

Business Monitor

PA344

Report on the
Census of Production

1991

Telecommunication equipment, electrical
measuring equipment, electronic capital
goods and passive electronic components

42 (HA251)

1 STATISTICS
READING ROOM
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PA344

BUSINESS MONITOR

A publication of the Government Statistical Service

Report on the Census of Production 1991

Telecommunication equipment,
electrical measuring equipment,
electronic capital goods and
passive electronic components

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

CENTRAL STATISTICAL OFFICE

London: HMSO

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PA344 TELECOMMUNICATION EQUIPMENT, ELECTRICAL MEASURING EQUIPMENT, ELECTRONIC CAPITAL GOODS AND PASSIVE ELECTRONIC COMPONENTS

PA344

The information in this report relates to businesses classified to the Telecommunication equipment, electrical measuring equipment, electronic capital goods and passive electronic components industry, Group 344 in the Standard Industrial Classification Revised 1980. The Industry Group covers the following Activity Headings:-

- 3441 Telegraph and telephone apparatus and equipment**
Manufacture of line telephone and telegraph apparatus of all kinds, including exchange equipment, switchboards, teleprinters, subscribers' apparatus, etc. The manufacture of parts specialised to telecommunication apparatus, eg dials, handsets is included.
- 3442 Electrical instruments and control systems**
Manufacture of meters, instruments and control systems dependent on electric or electronic technology for the function of measurement or control.
- 3443 Radio and electronic capital goods**
Manufacture of transmitters for radio and television broadcasting, wireless telephony and telegraphy including microwave links and relay stations, studio electronic equipment including television cameras, closed-circuit apparatus, monitors etc, radio communication receivers, walkie-talkies, radar and electronic navigational aids, aerials for transmitting and receiving radio communications (non-domestic), X-ray apparatus and similar apparatus using radio sources, electro medical apparatus for diagnostic and treatment purposes, including hearing aids. Manufacture of audio and video tape recorders is classified to Group 345.
- 3444 Components other than active components, mainly for electronic equipment**
Manufacture of resistors, capacitors, inductors, transformers (IF, RF and AF), switches, relays, rectifiers (other than diodes, which are classified to Group 345), printed circuits, connectors, circuit protection devices for telecommunication, electronics and instrumentation purposes. Manufacture of specialised cases and racking, etc for these applications is included.

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

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 HMSO, price £4.25.

REPORTING UNIT

3. From the earliest censuses of production until that for 1986 the reporting unit to the census was the establishment. This was defined as the smallest unit which could provide the full range of data required for an economic census. Establishments were asked where possible to exclude from their returns to the census any non-production activity.

4. In 1987, for a number of administrative and statistical reasons, a new system of company-based reporting was introduced. Under the new system the reporting unit to the census is, generally, the company, but there are some exceptions. These arise, for example, for large mixed activity companies which are asked to make separate returns to the census for each of their production activities on an establishment basis. Throughout this monitor this mixture of reporting units are referred to as "businesses". These businesses are no longer asked to exclude non-production activities.

5. In practice, since most businesses, both before and after the change, reported for the company as a whole, little difference to the main economic series has resulted from the change.

6. For most businesses, the returned data are appropriate to a single activity heading of SIC(80) and fall within a single geographical region. Where information covers a mixture of activities, the business is classified according to the main activity. Where the business operates at a number of different addresses then, in order to enable regional data to be compiled, separate information on employment and capital expenditure is sought for each address.

THE REGISTER

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

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

8. The Annual Census and other CSO inquiries provide a major source of information for checking the register and updating employment data. Where businesses do not make returns to these inquiries, estimates of employment are imputed from VAT turnover. For businesses which have an imputed employment of 11 or more, the estimates are checked by means of register proving forms. For businesses on the register making returns to the Quarterly or Annual Sales Inquiries, industrial classification is reviewed annually and is derived from an analysis of their commodity sales. For other businesses the classification is obtained either from VAT sources or from the register proving forms. Estimates of employment made by the CSO and the Department of Employment differ because they are derived from two separate inquiries and use different procedures and employment definitions.

COVERAGE

9. The Census covers United Kingdom businesses engaged in industrial production, ie mining and quarrying, manufacturing, construction, and gas, electricity and water supply industries (Divisions 1 to 5 of SIC(80)). Businesses in the Channel Islands and the Isle of Man are excluded.

10. Under the sampling arrangements agreed for the 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

11. 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

12. All published Census results include estimates for non-responders, unsatisfactory returns and businesses not selected for the Census. Estimates are also made for items not covered in the shorter form sent to smaller businesses.

13. Within employment size groups in each industry, the "average per head" is calculated for each census variable by dividing the total returns value for each variable by the total returned employment. This value is multiplied by the employment thought to exist in each non-responding or non-selected business to yield an estimated value for that business. Estimates for items not collected on the shorter form are made in a similar way using returned employment.

14. The accuracy of the totals produced by adding together estimates and returned data is mainly dependent on the level of response. The extent to which businesses making satisfactory returns account for the total employment of any industry is shown as a percentage in footnote (a) to table 1. Thus the accuracy of the data published in an Industry Report where 95 per cent of the employment in the industry is covered by the returns made will, in general, be better than that in an Industry Report where the coverage is only 70 per cent.

15. Additionally, the extent to which individual headings in an Industry Report are related to employment should be taken into account in assessing the accuracy of estimated data. Thus an estimate of total earnings which bears a close relationship to total employment is likely to be more accurate than an estimate of capital expenditure where the relationship to employment is not so clearly marked.

SUPPRESSION OF INFORMATION RELATING TO INDIVIDUAL UNDERTAKINGS

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

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

in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying 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 for 1990 was a slimline one. An additional breakdown on capital and current costs associated with pollution prevention and solid waste management was included.

SYMBOLS USED

19. The following symbols are used throughout the PA series of Business Monitors:

- .. not available
- nil or less than half the final digit shown
- * information suppressed to avoid disclosure
- R revised

ROUNDING OF FIGURES

20. Figures in the tables have been rounded to the nearest final digit where necessary and, in these instances, the sum of the constituent items may not always agree exactly with the total shown.

EXPLANATION OF TERMS USED IN THE CENSUS REPORT

21. The notes and definitions given in this section are based on the instructions given to respondents as to the way in which returns were to be completed.

CAPITAL EXPENDITURE

22. This represents the value charged to capital account together with any other amounts which ranked as capital items for taxation purposes during the year to which each return related. From 1988 contributors were asked to include the value of assets acquired as lessees under finance leasing arrangements. The value is inclusive of any amounts received or expected to be received in grants and/or allowances from government sources, statutory bodies or local authorities. Capital expenditure during the year in respect of production units where production had not started before the end of the year and the value of CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS by its own staff are included. The value of any assets acquired in taking over an existing business is excluded. The figures include non-deductible VAT but exclude deductible VAT. No allowance is made for depreciation, amortisation or obsolescence.

a. on LAND AND EXISTING BUILDINGS

23. This represents the value of freeholds and the value or premium payable or receivable for leaseholds acquired or disposed of. The figures for acquisitions include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees. The figures for disposals are net of any such professional fees payable.

b. on NEW BUILDING WORK

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

c. on PLANT AND MACHINERY, VEHICLES

25. This represents the value of new and second-hand plant and machinery and vehicles acquired or disposed of. The figures for acquisitions are net of any discounts received but include the cost of transport and installation and Customs and Excise car tax. The figures for disposals exclude amounts written off for capital assets which are scrapped.

CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS

26. This represents the value of all work of a capital nature carried out during the year by the staff of, and for use in, the businesses covered by the returns.

COST OF INDUSTRIAL SERVICES RECEIVED

27. This includes amounts payable to other organisations for work done on materials supplied by the business completing the return, for repairs and maintenance including those in respect of rented buildings, and for contracts which have been sublet. Direct payments to outworkers and amounts charged to capital account are excluded.

COST OF NON-INDUSTRIAL SERVICES RECEIVED

28. Up to 1987 contributors were asked to include annual payments for assets acquired on a finance leasing basis. From 1988 they were asked to include the total value of such assets as capital expenditure during the year in which they were acquired. The cost of non-industrial services received includes commercial insurance premiums, bank charges and amounts payable to other organisations for the hire of vehicles, plant and machinery, for the rent of industrial and commercial buildings, for the services of accountants, auditors, agents, solicitors and surveyors other than in connection with the acquisition or disposal of capital assets, for postal and telecommunications services, for carriage by all forms of transport within the United Kingdom, for advertising, market research etc, for the right to use patents, trade marks, copyrights etc, for manufacturing and quarrying rights and technical 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

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 contributors 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.

b. OPERATIVES

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

c. WORKING PROPRIETORS

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

ENTERPRISE

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

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 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.

Total sales and work done	Gross output	Net output		Gross value added at factor cost		Net capital expenditure (d)	Total stocks and work in progress at end of year
		Total	per head	Total	per head		
£ million	£ million	£ million	£	£ million	£	£ million	£ million
1,663.2	1,651.6	858.8	23,650	(e)	(e)	66.1	309.8
1,014.9	990.0	479.4	22,767	1,050.7(e)	18,273(e)	52.5	208.3
918.0	915.5	446.7	24,781	357.6	19,840	38.7	186.7
483.1	477.7	271.4	25,177	217.0	20,128	12.4	125.5
758.0	761.2	379.6	31,856	314.9	26,425	21.9	132.8
1,296.3	1,255.2	549.1	31,092	453.0	25,648	54.7	273.1
703.4	705.6	395.6	34,078	341.9	29,449	23.6	101.0
460.6	462.5	206.5	25,056	140.3	17,021	11.0	167.1
2,687.3	2,607.1	1,285.3	25,261	1,090.1	21,426	76.9	914.0
9,984.7	9,826.4	4,872.4	26,128	3,965.4	21,264	357.9	2,418.4

TABLE 5

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

Accounting year ended	Percentage of total returns received	Percentage of total employment
1991		
April 6-30	1.7	0.5
May	2.5	0.8
June	6.3	3.1
July	4.2	2.3
August	2.7	3.2
September	6.5	6.1
October	2.7	2.0
November	1.5	1.2
December	40.1	30.7
1992		
January	2.9	1.2
February	2.7	1.2
1 March - 5 April	26.1	47.7

TABLE 6

Operating ratios, 1987-1991

All United Kingdom businesses classified to the industry

	Unit	1987	1988	1989	1990	1991
Gross output per head	£	40,188	45,364	47,022	50,722	52,694
Net output per head	£	21,563	24,785	24,056	25,540	26,128
Gross value added per head	£	17,763	20,952	20,073	21,288	21,264
Gross value added as a percentage of gross output	%	44	46	43	42	40
Ratio of gross output to stocks		3.3	3.5	3.6	3.6	4.1
Wages and salaries as a percentage of gross value added	%	59	54	61	63	70
Ratio of operatives to administrative, technical and clerical employees		1.0	1.0	1.0	0.9	0.9
Wages and salaries per operative	£	8,624	9,180	9,536	10,279	11,373
Wages and salaries per administrative, technical and clerical employee	£	12,480	13,428	14,915	16,468	17,942
Net capital expenditure per head (a)	£	1,487	1,874	1,843	1,853	1,919
Net capital expenditure as a percentage of gross value added (a)	%	8	9	9	9	9

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

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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	Total employment (a)		Net capital expenditure (b)		Net output (c)		Gross value added at factor cost (c)	
	Thousand	per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	per cent of United Kingdom	£ million	per cent of United Kingdom
Standard regions of England								
North	6.6	3.5	15.0	4.2	138.9	2.9	116.3	2.9
Yorkshire and Humberside	4.7	2.5	7.5	2.1	104.3	2.1	85.2	2.1
East Midlands	12.3	6.6	21.0	5.9	295.9	6.1	239.1	6.0
East Anglia	6.1	3.3	6.1	1.7	136.8	2.8	94.7	2.4
South East	83.2	44.6	154.3	43.1	2,358.1	48.4	1,906.1	48.1
South West	19.4	10.4	40.5	11.3	567.7	11.7	478.8	12.1
West Midlands	14.9	8.0	38.5	10.8	383.2	7.9	314.1	7.9
North West	10.9	5.8	10.4	2.9	245.4	5.0	183.5	4.6
England	158.0	84.7	293.4	82.0	4,230.4	86.8	3,417.6	86.2
Wales	8.2	4.4	16.3	4.5	179.8	3.7	148.6	3.7
Scotland	17.0	9.1	41.8	11.7	406.6	8.3	350.4	8.8
Great Britain	183.2	98.3	351.5	98.2	4,816.7	98.9	3,916.6	98.8
Northern Ireland	3.2	1.7	6.4	1.8	55.6	1.1	48.7	1.2
United Kingdom	186.5	100.0	357.9	100.0	4,872.4	100.0	3,965.4	100.0

(a) Average number employed during the year, including full and part-time employees and working proprietors.

(b) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery. The value also includes assets acquired under finance leasing arrangements - see Table 2.

(c) Where a census return covered addresses in two or more regions, an estimate of the net output attributable to each address was made by assuming that net output was proportionate to employment. An estimate for each region was obtained by aggregating estimates of net output for addresses located in that region. Gross value added at factor cost was treated similarly.

TABLE 8

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

	Unit	3441	3442	3443	3444
Enterprise groups(a)	Number	490	923	656	983
Businesses	"	504	970	711	1,016
Sales of goods produced	£ million	1,939.8	1,649.9	3,322.7	1,476.5
Work done and industrial services rendered	"	213.5	198.5	186.2	44.5
Capital goods produced for use within the business	"	1.2	1.5	7.0	3.2
Non-industrial services rendered	"	34.1	6.7	18.0	1.9
Goods merchanted or factored	"	182.3	152.6	359.5	184.9
Total sales and work done	"	2,371.0	2,009.3	3,893.4	1,711.1
Increase during the year, work in progress and goods on hand for sale	"	-40.4	-20.2	-99.9	2.3
Gross output	"	2,330.6	1,989.1	3,793.4	1,713.3
Purchases of materials for use in production, packaging and fuel	"	961.9	753.9	1,498.0	669.8
Purchases of goods for merchenting or factoring	"	131.8	114.8	284.8	147.6
Increase during the year, stocks of materials, stores and fuel	"	-38.8	-12.2	-7.1	-5.3
Cost of industrial services received	"	63.1	51.3	172.3	41.3
Net output	"	1,134.9	1,056.8	1,831.2	849.4
Total employment	Thousand	34.6	39.0	69.4	43.5
Net output per head	£	32,820	27,096	26,405	19,505
Cost of non-industrial services received					
Hire of vehicles, plant and machinery	£ million	20.2	25.7	24.0	12.9
Rents of industrial and commercial buildings	"	17.7	18.9	46.7	19.0
Commercial insurance premiums	"	6.5	9.5	15.9	8.8
Bank charges	"	0.9	2.1	3.8	1.7
Other non-industrial services	"	113.1	166.6	229.3	93.2
Licensing of motor vehicles	"	0.3	0.4	0.5	0.2
Rates, excluding water rates	"	11.8	17.0	27.6	12.9
Gross value added at factor cost	"	964.4	816.7	1,483.4	700.8
Gross value added at factor cost per head	£	27,890	20,940	21,390	16,094

(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.

TABLE 9

PA344

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

	£ million			
	3441	3442	3443	3444
Land and buildings				
New building work	3.2	10.3	6.5	7.4
Land and existing buildings				
Acquisitions	0.7	6.1	16.0	11.5
Disposals	1.7	0.8	1.8	1.3
Net	2.2	15.6	20.7	17.6
Plant and machinery				
Acquisitions	63.0	51.3	103.8	85.5
Disposals	4.9	1.8	6.7	4.7
Net	58.0	49.6	97.1	80.8
Vehicles				
Acquisitions	4.6	7.3	8.8	5.2
Disposals	3.0	2.4	2.8	1.4
Net	1.7	4.9	6.0	3.8
Total net capital expenditure	61.9	70.0	123.7	102.2

(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

	£ million			
	3441	3442	3443	3444
10a Increase during year				
Materials, stores and fuel	-38.8	-12.2	-7.1	-5.3
Work in progress	-45.9	-14.3	-104.4	-2.5
Goods on hand for sale	5.5	-5.9	4.5	4.7
Total	-79.2	-32.5	-107.1	-3.1
10b Value at end of year				
Materials, stores and fuel	121.2	149.5	230.6	111.2
Work in progress	102.1	205.1	1,003.2	76.6
Goods on hand for sale	90.1	67.2	182.3	79.3
Total	313.4	421.9	1,416.1	267.0

TABLE 11

PA344

Operating ratios, 1991

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

	Unit	3441	3442	3443	3444
Gross output per head	£	67,396	50,999	54,699	39,345
Net output per head	£	32,820	27,096	26,405	19,505
Gross value added per head	£	27,890	20,940	21,390	16,094
Gross value added as a percentage of gross output	%	41	41	39	41
Ratio of gross output to stocks		7.4	4.7	2.7	6.4
Wages and salaries as a percentage of gross value added	%	59	71	76	70
Ratio of operatives to administrative, technical and clerical employees		0.7	0.8	0.5	2.2
Wages and salaries per operative	£	11,698	11,700	13,644	9,174
Wages and salaries per administrative, technical and clerical employee	£	20,225	17,335	17,810	15,976
Net capital expenditure per head (a)	£	1,790	1,796	1,784	2,347
Net capital expenditure as a percentage of gross value added (a)	%	6	9	8	15

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

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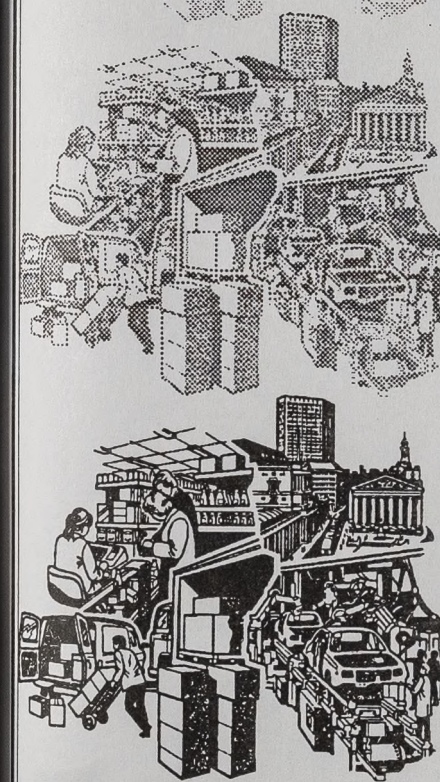
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