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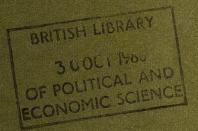
1978

Business Statistics Office

Business Monitor

Report on the Census of Production

Stone and slate quarrying and mining





A publication of the Government Statistical Service

PA102

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Special Note for Purchasers

Commencing with the 1971 Census, the Census of Production reports are being numbered in a uniform series embracing all industrial inquiries in the Business Monitor series. Business Monitors have a code P (for production) followed first by A (indicating that it is an annual series) or O (occasional) or Q (quarterly) or M (monthly): and then by a number indicating the minimum list heading, or sub-division of a minimum list heading, of the Standard Industrial Classification (revised 1968).

The Census of Production (PA) reports are available on standing order (details on application to Her Majesty's Stationery Office, P.O. Box 569, London SE1 9NH. Telephone 01-928 6977), although they are not included in the global subscription arrangements for the Business Monitor series.

Government Statistical Service

A service of statistical information and advice is provided to the Government by specialist staffs employed in the statistics division of individual Departments. Statistics are made generally available through their publications and further information and advice on them can be obtained from the Departments concerned.

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Report on the **Census of Production** 1978

and mining

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

Department of Industry Business Statistics Office



Stone and slate quarrying

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DA260 1	Electrical equipment for motor vehicles, cycles
PA369.1	and aircraft
PA369.2 PA369.4	Primary and secondary batteries Electric lamps, electric light fittings, wiring
04270	accessories, etc.
PA370 PA380	Shipbuilding and marine engineering Wheeled tractor manufacturing
PA381.1	Motor vehicle manufacturing
PA381.2	Trailers, caravans and freight containers
PA382 PA383	Motor cycle, tricycle and pedal cycle manufacturing Aerospace equipment manufacturing and repairing
PA384	Locomotives, railway track equipment, railway carriage
	wagons and trams
PA390 PA391	Engineers' small tools and gauges Hand tools and implements
PA392	Cutlery, spoons, forks and plated tableware, etc.
PA393	Bolts, nuts, screws, rivets, etc.
PA394 PA395	Wire and wire manufactures Cans and metal boxes
PA395 PA396	Jewellery and precious metals
PA399.1	Metal furniture
PA399.5 PA399.6	Drop forgings, etc. Metal hollow-ware
PA399.8	Miscellaneous metal manufacture
PA411	Production of man-made fibres
PA412 PA413	Spinning and doubling on the cotton and flax systems Weaving of cotton, linen and man-made fibres
PA413 PA414	Woollen and worsted
PA415	Jute
PA416 PA417.1	Rope, twine and net Hosiery and other knitted goods
PA417.2	Warp knitting
PA418	Lace
PA419 PA421	Carpets Narrow fabrics
PA422.1	Household textiles and handkerchiefs
PA422.2 PA423	Canvas goods and sacks and other made-up textiles Textile finishing
PA429.1	Asbestos
PA429.2	Miscellaneous textile industries
PA431 PA432	Leather (tanning and dressing) and fellmongery Leather goods
PA433	Fur
PA441 PA442	Weatherproof outerwear Men's and boys' tailored outerwear
PA442 PA443	Women's and girls' tailored outerwear
PA444	Overalls and men's shirts, underwear, etc.
PA445 PA446	Dresses, lingerie, infants' wear, etc. Hats, caps and millinery
PA449.1	Corsets and miscellaneous dress industries
PA449.2 PA450	Gloves Footwear
PA461.1	Refractory goods
PA461.2	Building bricks and non-refractory goods
PA462 PA463	Pottery Glass
PA464	Cement
PA469.1	Abrasives
PA469.2 PA471	Miscellaneous building materials and mineral products Timber
PA472	Furniture and upholstery
PA473 PA474	Bedding, etc. Shop and office fitting
PA475	Wooden containers and baskets
PA479	Miscellaneous wood and cork manufactures
PA481 PA482.1	Paper and board Cardboard boxes, cartons and fibre-board packing cases
PA482.2	Packaging products of paper and associated materials
PA483 PA484.1	Manufactured stationery Wallcoverings
PA484.2	
PA485	Printing, publishing of newspapers and periodicals
PA489 PA491	General printing and publishing Rubber
PA492	Linoleum, plastics floor-covering, leathercloth, etc.
PA493	Brushes and brooms Toys, games and children's carriages
PA494.1 PA494.3	
PA495	Miscellaneous stationers' goods
PA496 PA499.1	Plastics products Musical instruments
PA499.2	Miscellaneous manufacturing industries
PA500	Construction
PA601 PA602	Gas Electricity
PA603	Water supply
PA1002	Summary tables

PA102 STONE AND SLATE QUARRYING AND MINING

The information in this report relates to establishments classified to the Stone and slate quarrying and mining industry, minimum list heading 102 in the Standard Industrial Classification (revised 1968). The activities of the industry include:—

Extracting granite, limestone, marble, sandstone, etc. from mines, pits or quarries and slate quarrying and mining, and such ancillary activities as cleaning, washing, grading, etc. normally carried out at pits and quarries. Processing activities, for example, the production of roofing slates, coating of roadstone, etc., are also included when carried on at the site of the mine or quarry.

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

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TABLE 1

Output and costs, 1974–1978 All United Kingdom establishments classified to the industry (a)

	Unit	1974	1975	1976	1977	1978
Enterprises	Number	450	454	444	445	438
Establishments	"	734	761	726	727	722
Sales of goods produced (b)	£ thousand	222,291	271,625	307,300	337,967	395,447
Receipts for work done and industrial ervices rendered	"	(c)	(c)	1,223	2,851	4,188
Capital goods produced for establish- nents' own use	"	1,102	117	168	147	261
Ion-industrial services rendered		553	582	296	420	669
Goods merchanted for factored	"	3,621	8,300	7,226	6,114	7,186
Total sales and work done (d)	"	227,567	280,624	316,213	347,498	407,753
alue of outward transport on bods sold						
by establishments' own staff	"	16,696	21,079	19,347	22,278	24,565
by other organisations	"	54,391	54,905	64,330	70,465	91,965
ncrease during the year, goods n hand for sale	"	1,396	1,509	1,408	898	2,038
Gross output	"	300,051	358,116	401,298	441,139	526,320
urchases of materials for use in pro- uction, and packaging and fuel	"	95,635	117,170	139,183	155,789	170,024
urchases of goods for merchanting or ctoring	"	3,164	7,612	6,698	5,297	6,407
crease during the year, stocks of aterials, stores and fuel	"	2,234	2,123	1,751	1,173	1,411
ost of industrial services received	"	7,749	10,787	13,015	15,407	14,797
Net output	"	195,736	224,670	244,154	265,820	336,504
otal employment (e)	Thousands	19.7	19.3	17.4	16.6	16.2
Net output per head	£	9,961	11,635	14,067	16,001	20,814
syments for non-industrial services						
Hire of vehicles, plant and machinery	£ thousand	2,140	3,338	4,507	7,651	8,967
Rents of industrial and commercial buildings	"	(f)	(f)	82	60	87
Commercial insurance premiums	"	1,305	1,657	1,762	2,065	2,880
Bank charges	"	51	72	83	106	99
Other non-industrial services		61,396	60,485	68,914	80,266	97,627
censing of motor vehicles	"	721	811	530	721	966
tes, excluding water rates		1,776	2,141	2,168	2,727	2,868
Gross value added at factor cost		128,347	156,166	166,107	172,225	223,008
Gross value added at factor cost per head	£	6,531	8,088	9,571	10,367	13,794
		0,501	0,000	3,371	10,307	13,/94

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. Satisfactory returns accounted for 62 per cent of employment within the industry.

(b) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being shown separately.

(c) Included in sales of goods produced.

(d) Details of manufactures' quarterly sales of principal products are published regularly in Business Monitor PQ102.

(e) Average number employed, including full and part-time employees (see table 7) and working proprietors.

(f) For 1974 and 1975 rents of industrial and commercial buildings were not recorded separately, but included in hire of vehicles, plant and machinery.

TABLE 2

PA102

Capital expenditure, 1974–1978

All United Kingdom establishments cla					£ thousan
and the state of the state	1974	1975	1976	1977	1978
Land and buildings					
New building work	914	762	796	1,091	1,095
Land and existing buildings					
Acquisitions	1,838	2,610	1,579	903	1,869
Disposals	311	322	380	722	314
Vehicles					
Acquisitions	2,928	3,023	2,841	4,774	6,321
Disposals	515	634	444	973	1,027
Plant and machinery					
Acquisitions	24,527	18,067	25,161	27,024	31,195
Disposals	1,162	898	1,587	3,418	1,749
Total net capital expenditure	28,219	22,606	27,965	28,679	37,390

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

(b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included.

TABLE 3

Stocks 1974–1978 All United Kingdom establishments classified to the industry (a)

	1974	1975	1976	1977		1978
			Increase	3		Value at end of year
Materials, stores and fuel	2,234	2,123	1,751	1,173	1,411	14,062
Goods on hand for sale	1,396	1,509	1,408	898	2,038	11,315
Total	3,630	3,632	3,160	2,071	3,449	25,376

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

£ thousand

TABLE 4

Analysis of establishments by size, 1978 All United Kingdom establishments classified to the industry (a)

Size group (b)	Estab- lish- ments	Enter- prises (c)	Employme	nt		Wages and sa	laries (f)			
			Total (d)	Opera- tives	Others (e)	Operatives	Operatives		Others (e)	
			(0)			Total	per head	Total	per head	
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£	
1–10	392	297	1,978)							
11–19	125	83	1,849)							
20—49	128	73	3,954)	8,698	2,012	33,672	3,871	8,434	4,192	
50—99	49	33) 3,217)							
00—199	20	15	2,624	2,068	556	8,501	4,111	2,259	4,063	
200—299	5	5	1,277	1,013	264	4,785	4,724	1,155	4,375	
00 and over	3	3	1,268	870	398	3,699	4,252	1,739	4,369	

Company of the second second					
Total sales and work done (g)	Gross outpu	it Net ou	tput		Gross value added at factor cost
		Total		er ead	Total
£ thousand	£ thousand	£ thou	isand £		£ thousand
278,264	350,885	220,44	19 2	0,044	(j)
60,623	80,099	52,50)2 2	800,00	188,827(j)
32,374	46,061	31,00)3 2	4,278	16,068
36,492	49,276	32,54	49 2	5,670	18,114

Total	722	438	16,167	12,649	3,230	50,657	4,005	13,586	4,206
(a)	Including estimates fo	r establishmer	nts not making s	satisfactory re	turns, non-re	sponse and esta	blishments no	ot selected for th	ne Census.

(b) Average number employed, including full and part-time employees (see table 7) and working proprietors.

(c) The sum of the figures for the size groups may exceed the total for the industry because some enterprises control establishments in more than one size group.

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(d) Including working proprietors.

(e) Administrative, technical and clerical employees.

407,753	526,320	336,504	20,814	223,008

The cost of employers' contributions to national insurance, pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £9,757 thousand. (f)

Sales of goods produced, capital goods manufactured and buildings constructed by establishments for their own use, work done, industrial and non-industrial services rendered and merchanted goods. (g)

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(h) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

(j) Gross value added data relate to establishments employing 1-199.

PA102

in desserve Lander Des gebook	Net capital expenditure (h)	Total stocks at end of year
per head		
£	£ thousand	£ thousand
(j)	23,833	17,912
13,862(j)	5,667	4,184
12,583	3,516	1,379
14,285	4,374	1,902

13,794

37,390

25,376

PA102

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1978 All United Kingdom establishments classified to the industry (a)

Area	Total employment	Total employment (b)		Net capital expenditure (c)		Gross value added at factor cost (d)	Gross value added at factor cost returned by establishments with 80 per cent or more of their employment in the region as a proportion of total gross value added at factor cost in the region
	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	percentage
Standard regions of England							
North	1.6	9.9	4,645	12.4	34,396	21,820	52.3
Yorkshire and Humberside	1.3	8.3	2,986	8.0	31,387	21,281	48.7
East Midlands	1.8	11.4	4,088	10.9	45,496	30,765	65.4
East Anglia	0.1	0.9	242	0.6	3,301	2,576	31.4
South East	0.4	2.2	881	2.4	8,240	5,311	34.0
South West	2.4	14.9	6,589	17.6	58,181	33,706	59.0
West Midlands	1.0	6.1	2,045	5.5	23,340	16,680	66.4
North West	0.8	5.1	1,794	4.8	16,539	10,453	38.7
England	9.5	58.9	23,270	62.2	220,880	142,592	
Wales	3.0	18.7	5,263	14.1	49,605	32,774	51.2
Scotland	2.0	12.1	4,030	10.8	37,147	26,411	46.3
Great Britain	14.5	89.6	32,563	87.1	307,632	201,776	
Northern Ireland	1.7	10.4	4,826	12.9	28,872	21,232	33.7
United Kingdom	16.2	100.0	37,390	100.0	336,504	223,008	/

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

(b) Average number employed, including full and part-time employees (see table 7) and working proprietors.

(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

(d) 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 is treated similarly.

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TABLE 6

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments, 1978

Accounting year ended			Percentage of total returns received		
		ANY ANY	per cent		
1978	April (a)		1.3		
	Мау		0.7		
	June		8.7		
	July		-		
	August		-		
	September		14.7		
	October		3.3		
	November		-		
	December		45.3		
1979	January		2.0		
	February		1.3		
	March (b)		22.7		

(a) From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1979.

TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1977(a)

Sex ,	Full-time	Part-time	All employees
	per cent	per cent	per cent
Male	91	1	92
Female	6	2	8

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at mid-June, 1977.

reastante Unit, Carlett.

7

Percentage of	total number employed
per cent	August Sale Sale in 12
1.0	
0.3	
6.8	
_	
-	
11.0	
4.3	
-	
50.4	
1.8	
1.1	
23.4	

Source: Department of Employment

TABLE 8

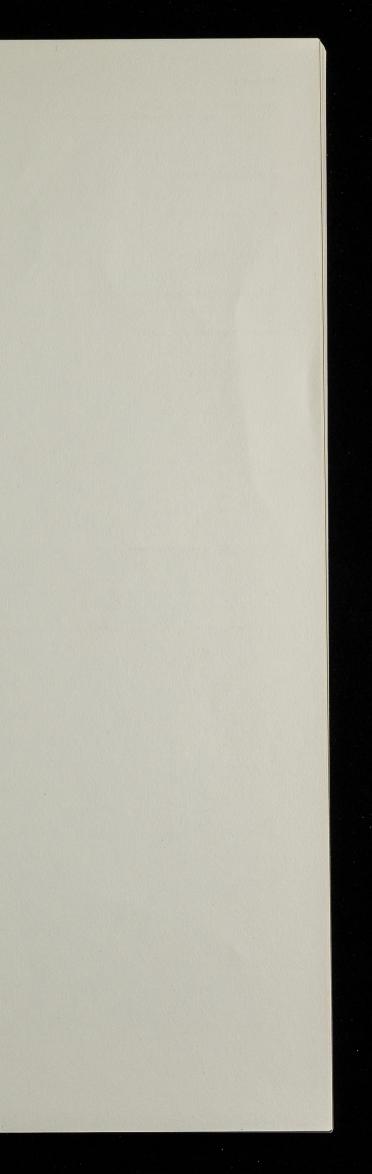
Operating ratios, 1977–1978 All United Kingdom establishments classified to the industry (a)

	Unit	1977	1978
Gross output per head	£	26,554	32,555
Net output per head	£	16,001	20,814
Gross value added per head	£	10,367	13,794
Gross value added as a percentage of gross output	%	39	42
Ratio of gross output to stocks		20.9	20.7
Wages and salaries as a percentage of gross value added	%	33	29
Ratio of operatives to administrative, technical and clerical employees		4.0	3.9
Wages and salaries per administrative, technical and clerical employee	£	3,726	4,206
Wages and salaries per operative	£	3,480	4,005
Net capital expenditure per head	£	1,726	2,313
Net capital expenditure as a percentage of gross value added	%	17	17

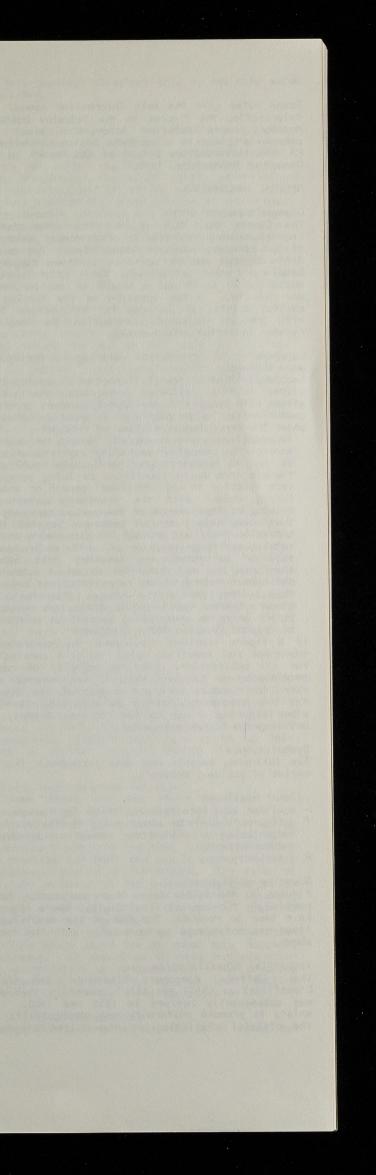
(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

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Notes

These notes give the main information needed for interpreting the figures in the industry Business Monitors: more detailed information about the census is given in a separate Business Monitor -PA 1001 (Introductory Notes) of the Report on the Census of Production, 1978.

GENERAL INFORMATION

Changes made for 1978

The Census for 1978 is in line with similar inquiries being conducted in other member countries of the European Economic Communities. The census differed from earlier censuses in three respects. Sampling was introduced for establishments employing 20 to 49 and a sample of smaller units was selected. A new question on the leasing of capital assets was included for 1978 only. will provide register information for use in related inquiries into leasing.

Suppression of information relating to individual undertakings

Section 9(5)(b) of the Statistics of Trade Act 1947 states - "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 commun-ication 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 deduced from the total disclosed".

If a figure involved disclosure the contributor concerned was sometimes asked to give permission for its publication. In the majority of cases permission was given. When it was refused and where contributors were not approached the figure has been suppressed, either by combining it with other figures, or as in the regional tables, by omitting the figure altogether.

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
- figures cannot be shown owing to the risk of disclosing information about individual enterprises
- revised

Rounding of figures

Figures in the tables have, where necessary, been rounded to the nearest final digit. Where figures have been so rounded, the sum of the constituent items may not always agree exactly with the total shown.

Industrial classification

The United Kingdom Standard Industrial Classification (SIC) was first issued in 1948 and was subsequently revised in 1958 and 1968. It exists to promote uniformity and comparability in the official statistics of the United Kingdom.

The general principles followed are those of the International Standard Industrial Classification of all Economic Activities of the United Nations Statistical Office but the United Kingdom SIC reflects the organisation and structure of industry and trade as it exists in the United Kingdom. The SIC is a classification by activity and is not a commodity classification. However, an index of all commodity headings for which sales data are provided in the Quarterly Business Monitors, is published in Business Monitor PQ 1000.

Statistical units

The statistical unit for the purpose of the Census is the establishment which is defined in the SIC as the smallest unit which can provide the information normally required for an economic census. for example, employment, expenses, turnover, capital formation. Usually the principal activities carried on in an establishment fall within a single heading of the classification (eg steel establishment embraces all the activities carried on at a single address eg a mine or a factory, including those which are ancillary to the principal activities. Frequently distinct activities characteristic of different industries are carried on at one address, but normally these are not classified separately and the whole establishment is classified according to the main activity. If, however, the required range of data can be provided for each activity, each is taken to constitute a separate establishment. Sometimes activities which are conducted as a single business are carried on at a number of addresses. Where this is so, businesses are asked to provide the full range of information in respect of each address, whether or not the activities are different. Their activities may, however, be integrated to such an extent that they constitute a single establishment. In the latter case the establishment is defined to cover the combined activities at these addresses (termed local units). Separate figures are obtained of employment and net capital expenditure at each unit in order to compile regional tables.

Efforts are made by the Business Statistics Office (BSO) to ensure, by negotiating with respondents, that the return from an establishment does not cover local units in more than one of the countries of the United Kingdom.

Establishments are asked to exclude from their returns particulars relating to any department not engaged in production eg merchanting, transport, warehousing, for which they keep a separate set of accounts. Transfers of goods produced to such departments are treated as sales and respondents are asked to value them as far as possible as if sold to an independent purchaser. Where separate accounts are not kept they are asked to include details of all these activities in their return. Particulars relating to head offices mainly engaged in the administration of the production units within the scope of the census were included. Where more than one return was made the information in respect of the head office was apportioned among them.

For certain purposes in the annual censuses of production (especially the enterprise analyses of Business Monitor PA 1002) related establishments are combined. An enterprise group is defined as a business consisting of either a single establishment or two or more establishments under common ownership or control. Bringing together establish-ments into enterprise groups is also necessary for the purpose of ensuring that there will be no disclosure of the activities of any one enterprise group. Information about the relationship of establishments, the changing structure of groups of companies and about common ownership links is

obtained from many sources, including the Stock Exchange Year Book, company reports, press reports information supplied by individual and stablishments.

THE REGISTER

The register permits a questionnaire to be sent direct to the reporting establishment on which the latter can include information relating to all the manufacturing (or local) units which it comprises. The inquiries provide a major source of information for keeping the register continuously up-to-date and act as a check on its detail and structure. For the establishments on the register making returns to the quarterly inquiries, the industrial classification is derived from an analysis of their sales of commodities and is reviewed annually. Employment data are entered on the register from returns to the annual census of production. In cases where an establishment does not make a return to these inquiries the employment data are based on information provided by the Department of Employment from the annual censuses of employment. New additions to the register are obtained from various sources including the Department Employment and HM Customs and Excise. The 1973 Finance Act allows the latter to pass lists of businesses registered for VAT to the BSO. Where necessary details are sought directly from new businesses. Units which cease to trade are removed from the live register.

In recent censuses returns have been required from all establishments employing 20 or more. For the 1978 Census in 68 selected manufacturing industries coverage of establishments in the 20 to 49 employment size band has been reduced to a 1 in 2 sample. This change has relieved some 5,800 firms of the need to complete a census return. The Census has included for the first time a small sample (around 10 per cent) of units employing 11 to 19 to meet an EEC requirement to collect a limited range of data from smaller units every 5 years.

Regions

The regions defined in Table 5 take account of the boundary changes arising out of the Local Government Act 1972 and the Local Government Act (Scotland) 1973. These changes came into effect in April 1974 in England and Wales and May 1975 in Scotland.

TERMS USED IN THE CENSUS REPORT

Average number employed

Establishments were required to state the average number of persons on the payroll during the year of return. Separate figures were required for: (a) administrative, technical and clerical

employees

(b) all other employees (operatives) Averages could be calculated from the figures relating to the last week of each calendar month. Establishments were also required to state the number of working proprietors where appropriate and these are included in total employment figures. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working proprietors

These include all persons regarded as "selfemployed" for national insurance purposes and members of their families who worked in the business without receiving a wage or salary; but such persons who worked less than half the normal number of working hours are excluded. Directors working in the business but not in receipt of a definite wage, salary or commission are included

not included.

Employees included.

leasing.

return.

(c) Plant, machinery and vehicles The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc which firms produced for their own use in connection with the business covered by the return. The value of plant, etc acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. Deductible value added tax is excluded but nondeductible value added tax on motor cars acquired is included. No deduction is made for depreciation, amortization or obsolescence. The proceeds of items disposed of during the year exclude amounts written-off for items scrapped.

under this heading: directors paid by fee only are

Administrative, technical and clerical employees include directors in receipt of a definite wage, salary or commission, managers and works foremen; research and design employees (other than operatives); draughtsmen, editorial staff, advertising staff, travellers and all office employees.

Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include operatives employed in power stations, transport (including roundsmen), warehouses, stores, shops and canteens, inspectors, maintenance Operatives engaged in workers and cleaners. outside work of erecting, fitting etc are also

Capital expenditure

Capital expenditure during the year in respect of manufacturing units where production had not started before the end of the year is included. Establishments were asked not to deduct from the value of capital expenditure amounts received or expected to be received in grants or allowances from the Government or any statutory body or local authority. Establishments with 100 or more employees were asked to include a total net capital expenditure figure for each calendar year and to state whether any of the investment shown in cost of new building work, vehicles or plant and machinery included goods for letting out on hire or

(a) New building work

This represents the cost incurred during the year of new building and other constructional work to be used in connection with the business covered by the return. The value is that charged to capital account during the year of return; it includes expenditure on new buildings and on the extension or reconstruction of old buildings, the value of works of a capital nature carried out by the establishment's own staff and the cost of any newly constructed buildings purchased. Figures shown include legal charges, stamp duties, agents! commissions, etc.

(b) Land and existing buildings The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of assets acquired in taking over an existing business), and the amounts receivable for freeholds or leaseholds disposed of. The value is that charged to capital account during the year of

Cost of industrial services

This includes amounts payable to other firms for

work done on materials supplied by the establishpayments for repairs and maintenance ment. (including those in respect of rented buildings) and amounts paid to other firms for contracts which have been sublet.

Cost of non-industrial services

This includes rents of industrial and commercial buildings, hire of plant, machinery and vehicles (excluding vehicles hired with drivers), commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport (within the United Kingdom), advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc, manufacturing, mining and quarrying rights and technical "know-how" are also included.

Gross output

In the calculation of gross output the value of total sales and work done is increased by the rise (or reduced by the fall) during the year in the value of goods on hand for sale.

Net output

Net output, a customary census measure, is calculated by deducting from gross output the cost of purchases (reduced by the rise, or increased by the fall, during the year of stocks of materials etc.) and the cost of industrial services received, and where applicable, duties etc.

Net output per head

The figures of net output per head are derived by dividing the net output by the average number of persons employed (full and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors.

Gross value added at factor cost

Gross value added at factor cost is calculated by deducting from net output the cost of nonindustrial services eg rent of buildings, hire of plant, machinery and vehicles (excluding vehicles hired with drivers), commercial insurance premiums. bank charges and amounts paid for professional services, post office services, transport (within the United Kingdom) and advertising, rates (excluding water rates) and the cost of licensing motor vehicles. This estimate of gross value added approaches more closely than census net output to the definition of net output or value added in national accounts statistics.

Gross value added at factor cost per head

The figures of gross value added at factor cost per head are derived by dividing the gross value added by the average number of persons employed (full and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors.

Purchases

Purchases include the cost of raw materials, components, semi-manufactured goods and workshop materials; of replacement parts and consumable tools not charged to capital account; of packaging materials of all types; of stationery and printed matter; of fuel, electricity and water; of materials to be used by the establishment or given out to other establishments for the production of machinery or other capital items for the establishment's own use; of materials for use by the establishment when working on goods supplied by customers; and of food, etc for any canteen covered by the establishment's return. Transfers of goods to the establishment from another department of the same firm not covered by the establishment's return

are included at a cost corresponding to the estimated selling value recorded by the other department. Amounts payable to transport firms or credited to the firm's own transport department for delivery of materials are excluded, as are all purchases of machinery and plant charged to capital account. Purchases of goods for merchanting or factoring have been collected separately since 1973. The values shown exclude VAT. They include, in addition to the actual purchase price, the value of packaging material charged to the establishment, The value of returned goods or packaging material returned to suppliers and any trade discounts are excluded. Materials purchased duty-paid are included at their duty-paid value, less any drawback, rebate, etc. The cost of transport is included only if it is included with the purchase price in the firm's accounts. Imported goods are included at their full delivered cost. If in the firm's accounts the transport from docks or airport is not included in the cost of goods purchased, the cost is entered at cif plus duty (if applicable), Leasing, renting and hire purchase charges are excluded.

Sales of goods produced

Sales for the purposes of the annual censuses means deliveries on sale of minerals raised or goods made by establishments in the United Kingdom covered by the inquiry. Sales of goods made for these establishments by other establishments from materials given out to them and sales of waste products are included. New building work and machinery or other capital items produced by establishments for hiring out or leasing are regarded as sales, the value included in the return being that adopted in the establishments' capital asset accounts. Forward sales and canteen takings are excluded. All sales in the period of the inquiry are included irrespective of when the goods were manufactured. Goods produced in one establishment and transferred either to ancillary departments not engaged in production for which there are separate accounts, or to another establishment of the same firm not covered by the return, are treated as sales by the producing establishment and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations, for which separate accounts are kept are valued on the same basis. The value shown for sales is the "net selling

value" defined as the amount (excluding VAT) charged to customers whether on an ex-works or delivered basis, after any trade discounts and agents' commissions have been deducted. The cost of packing materials less allowance for returnable cases is included.

Receipts for work done and industrial services rendered

Figures for work done represent the amount charged for work carried out on materials supplied by a customer and include the value of any materials bought and used in such work. Activities within this heading include repair and jobbing work, erection and installation of plant and machinery, exploration work, and research and development.

Industrial services rendered include repairs and maintenance, installation work, and technical research and studies for other organisations.

Capital goods produced for establishments' own use This includes all work of a capital nature carried out during the year by the establishments' own staff for their own use.

Non-industrial services rendered

This includes rents received for commercial and industrial buildings, amounts charged for hiring out plant, machinery and vehicles and other goods

and amounts charged to other organisations for the provision of transport. It also includes amounts received for the right to use patents, trademarks, copyrights etc, manufacturing, mining and quarrying rights and technical "know-how" and revenue from such staff facilities as canteens.

Goods merchanted or factored

Merchanted goods are those (excluding canteen sales) sold without having been subjected to any manufacturing process by the seller.

Stocks and work in progress Values are given of stocks of goods on hand for sale and of materials, stores and fuel, at the end of the year of return and of the change during the including any stocks of goods held for year, merchanting or factoring. Work in progress is defined as materials which have been partially processed by the establishment but which are not usually sold or transferred to another establishment without further processing. The values include the cost of materials consumed and labour used. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not deducted.

Wages and salaries

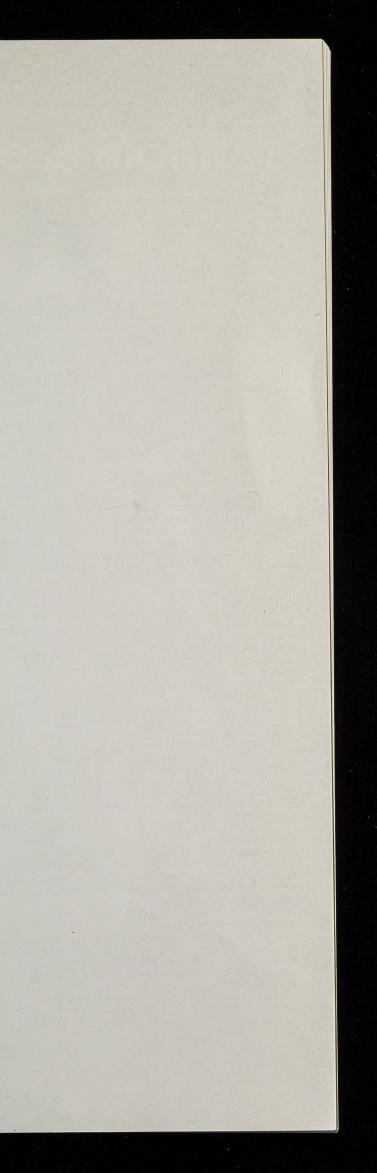
These are amounts paid during the year to operatives and to administrative, technical and Payments to working clerical employees. proprietors, whether called salaries or not, are excluded. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions etc. The value of redundancy payments less any amounts reimbursed from Government sources is included. The value of any payments in kind, travelling expenses etc is excluded.

Employers' insurance and welfare contributions

This item includes employers' contributions to national insurance under the Social Security Pensions Act, 1975 as well as commercial insurance premiums to provide pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability or death benefits for employees or former employees or their dependants. Contributions to the running costs of canteens, social centres, children's and holiday homes, etc for employees, former employees and their dependants are also included.

Operating ratios

The operating ratios shown were obtained by dividing the estimate of the industry total for the quantity shown in the numerator by the corresponding estimate for the quantity shown in the denominator. These estimates cover all establishments classified to each industry, including not selected establishments and non-respondents. Within an industry, it is possible to compare ratios for an individual firm with the ratios shown for the relevant industry. However, it is important to bear in mind that various factors may affect the results - for example, differences in definitions, treatment of depreciation (which is not identified in the census data) and varying practice with regard to stock valuation, may affect comparability in some respects.



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