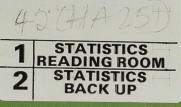
**CENTRAL STATISTICAL OFFICE** 



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# Business MonitorPA3271991Machinery for printing, paper, weight

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

A publication of the Government Statistical Service

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# PA327



# A publication of the Government Statistical Service

# **Report on the Census of Production** 1991

# Machinery for printing, paper, wood, leather, rubber, glass and related industries; laundry and dry cleaning machinery

(10 & 11 Geo.6 Cha.39 sec 7)

Presented by the Chancellor of the Exchequer to Parliament in pursuance of the Statistics of Trade Act 1947

**CENTRAL STATISTICAL OFFICE** 

- London: HMSO

# **BUSINESS MONITOR**

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PA327 MACHINERY FOR THE PRINTING, PAPER, WOOD, LEATHER, RUBBER, GLASS AND RELATED INDUSTRIES; LAUNDRY AND DRY CLEANING MACHINERY

The information in this report relates to businesses classified to the Machinery for the printing, paper, wood, leather, rubber, glass and related Ine industries; laundry and dry cleaning machinery industry, Group 327 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity Heading:-

- 3275 Machinery for working wood, rubber, plastics, leather and making paper, glass, bricks and similar materials; laundry and dry cleaning machinery
  - 1. Woodworking machinery

Manufacture of machines for pressing, shaping and sawing wood. Machines for working plywood, chipboard and veneer are included. Portable power tools are classified to Group 328.

2. Rubber and plastics working machinery

Manufacture of machines for mixing, rolling, extruding, pressing and moulding of rubber and plastics. Calenders are included. 3. Leatherworking and footwear making and repairing machinery

Manufacture of machines for tanning and working leather and for boot and shoe making and repairing. Sewing machines are classified to Group 328.

4. Paper making machinery

Manufacture of machines for preparing paper and board stock and for making paper and board. 5. Glass and brick making and similar machinery

Manufacture of machines for making and working glass, bricks, tiles, concrete blocks, pottery and other ceramics. Electric lamp making machines are included. Manufacture of moulds and of furnaces and kilns is excluded and classified to Groups 322 and 324 respectively.

6. Laundry and dry cleaning machinery

Manufacture of washing, drying, ironing, folding and dry cleaning machines, including coin operated machines. Domestic electrical laundering machines are classified to Group 346 and machines for textile finishing to Group 323.

3276 Printing, bookbinding and paper goods machinery

Manufacture of typesetting, plate and cylinder production machinery including metal and film typesetting and composing room equipment. Manufacture of printing machinery including sheet, reel or web-fed letterpress, gravure and flexographic printing machines and offset-litho machines but excluding textile printing machines which are classified to Group 323. Manufacture of bookbinding and paper working machinery including bookbinders' sewing machines, ruling machines and machines for making and working cardboard boxes, paper bags, envelopes and other paper goods.

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

These notes give basic information to help 1. 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).

Since 1980, Censuses have been conducted on 2. the Standard Industrial Classification Revised 1980 SIC(80). The Standard Industrial Classification exists to promote uniformity and comparability in the official statistics of the United Kingdom. The SIC(80) is the result of an attempt to align the United Kingdom classification with the General Industrial Classification of Economic Activities within the European Communities (NACE). It is based on activity rather than commodities produced. A full description of SIC(80) is given in Standard Industrial Classification Revised 1980, obtainable from HMSO, price £4.25.

#### REPORTING UNIT

From the earliest censuses of production 3. 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.

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

A register of businesses throughout the United Kingdom is held on the CSO computer and provides the basis for CSO inquiries. For each business the register contains identification particulars and information about its eligibility for inclusion in an inquiry, its relationship with other businesses in common ownership, its industrial classification, the nationality of its parent and location indicators for regional analyses. Regional and size analyses of manufacturing units are

published in Business Monitor PA1003 - Size analyses of United Kingdom businesses.

The Annual Census and other CSO inquiries 8. 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

The Census covers United Kingdom businesses 9. 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.

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

#### PERIOD COVERED

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

#### ESTIMATION

4

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.

The accuracy of the totals produced by adding 14. 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.

Additionally, the extent to which individual 15. 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

Sub-section 9(5)(b) of the Statistics of Trade Act 1947 states that:

'The following provisions shall have effect with respect to any report, summary or other communication to the public of information obtained under the foregoing provisions of this Act -

in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, however, that before disclosing any such total the competent authority shall have regard to any representations made to them 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 1991

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

#### SYMBOLS USED

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

21. 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 nondeductible VAT but exclude deductible VAT. No allowance is made for depreciation, amortisation or obsolescence.

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.

24. fees.

This represents the value of new and secondhand 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.

26. the returns.

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

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

#### a. on LAND AND EXISTING BUILDINGS

#### on NEW BUILDING WORK

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

#### c. on PLANT AND MACHINERY, VEHICLES

#### CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS.

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

This includes amounts payable to other 27. 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 knowledge. Interest payments and amounts payable for sea and air freight on goods exported and on materials and fuel imported are excluded.

EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC

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

#### EMPLOYMENT

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.

ADMINISTRATIVE, TECHNICAL AND a. 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.

OPERATIVES

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

WORKING PROPRIETORS

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

#### ENTERPRISE

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

#### GROSS OUTPUT

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

#### GROSS VALUE ADDED AT FACTOR COST

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

GROSS VALUE ADDED AT FACTOR COST PER HEAD

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

#### NET CAPITAL EXPENDITURE

38 This is calculated by adding to the value of NEW BUILDING WORK acquisitions less disposals of LAND AND EXISTING BUILDINGS, VEHICLES and PLANT AND MACHINERY.

#### NET OUTPUT

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

#### NET OUTPUT PER HEAD

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

NON-INDUSTRIAL SERVICES RENDERED

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

#### OPERATING RATIOS

These ratios are calculated using industry totals, 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 ncluded 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

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

purchaser.

STOCKS

46. 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.

This includes amounts charged for work 48. 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.

49.

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

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

#### WORK DONE AND INDUSTRIAL SERVICES RENDERED

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

PA327 TABLE 2

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

y are sold in bond or exported.		0000	1000	C THE CONTRACTOR	Red Johnson Bernstein	Surger and an and a surger
	Unit	1987	1988	1989	1990	1991
Enterprise groups	Number	816	744	773	714	675
Businesses	н	910	837	869	734	696
Sales of goods produced	£ million	1, 073. 6	1, 236. 5	1, 455. 2	1, 386. 1	1, 291. 9
Work done and industrial services rendered		77. 7	69. 8	108. 4	64. 5	71. 1
Capital goods produced for use within the business	u	0.6	0. 5	0. 5	0. 6	1.2
Non-industrial services rendered		10. 7	10. 9	10. 2	7. 1	5.7
Goods merchanted or factored	u.	112.9	138. 4	156. 1	173. 5	116.8
Total sales and work done		1, 275. 5	1, 456. 0	1, 730. 5	1, 631. 8	1, 486. 6
Increase during the year, work in progress and goods on hand for sale	n	12. 8	11. 4	14.6	3. 5	-23.5
Gross output		1, 288. 4	1, 467. 4	1, 745. 0	1, 635. 3	1, 463. 1
Purchases of materials for use in pro- duction, packaging and fuel	The second second	521.4	640. 9	742. 2	715. 7	637. 3
Purchases of goods for merchanting or factoring	ata, motros	81. 7	106. 4	118. 9	138. 4	94. 3
Increase during the year, stocks of materials, stores and fuel	1912 - 1915 - 1985 -	8. 8	13. 5	-1.6	-6.4	1.5
Cost of industrial services received	10041 (1944) 3140 "	38. 6	48. 0	62. 2	36. 8	28.4
Net output	Carl Providence 1	655. 4	685. 6	820. 2	738.0	704.6
Fotal employment	Thousand	29. 2	29. 3	30. 1	28. 1	23.9
Net output per head	f an fair	22, 484	23, 368	27, 284	26, 288	29, 448
Cost of non-industrial services eceived					and any and and a second s	.encastrater lei betailtri ans -anteder
Hire of vehicles, plant and machinery	£ million	10. 5	11. 7	13. 1	14. 5	14. 8
Rents of industrial and commercial buildings	e okábství tsteg, t‼ock	6. 9	6. 4	11. 5	11. 0	13.8
Commercial insurance premiums	u and a second second	8. 7	9. 6	12.6	11. 4	8.6
Bank charges		1.8	1.8	2. 1		2.0
Other non-industrial services		94. 3	101. 7	129. 8	110.3	107.2
icensing of motor vehicles		0.4	0.4	0.4	0. 4	0.3
ates, excluding water rates	н	11. 2	11.7	12.5	12. 7	12.6
Gross value added at factor cost	u	521.6	542. 2	638. 1	575. 5	545.4
Gross value added at factor cost per head	£	17, 892	18, 481	21, 226	20, 501	22, 792

(a) Satisfactory returns accounted for 69 per cent of employment within the industry in 1991.

8

Total net capital expenditure	42. 3	46. 9	54. 7	44. 0	29. 0	
14, 270 10. 7 Isl	3. 9	4.5	5. 7	4. 2	1.8	
Disposals	2. 7	2.4	2.5	2.0	1.4	
Acquisitions	6.6	6.9	8. 2	6. 2	3. 2	
ehicles						
Net 9 28 8 8 8 8 8	34. 5	32.2	37.5	31.8	25. 4	
Disposals	2.3	3. 2	3. 2	3. 2	2.4	
Acquisitions	36.8	35. 4	40. 7	34. 9	27. 8	
ant and machinery						
Net	3. 9	10. 2	11.6	8. 1	1.8	
Disposals	2.6	0. 1	4.0	4. 7	2.4	
Acquisitions	1.5	7.4	6. 7	4.0	0.6	
Land and existing buildings						
New building work	5. 1	2.9	8. 9	8.8	3.6	
and and buildings						
		1988	1989	1990	1991	and work work
and the second part of the		Contract of the		and the second sec		

(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 £1.6 million for 1991.

#### TABLE 3

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

						£ million
	1987	1988	1989	1990	1991	Value at end of 1991
1,483.1 704.6			Increase duri	ng year		
Materials, stores and fuel	8.8	13. 5	-1.6	-6. 4	1.5	84. 3
Work in progress	3. 3	2.6	12. 2	-12.6	-16.0	123. 9
Goods on hand for sale	9.6	8.9	2.3	16. 2	-7.5	81.4
Total asia to evide general aquone earn ano nedi enomini assessimilari enomini enomini enomini enomini enomini enomini enomini enomini enomini enomini enomini enomini	21. 7	25. 0	13. 0	-2. 8	-22. 0	289. 6

PA327
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Size

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

Busin- Enterprise

All United Kingdom businesses classified to the industry (a)

Employment

group	esses	groups (b)	Employmen			wages and	Salaries (C	714	
			Total	Opera-	Administr-	Operatives	7 5	Administ	rative.
			including working	tives	ative,tech- nical and	108.		technical clerical	and
			proprietors		clerical	1.6		=	IDITI SIGOSA
						Total	per head	Total	per head
									noug
	Number	Number	Thousand	Thousand	Thousand	£ million	£	£ million	£
1-9	358	358	1. 2)						
10-19	132	131	) 2.0)						
20-49	115	114	) 3. 4)	6. 4	3. 7	87.5	13, 576	62.9	17, 143
50-99	51	49	) 3.6)						
100-199	17	15	2.4	1.4	0.9	18.5	12, 880	14.6	16, 018
200-299	10	10	2.5	1.4	A.S. 1.1	20. 4	14, 290	18.4	16, 631
300-399	5	5	1.7	0.9	0. 7	13. 5	14, 270	10. 7	14, 904
400-749	3	3	1.6	1.0	0.6	15. 1	14, 618	9. 5	16, 161
750-Plus	5	4	5.5	2.7	2.8	47.9	17, 741	56.9	20, 463

Total 696 675 23.9 14.0 9.8 202.9 14, 505 173.1 17, 701

(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 enterprise groups shown in each row represents the number of enterprise groups, irrespective of size, owning the businesses shown in each size group. Because an enterprise group may own businesses in more than one size group, the sum of individual enterprise group counts may exceed the total for the industry.

(c) The cost of employers' contributions to the national insurance, pensions and welfare schemes and the running costs of canteens are excluded from the table but were estimated for the industry at £49.1 milion.

(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.

Total sales and work done	Gross output	Net output		Gross addec factor	
needers region		Total	per head	Total	Kingdom S'III
£ million	£ million	£ million	£	£ milli	on
versahire am					
HILLING SHOP					
554. 1	547.6	282. 1	27, 469	(6	;)
Dauth East					
119. 6	121.6	66. 9	28, 431	267.	6(e)
179. 1	171.5	70. 8	27, 867	47.	9
71. 2	68.0	36. 9	22, 134	28.	8
121. 4	120. 0	52. 7	32, 624	41.	0
441. 4	434. 5	195. 2	35, 612	160.	1
1601					
1, 486. <b>6</b>	1, 463. 1	704. 6	29, 448		
A A A A A A A A A A A A A A A A A A A		/04.0	29, 440	545.	4

Wages and salaries (c)

11

Net capital Total stocks expenditure (d) and work in progress at end of year per head £ £ million £ million (e) 9.5 101.4 21, 238(e) 1.8 23.9 18, 882 4.4 34.3 17, 286 1.3 31.5 25, 387 2.6 20.4 29, 200 9.4 78.0 22, 792 29.0 289.6

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

Accounting year ended		Per rec	centage of tota eived	l returns		Percentage of total employment	and sales
1991 April 6-30	noone (b)	a and a second	1. 0		Weges chutte	1. 6	and work
May			1.0			0. 2	
June			4. 1			2.5	
July			4. 1			4. 9	
August			3. 1			1. 1	
September			11. 2			16. 0	
October			5. 1			11. 1	
November			2.0			0.6	
December			48.0			51.8	
1992 January February			3. 1 2. 0			2.0 0.5	
1 March - 5 Ap	ril		15. 3			7.6	
	1. 1	\$88.8†	47.9	27, 867	70.8	12.880 171.5 171.5	178.3

TABLE 6

Operating ratios, 1987-1991

All United Kingdom businesses classified to the industry

	Unit	1987	1988	1989	1990	1991
ross output per head	£	44, 194	50, 019	58, 051	58, 250	61, 147
et output per head	£	22, 484	23, 368	27, 284	26, 288	29, 448
ross value added per head	£	17, 892	18, 481	21, 226	20, 501	22, 792
ross value added as a percentage of ross output	%	41	37	37	35	37
atio of gross output to stocks		4.9	5.0	5.4	5.4	5. 1
lages and salaries as a percentage of ross value added	%	60	62	61	69	69
atio of operatives to administrative, schnical and clerical employees		1.4	1.4	1.4	1. 3	1.4
ages and salaries per operative	£	9, 969	10, 583	11, 886	13, 068	14, 505
lages and salaries per administrative, chnical and clerical employee	£	12, 176	12, 806	14, 887	15, 479	17, 701
et capital expenditure per head (a)	£	1, 451	1,600	1, 820	1, 568	1, 212
et capital expenditure as a percentage f gross value added (a)	%	8	9	9	8	5

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

#### PA327 TABLE 7

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

Area	267 262	Total employm (a)	nent	Net cap expend (b)	ital iture	Net outp (c)	ut	added a factor c	Gross value added at factor cost (c)	
l par entra acterina but	728. 2 (2271b) 44. 7	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 En	gland						weev for be		Ringdon	
North		0.5	2.2	0.8	2.6	21.0	3. 0	17.8	3. 3	
Yorkshire and Humberside		3.4	14. 2	5. 7	19. 7	110. 3		88. 3		
East Midlands		2. 7	11. 2	2.8	9.6	67.4	9.6	49.4	9. 1	
East Anglia		1.6	6.9	2.4	8.4	44. 5	6. 3	33. 7	6. 2	
South East		5.8	24. 2	6.6	22. 9	186. 0	26.4	137.5	25. 2	
South West		1.8	7.5	1.6	5.6	44. 2	6.3	33. 3	6.1	
West Midlands		2. 0	8. 1	0.5	1. 8	47.5	6. 7		6.6	
North West	6.13	5. 1	21. 4	7. 2	24. 8	157. 7	22. 4	130.6	23. 9	
ingland		22. 9	95. 7	27. 7	95. 4	678. 7	96. 3	526.8	96.6	
Vales		0.6	2.5	0.8	2.7	15. 3	2.2	10.8	2.0	
cotland	e sage a stor el sonani tol 12.3	0.3	1. 4	0. 3	1. 2	8. 9	1.3	6. 5	1. 2	
ireat Britain		23. 9	99. 7	28.8	99. 3	703. 0	99. 8	544. 1	99.8	
lorthern Ireland		0. 1	0.3	0. 2	0. 7	1.6	0. 2	si de 1. 2	0. 2	
Jnited Kingdom	nesses class C.8	23. 9	100. 0	29. 0	100. 0	704. 6	100. 0	545. 4	100. 0	
(a) Average number e	mployed duri	ng the yea	r, including fu	Ill and part	-time emplo	yees and wo	orking propri	etors.	Burbing	
(b) New building work machinery. The va	plus acquisit	ions less d	isposals of la	nd and exi	sting building	ne vehicles	and plant ar	d		
(c) Where a census re each address was region was obtaine added at factor cos	turn covered made by assu	addresses iming that ting estim	in two or mo net output wa	re regions,	an estimate	of the net o	output attribu n estimate fo egion. Gross	itable to		

leandregh-	267 262	Total employm (a)	nent	Net cap expend (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
regions of Eng	hand		Ringdom		Kingdom		Kingdom		Kingdon
	0.1	0. 5	2. 2	0.0	2.0	01.0		nivia 2 Ush	
		0. 5	2.2	0.8	2.6	21.0	3.0	17.8	3. 3
hire and erside		3. 4	14. 2	5. 7	19. 7	110.3		88.3	
Aidlands		2. 7	11. 2	2.8	9.6	67.4	9.6	49.4	
Anglia		1.6	6.9	2.4	8.4	44.5	6.3	33. 7	6.2
East		5.8	24. 2	6.6	22. 9	186. 0	26. 4		25. 2
West		1.8	7.5	1.6	5.6	44. 2	6.3	of materia	6. 1
Midlands		2.0	8. 1	0.5	1.8		6. 7		6. 6
West		5. 1	21. 4	7. 2	24. 8	157. 7	22.4	130. 6	23.9
	and all -		0.4				0 22. 4 1991	130. 0	23.9
		22.9	95. 7	27. 7	95.4	678.7	96. 3	526.8	96.6
		0.6	2.5	0.8	2. 7	15.3	2.2	10.8	2.0
		0.3	1.4	0.3	1. 2	8. 9	1.3	6. 5	1.2
ain	12,3	22.0	00.7					moniyoi	<del>ama tata</del>
Ireland		23.9	99. 7	28.8	99. 3	703.0		544. 1	
reland		0. 1	0. 3	0. 2	0. 7	1.6	0. 2	1.2	0.2
ngdom	nesses class 6.0	23. 9	100. 0	29. 0	100. 0	704. 6	100. 0	545. 4	100. 0
age number er building work hinery. The val	plus acquisit	ions less d	isposals of la	nd and exi	sting huilding	ne vehicles	and plant a	nd	Rente <sup>7</sup> Bulleng Commer Bank bhu
re a census ret address was r on was obtaine d at factor cos	turn covered made by assu d by aggrega	addresses uming that iting estim	in two or mo net output wa ates of net ou	re regions,	an estimate	of the net o	output attribu n estimate fo region. Gross	utable to	

a walidanga	267 262	Total employn (a)	mployment		Net capital expenditure (b)		Net output (c)		Gross value added at factor cost (c)	
e de la contra de la La contra de la contr		Thousan	d per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	United	
d regions of Eng	gland				Kingdom		Kinguoin		Kingdon	
h	1.0	0. 5	2.2	0.8	2.6	21.0	3.0	17.0		
shire and		0. 0	2.2	0.0	2.0	21.0		17.8	3. 3	
berside		3.4	14. 2	5.7	19. 7	110.3	15. 7	88.3	16. 2	
Midlands		2.7	11. 2	2.8	9.6	67.4	9.6	49.4	9. 1	
Anglia		1.6	6. 9	2.4	8.4	44. 5	6. 3	33. 7	6. 2	
h East		5.8	24. 2	6.6	22. 9	186.0	26. 4	137.5	25. 2	
h West		1.8	7.5	1.6	5.6	44. 2	6. 3	33. 3	6. 1	
t Midlands		2.0	8. 1	0.5	1.8	47.5	6. 7	36.0	6.6	
h West		5. 1	21.4	7. 2	24. 8	157. 7	22. 4	130. 6	23.9	
	ondhule	22.9	95. 7	27.7	95. 4	678. 7	96. 3	526. 8	96.6	
		0.6	2.5	0.8	2. 7	15.3	2. 2	10.8	2.0	
anti reconstante orte beniconte e t		0.3	1.4	0.3	1. 2	8.9	1.3		1. 2	
itain	12, 3	22.0	00.7					1155771468	<del>iama lata</del>	
n Ireland		23.9	99. 7	28.8	99. 3	703.0	99.8	544. 1		
i nelano		0. 1	0.3	0. 2	0. 7	1.6	0. 2	1.2	0. 2	
lingdom	neases class g.g	23. 9	100. 0	29. 0	100. 0	704. 6	100. 0	545. 4		
erage number ei									Commenda	
w building work chinery. The val	lue also inclu	des assets	s acquired unc	nd and exi der finance	sting building leasing arra	gs, vehicles ngements -	and plant a see Table 2	and 2.		
ere a census ret h address was r on was obtaine ed at factor cos	made by assu d by aggrega	uming that	net output wa	as proporti	onate to emr	lovment A	n estimate region. Gros	for each		

PA327

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

		Unit		3275	3276	
Enterprise groups(a)		Number		421	257	
Businesses				434	262	
Sales of goods produced		£ million		563.6	728. 2	
Work done and industrial servic	es				44 7	
rendered				26. 4	44. 7	
Capital goods produced for use the business	within	0		1.0	0.2	
Non-industrial services rendered	d	п		4. 7	1.0	
Goods merchanted or factored				25.9	90. 9	
Total sales and work done		5.00		621.5	865. 1	
Increase during the year, work i	n 4.78			021.0	00011	
progress and goods on hand for	sale			-3.0	-20.5	
Gross output				618.5	844.6	
Purchases of materials for use in	n pro-					
duction, packaging and fuel		a"a		296.6	340.6	
Purchases of goods for merchan factoring	nting or	8. t		22. 5	71.9	
Increase during the year, stocks	of			21.4		
materials, stores and fuel	01			3. 0	-1.5	
Cost of industrial services						
received		2.7		13. 2	15. 2	
Net output		" 2		289. 3	415.4	
Total employment		Thousand	d	11.6	12.3	
Net output per head		£		24, 938	33, 692	
Cost of non-industrial services						
received						
Hire of vehicles, plant and machinery		£ million		4.9	9. 9	
Rents of industrial and comme						
buildings		н		3. 1	10.8	
Commercial insurance premiu	ms	oldician supp.).		4.6	4.0	
Bank charges		nibitudi godian		si to an nosit	0. 9	
Other non-industrial services				40.7	66. 5	
Licensing of motor vehicles		me os steaco		0. 1	0. 1	
Rates, excluding water rates		not researbo "		5. 9	6. 7	
Gross value added at factor co	ost			228. 9	316.5	
Gross value added at factor co				220.0	0.0.0	
per head	51	£		19, 732	25, 671	

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

PA327 TABLE 9

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

		3275	3276	
Land and buildings				
New building work		2.0	1.6	
Land and existing buil	dings			Gross subside the head
Acquisitions		800 .ss *	*	
Disposals		* 1923	*	
Net		1.0	0.8	
lant and machinery				
Acquisitions		10. 7	17.0	
Disposals		0.6	1.8	
Net		10. 1	15. 3	
ehicles				
Acquisitions		2.0	1. 2	
Disposals		0.8	0.6	
Vet		1. 2	0.6	
Total net capital expenditure		12. 3	16.7	
			10. 7	

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

## TABLE 10

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

	3275	3276
10a Increase during year		
Materials, stores and fuel	3. 0	-1.5
Work in progress	-5. 8	-10.2
Goods on hand for sale	2. 8	-10.3
Total	-	-22. 0
10b Value at end of year		
Materials, stores and fuel	28.6	55. 7
<sup>Work</sup> in progress	56.0	67.9
Goods on hand for sale	34. 5	46.9
Total	119. 1	170. 5

£ million

PA327

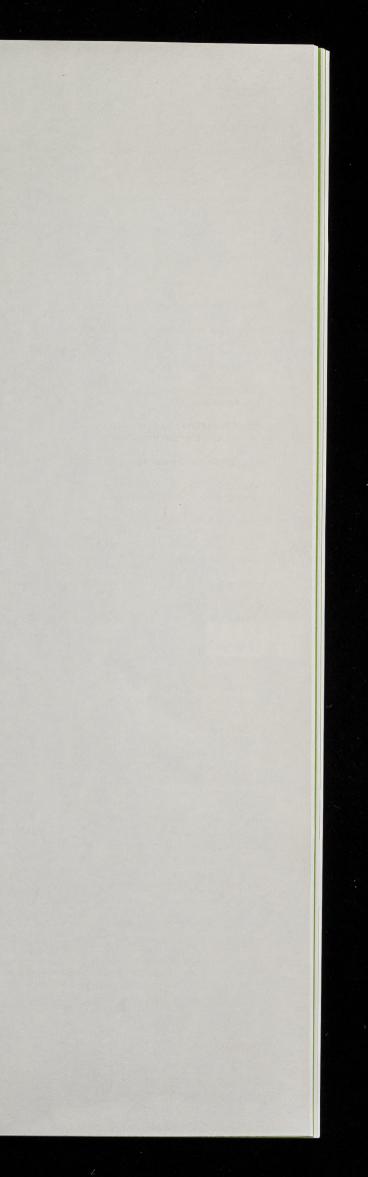
Operating ratios, 1991

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

	an - and a - an	821	257	
				spandhod bas and
	Unit	3275	3276	
Gross output per heed	f	53, 323	68, 509	
Net output per head	£	24, 938	33, 692	
Gross value added per head	£	19, 732	25, 671	
Gross value added as a percentage of		0.10.7	1.0	
gross output	%	37	38	
Ratio of gross output to stocks		5. 2	5.0	
Wages and salaries as a percentage of gross value added	%	73	66	
	/0	15	-20.000	
Ratio of operatives to administrative,				
technical and clerical employees		1.9	1. 1	
Wages and salaries per operative	£	13, 274	15, 912	
Wages and salaries per administrative,				
technical and clerical employee	£	16, 744	18, 373	
	0.6			
Net capital expenditure per head (a)	£	1, 061	1, 354	
Net capital expenditure as a percentage				
of gross value added (a)	%	5	5	

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

170.6 '





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