

# **Business Monitor**

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**Census of Production** 

Bread, biscuits and flour

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# **BUSINESS MONITORS**

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PA419

**BUSINESS MONITOR** A publication of the Government Statistical Service Report on the **Census of Production** 1989 Bread, biscuits and flour

Bread, biscuits and flour confectionery 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

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## PA419 BREAD, BISCUITS AND FLOUR CONFECTIONERY

The information in this report relates to businesses classified to the Bread, biscuits and flour confectionery industry, Group 419 in the Standard Industrial Classification Revised 1980. The Industry Group covers the following Activity Headings:-

## 4196 Bread and flour confectionery

The baking of bread and flour confectionery by plant and master bakers. Bakehouses run in conjunction with retail shops are included here when they can supply separate information or when baking is the main activity of the combined unit.

4197 Biscuits and crispbread

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.

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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 LINIT

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.

#### THE REGISTER

7. A register of businesses throughout the United Kingdom is held on the BSO computer and provides the basis for BSO inquiries. For each business the register contains identification particulars and information 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 hebubye

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.

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."

9. The Census covers United Kingdom businesses engaged in industrial production, ie mining and guarrying, 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

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.

#### PERIODCOVERED

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

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 UN-DERTAKINGS

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 -

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.

#### 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.

## b. on NEWBUILDING WORK

24 This represents the value of new building and other constructional work such as the extension and reconstruction of old buildings, and the 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 guarrying 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 vouchers

#### 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.

### h 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.

#### NET OUTPUT

39. This is calculated by deducting from GROSS OUTPUT the cost of PURCHASES OF MATERIALS FOR USE IN PRODUCTION AND PACKAGING AND FUEL and PURCHASES OF GOODS FOR 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 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 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 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

STOCKS

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. Pavments 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

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.

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.

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 SALABLES

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.

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

neiles beierdize editis bebuier an mur	Unit	1985	1986	1987	1988	1989
	by the other dep	bakhones suiter		estations peansater	10-01001-10-000-00	Sector a set
nterprises	Number	3,952	3,955	4,016	4,066	4, 136
usinesses		4, 165	4, 161	4, 156	4, 196	4,264
ales of goods produced	£ million	3,302.6	3,562.2	3,882.7	4,200.0	4,458.7
York done and industrial services endered	aat deede for een Geneue relluma	0.2	(b)	1.2	1.2	0.9
apital goods produced for use within e business	olian and The selection of the	1.3	1.1	2.2	1.9	4.3
on-industrial services rendered	in the year of the	3.8	4.6(b)	6.9	6.6	7.5
oods merchanted or factored	nublette bria alo	352.4	358.7	413.2	407.7	479.1
Total sales and work done	a nei parete moor	3,660.2	3,926.7	4,306.2	4,617.4	4,950.5
crease during the year, work in rogress and goods on hand for sale	niumed goods duly if the good	1.1	-3.9	4.5	and the second second	16.8
Gross output	rect Widensite	3,661.3	3,922.8	4,310.7	4,617.5	4,967.3
urchases of materials for use in pro- uction, packaging and fuel	ion et pombaça generative de sono entrop	1, 703.1(c)	1,840.6(c)	2,000.7(c)	2,099.7(c)	2,129.3(c)
urchases of goods for merchanting or actoring		276.8	277.7	323.1	339.2	361.5
ncrease during the year, stocks of naterials, stores and fuel	olov oli diveo valing ol <sup>e</sup> actor	-3.4	8.6	5.2	12.3	8.3
ost of industrial services aceived	an to nated a nat	51.9	67.4	67.9	68.7	75.2
Net output	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1,626.1	1,745.6	1,924.2	2,122.3	2,409.6
otal employment	Thousand	143.6	143.2	147.5	150.6	156.7
Net output per head	£	11,328	12,194	13,043	14,088	15,376
ost of non-industrial services eceived						
Hire of vehicles, plant and machinery	£ million	20.8	24.8	23.1	26.0	24.4
Rents of industrial and commercial buildings	Intellion on	21.5	24.6	28.4	34.0	40.4
Commercial insurance premiums	eus nu motomh	10.5	13.0	15.8	17.9	21.0
Bank charges		3.4	3.3	3.9	4.0	4.8
Other non-industrial services	and a second second	154.8	171.4	204.3	217.5	232.0(d
icensing of motor vehicles	neo no hesting	3.6	3.8	3.7	3.6	3.7
ates, excluding water rates	magnitizations	29.7	32.9	36.5	40.6	45.3
Gross value added at factor cost	u de la contra de la La contra de la contra	1,381.8	1,471.8	1,608.5	1,778.6	2,038.0
Gross value added at factor cost per head	c	9,626	10,281	10,903	11,807	13,005

(a) Satisfactory returns accounted for 72 per cent of the employment within the industry in 1989.

(b) Work done and industrial services rendered included in non-industrial services rendered.

(c) Purchases are shown net of special levies, subsidies and allowances.

(d) Includes the cost of transport of goods by road (within the UK) of £44.5 million and postal and telecommunication costs of £11.6 million. These were collected separately for 1989 but not for the other years shown in the table.

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# TABLE 2

Capital expenditure, 1985-1989 (a) All United Kingdom businesses classified to the industry

a anti salas samet			1985	1986
Land and build	lings			
New building	work		17.7	15.4
Land and exis	sting building	gs		
Acquisitions	10001010		13.7	13.1
Disposals	Total ·		4.4	5.1
Net			27.0	23.5
Plant and mac	hinery			
Acquisitions			97.8	114.7
Disposals			5.2	4.7
Net			92.6	110.0
Vehicles				
Acquisitions			23.7	26.8
Disposals			6.6	7.3
Net			17.1	19.5
Total net ca	apital expen	diture	136.7	153.0

(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 £12.9 million for 1988 and £14.3 million for 1989.

TABLE 3				
Stocks and war	k in prograd	1095 1	000	

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	_
		In	crease during y	ear			
Materials, stores and fuel	-3.4	8.6	5.2	12.3	8.3	125.0	
Work in progress	11 925 . 79. 004,	0.2	-0.1	3631087F	0.6	4.8	
Goods on hand for sale	1.2	-4.1	4.6	thair 20 person	16.1	80.2	
Total	-2.2	4.7	9.6	12.4	25.1	210.0	
tive of size, owning to than and size	erprises, irrespec businesses in me	number of ent orise may own	adi zinazangan wina na hatular	won Apage of rew A municipalities of	oda adairqu oda ni aveo	rine to taugs en le exercente er	(d)

ed the total for the industry.

rance, pansions and weltars schemes and the tunning estimated for the industry at £137.6 million.

nired under finance leasing arrangments - see Table 2

1-199.

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Employment, lebour costs, output, net capital expenditure and work in progress by size of total employment, 1389

			£ million
1987	1988	1989	ugiotal stooks e
cost		(d) (d)	
10.0		00 A	
18.2	32.0	33.4	
13.3	24.3	19.8	
6.6	16.7	15.9	
24.9	39.6	37.3	
132.9	156.7	180.9	
3.5	7.3	12.5	
129.3	149.4	168.4	
32.7	43.8	126 126	
32.7	43.0	38.4	
8.2	9.0	8.7	
24.6	34.9	29.6	
178.9	223.9	235.4	
	18.19.0.3	24 1 1 1 14	

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	Busin-	Enter-	Employment	tagt		Wages and s	alaries (c)		
group	esses	prises (b)							
						1. 1.		130	1.264 Milling work
			Total including working proprietors	Opera- tives	Administr- ative,tech- nical and clerical	Operatives		Administrat technical ar clerical	
						Total	per head	Total	per head
	Number	Number	Thousand	Thousand	Thousand	£ million	£	£ million	£
1-9	3,022	3,021	12.8)						
10-19	541	541	7.7	32.7	3.3	195.8	5,986	36.2	11,090
20-49	323	322	10.7						
50-99	126	126	8.5)						
100-199	95	92	13.5	12.1	1.4	76.1	6,303	17.7	12,320
200-299	30	26	7.5	6.6	0.8	44.9	6,800	9.5	11,201
300-399	40	21	13.8	11.9	1.9	101.3	8,496	19.8	10,581
400-499	24	14	10.6	8.9	1.8	74.8	8,442	21.2	11, 992
500-749	30	16	18.0	16.0	2.1	128.1	8,024	22.0	10,666
750-999	11	8	9.2	8.2	1.0	63.3	7,744	12.7	12,319
1,000-1,499		6	12.0	11.2	0.9	59.2	5,304	12.3	14,236
1,500-2,499		4	12.6	12.0	0.6	63.3	5,277	7.1	11,427
2,500-Plus	5	5	19.8	15.2	4.5	118.9	7,810	57.4	12,624

otal 4,264 4,136	156.7	134.7	18.3	925.7	6,873	215.9	11,789

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

(b) The count of enterprises shown in each row represents the number of enterprises, irrespective of size, owning the businesses shown in each size group. Because an enterprise may own businesses 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 £137.6 million.

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

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

Total sales	Gross	Net		Gross value		Net capital	Total stocks
and work done	output	output		added at factor cost		expenditure (d)	and work in progress at
							end of year
	. 8.0	Total	per head	Total	per head		
			lieau		neau		
£ million	£ million	£ million	- <u>f</u>	£ million	£	£ million	£ million
917.3	917.9	467.7	11,788	(e)	(e)	45.7	26.9
	2.3					1	Foliante
359.5	361.1	177.7	13, 144	542.2(e)	10, 192(e)	14.5	15.3
218.5	218.8	104.0	13,948	90.7	12,172	9.6	7.3
520.3	521.5	212.1	15,366	186.0	13,474	18.3	17.1
480.5	482.2	212.6	20,006	191.0	17,974	21.4	23.2
677.3	679.7	286.4	15,892	245.4	13,613	23.0	22.0
304.1	307.2	138.0	14,996	112.3	12,206	17.1	20.3
300.6	301.5	158.9	13,206	134.0	11, 138	11.2	15.2
229.3	231.0	128.6	10,204	111.8	8,868	6.0	7.9
943.0	946.5	523.6	26,477	424.6	21,472	68.7	54.9
							territe source and the second
4,950.5	4,967.3	2,409.6	15,376	2,038.0	13,005	235.4	210.0
conficts Was a	btained by ag	progetting ostin realed similarly	natas of net ou	tout for addresses to	caled in that	region. Gross va	Angruo ezolg 10 001 Iue Salatite beb sing

otal sales	Gross	Net		Gross value		Net capital	Total stocks
ind work lone	output	output		added at factor cost		expenditure (d)	and work in progress at
							end of year
			United	million of timiled	million		
		Total	per head	Total	per head		
million	£ million	£ million	- <u>f</u>	£ million	£	£ million	£ million
917.3	917.9	467.7	11, 788	(e)	(e)	45.7	26.9
359.5	361.1	177.7	13, 144	542.2(e)	10, 192(e)		15.3
218.5	218.8	104.0	13, 948	90.7	12, 172	9.6	7.3
520.3	521.5	212.1	15,366	186.0	13, 474	18.3	17.1
480.5	482.2	212.6	20,006	191.0	17,974	21.4	23.2
677.3	679.7	286.4	15,892	245.4	13,613	23.0	22.0
304.1	307.2	138.0	14,996	112.3	12,206	17.1	20.3
300.6	301.5	158.9	13,206	134.0	11, 138	11.2	15.2
229.3	231.0	128.6	10,204	111.8	8,868	6.0	7.9
943.0	946.5	523.6	26,477	424.6	21,472	68.7	54.9
4,950.5	4,967.3	2,409.6	15,376	2,038.0	13,005	235.4	210.0

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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	entage of total r ived	eturns		ntage of total	
1000	10,2021 <del>10,000</del> 7		the population of the populati		Cardina succession	109200	<del>draw lan</del> g
April 6-30			5.4			2.8	
May			3.6			1.4	
June			3.8			1.7	
July			4.3			3.8	
August September			2.7 14.1			0.8 19.6	
October			5.1			1.7	
November			2.0			0.4	
December			19.9			21.1	
1990 January			4.0			3.9	
February			3.1			2.3	
1 March - 5 April			32.0			40.5	ED SEED
and the second s	81 94	12.474	18.081	1. 380.1	945.31.212 (10.200	a.wsz1.5	1820,63
A LE Zander							
TABLE 6							
Operating ratios, 1985-1989							
All United Kingdom busines	ses class	ified to the in					

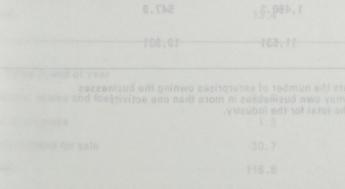
	Unit	1985	1986	1987	1988	1989
Gross output per head	£	25,506	27,402	29,219	30,651	31,696
Net output per head	£	11,328	12,194	13,043	14,088	15,376
Gross value added per head	£	9,626	10,281	10,903	11,807	13,005
Gross value added as a percentage of gross output	%	38	38	37	39	41
Ratio of gross output to stocks		26.4	25.8	24.9	25.3	23.7
Wages and salaries as a percentage of gross value added	%	60	60	59	58	56
Ratio of operatives to administrative, echnical and clerical employees		7.1	7.5	7.6	7.9	7.4
Vages and salaries per operative	£	5,580	5,972	6,217	6,520	6,873
Nages and salaries per administrative, echnical and clerical employee	£	8,124	8,961	9,090	10,522	11,789
Net capital expenditure per head (a)	£	952	1,069	1,212	1,486	1,502
Net capital expenditure as a percentage of gross value added (a)	%	10	10	11	13	12

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

# TABLE 7

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

Area		Total employm (a)	nent 180 A	Net cap expendi (b)		Net out (c)	put	Gross v added a factor c (c)	talzezizatat
Americal and existing buildings	93.0	Thousand	d per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	per cent of United Kingdom	£	per cent of United Kingdom
Standard regions of England	3.6		18:8		0,2		or use within		pital goods ; e business
North		13.1	8.4	16.6	7.1	210.4	8.7	177.7	lainter ani-m
the resident achievery			416.0	10.0	7.1	210.4			ods mercha
Yorkshire and Humberside		17.1	10.9	34.7	14.7	257.1	10.7	212.6	10.4
East Midlands		9.3	5.9	10.1	4.3	184.2	7.6	157.2	7.7
East Anglia		2.8	1.8	3.6	1.5	39.2	1.6	35.1	1.7
South East		33.3	21.3	39.8	16.9	533.7	22.1	450.3	22.1
South West		10.5	6.7	11.3	4.8	157.5	6.5		6.8
West Midlands		12.1	7.7	13.2	5.6	169.2	7.0	142.1	7.0
North West		27.6	17.6	70.5	29.9	439.6	18.2	372.7	18.3
England	Ruffs	125.8	80.3	199.8	84.9	1,990.8	82.6	1,687.3	82.8
Wales		*	*	*	¥	*	¥	*	bevie:
Scotland	88,80 N AAAAA 2,7,5	18.7	11.9	20.2	8.6	256.1	10.6	209.2	10.3
Great Britain	696,	• 23	3,548 *	*	*	*	×	baad.re	d sugar o
Northern Ireland		*	*	*	×	*	*seolva	og leitigu	st of non-ind beived
	1389		neh Arshim Ma	added and	thin the lage	antry .	<u>.</u>	well is a	inter lo off



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

	and the second s	Unit	4196		4197		
		lai			73		
interprises(a)		Number	4,067		(6)		
Businesses		<b>n</b> <sup>2</sup> · <sup>6</sup>	4, 182		82		
Sales of goods produced		£ million	3,265.7		1,193.0		
Nork done and industrial services			0.0		_		
endered		Kingdom	0.9				
Capital goods produced for use wit the business	hin	•	0.8		3.5		
Non-industrial services rendered		п.	7.1		0.4		
Goods merchanted or factored		н	416.0		63.1		
Total sales and work done		n (1.54	3,690.5		1,260.0		
Increase during the year, work in progress and goods on hand for sa			8.9		7.9		
T.1 1.86 0.1		н	3,699.4		1,267.9		
Gross output	533.7 2						
Purchases of materials for use in p duction, packaging and fuel	-010- 8.1521	"	1,575.0		554.3		
Purchases of goods for merchantin	ng or	813	318.2		43.4		
factoring	439.8	0.05			270.6		
Increase during the year, stocks o materials, stores and fuel	f		4.5		3.8		
Cost of industrial services received		н	60.0		15.2		
		u	1,750.8		658.8		
Net output		Thousand	129.2		27.5		
Total employment		£	13,548		23,969		
Net output per none		nous <b>t</b> ry t					
Cost of non-industrial services received							
Hire of vehicles, plant and		£ million	20.9	)	3.4		
	409.6 100						
Rents of industrial and commer buildings	cial	u [ ] ]	37.5	5	2.9		
Commercial insurance premiun	nshow bee as	hie engloye	17.2	2	3.8		
		ng buildings,	4.4		0.4		
Other non-industrial services		asing arrang		1	92.8		
		la etimitee a	3.3	3	0.5		
Licensing of motor vehicles		ate to emplo esses <mark> </mark> ocate	38.		7.1		
Rates, excluding water rates		п	1,490.		547.9	5.8	
Gross value added at factor c			1,430.				
Gross value added at factor c	August and a second				19,931		

(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.

# TABLE 9

## Capital expenditure, 1989 (a) All United Kingdom businesses classified to each Activity Heading within the industry

		4196
Land and buildings		
New building work		20.0
Land and existing build	ings	
Acquisitions		19.0
Disposals		15.7
Net		23.3
Plant and machinery		
Acquisitions		¥.31.7
Disposals		*
Net		98.9
Vehicles		
Acquisitions		33.9
Disposals		7.2
Net		26.7
		1, 153
Total net capital exp	enditure	149.0

(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

Total

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

	4196	
10a Increase during year		
Materials, stores and fuel	4.5	
Work in progress	0.3	
Goods on hand for sale	8.6	
Total	13.4	

# 10b Value at end of year Materials, stores and fuel Work in progress Goods on hand for sale

84.9

1.3

30.7

116.9

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£ million

4197	
13.4	
0.7	
0.2	
14.0	
×	
*	
69.5	
4.4	
1.5	
2.9 <b>86.4</b>	

(a) From 1988 contributors were asked to include as capital ax acquired under finance leasing arrangements - see Table 2.

	£ million
4197	
3.8	
0.3	
7.5	
11.7	

40.1						
3.5						
49.5						
93.1						

# Operating ratios, 1989

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

a tata a secolar	Number	4 162	25	Land and buildings
	Unit	4196	4197	
pross output per head	f	28,626	46, 125	
let output per head	v.o <sub>f</sub>	13, 548	23,969	
pross value added per head	50 <sub>f</sub>	11,531	19,931	
Gross value added as a percentage of gross output	%	40	43	
atio of gross output to stocks		31.7	13.6	
Vages and salaries as a percentage of pross value added	%	62	41	
latio of operatives to administrative, echnical and clerical employees		7.8	5.7	
Vages and salaries per operative	£	6,839	7,034	
Nages and salaries per administrative, echnical and clerical employee	£	10,888	14,938	
Net capital expenditure per head (a)	£	1, 153	3, 144	
Net capital expenditure as a percentage of gross value added (a)	%	10	16	
Think multipate	to suite entre ou	ibneada Tédada ya ebula	ni or bester draw 21	a) From 1988 contributo

(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

(a) The open of an enterprises shown in each constraint represents the number of enterprises provided the head (a) Waterials, stores and fuely number and not a second the open and the solution of a number of an open of a solution of a solution of the so



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