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siness Monitor

Report on the Census of Production

Specialised chemical products mainly for industrial and agricultural purposes

A publication of the Government Statistical Service

BUSINESS MONITORS

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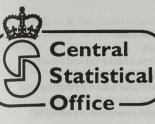
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PA256

BUSINESS MONITOR

A publication of the Government Statistical Service

Report on the 1992

mainly for industrial and agricultural purposes

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)

Census of Production

Specialised chemical products

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ration of milk and milk products ssing of fruit and vegetables , biscuits and flour confectionery 2567 and sugar by-products eam, cocoa, chocolate and sugar confectionery

I feeding stuffs

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PA256 SPECIALISED CHEMICAL PRODUCTS MAINLY FOR INDUSTRIAL AND AGRICULTURAL PURPOSES

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

2562 Formulated adhesives and sealants

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

2563 Chemical treatment of oils and fats

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

Essential oils and flavouring materials 2564

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

2565 Explosives

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

Miscellaneous chemical products for industrial use

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

Formulated pesticides 2568 Manufacture of formulated pesticides, sheep dips, weedkillers and other phytosanitary products.

2569 Adhesive film, cloth and foil

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

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page 4.

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EXPLANATORY NOTES AND DEFINITIONS INTRODUCTION

These notes give basic information to help with the interpretation of tables in this Industry Report. More general information about the Census is given in a separate Business Monitor - Report on the Census of Production, Introductory Notes (PA1001).

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.

In 1990, however, the first revision of NACE 3 was made by EC regulation. This regulation makes it necessary for the UK to introduce a new Standard Industrial Classification, SIC(92), based on NACE Rev 1. The regulation guarantees comparability between national and Community classifications and therefore between national and Community statistics. Full details of SIC(92) are given in 'Standard Industrial Classification 1992', obtainable from HMSO, price £17.50, reference ISBN 0 11 620551 2.

The first Census to be conducted on the basis of SIC(92) will be that for 1993. Business monitors published in respect of 1993 will contain data for that year only. However, a limited range of 1991 and 1992 data reworked to SIC(92) Section and Sub-Section level will be published as a supplement to the Census Summary Volume (PA1002).

REPORTING UNIT

From the earliest censuses of production 4. 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.

In 1987, for a number of administrative and 5. 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.

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 8. 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 9 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 10 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 excluded.

Under the sampling arrangements agreed for 11. the 1992 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 15,700 forms were despatched in the United Kingdom for the 1992 Census.

PERIOD COVERED

Businesses were asked to make returns for the 12. calendar year 1992 but, where this was not possible, returns for business years ending between 6 April 1992 and 5 April 1993 were accepted. Returns covering fewer than twelve months were accepted for businesses which had started or ceased trading during the year.

ESTIMATION

4

All published Census results include 13 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. Within employment size groups in each industry, the "average per head" is calculated for each census variable by dividing the total returned value for each variable by the total returned employment. This value is multiplied by the employment thought to exist in each non-responding or 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 15. 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 16. 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 particulars relating to any being 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."

18 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 1992

The 1992 census like that for 1991 was a slimline one. An additional question identifying those businesses with employees engaged in Research and Development work was included and the break down on capital and current costs associated with pollution prevention and solid waste management, introduced for the 1991 census, was retained. As part of the CSO's efforts to reduce the form filling burden on industry, the breakdown of questions on capital expenditure and stocks were excluded. Data for these variables in the 1992 results have been estimated from information collected in the CSO Quarterly Capital Expenditure and Stocks Inquiries.

26. 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.

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This represents the value charged to capital 23. 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.

on LAND AND EXISTING BUILDINGS a.

This represents the value of freeholds and 24 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.

SYMBOLS LISED

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

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 completed.

CAPITAL EXPENDITURE

ON NEW BUILDING WORK

This represents the value of new building and 25. 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.

ON PLANT AND MACHINERY, VEHICLES с.

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 the returns.

COST OF INDUSTRIAL SERVICES RECEIVED

This includes amounts payable to other 28. 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

Up to 1987 contributors were asked to include 29. 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

30. 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

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 а. CLERICAL EMPLOYEES

This includes directors who received a 32 definite wage, salary or commission, managers, foremen, draughtsmen, editorial and advertising staff, travellers, all office employees and research and design employees except operatives.

OPERATIVES

33. 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 canteens are included.

WORKING PROPRIETORS c.

34. 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

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

GROSS OUTPUT

This is calculated by adjusting the value of 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

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

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

NET CAPITAL EXPENDITURE

39. 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

40. 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

6

This is calculated by dividing NET OUTPUT by 41. total EMPLOYMENT.

NON-INDUSTRIAL SERVICES RENDERED

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

OPERATING RATIOS

These ratios are calculated using industry 43. 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

These include the cost of raw materials, 44. components, semi-manufactured goods and workshop materials, replacement parts and consumable tools not charged to capital account, packaging materials of all types, stationery and printed matter, fuel, electricity and water, materials of all types used by the business or given out to others, for the production of machinery or other capital items used in the business, and materials used when working on goods supplied by customers. The figures exclude VAT. purchases of machinery and plant, which are included in CAPITAL EXPENDITURE, and amounts payable to transport firms or credited to the business's own transport departments for delivery of materials. The figures are net of the value of goods or packaging materials returned to suppliers and trade discounts receivable. Materials purchased duty-paid are included at their duty-paid value less drawbacks, rebates etc. Imported goods are included at their full delivered cost. If the transport from docks or airport of imported goods is not included in the cost of goods purchased, the cost is entered at cif plus duty, if applicable. Transfers of goods from other departments of the business not covered by the return are included at the estimated selling value recorded by the other departments.

REMUNERATION PAID TO OUTWORKERS

45. 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

46. 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 valued 'ex-works' or 'delivered' less VAT, trade discounts, agents' commissions etc and allowances on returned goods. Where products attract Excise duty, the value includes duty if the goods are sold 'duty-paid', but excludes it if they are sold in bond or exported. The cost of packaging materials less allowances for returnable containers is included. Sales of fixed assets and exceptional receipts are excluded. Transfers of goods produced by a business to departments not covered by the return (including other businesses in the same enterprise group) are treated as sales, valued as if sold to an independent purchaser.

STOCKS

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

49.

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.

50.

abroad. Values include any duty payable but exclude VAT

WAGES AND SALARTES

48. This represents amounts paid during the year to ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES and to OPERATIVES. All overtime payments, bonuses, commissions, holiday pay and redundancy payments, less any amounts reimbursed for this purpose from government sources, are included. No deduction is made for income tax or employees' national insurance contributions etc. Payments to WORKING PROPRIETORS, payments in kind, travelling expenses, lodging allowances etc and EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC are excluded.

WORK DONE AND INDUSTRIAL SERVICES RENDERED

WORK IN PROGRESS

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

Output and costs, 1988-1992 All United Kingdom businesses classified to the industry (a)

	Unit	1988	1989	1990	1991	1992
	sk <u>rann</u> staff		a <u>daritikan</u> i	nin <u>nen ende er</u> ski	non <mark>os de la secono</mark> s de la seconos de la se	A PERSONAL PROPERTY
Enterprise groups	Number	860	853	795	745	819
Businesses		937	930	859	818	884
ales of goods produced	£ million	3, 545. 7	3, 868. 7	4, 107. 1	4, 265. 0	4, 654. 5
Nork done and industrial services rendered	200 11	58. 8	58. 2	62. 3	67. 7	94. 0
Capital goods produced for use within he business		11. 1	8. 4	9. 9	14. 4	18.4
Non-industrial services rendered	"	127. 5	136. 0	155. 4	178.3	207. 2
Goods merchanted or factored		1, 014. 4	1, 140. 1	1, 142. 2	1, 207. 4	1, 217. 5
Total sales and work done	н	4, 757. 6	5, 211. 3	5, 477. 0	5, 732. 8	6, 191. 6
ncrease during the year, work in progress and goods on hand for sale	"	55. 4	83. 8	8. 5	-41.0	18. 2
Gross output		4, 812. 9	5, 295. 1	5, 485. 5	5, 691. 8	6, 209. 8
Purchases of materials for use in pro- duction, packaging and fuel		1, 818. 9	1, 973. 5	2, 081. 7	2, 099. 2	2, 318. 6
Purchases of goods for merchanting or actoring	n	690. 5	776. 0	793. 5	824. 6	786. 9
ncrease during the year, stocks of naterials, stores and fuel		35. 7	13. 1	2. 5	-2. 7	8.0
cost of industrial services received	1	97. 2	103. 4	113. 6	117. 2	126. 8
xcise payments etc.(net)	1	13. 1	11.0	11.7	9. 6	8.8
Net output		2, 229. 0	2, 444. 3	2, 487. 5	2, 638. 5	2, 976. 7
Total employment	Thousand	47.4	48.3	47.0	48. 5	48.0
Net output per head	£	47, 041	50, 648	52, 941	54, 361	62, 019
Cost of non-industrial services received						
Hire of vehicles, plant and machinery	£ million	24. 4	27. 0	29. 6	32. 8	35. 5
Rents of industrial and commercial buildings	н	14. 6	16. 5	18.4	22. 9	25. 0
Commercial insurance premiums		24.8	25. 1	25. 3	29. 5	35. 0
Bank charges	н	2.6	2. 9	3. 7	4.0	4. 6
Other non-industrial services		263. 0	321. 9	361.5	420. 8	481.5
icensing of motor vehicles		2.4	2.4	2.8	2. 7	3. 0
Rates, excluding water rates		31.8	31.3	32. 3	35. 6	36. 5
Gross value added at factor cost		1, 865. 3	2, 017. 2	2, 014. 1	2, 090. 2	2, 355. 6
Gross value added at factor cost per head	£	39, 366	41, 797	42, 864	43, 064	49, 080

8

(a) Satisfactory returns accounted for 85 per cent of employment within the industry in 1992.

the second secon

TABLE 2

PA256

Capital expenditure, 1988-1992 All United Kingdom businesses classified to the industry

alaries (a)estala Regista	1988	1989	
Land and buildings			
New building work	29. 9	39. 9	
Land and existing buildings			
Acquisitions	18. 1	19. 7	
Disposals	11.0	10. 9	
Net	37.0	48.7	
Plant and machinery			
Acquisitions	220. 5	224. 9	
Disposals	6. 5	7.5	
Net	214. 0	217.3	
Vehicles			
Acquisitions	24. 7	32. 9	
Disposals	5. 9	9. 5	
Net	18.8	23. 5	
Total net capital expenditure	269. 8	289. 5	
12.299.000 2314 2.234.019	118.4	201.202	1
	190.55		

TABLE 3

Stocks and work in progress, 1988-1992 All United Kingdom businesses classified to the industry

						£ million
	1988	1989	1990	1991	1992	Value at end of 1992
		In	crease during	year		
Materials, stores and fuel	35. 7	13. 1	2. 5	-2.7	8.0	298. 8
Work in progress	16. 7	24. 9	8. 7	-27. 8	n-ord-fölger	88. 5
Goods on hand for sale	38. 7	58.9	-0. 1	-13. 2	18. 2	407. 0
Total	91. 1	96. 8	11.0	-43. 7	26. 2	794. 3

submitted for the industry at £127.4 million

. 1-1 P.S.

PA256

			£ million
1990	1991	1992	And and the second
	(6)		
35. 1	51.4	29.6	
20. 5	9.6	9. 2	
14. 3	12. 7	2.8	
41. 4	48.3	36. 1	
228. 7	255. 2	282. 3	
5. 9	12. 4	10.6	
222. 8	242.8	271.7	
		NA	
41.8	30.5	37.6	
11.9	12.5	17.3	
29. 9	18.0	20. 3	
294. 1	309. 1	327. 4	
1 1 1 1 1 1	CON R	70.c5	USE GRA

sis of canceves are excluded from the factor

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Employment, labour costs, output, net capital expenditure and stocks and work in progress by size of total employment, 1992

All United Kingdom businesses classified to the industry (a)

	Busin- esses	Enterprise groups (b)	Employmen	t		Wages and	salaries (c)		
			Total including working proprietors	Opera- tives	Administr- ative,tech- nical and clerical	Operatives		Administrative, technical and clerical	
						Total	per head	Total	per head
	Number	r Number	Thousand	Thousand	Thousand	£ million	£	£ million	£
1–9	494	493	1. 6)						
10-19	117) 1. 6)			73. 5	13, 471	113.8	19, 084
20-49	111	110	3. 7)	5. 5	6. 0	73. 5	13, 471	110.0	10,004
50-99	64	63	4. 7)						
100-199	50	45	6. 9	3. 4	3. 6	45. 6	13, 529	68.0	19, 144
200-299	14	13	3. 5	1.3	2. 2	22. 2	16, 854	45. 8	21, 105
300-399	11	11	3.8	1.8	1.9	30. 6	16, 540	40. 1	20, 638
400-499	10	9	4. 5	2.5	2.0	31. 9	12, 778	42.3	21, 174
500-749	3	3	1.9	0.7	1.1	8.8	12, 291	27.4	24, 059
750-999	3	3	2.6	1.5	1. 1	27.3	17, 604	23. 7	22, 420
1, 000-1, 499	3	3	3.8	1.4	2.4	21.0	14, 969	47. 2	19, 783
1, 500-Plus	4	4	9. 5	4. 5	5.0	84. 5	18, 943	108. 7	21, 715
exetuad None of vesticities									

Total	884	819	48.0	22. 6	25. 2	345. 5	15, 269	517.0	20, 505

(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 £127.4 million. The remuneration of outworkers on returns received - also excluded from the table - was £16 thousand.

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

latel	Percentage of		1.1.1	ter later to apprecia		bob	No. SUNTING VERY BR
Total sales and work	Gross output	Net output		Gross value added at factor cost		Net capital expenditure	Total stocks and work in progress at
done				Tactor cost			end of year
		Total	per	Total	per		
			head		head		
£ million	£ million	£ million	£	£ million	£	£ million	£ million
Workshire and							
							Laboratoria de fete
1, 303. 9	1, 309. 3	575. 3	49, 704	(d)	(d)	48. 4	192. 4
936. 0	941.0	351.4	50, 727	683. 9(d)	36, 968(d)	34. 8	114. 5
525. 0	523. 4	229. 9	65, 972	163. 4	46, 891	13. 4	81.4
653. 9	656. 5	256. 1	67, 485	195. 0	51, 394	27. 8	75.6
859. 2	863. 5	494. 1	109, 942	448. 9	99, 897	59. 9	68.8
265. 5	266. 3	112.8	60, 783	61. 6	33, 179	10. 5	37. 2
206. 2	206. 4	104.6	40, 173	85. 6	32, 889	12. 7	32. 7
367. 7	367. 9	169.4	44, 677	118. 7	31, 309	19. 7	108. 7
1, 074. 2	1, 075. 4	683. 1	72, 138	598. 5	63, 204	100. 3	82. 9

6	, 191. 6	6, 209. 8	2, 976. 7	62, 019	2, 350

i5. 6 49, 080 327. 4 794. 3

PA256

Percentage analysis of twelve-month periods covered by returns received for the 1992 Census by number of returns and total employment

Accounting year ended		Percentage of total returns received			Percentage of total employment			reserves a		
1992	April 6-30		8499 		1.6		20423-30	0.3		anger Gro Vital
	May				1.6			0. 7		
	June				3. 8			2. 5		
	July				2. 2			0. 3		
	August				1.1			0. 1		
	September				7. 7			9. 5		
	October				4.4			12.8		
	November				3. 3			1. 7		
	December				55. 7			58.0	1	
1993	January				3. 8			2. 9	ļ.	
	February				0. 5			0.3	1	
	1 March - 5	April			14. 2			10.8	1	
1.2.1		8. ME	1 13 1	meae an	(6)3.228.	60,237	as 150	13-1.20.114	17R. 4	0.000
ndt.	18 a									
TABLE 6										
Operating	g ratios, 1988-	1992								
All Unite	d Kingdom bu	sinesse	s class	ified to the in	dustry					

	Unit	1988	1989	1990	1991	1992
Gross output per head	£	101, 571	109, 718	116, 746	117, 269	129, 382
Net output per head	£	47, 041	50, 648	52, 941	54, 361	62,019
Gross value added per head	£	39, 366	41, 797	42, 864	43, 064	49, 080
Gross value added as a percentage of gross output	%	39	38	37	37	38
Ratio of gross output to stocks		6. 6	6. 3	6.6	6. 7	7.8
Vages and salaries as a percentage of pross value added	%	32	33	36	40	37
latio of operatives to administrative, echnical and clerical employees		1. 1	1. 1	1. 0	1. 0	0.9
Nages and salaries per operative	£	11, 192	12, 013	13, 404	14, 664	15, 269
Nages and salaries per administrative, echnical and clerical employee	£	14, 323	15, 638	17, 569	19, 575	20, 505
Net capital expenditure per head	£	5, 695	5, 999	6, 258	6, 369	6, 822
Net capital expenditure as a percentage of gross value added	%	15	14	15	15	14

TABLE 7

PA256

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1992 All United Kingdom businesses classified to the industry

2021 2584									
Area		Total employm (a)	ent	Net cap expend (b)		Net outj (c)	put	Gross v added a factor c	it
16 57	22		4/081			21		(c)	a ecesoiat
		Thousand	per cent of	£ million	per cent of	£ million	per cent of	£ million	per cent of
			United Kingdom		United Kingdom		United Kingdom		United Kingdom
Standard regions of En	gland								
North		2.4	5.0	20. 8	6.4	164. 6	5.5	123. 1	5. 2
Yorkshire and		_	581.0 051			405.0	banolog	hint baland	onemi abba
Humberside		5. 1	10.5	34. 3	10.5	258. 1	8. 7	207. 3	8.8
East Midlands		3. 5	7.3	14. 3	4.4	148.6	5.0	106.0	4. 5
East Anglia		2.3	4.9	17. 9	5.5	182.6	6. 1	144. 5	6. 1
South East		12.4	25. 7	74. 8	22. 8	997. 7	33. 5	808. 7	34. 3
South West		2.4	5. 1	8. 1	2.5	92. 7	3. 1	66. 3	2.8
West Midlands		2. 9	6. 1	16.4	5.0	123. 8	4. 2	88. 2	3. 7
North West		11.4	23. 8	92. 8	28. 3	705. 8	23. 7	560. 6	23. 8
England	8.0	42.5	88.5	279. 5	85. 4	2, 673. 9	89.8	2, 104. 7	89.3
Wales		2.8							
			5. 7	25. 9	7.9	167.6	5.6	141. 1	6.0
Scotland	2.32	2.3	4.8	*	•	114.6	3. 9	93. 8	4.0
Great Britain		47. 5	99. 0		macogiff	2, 956. 1	99. 3	2, 339. 6	99. 3
Northern Ireland		0. 5	1.0	•	•	20. 6	0. 7	16. 1	0. 7
United Kingdom		48. 0	100. 0	327. 4	100. 0	2, 976. 7	100. 0	2, 355. 6	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.

(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.

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

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NEWLIGHT

Output and costs, 1992 All United Kingdom businesses classified to each Activity Heading within the industry

	Unit		2562		2563	2564
Enterprise groups(a)	 Number	165 16/1 105543	181	ncolqene amployen	22	54
Businesses			185		22	57
Sales of goods produced	£ million		554. 4		62. 1	337.0
3 3060 180	-					
Work done and industrial services rendered	Heinij		7.3		0.8	-
Capital goods produced for use within the business			0. 1		0. 1	0.8
Non-industrial services rendered	u (5.4		1. 1		0. 5	0. 4
Goods merchanted or factored	•• 3. 2		120. 0		3. 0	56. 8
Total sales and work done			683. 0		66. 5	394. 9
Increase during the year, work in						
progress and goods on hand for sale	"		1. 5		0. 7	2. 1
Gross output	"		684. 4		67. 1	397. 0
Purchases of materials for use in pro- duction, packaging and fuel	u (2		277. 9		37. 9	176. 4
Purchases of goods for merchanting or	n 28 "		86. 9		2. 7	43. 4
factoring			00. 9		2. /	
Increase during the year, stocks of materials, stores and fuel			1.7		0.8	1. 7
Cost of industrial services received	, <u>1</u> 26		14.3		2.0	6. 2
Excise payments etc.(net)			6_2		_	0.4
Net output			307. 1		25. 3	172. 3
Total employment	Thousand		7. 1		0.4	3. 2
Net output per head	£		43, 426		67, 051	54, 411
Cost of non-industrial services received						
Hire of vehicles, plant and machinery	£ million		6.6		0. 1	2.0
Rents of industrial and commercial						
buildings			6. 7		stanp pertagona	0.2
Commercial insurance premiums	angentalites period		4. 9		0. 2	1.5
Bank charges	"		0.5		-	0.6
Other non-industrial services	to company as the offers of anamol		68.8		7. 3	41.3
Licensing of motor vehicles	1997 (1997) <mark>11</mark> (1997)		0.3		ed by aggregor	0. 1
Rates, excluding water rates	"		4. 9		0. 4	2. 3
Gross value added at factor cost	п		214. 2		17.4	124. 3
Gross value added at factor cost	£		30, 293		45, 992	39, 275

(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.

	1 Description of the	usite Bru yes
2565	2567	
29	400	
31	431	
136. 2	2, 641. 4	
- •	68. 1	
0. 2	15. 4	
e.a. 0. <u>a</u>	190. 6	
	561. 1	
169. 6	3, 476. 7	
	1.2 6.1	
-3. 1	6. 0	
166. 4	3, 482. 7	
50. 6	1, 295. 1	
	412. 2	
	1.0 15.1	
-0. 6	0.9	
5. 3	83. 4	
•	2. 3	
90. 7	1, 690. 7	
2. 7	26. 9	
33, 255	62, 817	
1. 2	22. 3	
2. 2	12. 7	
2. 4	20. 4	
0. 2	2. 8	

17.3

0.1

1.2

66. 1

24, 230

277.1

2.3

21.2

1, 331. 9

49, 488

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ripital expenditure. 1992 Ur United Kingdom businesses diassified to each Activit

2569	2568
86	69
87	71
152, 1	771.3
niking phizing building	0.0
ensitielupoA •	6. 3
0. 2	1.5
- 1995	14. 6
Plant sed machinery	445. 9
161. 4	1, 239. 6
-0. 3	11.4
161. 0	1, 251. 0
87. 4	393. 3
*	221.8
-0. 2	3.8
3. 1	12.6
	_
63. 6	627. 0
2.0	5. 7
31, 921	109, 107
0. 3	3. 0
0. 6	2. 5
	5. 0
0.1	0.4
5.3	64. 3
an brock and	0. 2
0.8	5.8
55. 9	545.8
hh U	

vasoriala, croros and fea vigit in progress boots on frand for sale

Total

Capital expenditure, 1992 All United Kingdom businesses classified to each Activity Heading within the industry

21.25	SANGE .		2562		2563	2564
Land and buildings		Durbler		14003	22	23
New building work					1.0	0.9
Land and existing buildings					1.0	0.9
Acquisitions			3. 9		- 0.8	-
Disposals			•		0. 7	
Net			5.6		0. 2	0.9
Plant and machinery						
Acquisitions			26. 8		3. 1	18.6
Disposals			0. 7		2. 1	1.6
Net			26. 1		1.0	16. 9
Vehicles						
Acquisitions			5.6		0. 1	1.3
Disposals			1.6		-	1. 7
Net			4.0		0. 1	-0. 4
Total net capital expenditure			35. 7		1. 3	16. 9
with moust in survival residents	12.0			14.4.63	3.0	23. 1.3
TABLE 10						

Stocks and work in progress, 1992 All United Kingdom businesses classified to each Activity Heading within the industry

Sacur () Instantion and Same agentic	12.5		2562	12.7.0	2563	2564
10a Increase during year						
Materials, stores and fuel			1. 7		0. 8	1. 7
Work in progress			0.5		0. 4	0. 2
Goods on hand for sale			1.0		0. 3	1. 9
Total			3. 2		1. 4	3.8
10b Value at end of year	84, 979	E.		00. 2088A. 59	45, 982	. 24(230
Materials, stores and fuel			30. 2		4. 5	27. 9
Work in progress			8.8		2. 2	6. 7
Goods on hand for sale			49. 7		1.8	26. 7
Total			88.6		8. 4	61. 3

2569		2568		2567		2565
			2682	28-83		Tord S
tors output per head		7. 1		16. 4		0. 5
at output per field		7. 1		10.4		
to aparado a a a potentido of		0. 1		5. 2		-
•		1.7		-		0. 2
1. 9 a se estadas era espa		5. 5		21. 5		0. 3
11.7		33. 9		186. 0		2. 2
0.3		0.6		5. 1		0. 2
						2. 1
11. 4		33. 3		180. 8		2. 1
						0.4
0.6		2.5		27. 2		0.4
0. 4		1.3		12. 2		0. 1
0.3		1. 1		15. 1		0. 3
13. 5		39. 9		217. 3		2. 7
11 5.384						
				•		
best tec to you and						
£ million	-		<u> </u>	761.06t	782 18	0505
2569		2568	888 ,88	2567	- 28, 038	2565
-0. 2		3.8		0.9		-0.6

best tes tuque, see						
£ millior	1.2		CIS CA		122 18	
2569		2568	<u>1</u> 8, 488	2567	- 28, 038	2565
-0. 2 10 10 10 10 10 10 10 10 10 10 10 10 10		3. 8		0. 9		-0.6
-0. 1 pebbe autev seo		2. 7		-1.5		-2. 1
-0. 2		8.7		7.6		-1.0
-0.6		15. 2		6. 9		-3. 7
egen and ministerner administrative	£		20, 514	20, 665	18, 035	
7.5		56. 9		162. 5		9. 4
2. 3		35. 2		29. 1		4. 1
6. 6		132. 2		178. 1		12.0
16. 5		224. 2		369. 8		25. 5

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Operating ratios, 1992

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

0838	54×6142		SEA0 2682			
- All Training Control of Control	Unit	2562	2563	2564	2565	
Gross output per head	£	96, 794	177, 633	125, 409	61, 015	
Net output per head	£	43, 426	67, 051	54, 411	33, 255	
Gross value added per head	£	30, 293	45, 992	39, 275	24, 230	
Gross value added as a percentage of gross output	%	31	26	31	40	
Ratio of gross output to stocks		7.7	7. 9	6. 5	6.5	
Wages and salaries as a percentage of gross value added	%	55	43	52	61	
Ratio of operatives to administrative, technical and clerical employees		1. 0	1. 1	0.6	2. 5	
Wages and salaries per operative	£	13, 802	18, 175	16, 034	12, 111	
Wages and salaries per administrative, technical and clerical employee	£	19, 724	22, 926	22, 717	21, 192	
Net capital expenditure per head	£	5, 055	3, 432	5, 346	990	
Net capital expenditure as a percentage of gross value added	%	17	8	14	4	
17.00		E.7 7.3	- 12.2		7.0	

TABLE 11

Operating ratios, 1992

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

	Unit	2567	2568	2569	
Gross output per head	£	129, 402	217, 675	80, 841	
Net output per head	£	62, 817	109, 107	31, 921	
Gross value added per head	£	49, 488	94, 978	28, 038	
Gross value added as a percentage of gross output	%	38	44	35	
Ratio of gross output to stocks		9.4	5. 6	9.8	
Wages and salaries as a percentage of gross value added	%	38	19	49	
Ratio of operatives to administrative, technical and clerical employees		0. 9	0. 7	1.6	
Wages and salaries per operative	£	16, 356	15, 012	12, 755	
Wages and salaries per administrative, technical and clerical employee	£	20, 514	20, 659	16, 035	
Net capital expenditure per head	£	8, 075	6, 947	6, 796	
Net capital expenditure as a percentage of gross value added	%	16	2 7 10 10	24	
A ST		G. 1000 .	S & 28.1		1. J.

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