BUSINESS STATISTICS OFFICE

Business Monitor

Report on the Census of Production

Specialised chemical products mainly for industrial and agricultural purposes

PA256 1985

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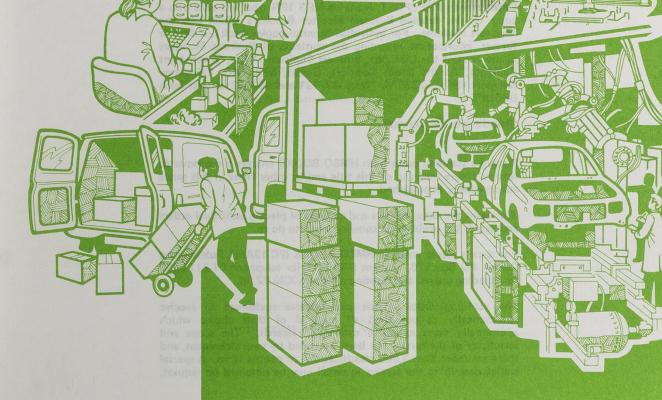
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A publication of the Government Statistical Service

BUSINESS MONITORS

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The Business Statistics Office, aided by industry and commerce, provides much of the statistical data required by Government for monitoring the economy.

You may, if you wish, purchase much of the data in the form of Business Monitors which are a series of publications containing statistical information compiled from inquiry forms sent out regularly by the BSO to selected firms asking detailed questions about production, sales, employment and investment. Business Monitors are the primary or in many cases the only source of the information they contain.

The Annual Census of Production Monitors deal with the manufacturing, energy, mining and construction industries. There are 115 Monitors in this series some of which cover more than one industry and they are all listed overleaf. They are prefixed by a code P (for Production) followed by A (annual series).

The 1980 Annual Census of Production was the first to be produced on the basis of the 1980 revision of the Standard Industrial Classification with individual reports covering three digit groups of the classification. 1980 reports contain comparable data for 1979, reworked from information originally published on the basis of the 1968 revision of the SIC. Also available is a special summary volume for the 1979 Census of Production based on 1980 SIC, and also containing the 1979 Purchases Inquiry Business Monitor — PA1002.1. 1979 Census of Production and Purchases Inquiry is available from HMSO Books, PO Box 276, London SW8 5DT (Telephone 01-622 3316 for orders) price £21.00 reference ISBN 011 5141146.

If you would like details concerning Annual Census of Production data published for earlier years please telephone Newport (STD 0633) 222455.

If you would like to know more about the complete series of Business Monitors please contact HMSO Books (Publicity Department), FREEPOST, Norwich NR3 1BR who will send you a copy of the detailed Business Monitor Brochure which lists the Monitors available. For individual Monitor copies, back numbers or further information regarding the contents of Business Monitors please contact the Librarian, Business Statistics Office, Government Buildings, Cardiff Road, Newport, Gwent, NP9 1XG. Telephone Newport (0633) 222973. Telex 497121 and 497122; answer back BSONPT G.

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PA256

BUSINESS MONITOR

A publication of the Government Statistical Service

Report on the Census of Production 1985

Specialised chemical products mainly for industrial and agricultural purposes

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

Department of Trade and Industry
Business Statistics Office

London: Her Majesty's Stationery Office

BUSINESS MONITORS MAKING UP THE COMPLETE CENSUS REPORT

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

Shown alongside each title, where appropriate, is an indication of the change in the estimated employment in that industry that has arisen, between 1983 and 1984, from the introduction of a new, more up to date, register of businesses. The change shown reflects the increase or decrease between the old and new registers at a fixed point in time and does not in itself give any indication of the growth or contraction within any industry between 1983 and 1984. Over all manufacturing industry there was an increase between the two registers of 1.3%. Changes for individual industries have arisen not only from the addition of extra, mainly small, units but also from the reclassification of some small units from one industry to another.

Since estimates of census variables, based on register employment, are made for small establishments which are not required to complete census forms, the change will affect much of the data contained in the reports. This should be taken into account in interpreting the figures.

Employment percentage variation

PA1001	Introductory notes
PA111	Coal extraction and manufacture of solid fuels
PA120	Coke ovens
PA130	
PA140	Extraction of mineral oil and natural gas
	Mineral oil processing
PA161	Production and distribution of electricity
PA162	Public gas supply
PA170	Water supply industry
PA210	Extraction and preparation of metalliferous ores
PA221	Iron and steel industry
PA222	Steel tubes
PA223	Drawing, cold rolling and cold forming of steel
PA224	Non-ferrous metals industry
PA231	Extraction of stone, clay, sand and gravel
PA239	Extraction of miscellaneous minerals (including salt)
PA241	Structural clay products
PA242	Cement, lime and plaster
PA243	Building products of concrete, cement or plaster
PA244	Asbestos goods
PA245	Working of stone and other non-metallic minerals
PA246	Abrasive products
PA247	Glass and glassware
PA248	Refractory and ceramic goods
PA251	Basic industrial chemicals
PA255	Paints, varnishes and printing ink
PA256	Specialised chemical products mainly for industrial and agricultural purposes
PA257	Pharmaceutical products mainly for moustrial and agricultural purposes
PA258	
	Soap and toilet preparations
PA259	Specialised chemical products mainly for household and office use
PA260	Production of man made fibres
PA311	Foundries
PA312	Forging, pressing and stamping
PA313	Bolts, nuts, etc; springs; non-precision chains; metals treatment
PA314	Metal doors, windows etc
PA316	Hand tools and finished metal goods
PA320	Industrial plant and steelwork
PA321	Agricultural machinery and tractors
PA322	Metal-working machine tools and engineers' tools
PA323	Textile machinery
PA324	Machinery for the food, chemical and related industries; process engineering contractors
PA325	Mining machinery, construction and mechanical handling equipment
PA326	Mechanical power transmission equipment
PA327	Machinery for printing, paper, wood, leather, rubber, glass and related industries; laundry and
	dry cleaning machinery
A328	Miscellaneous machinery and mechanical equipment
A329	Ordnance, small arms and ammunition
A330	Manufacture of office machinery and data processing equipment
A341	Insulated wires and cables
A342	Basic electrical equipment
A343	Electrical equipment for industrial use, and batteries and accumulators
A344	Telecommunication equipment, electrical measuring equipment, electronic capital goods and
. 10 14	passive electronic components
A345	Miscellaneous electronic equipment
A346	Domestic-type electric appliances
A347	
	Electric lamps and other electric lighting equipment
A351	Motor vehicles and their engines
A352	Motor vehicle bodies, trailers and caravans

BUSINESS MONITORS MAKING UP THE COMPLETE CENSUS REPORT (continued)

		Employment percentage variation
PA353	Motor vehicle parts	
PA361	Shipbuilding and repairing	-2
PA362	Railway and tramway vehicles	0
PA363	Cycles and motor cycles	0
PA364	Aerospace equipment manufacturing and repairing	0
PA365	Miscellaneous vehicles	0
PA371	Measuring, checking and precision instruments and apparatus	2
PA372	Medical and surgical equipment and orthopaedic appliances	0
PA373	Optical precision instruments and photographic equipment	-8
PA374	Clocks, watches and other timing devices	0
PA411	Organic oils and fats	1
PA412	Slaughtering of animals and production of meat and by-products	gaingasalt bas s
PA413	Preparation of milk and milk products	-5
PA414	Processing of fruit and vegetables	0
PA415	Fish processing	-4
PA416	Grain milling	-7
PA419	Bread, biscuits and flour confectionery	14
PA420	Sugar and sugar by-products	0
PA421	Ice-cream, cocoa, chocolate and sugar confectionery	-2
PA422	Animal feeding stuffs	-5
PA423	Starch and miscellaneous foods	2
PA424	Spirit distilling and compounding	0
PA426	Wines, cider and perry	2
PA427	Brewing and malting	0
PA428	Soft drinks	-1
PA429	Tobacco industry	0
PA431	Woollen and worsted industry	-2
PA432	Cotton and silk industries	3
PA433	Throwing, texturing, etc. of continuous filament yarn	_3
PA434	Spinning and weaving of flax, hemp and ramie	-3
PA435	Jute and polypropylene yarns and fabrics	0
PA436	Hosiery and other knitted goods	3
PA437	Textile finishing	3
PA438	Carpets and other textile floorcoverings	.6861 edi te no
PA439	Miscellaneous textiles	3
PA441 PA442	Leather (tanning and dressing) and fellmongery	– 5
PA451	Leather goods Footwear	8
PA453		2
PA455	Clothing, hats and gloves Household textiles and other made-up textiles	7
PA456	Fur goods	-2
PA461	Sawmilling, planing, etc. of wood	-27
PA462	Manufacture of semi-finished wood products and further processing and treatment of wood	-17
PA463	Builders carpentry and joinery	-4
PA464	Wooden containers	_5
PA465	Miscellaneous wooden articles	-6
PA466		7
PA467	Wooden and upholstered furniture and shop and office fittings	not passioned
PA471	Pulp, paper and board	
PA472	Conversion of paper and board	1
PA475	Printing and publishing	nen Zalan (sal)
PA481	Pubber products	5
PA483	Processing of plastics	-1
PA491	Jewellery and coins	2
PA492		asaHyaigasa as≃5 ni show
PA493	Photographic and cinematographic processing laboratories	—3 111 4 6.67
PA494	Toys and sports goods	ns_1amona9
PA495	Miscellaneous manufacturing industries	67
PA500	Construction	
PA1002	Summary tables	

The information in this report relates to establishments classified to the Specialised chemical products mainly for industrial and agricultural purposes industry, Group 256 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity

2562 Formulated adhesives and sealants

Manufacture of formulated synthetic resin and natural and synthetic rubber adhesives (i.e. containing solvents, plasticisers, etc.). Unformulated synthetic resin adhesives are classified to Group 251. Manufacture of gelatine, glue, size, gum, paste, etc., including preliminary processing. Manufacture of sealants.

2563 Chemical treatment of oils and fats

Manufacture of primary products of sperm oil (including higher fatty alcohols), stearine and glycerine. Fat splitting and distillation. Recovery of fat is classified to Group 412.

2564 Essential oils and flavouring materials

Manufacture of essential oils (other than turpentine). Manufacture of natural and artificial flavourings and perfume concentrates.

2565 Explosives

Manufacture of explosives, detonators, fuses (except shell fuses), percussion caps, flares and signal rockets. Manufacture of fireworks and matches. Manufacture of live ammunition is classified to Group 329 and cellulose nitrate to Group 251.

2567 Miscellaneous chemical products for industrial use

Manufacture of industrial gases, products for the treatment of leather and textiles, tanning agents and other chemical products not elsewhere specified for industrial use including waxes and foundry preparations. Chemicals specially prepared for laboratory use are included.

2568 Formulated pesticides

Manufacture of formulated pesticides, sheep dips, weedkillers and other phytosanitary products.

Manufacture of adhesive film of plastics and cellulose, adhesive cloth and adhesive foil (other than for medical or surgical purposes for which see Group 257). Non-adhesive film, cloth and foil, when chemically treated for use as an insulating material, are also included. Adhesives paper is classified to Group 472.

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

> In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page 5.

LIST OF CONTENTS Explanatory notes and definitions Output and costs 1981-1985 Capital expenditure 1981-1985 Table 2 Stocks and work in progress, 1981-1985 Table 3 Employment, labour costs, output, net capital expenditure and stocks and Table 4 work in progress by size of total employment, 1985 Percentage analysis of twelve-month periods covered by returns received Table 5 12 for the 1985 Census by number of returns and total employment 12 Operating ratios, 1981-1985 Table 6 Regional distribution of employment, net capital expenditure, net output Table 7 13 and gross value added at factor cost, 1985 14-15 Output and costs by activity heading, 1985 Table 8 16-17 Capital expenditure by activity heading, 1985 Table 9 16-17 Stocks and work in progress by activity heading, 1985 Table 10 18 Operating ratios by activity heading, 1985 Table 11

EXPLANATORY NOTES AND DEFINITIONS

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 (PA1001)

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 Her Majesty's Stationery Office, price £3.95.

- As far as possible the reporting unit in respect of which information is collected is one whose activities fall within a single activity heading of the classification and which is situated at a single geographical location. Frequently, however, the information required cannot be provided on this basis. Where information covering a mixture of activities is all that is available, the unit is classified according to the main activity. Where a unit operates at a number of locations and the full range of information is not available for each location, the reporting unit is deemed to cover a number of locations. In most cases, separate information on employment and net capital expenditure is obtained for each location (local unit) in order to enable regional data to be compiled. The reporting unit, usually called the establishment, is therefore defined as the smallest unit for which the information normally required in a production census can be provided.
- Establishments are asked to exclude from their returns particulars relating to ancillary departments not engaged in production (such as merchanting or factoring organisations. transport organisations, canteens and warehouses) separate accounts are kept. Transfers of goods produced to such departments are treated as sales, valued as far as possible as if sold to an independent purchaser. Where separate accounts are not kept, establishments are allowed to include details in their returns. Establishments are asked to include details relating to head offices engaged mainly in the administration of production units within the scope of the Census. Where head office activity covers more than one return, details are included in the principal return.

THE REGISTER

- 5. A register of production units throughout the United Kingdom is held on the BSO computer and provides the basis for BSO inquiries to the production sector. For each unit the register contains identification particulars and information about that unit's eligibility for inclusion in an inquiry, its relationship with other units in common ownership, its industrial classification, the nation ality of its parent and location indicators for regional analyses. Regional and size analyses of manufacturing units are published in Business Monitor PA1003 — Analyses of United Kingdom Manufacturing (Local) Units by Employment Size. During 1984, for production inquiries, the BSO moved to an updated register which makes fuller use of information obtained from HM Customs and Excise VAT records
- 6. The annual Census and other inquiries provide a major source of information for updating and checking the register. For establishments on the register making returns to the Quarterly Sales Inquiry, industrial classification is reviewed annually and is derived from an analysis of their commodity sales. Employment data are provided by the Quarterly Sales Inquiry and the Census of Production. Where establishments on the register do not make returns to these inquiries, employment is based mainly on information provided by the Department of Employment from Censuses of Employment. New additions to the register are obtained from various sources including HM Customs and Excise VAT records and Censuses of Employment.

- The Census covers United Kingdom establishments engaged in industrial production, i.e. mining and quarrying, manufacturing, construction, and gas, electricity and water supply industries (Divisions 1 to 5 of SIC(80)). Establishments in the Channel Islands and the Isle of Man are excluded.
- 8. Under the sampling arrangements agreed for the 1985 Census, forms were despatched to all establishments with 100 or more employed and, for most production industries, samples of 1 in 4 and 1 in 2 respectively being taken for establishments in the 20 to 49 and 50 to 99 employment size bands. For industries where there were few units in the sample size band or where response in earlier years was poor, it was necessary to increase the sample. About 16,800 forms were despatched to production establishments in the United Kingdom for the 1985 Census.

PERIOD COVERED

Establishments were asked to make returns for the calendar year 1985 but, where this was not possible, returns for business years ending between 6 April 1985 and 5 April 1986 were accepted. Returns covering fewer than twelve months were accepted for businesses which had started or ceased trading during the year.

- 10. All published Census results include estimates for nonresponders, unsatisfactory returns and establishments not selected for the Census. Estimates are also made for items not covered on the shorter form sent to smaller establishments.
- 11. Within employment size groups in each industry, the "average per head" is calculated for each census variable by dividing the total returned value for each variable by the total returned employment. This value is multiplied by the employment thought to exist in each non-responding or unselected establishment to yield an estimated value for that establishment. Estimates for items not collected on the shorter form are made in a similar way using returned employment
- 12. The accuracy of the totals produced by adding together estimates and returned data is mainly dependent on two measures. The first of these is the extent to which establishments making satisfactory returns account for the overall total for any heading. In practice a measure of this is normally taken to be the employment of establishments making satisfactory returns expressed as a percentage of the total estimated employment (this is given in footnote (a) to Table 1). Thus the accuracy of data published in an Industry Report where 95 per cent of the employment in the industry is covered by returns made, will, in general, be better than that in an Industry Report where the coverage is only 70 per cent.
- 13. The second measure is the extent to which individual headings in an Industry Report are related to employment. 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

SUPPRESSION OF INFORMATION RELATING TO

INDIVIDUAL UNDERTAKINGS

14. Sub-section 9(5)(b) of the Statistics of Trade Act 1947 states

"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 by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deduced from the total disclosed."

15. 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 1985

16. The 1985 Census was a slimline one with fewer establishments receiving inquiry forms than in 1984, due to the increased use of sampling. The additional questions in the 1984 Census relating to road transport costs, and postal and telecommunications costs were excluded for 1985.

SYMBOLS LISED

17. The following symbols are used throughout the PA series of **Business Monitors:**

- not available
- nil or less than half the final digit shown
- figures cannot be shown owing to the risk of disclosing information about individual enterprises

ROUNDING OF FIGURES

18. 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

EXPLANATION OF TERMS USED IN THE CENSUS REPORT

The notes and definitions given in this section are based on the instructions given to respondents as to the way in which returns

CAPITAL EXPENDITURE

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 establishment's return related. 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. Where expenditure is spread over more than one Census year, payments are included in the years in which they were made. 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 ESTABLISHMENTS' OWN USE by establishments' own staff are included. The value of any assets acquired in taking over an existing business are excluded. The figures include non-deductible VAT but exclude deductible VAT. No allowance is made for depreciation, amortisation or obsolescence.

on LAND AND EXISTING BUILDINGS

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 The figures for disposals are net of any such professional fees pavable.

on NEW BUILDING WORK

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

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 ESTABLISHMENTS' OWN LISE

This represents the value of all work of a capital nature 24 carried out during the year by the establishments' own staff for use in the businesses covered by the returns.

COST OF INDUSTRIAL SERVICES RECEIVED

25. This includes amounts payable to other organisations for work done on materials supplied by the establishment 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

This includes commercial insurance premiums, bank charges and amounts payable to other organisations for the hire of vehicles, plant and machinery, for the rent of industrial and commercial 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 'know-how'. Interest payments and amounts payable for sea and air freight on goods exported on materials and fuel imported are excluded.

EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC. 27. 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 contributions to canteens, social centres, children's and holiday homes etc. and the cost of supplying luncheon vouchers.

EMPLOYMENT

28. 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 (i.e. people who worked in their own homes on materials supplied by establishments) and casual employees such as jobbers are excluded. The average number casual employees such as jobbers are excluded. The sverage number of employees returned by individual establishments 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.

> ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES

29 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 other than operatives.

OPERATIVES

This includes all manual wage earners including operatives in 30 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 canteens are in general excluded.

WORKING PROPRIETORS

31. These are people who are regarded as self-employed 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.

GROSS OUTPUT

32. This is calculated by increasing (or decreasing) the value of TOTAL SALES AND WORK DONE by the rise (or fall) during the year of WORK IN PROGRESS AND GOODS ON HAND FOR

GROSS VALUE ADDED AT FACTOR COST

33. 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 34. This is calculated by dividing GROSS VALUE ADDED AT FACTOR COST by total EMPLOYMENT.

NET CAPITAL EXPENDITURE

35. 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.

36. This is a traditional census measure 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

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

NON-INDUSTRIAL SERVICES RENDERED

38. 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

These ratios are calculated using industry totals, i.e. including the estimates for establishments 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, semimanufactured 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 establishments or given out to other establishments for the production of machinery or other capital items for the establishments' own use and materials for use by the establishments 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 establishments' 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 to an establishment from other departments of the organisation not covered by the return are included at the estimated selling value recorded by the

REMUNERATION PAID TO OUTWORKERS

41. This represents amounts paid to outworkers, i.e. people who do work in their own homes generally on a piece-work basis, whose names appear on establishments' payrolls. Amounts paid to outworkers by subcontractors are included in the COST OF INDUSTRIAL SERVICES RECEIVED. Estimates are not made for remuneration of outworkers for establishments not completing

SALES OF GOODS PRODUCED

42. This represents deliveries on sale of goods produced by establishments in the United Kingdom coming within the scope of the Census irrespective of whether or not they were produced in the year of the return. It also includes sales of goods made for establishments from materials given out by them to other organisations or to outworkers and sales of waste products and residues. The value of sales is the 'net selling value', i.e. the amount charged to customers whether valued 'ex-works' or 'delivered' less VAT, trade discounts, agents' commissions, etc. and allowances on returned goods. Where products attract Excise duty, the value is inclusive of duty if goods are sold 'duty-paid' and exclusive of duty if goods 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 an establishment to departments not covered by the return (including other establishments in the same enterprise group) are treated as sales, valued as if sold to an independent purchaser.

STOCKS

This represents the value of goods on hand for sale, including goods for merchanting or factoring and of materials, stores and fuel held by establishments coming within the scope of the Census, whether held in the United Kingdom or abroad. Values include any duty payable but exclude VAT.

WAGES AND SALARIES

44. 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 allowances etc. and EMPLOYERS' 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 including amounts charged by establishments for materials supplied by them in the course of such work and for industrial services such as repairs and maintenance, installation work and technical research and studies rendered to other organisations. 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

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

TABLE 1

Output and costs, 1981-1985

All United Kingdom establishments classified to the industry (a)

	Unit	1981	1982	1983	1984	1985
Enterprises	Number	659	621	644	811(b)	829
Establishments		751	709	736	916(b)	926
Sales of goods produced	£ million	2,140.5	2,292.2	2,495.0	2,967.7	3,066.8
Work done and industrial						
services rendered		87.0	42.0(c)	40.3	47.1	42.3
Capital goods produced for establishments'own use		6.0	ra bename si se amfulo 5.1 na o	about the strong	shoop to see	7.8
Non-industrial services rendered		12.3	58.9(c)	105.1	111.3	110.1
Goods merchanted or factored		645.3	628.9	774.6	768.4	1,132.8
Total sales and work done		2,891.0	3,027.1	3,419.1	3,900.7	4,359.8
ncrease during the year, work in					r own homes go remaildeldel on	ieds ni Michi Steppa ier
progress and goods on hand for sale		10.9	-1.7	29.5	54.8	31.0
Gross output		2,901.9	3,025.4	3,448.5	3,955.4	4,390.8
Purchases of materials for use in pro- duction, packaging and fuel		1,196.6(d)	1,266.7(d)	1,390.9(d)	1,629.0	1,721.3
Purchases of goods for merchanting or actoring		496.2	487.4	602.1	557.4	865.7
ncrease during the year, stocks of naterials, stores and fuel		-1.9	5.8	18.4	25.4	11.5
Cost of industrial services received		52.6	53.1	52.3	56.6	55.5
excise payments etc.(net)		(d)	(d)	(d)	7.2	10.1
Net output	# ************************************	1,154.6	1,223.9	1,421.6	1,730.6	1,749.7
Total employment	Thousand	54.0	50.6	49.5	51.2(b)	47.0
Net output per head	£	21,363	24,197	28,747	33,801	37,213
Cost of non-industrial services eceived						
Hire of vehicles, plant and machinery	£ million	11.6	16.5	12.3	14.7	15.3
Rents of industrial and commercial buildings	u u	6.9	8.9	9.3	11.6	9.9
Commercial insurance premiums		12.1	11.5	12.1	12.7	13.4
Bank charges		1.1	1.2	1.6	1.9	2.0
Other non-industrial services		148.9	152.0	170.8	205.5	212.3
icensing of motor vehicles		1.5	1.6	1.6	2.2	2.0
lates, excluding water rates	n	15.3	18.0	18.6	20.5	19.8
Gross value added at factor cost	u	957.2	1,014.2	1,195.3	1,461.5	1,475.1
Gross value added at factor cost per head	f	17,710	20,050	24,171	28,544	31,374

(a) Satisfactory returns accounted for 80 per cent of employment within the industry in 1985.

(b) Use of a new register of businesses for 1984 has affected the number of enterprises and establishments. This has led to the estimated total employment being increased by 1% in this industry. Estimates for other variables are dependent upon employment and the change should be taken into account when interpreting the figures in this publication. Further information is given on page 2.

(c) This figure reflects a change in reporting structure for the 1982 census.

(d) Excise payments, etc, (net) included in purchases of materials for use in production, and packaging and fuel.

TABLE 2

Capital expenditure, 1981-1985
All United Kingdom establishments classified to the industry

PA256

	1981	1982	1983	1984	1985	ASIA CHIEN
and and buildings					1633 - 231150/fe	
	10.0	10.0	10.0	-		
New building work	10.3	12.0	16.8	14.5	23.6	
Land and existing buildings						
Acquisitions	3.6	5.1	6.1	5.1	10.9	
Disposals	3.0	2.6	2.4	5.2	1.3	
Net	10.9	14.5	20.5	14.4	33.2	
lant and machinery						
Acquisitions	79.6	82.7	89.1	141.9	164.7	
Disposals	3.7	2.9	7.8	0.5 5.1	3.7	
Net	75.9	79.8	81.3	136.8	161.0	
/ehicles				(8.5	62 60	66-08
Acquisitions	11.5	12.8	16.2	17.6	21.1	
Disposals	4.3	3.9	4.5	5.1	6.2	
Net a ser ace a	7.2	8.9	11.7	12.5	14.8	
Total net capital expenditure	93.9	103.2	113.5	163.7	209.1	

TABLE 3

Stocks and work in progress, 1981-1985 All United Kingdom establishments classified to the industry

						£ million				
	1981	1982	1983	1984	1985	Value at end of 1985				
	Increase during year									
Materials, stores and fuel	-1.9	5.8	18.4	25.4	11.5	228.9				
Work in progress	-3.5	-2.8	0.5	10.2	1.7	75.4				
Goods on hand for sale	14.4	1.1	29.0	44.5	29.3	324.2				
Total notices down beau b	9.0	4.1	47.8	80.1	42.6	628.5				

Employment, labour costs, output, net capital expenditure and stocks and work in progress by size of total employment, 1985

All United Kingdom establishments classified to the industry (a)

Size group	Estab- lish-	Enter- prises	Employmen	t _{.661}	\$881	Wages and sa	laries (c)			
	ments	(b)				the and contained and and				
		Total, including working proprietors		Opera- tives	Administrative, technical and clerical	Operatives	a ja agmbi	technical an	Administrative, technical and clerical	
			Proprietors.			1 2 40 00		- sommoniesk		
						Total	per head	Total	per head	
							lieau		neau	
	Number	Number	Thousand	Thousand	Thousand	£ million	£	f million	E MARK	
1-9	548	524	9.147 1.9)							
10-19	145	141	2.0)							
)	5.1	6.0	43.4	8,458	65.8	10,969	
20-49	83	79	2.8)							
50-99	62	60	4.6)							
100-199	36	34	5.0	2.4	2,6	20.2	8,270	27.0	10,571	
200-299	16	16	4.0	2.1	1.9	18.7	9,089	21.6	11,425	
300-399	11	11	4.0	2.2	1.7	19.7	8,905	19.2	11,000	
400-499	10	10	4.5	2.6	1.9	21.1	7,990	19.5	10,426	
500-749	7	7	4.1	2.1	2.0	20.6	9,954	24.8	12,252	
750-1,499	4	4	4.3	2.5	1.8	22.5	9,074	17.8	9,729	
1,500-Plus	4	4	10.0	6.7	3.3	63.4	9,478	43.7	13,363	

Total 3	926	829	47.0	25.7	21.2	229.7	8,926	239.4	11,301

⁽a) Establishments employing fewer than 20 persons are not required to complete census returns. Because of this, data for these establishments should be regarded merely as the best estimates available and used with caution.

Total sales	Gross	O Not		Percentage of total r			Agoounting
and work	output	Net output		Gross value added at			al stocks
done				factor cost			work in gress at
				and a control of			of year
						Mayerea	
						en ones t	
		Total	per	Total %	per		
			head	1.01	head		
£ million	£ million	£ million	£	£ million	£	£ million £ m	nillion
							1986
1,203.9	1,209.2	439.5	39,142	(d)	(d).	45.1 y 15uns).	
						February	
						i March - 5 April	
462.6	462.1	171.5	34,296	494.8(d)	30,356(d)	19.9	62.7
564.0	565.8	153.9	38,932	120.6	30,499	29.2	60.6
439.9	443.3	181.0	45,687	155.0	39,125	21.8	65.0
582.5	600.2	279.4	61,941	257.3	57,040	13.6	139.2
364.2	366.8	156.5	38,210	124.4	30,388	25.8	50.6
216.3	215.4	92.2	21,377	78.6	18,218	13.3	34.5

		24637140		. St			
4,359.8	4,390.8	1,749.7	37,213	1,475.1	31,373	209.1	628.5

⁽b) The count of enterprises shown in each row represents the number of enterprises, irrespective of size, owning the establishments shown in each size group. Because an enterprise may own establishments in more than one size group, the sum of individual enterprise counts may exceed the total for the industry.

⁽c) The cost of employers' contributions to the national insurance, pensions and welfare schemes and the running costs of canteens are excluded from the table but were estimated for the industry at £80.5 million.

⁽d) Gross value added data relates to establishments employing 1-199.

TABLE 7

Percentage analysis of twelve-month periods covered by returns received for the 1985 Census by number of returns and total employment

Accounting year ended	ercentage of to eccived	tal returns	Pe er	tal	
1985 April 6-30	0.8	67	nathan.	0.1	Berayl
May	-			-	
June	5.4			2.8	
July	0.8			0.1	
August	1.6			1.6	
September	10.1			15.2	
October	2.3			3.0	
November	4.7			3.3	
December	58.9			64.1	
1986					
January 200	1.6			0.9	
February	-			-	
1 March - 5 April	14.0			9.0	

TABLE 6

Operating ratios, 1981-1985

All United Kingdom establishments classified to the industry

	Unit	1981	1982	1983	1984	1985
Gross output per head	£	53,692	59,812	69,735	77,254	93,384
Net output per head	£	21,363	24,197	28,747	33,801	37,213
Gross value added per head	£	17,710	20,050	24,171	28,544	31,374
Gross value added as a percentage of gross output	*	33	34	35	37	34
Ratio of gross output to stocks		6.0	6.5	6.7	6.6	7.0
Nages and salaries as a percentage of gross value added	%	40	39	35	32	32
Ratio of operatives to administrative, echnical and clerical employees		1.2	1.2	1.2	1.1	1.2
Nages and salaries per operative	£	6,501	7,168	7,674	8,068	8,926
Nages and salaries per administrative, echnical and clerical employee	£	7,877	8,697	9,605	10,434	11,301
Net capital expenditure per head	£	1,738	2,041	2,294	3,196	4,447
Net capital expenditure as a percentage of gross value added	%	10	. 10	9	11	14

Regional distribution of employment,net capital expenditure,net output and gross value added at factor cost,1985. All United Kingdom establishments classified to the industry.

			2562		10014				
Area		Total employme (a)	nt asr	Net capit expenditi (b)		Net outp (c)	ut	Gross val added at factor cos	
64	22		aer		4.7			1-1	stablishmor
		Thousand	per cent	£ million	per cent of	£	per cent	f	per cent
			United Kingdom	mimon	United Kingdom	million	of United Kingdom	million 64	Of United Kingdon
Standard regions of Er	ngland								
North		2.0	4.2	16.1	7.7	64.1	3.7	52.9	
Yorkshire and Humberside		4.8	10.1	24.5	11 7	150.7		rattièd or far	
East Midlands					11.7	153.7	8.8	132,1	9.0
		3.0	6.4	17.0	8.1	83.0	4.7	62.9	4.3
East Anglia		1.8	3.7	16.8	8.0	134.6	7.7	123.6	8.4
South East	120.8	12.1	25.8	38.3	18.3	565.7	32.3	486.2	33.0
South West		3.0	6.3	10.1	4.8	66.9	3.8	55.0	3.7
West Midlands		2.5	5.4	7.8	3.7	75.0	4.3	58.0	0 - 3.9
North West		9.6	20.5	35.8	17.1	364.9	20.9	297.3	20.2
England		38.8	82.4	166.5	79.6	1,507.8	86.2	1,268.0	86.0
Wales		2.2	4.7	27.8	13.3	109.6	6.3	95.3	
Scotland		5.6	12.0	13.7	6.5	116.5	6.7	98.5	6.7
Great Britain		46.6	99.1	207.9	99.4	1,734.0	99.1	1,461.8	99.1
Northern Ireland		0.4	0.9	1.2	0.6	15.8	0.9	13.4	0.9
							29317	ndustrial ser	stof son i
United Kingdom		47.0	100.0	209.1	100.0	1,749.7	100.0 _{bne}	1,475.1	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 plantage leading machinery.
- (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, 1985
All United Kingdom establishments classified to each Activity Heading within the industry

	Unit	2562		2563	2564
Enterprises(a)	Number	186	employen	22	62
Establishments		196		22	64
Sales of goods produced	£ million	317.8		109.3	200.4
Work done and industrial services rendered	totall	0.8		0.1	3.4
Capital goods produced for establishments' own use	n	0.4		0.3	to anomat bold of
Non-industrial services rendered	"t sarjar	1.5		0.2	0.6
Goods merchanted or factored		53.0		• 3.3	30.6
Total sales and work done	Antr _{SB.9} a.as	373.5		121.5	235.4
Increase during the year, work in					
progress and goods on hand for sale	0.8 8.87	1.2		-0.8	-2.3
Gross output	e"st c.ac	374.7		120.8	233.1
Purchases of materials for use in production, packaging and fuel	8.0	172.3		80.8	121.4
Purchases of goods for merchanting or factoring		42.7		•	23.1
Increase during the year, stocks of materials, stores and fuel	··	-1.0		2.6	-0.8
Cost of industrial services received	"	4.5		3.3	2.3
Excise payments etc.(net)	" STATE	1.5			0.5
Net output	8.6 F.CF	154.3		30.1	85.1
Total employment	Thousand	6.3		0.8	3.2
Net output per head	£	24,635		37,521	26,502
Cost of non-industrial services received					
Hire of vehicles, plant and					
machinery	£ million	2.6		-	1.1
Rents of industrial and commercial buildings	olume amu staq billi i	1.6		amb besteldens	0.9
Commercial insurance premiums	milion garrers and be	1.3		0.3	0.8
Bank charges	· ·	0.2		-	0.2
Other non-industrial services	narahan dan penganan Penjangan penganan	29.1		6.2	18.6
Licensing of motor vehicles	ant mass line without	0.2		osups vá bán ed at fatiat ac	0.1
Rates, excluding water rates		2.7		0.3	1.7
Gross value added at factor cost	n .	116.5		23.2	61.7
Gross value added at factor cost per head	£	18,608		28,891	19,228

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

2569	2568		2567	2565
	The same of the sa		The last or an included and the last of th	A CAN THE STATE OF
70	78		393	43
71 Riow gmbhud we	79		449	45
96.1	553.9		1,580.9	208.3
				0.3
0.50	*	Y. 7	Č. Š	0.0
0.2	2.0		3.0	9.4
19	*		6.7	3.6
32.8	583.5		*	12.2
129.6	1,161.1		2,112.8	225.8
129.0			1.8	
2.3	23.1		13.8	-6.2
131.9	1,184.2		2,126.5	219.6
2 0 (a)			896.2	72.8
54.5	323.3		696.2	
17.3	432.8		332.0	E-0 .
entitioned a length of 1.85	2.6		8.8	6.01
1.3	9.8		32.1	2.2
-	-		0.4	*
57.0	420.9		874.7	127.7
2.0	4.2		22.5	8.0
27,826	99,251		38,919	6,002
0.4	2.0		8.5	0.6
0.2	0.5		5.1	1.5
0.4	1.5		7.0	2.1
0.1	0.1		1.2	0.1
7.3	12.7		122.1	16.3
	_		1.5	0.1
alaz api turan no at	1.9		10.3	2.3
0.6	402.1		718.9	104.7
48.0	402.1		710.3	
23,470	94,819		31,988	3,113

Capital expenditure, 1985
All United Kingdom establishments classified to each Activity Heading within the industry

E5 65	and the second	2562	266.2	2563	2564
Land and buildings	BT . Spiles			E00 24	43
New building work		0.9		0.7	3.8
Land and existing buildings					
Acquisitions		1.7		0.3	2.4
Disposals		0.2		0.0	0.3
Net		2.4		1.0	6.0
Plant and machinery					
Acquisitions		6.1		0.377.5 5.8	8.4
Disposals		0.4		0.1	0.2
Net		5.7		5.7	8.2
Vehicles				8.891,9	236.6
Acquisitions		2.1		0.1	1.3
Disposals		0.9		-	0.3
Net		1.2		0.1	1.1
Total net capital expenditure		9.3		6.8	15.3

TABLE 10

Stocks and work in progress, 1985
All United Kingdom establishments classified to each Activity Heading within the industry

	2.0	2562		2563	2564
10a Increase during year	2.1			6.7	1.0
Materials, stores and fuel		-1.0		2.6	-0.8
Work in progress		1.2		0.6	-0.1
Goods on hand for sale		-		-1.4	-2.2
Total	6 F	0.2		1.8 0.3	-3.1
Ob Value at end of year	070,00		19,609	38,861	800 B
Materials, stores and fuel		18.1		8.7	21.7
Vork in progress		4.5		2.9	5.6
Goods on hand for sale		27.1		5.0	12.0
Total		49.7		16.5	39.3

3.3 11.3 * * 0.1 0.5 0.2 - 5.1 14.0 4.3 0.4 9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 2.1 0.5	2565		25.67			£ million
3.3 11.3 * * 1.8 3.2 * * 0.1 0.5 0.2 - 5.1 14.0 4.3 0.4 9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 127.2 20.0 0.6 0.1	2565	anni and anni and State of Sta	2567	2568	2569	
1.8 3.2 * * 0.1 0.5 0.2 - 5.1 14.0 4.3 0.4 9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 127.7 20.6 0.1						
1.8 3.2 * * 0.1 0.5 0.2 - 5.1 14.0 4.3 0.4 9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 127.2 0.0 0.6 0.1	3.3		11.3	*59,843		
0.1 0.5 0.2 - 5.1 14.0 4.3 0.4 9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 137.2 0.6 0.1						
0.1 0.5 0.2 5.1 14.0 4.3 0.4 9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 137.2 0.0 0.6 0.1	1.8		3.2	THE SECRETARY OF	ATTO CAME	
9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 137.2 00.0 0.0	0.1		0.5	0.2	10 beambors	
9.3 103.6 28.1 3.5 0.1 2.5 0.4 0.1 9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 137.2 00.0 0.0	5.1		14.0	4.3	0.4	
9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 137.2 00.0 0.2			103.6	28.1		
9.2 101.1 27.7 3.4 1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1	0.1		2.5	0.4	0.1	
1.0 15.1 1.1 0.2 1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1 13.9 137.2 00.0 0.2	9.2		101.1		3.4	
1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1						
1.3 3.1 0.5 0.1 -0.3 12.0 0.6 0.1	1.0		15.1	1.1	0.2	
13.9	1.3		3.1	0.5		
13.9 127.2 32.6 3.9	-0.3		12.0	0.6	0.1	
	13.9		127.2	32.6	3.9	

£ million							
toss output per head	2569	ileitenes	2568	885,875	2567	164,437	2565
			818,86				
	-1.8		2.6		8.8		1.1
	1.1		-2.8		1.1		0.6
	1.2		25.9		12.7		-6.8
	0.4		25.7		22.6		-5.1
otio of operatives to admin climical and clenical amplo		1222233	Telegraphic and	0.1		8.1	
			52.6		104.3		14.7
	3.6		19.4		19.8		19.5
et capital expenditure as a gross value added	996 7.0 90		129.6		125.1		18.4
	19.3		201.7		249.2		52.7

TABLE 11

Operating ratios, 1985

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

	Unit	2562	2563	2564	2565
Gross output per head	£	59,843	150,564	72,616	27,504
Net output per head	£	24,635	37,521	26,502	16,002
Gross value added per head	£	18,608	28,891	19,228	13,113
Gross value added as a percentage of gross output	%	3 0 31	19	27	48
Ratio of gross output to stocks		€ 7.5	7.3	5.9	4.2
Wages and salaries as a percentage of gross value added	%	52	35	57	68
Ratio of operatives to administrative, technical and clerical employees		1.0	2.1	0.6	3.2
Wages and salaries per operative	£	8,681	8,997	10,137	7,905
Wages and salaries per administrative, technical and clerical employee	£	10,626	12,455	11,401	11,917
Net capital expenditure per head	£	1,491	8,507	4,760	1,745
Net capital expenditure as a percentage of gross value added	%	8.0 8	29	25	13

PA256

TABLE 11

Operating ratios, 1985

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

	Unit	2567	2568		2569	
Gross output per head	£	94,621	279,238	raes	64,437	
Net output per head	£	38,919	99,251		27,826	
Gross value added per head Gross value added as a percentage of	£	31,988	94,819		23,470	
ross output	%	34	34		36	
atio of gross output to stocks		8.5	5.9		6.8	
Vages and salaries as a percentage of ross value added	%	33	10	22,6	36	
atio of operatives to administrative, echnical and clerical employees		1.0	1.0		1.8	
lages and salaries per operative	£	9,560	8,692		7,935	
lages and salaries per administrative, chnical and clerical employee	£	11,481	11,123		9,740	
et capital expenditure per head	£	5,658	7,686		1,928	
et capital expenditure as a percentage gross value added	%	18	8		8	

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