | |
| | | | | |
| | | | | |
| 72. 9 | 42. 1 | 120. 5 | 18. 2 | |
| 28. 6 | 14. 9 | 52. 6 | 6. 2 | |
| 97. 4 | 28. 8 | 85. 7 | 13. 6 | |
| 198. 8 | 85. 8 | 258. 8 | 38. 0 | |
| | | | | |

TABLE 11

Operating ratios, 1991

All United Kingdom businesses classified to each Activity Heading within the industry

| | Unit | 4721 | 4722 | 4723 |
|---|------|---------|---------|---------|
| Gross output per head | £ | 76, 120 | 93, 595 | 57, 202 |
| Net output per head | £ | 35, 177 | 50, 391 | 26, 061 |
| Gross value added per head | £ | 25, 532 | 32, 085 | 19, 659 |
| Gross value added as a percentage of gross output | % | 34 | 34 | 34 |
| Ratio of gross output to stocks | | 6. 0 | 9. 4 | 8. 5 |
| Wages and salaries as a percentage of gross value added | % | 56 | 48 | 69 |
| Ratio of operatives to administrative, technical and clerical employees | | 2. 2 | 2. 2 | 1.9 |
| Wages and salaries per operative | £ | 13, 240 | 13, 420 | 12, 177 |
| Wages and salaries per administrative, technical and clerical employee | £ | 16, 831 | 20, 080 | 17, 087 |
| Net capital expenditure per head (a) | £ | 2, 348 | 8, 954 | 1, 832 |
| Net capital expenditure as a percentage of gross value added (a) | % | 9 | 28 | 9 |

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

TABLE 11

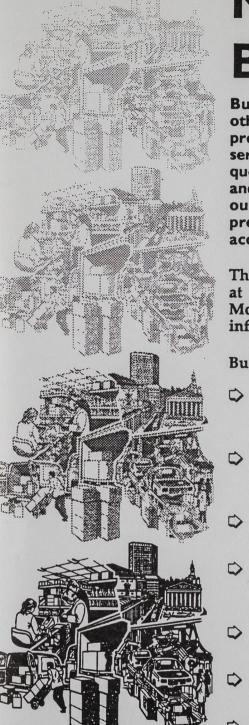
Operating ratios, 1991

All United Kingdom establishments classified to each Activity Heading within the industry

| | Unit | 4724 | 4725 | 4728 |
|--|------|---------|---------|---------|
| Gross output per head | £ | 62, 954 | 62, 032 | 49, 948 |
| Net output per head | £ | 27, 169 | 27, 202 | 23, 509 |
| Gross value added per head | £ | 22, 068 | 21, 640 | 17, 290 |
| Gross value added as a percentage of gross output | % | 35 | 35 | 35 |
| Ratio of gross output to stocks | | 8.8 | 10. 9 | 7. 2 |
| Wages and salaries as a percentage of gross value added | % | 63 | 63 | 62 |
| Ratio of operatives to administrative, echnical and clerical employees | | 3. 1 | 3. 1 | 3. 2 |
| Wages and salaries per operative | £ | 13, 144 | 12, 711 | 9, 227 |
| Nages and salaries per administrative, echnical and clerical employee | £ | 16, 861 | 16, 888 | 15, 892 |
| Net capital expenditure per head (a) | £ | 2, 166 | 3, 050 | 1, 842 |
| Net capital expenditure as a percentage of gross value added (a) | % | 10 | 14 | 11 |
| | | | | |

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

Central Statistical Office AN EXECUTIVE AGENCY OF GOVERNMENT



More about Business Monitors

Business Monitors are designed for businesses and others undertaking market research of all kinds. They provide statistics on manufacturing, energy, mining, service and distributive industries. The CSO regularly questions thousands of UK businesses on their output and performance. Some 800,000 inquiry forms are sent out each year, and the statistics are collated and presented by expert government statisticians using accepted statistical techniques.

There are over 300 titles in the series variously published at monthly, quarterly or yearly intervals. Business Monitors are the primary and often the only source of the information they contain.

Business Monitors can help you to:

- Monitor business trends not only in your own industry but also in your suppliers' and customers' industries
- Identify successful products by following the performance of different products to determine where sales are increasing
- Assess your efficiency by comparing your performance with that of your industry as a whole
- Identify new markets by determining which product sales are on the increase and what new retail outlets are opening
- Pinpoint seasonal factors in your business by studying the trends of different surveys
- Market your products by reference to a list of manufacturer's names and addresses
- Compare the price of your products with those of your industry or sector

HOW TO ORDER BUSINESS MONITORS

Ring the CSO Library on:

0633 812973 and ask for our information brochure, "HMSO Publishes for the CSO". This includes a complete list of Business Monitors and an order form.



(Mail, fax and telephone orders only)
PO Box 276, London, SW8 5DT
Telephone orders 071.873 9090
General enquires 071.873 0011
(queuing system in operation for both numbers)
Fax orders 071.873 8200

Fax orders 071-873 8200

HMSO Bookshops
49 High Holborn, London, WC1V 6HB
(counter service only)
071-873 0011 Fax 071-873 8200
258 Broad Street, Birmingham, B1 2HE
021-643 3740 Fax 021-643 6510
Southey House, 33 Wine Street, Bristol, BS1 2BQ
0272 264306 Fax 0272 294515
9-21 Princess Street, Manchester, M60 8AS
061-834 7201 Fax 061-833 0634
16 Arthur Street, Belfast, BT1 4GD
0232 238451 Fax 0232 235401
71 Lothian Road, Edinburgh, EH3 9AZ
031-228 4181 Fax 031-229 2734
HMSO's Accredited Agents

£8.90 net

© Crown copyright 1993 First published 1993

Printed in the United Kingdom by HMSO at Cardiff from CRC supplied Dd. 0295988 C3 Cdf 105608 7/93

