Business Monitor

PA326

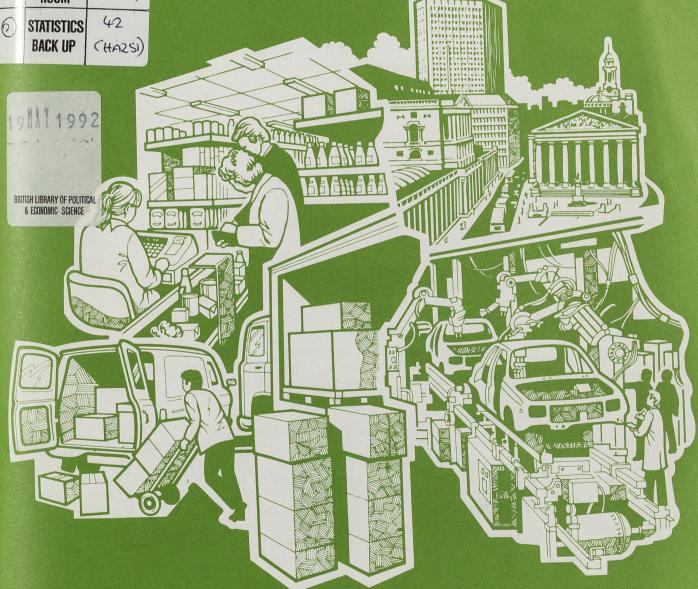
Report on the Census of Production

1990

STATISTICS (HAZSI)

STATISTICS (42

Mechanical power transmission equipment





A publication of the Government Statistical Service

BUSINESS MONITORS

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PA326

BUSINESS MONITOR

A publication of the Government Statistical Service

Report on the Census of Production 1990

Mechanical power transmission equipment

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

CENTRAL STATISTICAL OFFICE

London: HMSO

Page

PA326 MECHANICAL POWER TRANSMISSION EQUIPMENT

The information in this report relates to businesses classified to the Mechanical power transmission equipment industry, Group 326 in the The Information Pents and Information Revised 1980. The industry Group covers the following Activity Heading:-

Precision chains and other mechanical power transmission equipment

1. Precision chains

Manufacture of transmission and other precision chains, including transmission chains for motor vehicles and cycles.

2. Plain bearings and bushes

Manufacture of plain bearings and bushes.

3. Other mechanical power transmission equipment including gears and gear boxes Manufacture of gears, gear boxes and geared motor units, mechanical power transmission plant, pulley wheels, camshafts, clutches, fly-wheels and crankshafts. Gears, gear boxes, clutches and engine parts for motor vehicles and wheeled tractors are classified to Groups 353 and 321 respectively.

Ball, needle and roller bearings

Manufacture of ball, needle and roller bearings including those for motor vehicles.

For a full description of the 1980 classflication 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.

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FAZO	agricultural purposes	PA427	Brewing and malting
PA25		PA428	Soft drinks
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	and office use	PA432	Cotton and silk industries
PA26	Production of man-made fibres	PA433	Throwing, texturing, etc. of continuous filament yarn
PA31	1 Foundries	PA434	Spinning and weaving of flax, hemp and ramie
PA31	2 Forging, pressing and stamping	PA435	Jute and polypropylene yarns and fabrics
PA31		PA436	Hosiery and other knitted goods
	chains; metals treatment	PA437	Textile finishing
PA31		PA438	Carpets and other textile floorcoverings
PA31	3. 4. 1 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	PA439	Miscellaneous textiles
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PA32		PA451	Footwear
PA32	HEN	PA453	Clothing, hats and gloves
PA32			Household textiles and other made-up textiles
	tries; process engineering contractors	PA456	Fur goods
PA32		PA461	Sawmilling, planing, etc. of wood
	handling equipment	PA462	Manufacture of semi-finished wood products and
PA32	Mechanical power transmission equipment		further processing and treatment of wood
PA32	7 Machinery for printing, paper, wood, leather, rubber	, PA463	Builders' carpentry and joinery
	glass and related industries: laundry and dry cleaning	ng PA464	Wooden containers
	machinery	PA465	Miscellaneous wooden articles
PA32		nt PA466	Articles of cork and plaiting materials, brushes and
PA32	1 (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		brooms
PA33		ng PA467	Wooden and upholstered furniture and shop and office
PAGA	equipment	DA474	fittings Pulp paper and heard
PA34		PA471 PA472	Pulp, paper and board Conversion of paper and board
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PA34			laboratories
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PA35	Motor vehicles and their engines	PA495	Miscellaneous manufacturing industries
PA35	Motor vehicle bodies, trailers and caravans	PA500	Construction
PA35		PA1002	Summary volume
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EXPLANATORY NOTES AND DEFINITIONS INTRODUCTION

1. These notes give basic information to help with the interpretation of tables in this Industry Report. More general information about the Census is given in a separate Business Monitor - Report on the Census of Production, Introductory Notes (PA 1001).

2. Since 1980, Censuses have been conducted on the Standard Industrial Classification Revised 1980 (SIC(80)). The Standard Industrial Classification exists to promote uniformity and comparability in the official statistics of the United Kingdom. The SIC(80) is the result of an attempt to align the United Kingdom classification with the General Industrial Classification of Economic Activities within the European Communities (NACE). It is based on activity rather than commodities produced. A full description of SIC(80) is given in Standard Industrial Classification Revised 1980, obtainable from 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 CSO computer and provides the basis for CSO inquiries. For each business the register contains identification particulars and information about its eligibility for inclusion in an inquiry, its relationship with other businesses in common ownership, its industrial classification, the nationality of its parent and location indicators for regional analyses. Regional and size analyses of manufacturing units are published in Business Monitor PA1003 Size analyses of United Kingdom businesses.
- 8. The Annual Census and other CSO inquiries provide a major source of information for checking the register and updating employment data. Where businesses do not make returns to these inquiries, estimates of employment are imputed from VAT turnover. For businesses which have an imputed employment of 11 or more, the estimates are checked by means of register proving forms. For businesses on the register making returns to the Quarterly or Annual Sales Inquiries, industrial classification is reviewed annually and is derived from an analysis of their commodity sales. For other businesses the classification is obtained either from VAT sources or from the register proving forms. Estimates of employment made by the CSO and the Department of Employment differ because they are derived from two separate inquiries and use different procedures and employment definitions.

COVERAGE

- 9. The Census covers United Kingdom businesses engaged in industrial production, ie mining and quarrying, manufacturing, construction, and gas, electricity and water supply industries (Divisions 1 to 5 of SIC(80)). Businesses in the Channel Islands and the Isle of Man are excluded.
- 10. Under the sampling arrangements agreed for the 1990 Census, forms were despatched to all businesses with 100 or more employed and, for most production industries, samples of 1 in 4 and 1 in 2 respectively being taken for businesses in the 20 to 49 and 50 to 99 employment size bands. It was necessary to increase the sample in those industries where there were few businesses in the sample size band or where response in earlier years was poor. About 16,800 forms were despatched in the United Kingdom for the 1990 Census.

PERIOD COVERED

11. Businesses were asked to make returns for the calendar year 1990 but, where this was not possible, returns for business years ending between 6 April 1990 and 5 April 1991 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 1990

18. The 1990 Census reverted to a 'slimline' format with fewer businesses being required to complete forms than in 1989. The questions asked in 1989 on road transport costs and on postal and telecommunications costs were dropped but additional questions were included on capital and current costs associated with pollution abatement.

SYMBOL SUSED

- 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

BOUNDING 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.

h on NEWRI III DING 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

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

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

EMPL OVMENT

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

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 ommission are excluded.

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

15. 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 ICENSING 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.

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 MER-CHANTING 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 OFMATERIALS, STORES AND FUEL.

NET OUTPUT PER HEAD

40. This is calculated by dividing NET OUTPUT by total EMPLOY-

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 BATIOS

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 MER-CHANTING 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 ypes, 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.

PENJINERATION 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' in 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.

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.

WACES AND SALARIES

47. This represents amounts paid during the year to ADMINISTRA-TIVE, TECHNICAL AND CLERICAL EMPLOYEES and to OPERA-TIVES. 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 IN-SURANCE 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.

WORK IN PROGRESS

49. This represents materials which have been partially processed and are awaiting further processing before being sold or transferred. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not deducted.

Output and costs, 1986-1990
All United Kingdom businesses classified to the industry (a)

sough to broken a two set outsides	Unit	1986	1987	1988	1989	1990
Enterprises	Number	3, 020	3, 146	3, 085	3, 094	2, 929
Businesses	UNIO 2244 H	3, 078	3, 175	3, 118	3, 115	2, 953
Sales of goods produced	£ million	1, 077. 1	1, 183. 6	1, 235. 0	1, 341. 7	1, 366. 7
Work done and industrial services rendered	90 # 200 a	87. 2	89. 2	63. 9	72. 7	71. 1
Capital goods produced for use within the business	a magleranish a	1. 4	1. 4	1. 8	1. 4	1.1
Non-industrial services rendered		5. 6	4. 8	1. 8	2. 3	2.3
Goods merchanted or factored	are to the say side of	127. 0	145. 4	156. 4	175. 8	181. 6
Total sales and work done	"	1, 298. 3	1, 424. 3	1, 458. 9	1, 594. 0	1, 622. 8
Increase during the year, work in progress and goods on hand for sale		0. 2	11. 1	0. 3	4. 8	24. 0
Gross output	riscop <mark>ii</mark> orth it ytu	1, 298. 5	1, 435. 4	1, 459. 3	1, 598. 8	1, 646. 7
Purchases of materials for use in production, packaging and fuel	whogse to see amonaldicator areastatora	420. 1	491. 5	490. 6	538. 7	562. 4
Purchases of goods for merchanting or factoring	nton elheteselig riquelle eimes s	104. 5	113. 7	122. 0	131. 3	141. 4
Increase during the year, stocks of materials, stores and fuel		2. 1	0. 2	1. 4	10. 9	3. 0
Cost of industrial services received	racijo il simbostinis. Vincii p e likus gritinis	40. 3	56. 4	52. 1	61. 3	57. 7
Net output		735. 7	774. 1	796. 0	878. 3	888. 1
Total employment	Thousand	45. 5	45. 7	43. 3	40. 5	38.9
Net output per head	£	16, 161	16, 921	18, 397	21, 663	22, 826
Cost of non-industrial services received						
Hire of vehicles, plant and machinery	£ million	11. 4	11. 7	10. 9	10. 9	12. 1
Rents of industrial and commercial buildings	teonavolla gr teviortuaiat	6. 7	7. 2	4. 7	5. 5	6. 3
Commercial insurance premiums		8. 1	8. 7	8. 9	9. 3	9. 3
Bank charges	en de l'establishe	1.1	1. 3	1. 2	1.8	1. 6
Other non-industrial services		79. 9	83. 9	63. 4	76. 0	86. 3
icensing of motor vehicles	sardy, in bas	0.4	0.3	0.3	0. 2	0.3
Rates, excluding water rates	the Part of	13. 8	15. 2	15. 9	16. 4	15. 7
Gross value added at factor cost		614. 4	645. 6	690. 8	758. 2	756. 7
Gross value added at factor cost per head	£	13, 496	14, 113	15, 965	18, 699	19, 447

⁽a) Satisfactory returns accounted for 58 per cent of employment within the industry in 1990.

TABLE 2

Capital expenditure, 1986-1990 (a)

All United Kingdom businesses classified to the industry

							L million
	alarise (o) valuals	1986	1987	1988	1989	1990	aucin
Land and buildings							
New building work		anyinana 1. 0	selalmbA 8. 1	6. 3	23. 5	14. 1	
Land and existing bu	ildings						
Acquisitions		5. 4	5. 8	7. 1	3. 5	9. 7	
Disposals		1. 4	22. 7	3. 8	13. 5	1. 2	
Net		5. 0	-8. 8	9. 6	13. 5	22. 5	
Plant and machinery							
Acquisitions		62. 0	69. 5	70. 7	99. 1	84. 4	
Disposals		2. 5	3. 1	4. 3	7. 0	4. 0	
Net		59. 5	66. 4	66. 5	92. 1	80. 4	
/ehicles							
Acquisitions		5. 2	6. 6	7.0	8. 2	6. 4	
Disposals		1.9	2.4	2. 9	2. 8	1.6	
Net		3. 3	4.3	4. 1	5. 4	4.7	
Total net capital ex	cpenditure	67. 9	61. 9	80. 1	111.0	107. 6	
	SERVICE STATE	F 15-0 F	F 518 433	4 3 10 10 10 10			sale open

⁽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 £6 million for 1990.

TABLE 3

Stocks and work in progress, 1986-1990
All United Kingdom businesses classified to the industry

						£ million
	1986	1987	1988	1989	1990	Value at end of 1990
			Increase during y	ear		
Materials, stores and fuel	2. 1	0. 2	1.4	10. 9	3. 0	87. 6
Work in progress	-1. 5	8.8	4. 7	8. 5	11.5	130. 2
Goods on hand for sale	1. 7	2. 3	-4. 4	-3. 7	12. 4	91. 7
Total stie eno ment exome	2.3	11.3	1.7	15. 8	26. 9	309. 5

17.3

50.8

71.4

9.4

23. 5

16.8

TABLE 4

Employment, labour costs, output, net capital expenditure and stocks and work in progress by size of total employment, 1990

All United Kingdom businesses classified to the industry (a)

Size group	Busin- esses	Enter- prises	Employmen	t		Wages and	salaries (c)		
		(b)							
			Total including working	Opera- tives	Administr- ative,tech- nical and	Operatives),34 aprile	Administrative technical and clerical	
			proprietors		clerical			Ciericai	
						Total	per	Total	per head
	Number	Number	Thousand	Thousand	Thousand	£ million	£	£ million	£
1–9	2, 428	2, 426	6. 6)						
10-19	238	238	3. 5)						
20-49	201	200	6. 2)	11. 6	5. 3	132. 5	11, 460	77. 4	14, 520
50-99	30	29	2. 1)						
100-199	29	29	4. 0	2. 6	1.4	30. 8	11, 768	20. 9	14, 991
200-299	8	7	2. 1	1. 3	0.8	15. 1	11, 542	10. 5	13, 444
300-399	6	5	2. 1	1.3	0.7	14. 1	10, 508	11.6	16, 243
400-999	8	8	4. 3	3. 2	1. 2	39. 8	12, 595	15. 6	13, 368
1000 plus	5	5	8. 0	5. 8	2. 2	66. 3	11, 473	37. 2	16, 999

Total	2, 953	2, 929	38. 9	25. 8	11.6	298. 6	11, 588	173. 1	14, 963

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

Total sales and work done	Gross output	Net output	ent i	Gross value added at factor cost	Net outp	Net capital expenditure (d)	Total stocks and work in progress at end of year
		Total	per head	Total	per head		
sodard regio	As of England C. 0			8.0		- sed station	
£ million	£ million	£ million	£	£ million	£	£ million	£ million
691. 7	703. 7	419. 7	22, 733	(e)	(e)	35. 2	115. 0
						gjirgA 8 - norejš i	
189. 2	190. 6	101. 6	25, 320	440. 7(e)	19, 674(e)	7. 8	32. 6
83. 2	87. 5	53. 1	25, 432	46. 8	22, 403	14. 9	22. 5

39.0

101.8

128.3

21, 953

26, 315

19, 432

45. 1

113.8

154.8

84. 6

221.9

358. 5

85. 4

220. 9

352. 4

18,994

23, 548

16, 109

1 622 9	1, 646, 7	888. 1	22, 826	756. 7	19, 447	107. 6	309. 5	

⁽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 £66.6 million. The remuneration of outworkers on returns received - also excluded from the table - was £314 thousand.

⁽d) Net capital expenditure includes the value of assets acquired under finance leasing - see Table 2.

⁽e) Gross value added data relate to businesses employing 1-199.

TABLE 7

Percentage analysis of twelve-month periods covered by returns received for the 1990 Census by number of returns and total employment

Accounting	year ended	Percentage of to received	Percentage of total employment				
1990	April 6-30	8. 1		SHOPEG	701	4. 0	Noova bas
		2. 4				0. 5	
	May						
	June	3. 2				1. 4	
	July	2. 4				0. 5	
	August	6. 5				5. 8	
	September	4. 8				12. 7	
	October	0.8				0. 2	
	November	3. 2				2. 6	
	December	40. 3				55. 1	
991	January	4. 8				3. 9	
	February	1. 6				0. 7	
	1 March - 5 April	21. 8				12. 5	

TABLE 6

Operating ratios, 1986-1990

All United Kingdom businesses classified to the industry

	Unit	1986	1987	1988	1989	1990
				-		
Gross output per head	£	28, 523	31, 376	33, 726	39, 430	42, 323
Net output per head	£	16, 161	16, 921	18, 397	21, 663	22, 826
Gross value added per head	£	13, 496	14, 113	15, 965	18, 699	19, 447
Gross value added as a percentage of gross output	%	47	45	47	47	46
Ratio of gross output to stocks		4. 4	4. 7	5. 2	5. 6	5. 3
Nages and salaries as a percentage of gross value added	%	66	66	62	60	62
Ratio of operatives to administrative, echnical and clerical employees		2. 2	2. 2	2. 3	2. 3	2. 2
Nages and salaries per operative	£	8, 602	8, 956	9, 582	10, 855	11, 588
Nages and salaries per administrative, echnical and clerical employee	£	10, 338	11, 100	11, 807	13, 318	14, 963
Net capital expenditure per head (a)	£	1, 491	1, 353	1, 852	2, 737	2, 766
let capital expenditure as a percentage f gross value added (a)	%	11	10	12	15	14

⁽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, 1990 All United Kingdom businesses classified to the industry

Area	Total employm (a)	ent	Net cap expendi (b)	ital ture	Net outp (c)	out	Gross v added a factor c (c)	t.,
tak patang presiden		27.872	3,3		1. 12			N 12 EGILLAN
Land and assisting MARA	Thousand	per cent	£ million	per cent of	£ million	per cent of	£ million	
		United Kingdom		United Kingdom		United Kingdom		United Kingdon
Standard regions of England								
North	2. 5	6. 4	15. 5	14. 4	71. 0	8. 0	65. 3	8. 6
Yorkshire and Humberside	1 1	11. 3	7. 5	6. 9	100. 9	11. 4	84. 5	11. 2
East Midlands	6. 7	17. 1	21. 3	19. 8	119. 9	13. 5	102. 1	13. 5
East Anglia	1. 5	3. 9	2.3	2. 1	37. 9	4. 3	33. 3	4. 4
South East	8. 2	21. 0	18. 5	17. 1	199. 4	22. 4	165. 1	21. 8
South West	3. 0	7. 7	7. 3	6. 8	73. 5	8. 3	63. 8	8. 4
West Midlands	5. 6	14. 5	10. 2	9. 5	127. 1	14. 3	109. 0	14. 4
North West	3. 2	8. 3	8. 8	8. 2	67. 9	7. 6	56. 9	7. 5
Total net capital gyp	35. 1	90. 3	91. 2	84. 8	797. 4	89. 8	679. 9	89. 9
England Wales	*	2 89 .				# SOLAKE II	terreport by	AAIBSAL.
Scotland	2. 3	5. 9	7. 0	6. 5	56. 4	6. 3	47. 8	6. 3
	-	27.3	brist	post -			ranny alqu	in testingly
Great Britain	22	22, 977		3	*	bae	d vog sugn	to test
Northern Ireland	Page 1960	•	*		•	rist services	raubal-nan b	Cost of
United Kingdom	38. 9	100. 0	107. 6	100. 0	888. 1	100. 0	756. 7	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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Output and costs, 1990
All United Kingdom businesses classified to each Activity Heading within the industry

		Unit	3261	3262	
Enterprises(a)		Number	2, 804	128	
Businesses		"	2, 823	130	
Sales of goods produced		£ million	960. 1	406. 6	
Work done and industrial ser	vices	anso tag as 2	theo ted bhasuo		
rendered		basing. S	70. 1	1. 0	
Capital goods produced for us	se within		0. 5	0. 6	
Non-industrial services rende	ered	15.5	1.8	0. 5	
Goods merchanted or factore			38. 2	143. 4	
Total sales and work done	100.8	e e e	1, 070, 7	552. 1	
Increase during the year, wor	k in		8.7 17.1	552. 1	
progress and goods on hand i	for sale	234121	12. 5	11.5	
Gross output		r will wa ar	1, 083. 2	563. 5	
Purchases of materials for us duction, packaging and fuel	e in pro-		382. 6	170.0	
Purchases of goods for merch	anting or		302. 0	179. 8	
factoring	ianting or		29. 8	111.6	
Increase during the year, stoo materials, stores and fuel	ks of	8.8 8.8	3.2 8.3		
0.08 0.0TB 8.08		8.48 0.18	2. 5	0. 5	
Cost of industrial services received			45. 2	12. 5	
Net output		2.0 " 6.6	628. 0	260. 1	
Total employment		Thousand	27. 3	11. 6	
Net output per head		£	22, 977	22, 470	
Cost of non-industrial services received	s				
Hire of vehicles, plant and					
machinery		£ million	0,07.16 9.88	5.00	
Rents of industrial and comr buildings	mercial		5. 6	0. 7	
Commercial insurance prem	niums	ique emir han bire illit o	7. 0	2. 3	
Bank charges		filled onlying but boat t		0.3	
Other non-industrial services		" America emergin (e) den	64. 0	22. 2	
Licensing of motor vehicles	* Baemyolga	more regions, an earnier	0. 2	ne batevooffisher musse yd sbem e	
Rates, excluding water rates		er sersenoù ag lugavo i	11. 0	nisegolfigs ed Gen a beisent e. 4. 7 a	
Gross value added at factor cost		. 2.3	531. 8	2.3	
Gross value added at factor			001.0	224. 9	
per head		£ 15.036	19, 455	19, 430	

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

Capital expenditure, 1990 (a)
All United Kingdom businesses classified to each Activity Heading within the industry

		3261	3262	
and and buildin	gs			
New building w	ork	8. 5	5. 6	
Land and exist	ng buildings			
Acquisitions		3. 6	6. 1	
		0. 6	0. 6	
Net		11. 5	11. 0	
Plant and machi	nery			
		51. 9	32. 5	
Dienosals		2. 5	1.4	
Net		49. 3	31. 1	
461110103		5. 7	0.7	
Disposals		1. 4	0. 2	
		4. 2	0. 5	
Net 8T8 C		65. 0	42. 6	
Total net ca	pital expenditure	05. 0		Hite outes tellar outelf

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

TABLE 10

Stocks and work in progress, 1990 All United Kingdom businesses classified to each Activity Heading within the industry

			£ million
	3261	3262	
Oa Increase during year			
Materials, stores and fuel	2. 5	0. 5	
Work in progress	8. 5	3. 0	
Goods on hand for sale	4. 0	8. 5	
Total	15. 0	11. 9	
THE STATE OF THE S			a sealer of the sealer of
10b Value at end of year			
Materials, stores and fuel	60. 3	27. 3	
Work in progress	84. 4	45. 8	
Goods on hand for sale	37. 6	54. 1	
Total	182. 2	127. 2	

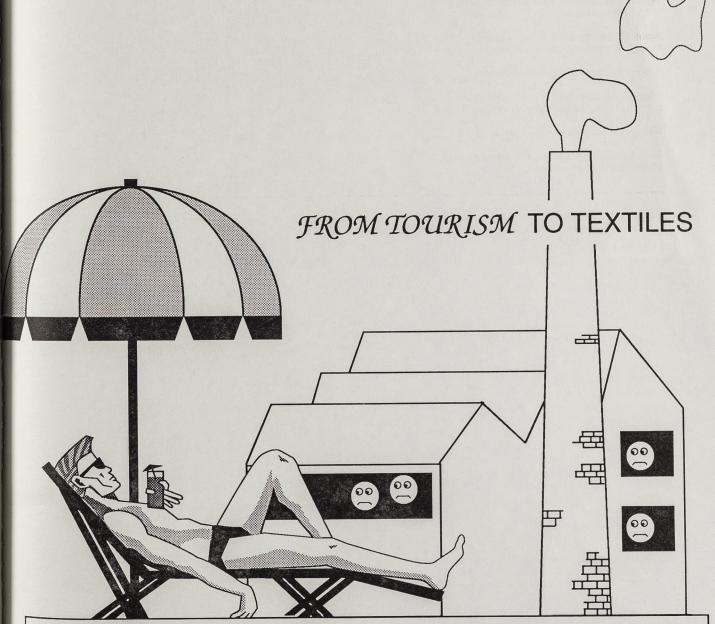
TABLE 11

Operating ratios, 1990

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

			128 apr	Ibliud bna bos
	Unit	3261	3262	New building
Gross output per head	£	39, 628	48, 686	
Net output per head	£	22, 977	22, 470	
Gross value added per head	£	19, 455	19, 430	
Gross value added as a percentage of				
gross output	%	49	40	
Ratio of gross output to stocks		5. 9	4. 4	
Wages and salaries as a percentage of				
gross value added	%	61	65	
Ratio of operatives to administrative,				
technical and clerical employees		2. 1	2. 5	
Wages and salaries per operative	£	11, 646	11, 466	
Wages and salaries per administrative,				
technical and clerical employee	£	14, 637	15, 788	
Net capital expenditure per head (a)	£	2, 380	3, 679	
Net capital expenditure as a percentage				
of gross value added (a)	%	12	19	

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



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Printed in the United Kingdom by HMSO at Cardiff from CRC supplied Dd. 0289820 C3 Cdf 102062 4/92

