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Business Monitor

Report on the Census of Production

Tobacco

HMSO



A publication of the Government Statistical Service

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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.

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PA240

Business Monitor

A publication of the Government Statistical Service

Report on the Census of Production 1976

Tobacco

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

London: Her Majesty's Stationery Office

Stone and slate quarrying and mining

Chalk, clay, sand and gravel extraction

Miscellaneous mining and quarrying

Bacon curing, meat and fish products

Cocoa, chocolate and sugar confectionery

Petroleum and natural gas

Milk and milk products

Bread and flour confectionery

Fruit and vegetable products

Vegetable and animal oils and fats

Spirit distilling and compounding

Coke ovens and manufactured fuel

Pharmaceutical chemicals and preparations

Synthetic resins and plastics materials and

Animal and poultry foods

PA229.2 Starch and miscellaneous foods

Brewing and malting

PA239.2 British wines, cider and perry

Mineral oil refining

Inorganic chemicals

Toilet preparations

Soap and detergents

PA279.2 Formulated adhesives, gelatine, etc.

PA279.7 Photographic chemical materials PA311 Iron and steel (general)

Miscellaneous base metals

PA333.3 Compressors and fluid power equipment

Mechanical handling equipment

PA339.3 Refrigerating machinery, space-heating, ventilating and air-conditioning equipment

packaging and bottling machinery

Ordnance and small arms

Aluminium and aluminium allovs

Copper, brass and other copper alloys

Agricultural machinery (except tractors)
Metal-working machine tools

Textile machinery and accessories
Construction and earth-moving equipment

PA339.2 Printing, bookbinding and paper goods machinery

synthetic rubber Dyestuffs and pigments

PA279.3 Explosives and fireworks

PA279.4 Formulated pesticides, etc.

PA279.6 Surgical bandages, etc.

Steel tubes

Iron castings, etc.

Industrial engines

Office machinery PA339.1 Mining machinery

power tools

Fertilizers

Polishes

PA279.5 Printing ink

Lubricating oils and greases

Coal mining

Grain milling

Biscuits

Sugar

Margarine

Soft drinks

Tobacco

PA271.2 Organic chemicals

Paint

PA271.3 Miscellaneous chemicals

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PA342

PA349 1

PA333.2 Valves

PA271.1

PA239.1

PA229.1

PA369.1	Electrical equipment for motor vehicles, cycles
	and aircraft
DA260 2	Primary and cocondary batteries

PA369.4 Electric lamps, electric light fittings, wiring accessories, etc.

Shipbuilding and marine engineering Wheeled tractor manufacturing PA381 1 Motor vehicle manufacturing

PA381.2 Trailers, caravans and freight containers Motor cycle, tricycle and pedal cycle manufacturing PA382 Aerospace equipment manufacturing and repairing PA383 Locomotives, railway track equipment, railway carriages PA384

wagons and trams Engineers' small tools and gauges PA391

Hand tools and implements
Cutlery, spoons, forks and plated tableware, etc.
Bolts, nuts, screws, rivets, etc. PA392 PA393 PA394 Wire and wire manufactures PA395 Cans and metal boxes

PA396 Jewellery and precious metals

PA399. Metal furniture PA399.5 Drop forgings, etc. PA399.6 Metal hollow-ware

PA399.8 Miscellaneous metal manufacture PA411

Production of man-made fibres
Spinning and doubling on the cotton and flax systems PA412 PA413 Weaving of cotton, linen and man-made fibres

PA414 Woollen and worsted PA415 Jute

PA416 Rope, twine and net PA417.1 Hosiery and other knitted goods

PA417.2 Warp knitting PA418 Lace

PA419 Carpets PA421 Narrow fabrics

Household textiles and handkerchiefs PA422.2

Canvas goods and sacks and other made-up textiles Textile finishing PA423

PA429.1 Asbestos

PA429.2 Miscellaneous textile industries PA431 Leather (tanning and dressing) and fellmongery

PA432 Leather goods PA433

PA441 Weatherproof outerwear PA442

Men's and boys' tailored outerwear PA443 Women's and girls' tailored outerwear PA444 Overalls and men's shirts, underwear, etc.

Dresses, lingerie, infants' wear, etc. PA445 PA446 Hats, caps and millinery

PA449.1 Corsets and miscellaneous dress industries

PA449.2 Gloves PA450 Footwear

PA461.1 Refractory goods PA461.2 Building bricks and non-refractory goods PA462 Pottery

PA463 Glass PA464 Cement PA469. Abrasives

Miscellaneous building materials and mineral products PA469 2 Timber PA471

PA472 Furniture and upholstery PA473 Bedding, etc.

PA474 Shop and office fitting Wooden containers and baskets

PA479 Miscellaneous wood and cork manufactures

PA339.5 Scales and weighing machinery and portable PA481 Paper and board Cardboard boxes, cartons and fibre-board packing cases Food and drink processing machinery and PA482. Packaging products of paper and associated materials Manufactured stationery PA482 2

PA339.9 Miscellaneous (non-electrical) machinery
PA341 Industrial (including process) plant and steelwork PA483 PA484.1 Wallcoverings Miscellaneous manufactures of paper and board PA484 2 Printing, publishing of newspapers and periodicals PA485

Ball, roller, plain and other bearings
Precision chains and other mechanical engineering PA489 General printing and publishing PA349.2 PA351 Photographic and document copying equipment PA491 Rubber PA492 Linoleum, plastics floor-covering, leathercloth, etc. Watches and clocks
Surgical instruments and appliances PA352 PA493 PA353

Brushes and brooms
Toys, games and children's carriages PA354 Scientific and industrial instruments and systems PA494.1 PA494.3 Sports equipment PA361 Electrical machinery Insulated wires and cables PA495 Miscellaneous stationers' goods PA362 PA363

Telegraph and telephone apparatus and PA496 Plastics products PA499.1 Musical instruments equipment Radio and electronic components PA499.2 Miscellaneous manufacturing industries PA365.1 Gramophone records and tape recordings PA500 Construction

Gas PA601 PA365.2 Broadcast receiving and sound reproducing PA602 Electricity equipment PA366 Electronic computers PA603 Water supply Radio, radar and electronic capital goods PA1002 Summary tables PA367 PA368 Electrical appliances primarily for domestic use

PA240 TOBACCO

The information in this report relates to establishments classified to the Tobacco industry, minimum list heading 240 in the Standard Industrial Classification (revised 1968). The activities of the industry include:—

Manufacturing tobacco, cigars, cigarettes and snuff.

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

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TABLE 1 Output and costs, 1973 - 1976
All United Kingdom establishments classified to the industry (a)

	Unit	1973	1974	1975	1976
Enterprises	Number	22	23	20	20
Establishments	"	36	36	33	/ 3:
Sales of goods produced, work done and industrial services rendered	£ thousand	1,714,659	1,968,777	2,453,150	2,875,37
Capital goods produced for establishments' own use	,"-	4,072	632	678	91
Non-industrial services rendered		773	1,261	947	1,01
Goods merchanted or factored	,,	101,896	(b)	(b)	()
Total sales and work done (c)		1,821,399	1,970,670	2,454,776	2,877,30
Increase during the year, work in progress and goods on hand for sale	"	-139	14,949	21,317	7,18
Gross output		1,821,261	1,985,618	2,476,093	2,884,49
Purchases of materials for use in production, and backaging and fuel	21068 "	243,545	370,643	460,552	480,55
Purchases of goods for merchanting or factoring	1200	113,310	(d)	(d)	(6
ncrease during the year, stocks of materials, tores and fuel	,,	1,175	34,111	27,222	17,39
Cost of industrial services received	"	2,722	4,563	9,064	11,28
Excise payments etc. (net)		1,200,156	1,345,991	1,636,249	1,884,90
Net output	"	262,703	298,533	397,450	525,14
otal employment (e)	Thousands	39.4	40.2	39.8	37.
Net output per head	£	6,666	7,432	9,981	13,85
Payments for non-industrial services					
Rents, hire of plant and machinery (f)(g)	£ thousand	1,375	1,136	1,434	1,82
Commercial insurance premiums		720	832	1,194	1,46
Bank charges		307	(h)	(h)	(۲
Other non-industrial services (j)	"	8,066	35,053	33,243	45,01
icensing of motor vehicles	is mill trinery	72	74	88	TMOD TO 9
Rates, excluding water rates	**************************************	1,268	1,627	2,233	2,58
Gross value added at factor cost	" -	250,895	259,811	359,259	474,15
Gross value added at factor cost per head	£	6,367	6,468	9,022	12,51

Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 90 per cent of employment within the industry. (a)

TABLE 2

Capital expenditure, 1973 - 1976 All United Kingdom establishments classified to the industry (a)(b)

All Olliton		1			£ thousand
The same	Wayes and estament (1)	1973	1974	1975	1976
Land and buildings			Success State	(pp) er	nem progress of fdl'
New building work		6,419	5,070	3,648	2,590
Land and existing building	ngs Marie Isto F				
Acquisitions		105	584	262	24
Disposals		202	224	1	-
Vehicles					
Acquisitions					
Motor cars		503	594)	598	632
Other vehicles		200	224)		8
Disposals					
Motor cars		216	191)	160	178
Other vehicles		7	5)		
Plant and machinery					
Acquisitions		20,633	19,175	21,245	25,844
Disposals		1,269	722	2,478	1,177
Total net capital exp	enditure	26,167	24,504	23,114	27,735

Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 90 per cent of employment within the industry.

TABLE 3

Stocks and work in progress, 1973 - 1976 All United Kingdom establishments classified to the industry (a)

	1973	1974	1975		1976
	e a right sample for the sample of the sampl	ocusa-nongeriutal y 1039	Increase	portagidades en a vala	Value at end of year
Materials, stores and fuel	2101910010 0112 04 bit	34,111	27,222	17,392	226,689
Work in progress	-1,009	4,543	4,015	-5,224	24,569
Goods on hand for sale	870	10,405	17,302	12,411	80,141
Total	1,037	49,060	48,539	24,579	331,399

Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 90 per cent of employment within the industry.

⁽b) Included with Sales of goods produced, work done and industrial services rendered.

⁽c) Details of manufacturers' sales of principal products are published regularly in Business Monitor PQ240.

⁽d) Included with purchases of materials for use in production, and packaging and fuel.

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

⁽f) 1973 figures include hire of vehicles.

⁽g) For 1973-1975 rents of industrial and commercial buildings were not recorded separately. For 1976 the amount payable was £1,363

⁽h) Included with other non-industrial services.

¹⁹⁷⁴⁻¹⁹⁷⁶ figures include the cost of hiring goods vehicles.

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

Analysis of establishments by size, 1976
All United Kingdom establishments classified to the industry (a)

Size group (b)	Estab- lish- ments	Enter- prises (c)	Employmer	nt		Wages and sal	aries (f)		I fina ten.
			Total (d)	Opera- tives	Others (e)	Operatives		Others (e)	Jid wasiA
						Total	per head	Total	per head
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£
1 - 10	5	5	24)						
11 - 19	3	3	42)	233	84	574	2,462	299	3,554
20 - 99	8	7	262)						
100 - 499	5	5	1,109	896	213	2,510	2,802	891	4,183
500 - 2,499	6	3	8,055	6,535	1,520	21,316	3,262	6,632	4,363
2,500 and over	6	4	28,402	21,578	6,824	64,251	2,978	30,065	4,406

Total	33	20	37,894	29,242	8,641	88,651	3,032	37,886	4,385

⁽a) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 employees.

Total sales and work done (g)	Gross output	Net output	eriage of total of folial and	Gross value added at factor cost	Value of the second	Net capital expenditure (h)	Total stocks and work in progress at end of year
		Total	per head	Total	per head		
£ thousand	£ thousand	£ thousand	Der cent of United Kingdom	£ thousand	f per cent of tunited tunited Kingdom	£ thousand	£ thousand
13,436	13,144	2,393	7,295	(j)	(j).	53	1,751
119,016	118,000	25,622	23,140	27,092(j)	18,853(j)	595	14,024
810,837	813,088	137,993	17,131	129,200	16,040	6,045	69,458
1,934,017	1,940,261	359,137	12,645	317,860	11,191	21,041	246,166

123111							
2,877,306	2,884,493	525,145	13,858	474,152	12,513	27,735	331,399
- Daniel							

The cost of employers' contributions to national insurance, graduated pensions, other pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £20,890 thousand.

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.

⁽d) Including working proprietors.

⁽e) Administrative, technical and clerical employees.

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

⁽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 1-499.

TABLE 6

PA240

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1976 All United Kingdom establishments classified to the industry

Area	Total employment	(a)	Net capital expenditure	(b)(c)	the region fr	gross value add rom returns rec more than 80 p region (d)	eived from	n establish
					Net output	Gross value added at factor cost	percer	oyment as a ntage of total nal employment industry
10 2	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	HO(1)	Edleado
Standard regions of England								
EXEL	1 58	10						
North			*					
Yorkshire and Humberside	•	+,500	827	213	2810			
East Midlands	896	UE96(8)95	unstains.	3,829,041,652	1 316 , SCA.	9.262 00	Estr.	
East Anglia	8 6,046 A	016/6/02	129926012	817,131 BEH.6	14,000 Cen. V	2978	COURT !	
South East	5.0	13.2	12,660	45.6	TELS	38s . 18s	1,840,1	
South West	*			*	•	*	*	
West Midlands	•	*				* (*	
North West	5.2	13.6	4,802	17.3	*	*	*	
England	26.2	69.1	22,727	81.9	*	*	*	
Wales		•				*	*	
Scotland		*		•		*		
Great Britain	•	•	•	•	*	*	*	
Northern Ireland	•	•	•				*	
Unallocated (e)	-	- "	-	_	97,715	87,377	_	
United Kingdom (b)	37.9	100.0	27,735	100.0	525,145	474,152		

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

(b) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 employees.

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 was made of the net output and gross value added attributable to the region only where more than 80 per cent of the establishment's employees were located in the region. The estimate was made by assuming that net output and gross value added at each address covered by a return was proportional to employment at the address.

(e) Unallocated net output and gross value added covering establishments with addresses in two or more regions, plus estimates for unsatisfactory returns, non-response and establishments exempt because of size.

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 20 or more persons, 1976

Accoun	ting year ended	Percentage of total retur	ns received	Percentage of t	otal number employed
- Taraba	hardather "har selal	per cent	AND THE PARTY SHEET SHEET	per cent	a A-Capas
1976	April (a)	0.0		0.0	
	May	0.0		0.0	
	June The State of	0.0	and the constant	0.0	
	July	0.0		0.0	
	August	0.0		0.0	
	September	5.0		0.1	
	October	45.0		62.0	
	November	0.0		0.0	
	December	25.0		32.6	
1977	January	0.0		0.0	
	February	0.0		0.0	
	March (b)	25.0		5.4	

(a) From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1977.

TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1976(a)

Sex	Full-time	Part-time	All employees	hecuben ed *Nout a fi
ET I ETPUBROQUES	per cent	per cent	per cent	en daernacerrect Seus daernacerrect
Male	44	mendactly _ebos bostand	44	
Female	48	determined with 8 Function	56	

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at end June, 1976.

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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 -PA1001 (Introductory Notes) of the Report on the Census of Production, 1976.

GENERAL INFORMATION

Changes made for 1976

The Census for 1976 is in line with similar inquiries being conducted in other member countries of the European Economic Communities. There was a small number of changes in the scope of the industry reports compared with 1975. These include separate headings for:

Sales of goods produced

Receipts for work done and industrial services rendered

Amounts paid for hire of plant and machinery Amounts paid for rent of industrial and commercial buildings

Specific changes are explained in the introductions to the industry reports or by footnotes to the tables.

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 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 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

Industrial classification United Kingdom Standard Industrial Classification (SIC) was first issued in 1948 and was subsequently revised in 1958 and 1968. exists to promote uniformity and comparability 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 SI reflects the organisation and structure 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 P01000

Statistical units

The statistical unit for the purpose of the Census is the establishment which is defined in the SIG 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 (e.g. steel making or sugar refining). Typically the establishment embraces all the activities carried on at a single address e.g. a farm, 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 singl business are carried on at a number of addresses, Where this is so, businesses are asked to provide the full range of separate information in respect of each address; whether or not the activities are different. Their activities may, however, 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 Separate figures are obtained of units). employment and net capital expenditure at each unit in order to compile regional tables. Efforts are made by the Business Statistics Office to ensure, by negotiating with respondents, the

the return from an establishment does not cover local units or addresses in more than one of the countries of the United Kingdom.

Further information about the statistical unl appeared in an article "The statistical unit in business inquiries" in Statistical News No.13 Ma

Establishments are asked to exclude from their returns particulars relating to any department no engaged in production e.g. merchanting, transport warehousing, for which they keep a separate set accounts. Transfers of goods produced to such departments are treated as sales and respondent are asked to value them as far as possible as Where separat sold to an independent purchaser. accounts are not kept they are asked to inclu details of all these activities in their return Particulars relating to head offices main engaged in the administration of the production units within the scope of the census wer included. Where more than one return was made the information in respect of the head office apportioned among them. For certain purposes in the annual censuses

production (especially the enterprise analyses of Rusiness Monitor PA1002) related establishments are combined. For these purposes an enterprise group may be defined as a business consisting of either a single establishment or two or more establishments under common ownership or control. Bringing together establishments 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 Information 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 and information supplied by individual establish-

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 manufacturing (or local) units which it

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. 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.

Establishments with 20 or more employees are included in the censuses each year and the information they supply to the census is supplemented by the returns that those with 25 or more employees provide to the quarterly inquiries. Information about establishments with fewer than 20 employees in most industries is less securely based, but increasing use has been made of data on these small establishments supplied by the Department of Employment. One benefit of using this information is an improvement in the estimates of the number of smaller establishments and enterprises, but there is little effect on other aggregates (e.g. employment, output, net capital expenditure).

A return was required in the 1976 Census from each establishment with 20 or more employees. Each establishment is classified to an industry, as defined in the SIC, whose principal products form the major part of the establishment's sales.

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 number of persons on the payroll on average during the year of return, whether full-time or part-time employees. 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. Outworkers (i.e. persons employed by establishments who worked in their own homes etc. on materials supplied by the establishment) are excluded. 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 under this heading: directors paid by fee only are not included.

Emp loyees

Administrative, technical and clerical employees include directors in receipt of a definite wage, salary or commission, managers, superintendents 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 They include operatives employed in earners. power stations, transport (including roundsmen), stores, shops and canteens, maintenance workers and cleaners. warehouses. Operatives engaged in outside work of erecting, fitting etc. are also included, but outworkers are excluded.

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 employees were asked to include a total net capital expenditure figure for each calendar year.

(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 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 non-deductible 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.

Cost of industrial services

This includes amounts payable to other firms for work done on materials supplied by the establishment, payments for repairs and maintenance (including those in respect of rented buildings) and amounts paid to other firms for contracts which have been sublet. Payments to outworkers are excluded.

Cost of non-industrial services

This includes rent of industrial and commercial buildings, hire of plant and machinery, commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport, advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc., manufacturing 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 work in progress and 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.

et 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, but excluding outworkers.

Gross value added at factor cost
Gross value added at factor cost is calculated by
deducting from net output the cost of nonindustrial services (e.g. rent of buildings, hire
of plant and machinery, commercial insurance
premiums, bank charges and amounts paid for
professional services, post office services,
transport 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, but excluding outworkers.

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 establishment when working on goods supplied by customers; and of food, etc. for any canteen covered by the establishment's return. 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 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 c.i.f. 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 goods made by establishments in the United Kingdom covered by the inquiry. Sales of goods made for these establishments by outworkers or 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

The value shown for sales is the "net selling value" defined as the amount (excluding value added tax) 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. In industries where products attract Excise Duty the value stated is usually inclusive of duty if sold duty-paid and exclusive of duty if sold in bond or exported.

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 repair work. Within certain

industries this heading covers a wide variety of ctivities, for example, within the food sector - unter packed on commission; within the textile ndustries - making up of garments, fur dressing and textile finishing; within printing and pubshing - preparatory work on type-setting, block aking and binding. Work done is also significant in the electrical machinery and heavy engineering ndustries, covering erection, installation and epair and jobbing work. Other activities within his heading include exploration work, research and evelopment, glass cutting and dressing and planing of timber.

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

apital goods produced for establishments' own use this includes all work of a capital nature carried but during the year by the establishments' own that for their own use.

n-industrial services rendered
Is includes rents received for commercial and
dustrial buildings, amounts charged for hiring
t plant, machinery and other goods and amounts
arged to other organisations for the provision of
ansport. It also includes amounts received for
e right to use patents, trademarks, copyrights
c., manufacturing and quarrying rights and techcal "know-how" and revenue from such staff

ds merchanted or factored

ilities as canteens.

rchanted goods are those (excluding canteen les) sold without having been subjected to any nufacturing process by the seller.

ocks and work in progress

alues are given of stocks of goods on hand for ale and of materials, stores and fuel, at the end of the year of return and of the change during the ear, including any stocks of goods held for exchanting or factoring. Work in progress is effined as materials which have been partially rocessed by the establishment but which are not shally sold or transferred to another establishment without further processing. The values include the cost of materials consumed and labour sed, together with a margin of overhead costs and rofits. Progress payments made to subsectived from other organisations are not adducted.

ges and salaries

plese are amounts paid during the year to peratives and to administrative, technical and derical employees. Payments to working oprietors, whether called salaries or not, are coluded. The values shown include all overtime ayments, bonuses and commissions, whether paid ayments, bonuses and commissions, whether paid ayments, insurances, contributory pensions etc. No value of redundancy payments less any amounts almbursed from Government sources is included. We value of any payments in kind, travelling openses etc. is excluded.

uneration paid to outworkers
remuneration paid to outworkers (i.e. persons
loyed by the establishment who do their work in

heir own homes) is generally on a piece-work lasis. Only amounts paid to outworkers whose names papear on the establishment's payroll are included. mounts paid to outworkers by sub-contractors are occluded.

imployers' insurance and welfare contributions
his item includes employers' contributions to
national insurance and graduated pensions (and/or
national insurance and contributions under the

Social Security Act, 1973) 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.

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