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Structural clay products

Census of Production

Report on the

Business Monitor

1989

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STATISTICS 42

BACK UP

Business Statistics Office

A publication of the Government Statistical Service



BUSINESS MONITORS

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PA241

BUSINESS MONITOR

A publication of the Government Statistical Service

Report on the Census of Production 1989

Structural clay products

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
Business Statistics Office

London: Her Majesty's Stationery Office

Coal extraction and manufacture of solid fuels

Drawing, cold rolling and cold forming of steel

Extraction of miscellaneous minerals (including

Building products of concrete, cement or plaster

Working of stone and other non-metallic minerals

Specialised chemical products mainly for

Specialised chemical products mainly for

Extraction of stone, clay, sand and gravel

Extraction of mineral oil and natural gas

Production and distribution of electricity

Introductory notes

Public gas supply

Water supply industry

Iron and steel industry

Structural clay products

Cement, lime and plaster

Refractory and ceramic goods

Soap and toilet preparations

Production of man-made fibres

Forging, pressing and stamping

Industrial plant and steelwork

Paints, varnishes and printing ink

industrial and agricultural purposes

Bolts, nuts, etc; springs; non-precision

Metal-working machine tools and engineers'

Machinery for the food, chemical and related industries; process engineering contractors

Mining machinery, construction and mechanical

Machinery for printing, paper, wood, leather, rubber, glass and related industries; laundry

Miscellaneous machinery and mechanical equipment

Manufacture of office machinery and data

Electrical equipment for industrial use, and

Telecommunication equipment, electrical measuring equipment, electronic capital goods

Electric lamps and other electric lighting

Aerospace equipment manufacturing and repairing

Measuring, checking and precision instruments

Medical and surgical equipment and orthopaedic

Optical precision instruments and photographic

Clocks, watches and other timing devices

Motor vehicle bodies, trailers and caravans

Mechanical power transmission equipment

Ordnance, small arms and ammunition

Hand tools and finished metal goods

Agricultural machinery and tractors

Basic industrial chemicals

Pharmaceutical products

household and office use

chains; metals treatment

Textile machinery

handling equipment

processing equipment

equipment

Motor vehicle parts

Shipbuilding and repairing

Cycles and motor cycles

Miscellaneous vehicles

and apparatus

appliances

equipment

Railway and tramway vehicles

and dry cleaning machinery

Insulated wires and cables

Basic electrical equipment

batteries and accumulators

and passive electronic components

Domestic-type electric appliances

Motor vehicles and their engines

Miscellaneous electronic equipment

Metal doors, windows, etc

Non-ferrous metals industry

Mineral oil processing

Coke ovens

Steel tubes

Asbestos goods

Foundries

tools

Abrasive products

Glass and glassware

salt

PA1001

PA111

PA120

PA130

PA140

PA161

PA162

PA170

PA221

PA222

PA224

PA231 PA239

PA241

PA242

PA243 PA244

PA245

P4246

PA247

PA248

PA251

PA255

PA256

PA257

PA258

PA259

P4260

PA311

PA312

PA313

PA314

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PA346

PA347

PA351

PA352

PA353

PA361

PA362

PA363

PA364

PA365

PA371

PA372

PA373

PA374

PA241 STRUCTURAL CLAY PRODUCTS

The information in this report relates to businesses classified to the Structural clay products industry, Group 241 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity Heading:

2410 Structural clay products

Manufacture of clay building bricks, unglazed clay floor and roofing tiles, chimney pipes, clay pipes and conduits and similar structural clay products. Glazed tiles and fireclay sanitary ware are classified to Group 248.

For a full description of the 1980 classification see Standard Industrial Classification Revised 1980, obtainable from Her Majesty's Stationery Office, price £4.25.

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

	411	Organic oils and tats
PA	412	Slaughtering of animals and production of meat
		and by-products
	413	Preparation of milk and milk products
	414	Processing of fruit and vegetables
	415	Fish processing
	416	Grain milling
PA	419	Bread, biscuits and flour confectionery
PA	420	Sugar and sugar by-products
PA	421	Ice-cream, cocoa, chocolate and sugar
		confectionery
PA	422	Animal feeding stuffs
PA	423	Starch and miscellaneous foods
PA	424	Spirit distilling and compounding
PA	426	Wines, cider and perry
PA	427	Brewing and malting
PA	428	Soft drinks
PA	429	Tobacco industry
PA	431	Woollen and worsted industry
PA	432	Cotton and silk industries
	433	Throwing, texturing, etc of continuous filament
THE RESERVE	TE STATE	yarn
PA	434	Spinning and weaving of flax, hemp and ramie
	435	Jute and polypropylene yarns and fabrics
	436	Hosiery and other knitted goods
	437	Textile finishing
	438	Carpets and other textile floorcoverings
	439	Miscellaneous textiles
	441	Leather (Tanning and dressing) and fellmongery
	442	Leather goods
	451	Footwear
	453	Clothing, hats and gloves
	455	Household textiles and other made-up textiles
	456	Fur goods
	461	Sawmilling, planing etc of wood
	462	Manufacture of semi-finished wood products and
	1702	further processing and treatment of wood
DΔ	463	Builders' carpentry and joinery
	464	Wooden containers
	465	Miscellaneous wooden articles
	466	Articles of cork and plaiting materials, butes
PA	400	and brooms
DA	467	Wooden and upholstered furniture and shop and
PA	407	office fittings
DA	171	
	471	Pulp, paper and board
		Conversion of paper and board
	475	Printing and publishing
	481	Rubber products
	483	Processing of plastics
	491	Jewellery and coins
	492	Musical instruments
PA	493	Photographic and cinematographic processing
	404	laboratories
	494	Toys and sports goods
	495	Miscellaneous manufacturing industries
	500	Construction
PA	1002	Summary volume
		Signess to receive
		hatecholos which

PA411 Organic oils and fats

LIST OF CONTENTS

or contre	ng 1984, to: production inquiries, the 880 moved to an		Page
Explanator	ry notes and definitions		5-7
Table 1	Output and costs, 1985-1989		8
Table 2	Capital expenditure, 1985-1989		9
Table 3	Stocks and work in progress, 1985-1989		9
Table 4	Employment, labour costs, output, net capital expend and work in progress by size of total employment, 19		10-11
Table 5	Percentage analysis of twelve-month periods covered for the 1989 Census by number of returns and total e		12
Table 6	Operating ratios, 1985-1989		12
Table 7	Regional distribution of employment, net capital expe	nditure, net	12

2

EXPLANATORY NOTES AND DEFINITIONS INTRODUCTION

- 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 Her Majesty's Stationery Office, 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 address.

THEREGISTER

- 7. A register of businesses throughout the United Kingdom is held on the BSO computer and provides the basis for BSO inquiries. For each business the register contains identification particulars and information 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. 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.
- 8. The Annual Census and other BSO 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 Sales Inquiry, 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 BSO 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 1989 Census, forms were despatched to all establishments with 20 or more employed except for those in the 20 to 49 employment size band located in England where, in general a sample of 1 in 2 was taken. For industries where there were few units in the sample sizeband or where response in earlier years was poor, it was necessary to increase the sample. About 23,300 forms were despatched in the United Kingdom for the 1989 Census.

PERIOD COVERED

11. Businesses were asked to make returns for the calendar year 1989 but, where this was not possible, returns for business years ending between 6 April 1989 and 5 April 1990 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 onthat 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 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 1989

18. The 1989 Census was a benchmark one with a larger number of businesses receiving inquiry forms than had been the case with the previous 4 Censuses. Additional questions, for larger businesses only, asked for information on road transport costs and postal and telecommunications costs. The questions relating to computer costs included in the 1988 Census, were discontinued, but those relating to the cost of assets leased under the finance leasing arrangements were retained.

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

22. 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 non-deductible 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

28. 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 know-how. 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 contributions to canteens, social centres, children's and holiday homes etc. and the cost of supplying luncheon

EMPLOYMENT

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.

c. WORKING PROPRIETORS

33. 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.

ENTERPRISE

34. This is defined as one or more businesses under common owner-ship 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 WORK IN 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.

NETOUTPUT

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 EMPLOY-MENT.

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

43. 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

48. 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.

WORKINPROGRESS

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.

Output and costs, 1985-1989
All United Kingdom businesses classified to the industry (a)

gradum en rechtle tellen en challad seinnig	Unit	1985	1986	1987	1988	1989
Enterprises	Number	184	187	183	175	179
Businesses	ome	229	240	225	203	205
Sales of goods produced	£ million	602.7	640.8	768.9(b)	943.8(c)	959.8
Work done and industrial services rendered		0.4	0.5	0.2	(c)	0.3
Capital goods produced for use within the business	OORG POODS	1.0	0.7	(b)	1.5	1.3
Non-industrial services rendered	reed in the year	1.7	1.5	2.3	2.2	1.3
Goods merchanted or factored	gen bitte stoubun	34.6	54.0	12.8	11.2	14.2
Total sales and work done	Best TAV seet	640.4	697.5	784.1	958.6	976.9
Increase during the year, work in progress and goods on hand for sale	s on returned god dee duty ;; the s lid in bond or arc	21.7	-7.3	-15.7	-5.2	51.1
Gross output	0.00	662.1	690.1	768.4	953.4	1,028.1
Purchases of materials for use in production, packaging and fuel	emembeded or	184.3	166.4	160.7	187.6	214.8
Purchases of goods for merchanting or actoring	Melana sebagai way " anich mi	25.1	35.5	11.2	9.9	9.1
ncrease during the year, stocks of materials, stores and fuel	entretnessigns at to ghitmadores and and account ones	0.1	-0.1	4.2	4.4	6.6
Cost of industrial services received	ii .	18.7	23.9	29.4	38.7	38.6
Net output	8 3 m 3 A 2 U/A	434.1	464.3	571.3	721.6	772.2
Total employment	Thousand	18.6	17.7	17.4	19.1	20.1
Net output per head	f	23,318	26,217	32,808	37,741	38,496
Cost of non-industrial services received						
Hire of vehicles, plant and machinery	£ million	5.0	5.1	5.1	7.5	10.2
Rents of industrial and commercial buildings		0.9	0.7	0.9	1.0	1.0
Commercial insurance premiums	ie tomoushood	2.3	2.9	3.2	3.8	4.7
Bank charges	"	0.3	0.3	0.4	0.4	0.5
Other non-industrial services		67.5	62.2	78.1	76.8	92.8(d
icensing of motor vehicles	10 0 m a 3 90000	1.1	1.1	1.1	1.3	1.5
Rates, excluding water rates	I no Provi violen	6.1	6.9	7.6	8.1	11.1
Gross value added at factor cost	,	350.9	385.2	475.0	622.7	650.3
Gross value added at factor cost per head	f	18,848	21,747	27,278	32,570	32,421

⁽a) Satisfactory returns accounted for 92 per cent of employment within the industry in 1989.

TABLE 2

Capital expenditure, 1985-1989 (a)

All United Kingdom businesses classified to the industry

tal sales Gross	1985	1986	1987	1988	1989	Sutal stocks exidend
Land and buildings						
New building work	*Operatives	10.1	9.3	20.7	18.0	
Land and existing building						
Acquisitions	*	Incirel 1.6	4.3	2.7	12.0	
Disposals	c.Total latoper	0.8	2.1	5.1	4.8	
Net	1.7	11.0	11.5	18.3	25.2	
Plant and machinery						
Acquisitions	38.0	31.7	59.3	96.7	96.2	
Disposals	0.8	0.5	0.8	1.1027	1.7	
Net	807 11 12 45 2 37.2	31.2	58.5	95.6	94.5	
Vehicles						
Acquisitions	5.0	3.2	4.1	4.3	7.7	
Disposals	0.9	0.9	1.8	1.6	1.3	
Net	4.2	2.3	2.4	2.7	6.5	
Total net capital expen	diture 43.1	44.5	72.3	116.6	126.2	

⁽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 £754 thousand for 1988 and £2.4 million for 1989.

TABLE 3

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

					£ million					
1985	1986	1987	1988	1989	Value at end of 1989					
Increase during year										
0.1	-0.1	4.2	4.4	6.6	41.8					
0.5	0.5	1.8	0.6	0.8	11.5					
21.2	-7.8	-17.5	-5.8	50.4	95.0					
21.8	-7.5	-11.5	-0.8	57.8	148.3					
	0.1 0.5 21.2	0.1 -0.1 0.5 0.5 21.2 -7.8	Increase during y 0.1 -0.1 4.2 0.5 0.5 1.8 21.2 -7.8 -17.5	Increase during year 0.1 -0.1 4.2 4.4 0.5 0.5 1.8 0.6 21.2 -7.8 -17.5 -5.8	Increase during year 0.1 -0.1 4.2 4.4 6.6 0.5 0.5 1.8 0.6 0.8 21.2 -7.8 -17.5 -5.8 50.4					

⁽b) Capital goods produced for use within the business included in sales of goods produced.

⁽c) Work done and industrial services rendered included in sales of goods produced.

⁽d) Includes the cost of transport of goods by road (within the UK) of £44.1 million and postal and telecommunication costs of £6.3 million. These were collected separately for 1989 but not for the other years shown in the table.

TABLE 4

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

All United Kingdom businesses classified to the industry (a)

Size group	Busin- esses	Enter- prises	Employment		1986	Wages and	salaries (c)		
Enterprises		(b)							
							26	203	1984
			Total including	Opera-	Administr- ative,tech-	Operatives		Administr technical	
			working proprietors	tives	nical and clerical			clerical	omziigida
						Total	per head	Total	per head
	Number	Number	Thousand	Thousand	Thousand	f million	£	£ million	f
1-9	123	120	0.4)						
10-19	12	12	0.2)	1.7	0.5	19.4	11,709	8.6	19,095
20-49	22	22	0.7)	1.7	0.5	13.4	11,703	0.0	20101/101/
50-99	14	13	0.9)						
100-199	16	11,000	2.2	1.7	0.5	19.2	11,324	6.8	12,565
200-299	6	6	1.6	1.2	0.4	14.3	12,288	7.0	16, 283
300-399	4	4	1.5	1.1	0.4	11.6	10,641	5.0	13,714
400-999	3	3	1.8	1.3	0.5	14.6	11, 184	5.5	11,206
1,000-Plus	5	bettop 4 ete	10.8	8.6	2.1	107.4	12,437	26.7	12,451

Total	205	179	20.1	15.6	4.4	186.6	11,996	59.7	13,481

⁽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.

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lotal pares	Gross output	Net output	nent	Gross value added at factor cost	Not but	Net capital expenditure (d)	Total stocks and work in progress at end of year
				f per cen million gi.s United	n 1 millon		
		Total	per	Total	per head		
			head		nead		
f million	£ million	f million	£	£ million	£	f million	£ million
Yorkshira and Humberside							
104.8	111.3	82.4	37,754	(e)	(e)	24.4	16.3
111.5	116.4	89.4	40,057	142.7(e)	32,432(e)	12.9	18.2
97.8	103.6	75.9	47,578	62.3	39,042	13.0	15.7
56.2	61.2	43.4	29,749	34.8	23,831	9.1	51.114.17.9
98.9	103.6	78.2	43,408	62.9	34,901	18.5	13.4
507.6	531.9	402.8	37,342	347.7	32,234	48.3	70.5

976.9 1,028.1 772.2 38,496 650.3 32,421 126.2 148.3

⁽b) The count of enterprises shown in each row represents the number of enterprises, irrespective of size, owning the businesses shown in each size group. Because an enterprise may own businesses 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 £29.7 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.

TABLE 7

PA241

Percentage analysis of twelve-month periods covered by returns received for the 1989 Census by number of returns and total employment

Accounting year ended		Perce recei	entage of total ved	returns	Percentage of total employment			
1989	April 6-30		6.0		output	0.8	2109 Qu 600	
	May		-			-		
	June		4.0			2.2		
	July		2.0			0.4		
	August September		- leid1 8.0			33.2		
	October		2.0			0.4		
	November		-			-		
	December		56.0			54.2		
1990	January		-1(0)			8.5H 8.6		
	February		2.0			0.2		
	1 March - 5 April		20.0			8.6		

TABLE 6

Operating ratios, 1985-1989

All United Kingdom businesses classified to the industry

	Unit	1985	1986	1987	1988	1989
Gross output per head	£	35,567	38,967	44, 125	49,866	51, 252
Net output per head	£	23,318	26,217	32,808	37,741	38,496
Gross value added per head	£	18,848	21,747	27,278	32,570	32,421
Gross value added as a percentage of gross output	%	53	56	62	65	63
Ratio of gross output to stocks		6.0	6.8	8.8	10.9	6.9
Vages and salaries as a percentage of ross value added	%	48	42	37	34	38
atio of operatives to administrative, echnical and clerical employees		4.4	4.1	4.1	3.9	3.5
Vages and salaries per operative	£	8,799	8,974	9,911	10,976	11,996
Vages and salaries per administrative, echnical and clerical employee	£	9,908	10,142	11,303	11,999	13, 481
Net capital expenditure per head (a)	£	2,314	2,510	4, 152	6,099	6,292
Net capital expenditure as a percentage of gross value added (a)	%	12	12	15	19	19

⁽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, 1989 All United Kingdom businesses classified to the industry

Area	Total employment (a)			Net capital expenditure (b)		Net output (c)		Gross value added at factor cost (c)	
	Thousand	d per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	per cent of United Kingdom	
Standard regions of England									
North	0.9	4.6	8.6	6.8	35.6	4.6	27.3	4.2	
Yorkshire and Humberside	2.7	13.3	8.8	7.0	99.2	12.8	82.5	12.7	
East Midlands	2.7	13.4	9.4	7.5	102.1	13.2	84.0	12.9	
East Anglia	1.3	6.6	-0.4	-0.3	40.2	5.2	35.2	5.4	
South East	5.0	24.9	28.6	22.7	181.4	23.5	159.1	24.5	
South West	0.9	4.3	5.0	4.0	39.2	5.1	30.7	4.7	
West Midlands	3.3	16.6	38.2	30.2	150.1	19.4	127.6	19.6	
North West	1.3	6.6	22.1	17.5	60.8	7.9	51.1	7.9	
England	18.1	90.4	120.3	95.3	708.5	91.8	597.7	91.9	
Wales	*	*	*	*	*	*	*	*	
Scotland	1.0	4.8	3.4	2.7	30.8	4.0	25.0	3.8	
Great Britain	*	*	*	*	*	*	*	*	
Northern Ireland	*	*	*	*	*	*	*	*	
- United Kingdom	20.1	100.0	126.2	100.0	772.2	100.0	650.3	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.

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