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1976



Business Statistics Office

Business Monitor

Report on the Census of Production

Production of man-made fibres

A publication of the Government Statistical Service

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. These Business Monitors have a code P (for production) followed first by A (indicating that it is an annual series) 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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Business Monitor

A publication of the Government Statistical Service

Report on the Census of Production 1976

Production of man-made fibres

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

Introductory notes

Stone and slate quarrying and mining

Chalk, clay, sand and gravel extraction

Coal mining

PA101

PA103

PA104

PA211

PA212

PA369.1	Electrical equipment for motor vehicles, cycles and aircraft
PA369.2	Primary and secondary batteries
PA369.4	Electric lamps, electric light fittings, wiring

Petroleum and natural gas accessories, etc.

Miscellaneous mining and quarrying PA370 Shipbuilding and marine engineering Grain milling PA380 Wheeled tractor manufacturing Bread and flour confectionery PA381.1 Motor vehicle manufacturing

PA213 Biscuits PA381.2 Trailers, caravans and freight containers
PA214 Bacon curing, meat and fish products PA382 Motor cycle, tricycle and pedal cycle manufacturing
PA215 Milk and milk products PA383 Aerospace equipment manufacturing and repairing
PA216 Sugar PA384 Locomotives, railway track equipment, railway carriages,

PA217 Cocoa, chocolate and sugar confectionery
PA218 Fruit and vegetable products
PA219 Animal and poultry foods

PA390 PA391 Hand tools and implements

wagons and trams
Engineers' small tools and gauges
Hand tools and implements

PA219 Animal and poultry foods PA391 Hand tools and implements
PA221 Vegetable and animal oils and fats PA392 Cutlery, spoons, forks and plated tableware, etc.
PA229.1 Margarine PA393 Bolts, nuts, screws, rivets, etc.

PA229.2 Starch and miscellaneous foods PA394 Wire and wire manufactures Cans and metal boxes PA395 PA231 Brewing and malting Jewellery and precious metals PA396 PA232 Soft drinks Metal furniture Spirit distilling and compounding PA399 PA399.5 Drop forgings, etc.

PA239.2 British wines, cider and perry
PA399.5 Drop forgings, etc.
PA240 Tobacco
PA261 Coke ovens and manufactured fuel
PA262 Mineral oil refining
PA411 Production of man-made fibres

PA263 Lubricating oils and greases
PA212 Spinning and doubling on the cotton and flax systems
PA271.1 Inorganic chemicals
PA271.2 Organic chemicals
PA271.2 Organic chemicals
PA413 Weaving of cotton, linen and man-made fibres
PA271.2 Organic chemicals
PA414 Woollen and worsted

PA271.3 Miscellaneous chemicals
PA272 Pharmaceutical chemicals and preparations
PA273 Toilet preparations
PA274 Paint
PA275 Soap and detergents
PA276 PA278 PA278

Soap and detergents
Synthetic resins and plastics materials and
synthetic rubber

PA418
Lace
PA419
Carpets
PA421
Narrow fabrics

PA277 Dyestuffs and pigments
PA422.1 Household textiles and handkerchiefs
PA278 Fertilizers
PA422.2 Canvas goods and sacks and other made-up textiles
PA429.1 Polishes
PA423 Textile finishing

PA279.2 Formulated adhesives, gelatine, etc.
PA429.1 Asbestos
PA429.2 Miscellaneous textile industries
PA429.2 Miscellaneous textile industries

PA279.4 Formulated pesticides, etc.
PA431 Leather (tanning and dressing) and fellmongery
PA279.5 Printing ink
PA279.6 Surgical bandages, etc.
PA431 Leather (tanning and dressing) and fellmongery
Leather goods
Fur

PA279.7 Photographic chemical materials
PA311 Iron and steel (general)
PA312 Steel tubes
PA441 Weatherproof outerwear
PA442 Men's and boys' tailored outerwear
PA443 Women's and girls' tailored outerwear

PA312 Steel tubes Worlden's and grins tailored outerwear PA443 Worlden's and grins tailored outerwear PA443 Worlden's and grins tailored outerwear PA443 Iron castings, etc.
PA321 Iron castings, etc.
PA322 Copper, brass and other copper alloys
PA443 Copper, brass and other copper alloys
PA444 Occupational PA445 Iron castings and grins tailored outerwear PA445 Iron castings and grins tailored outerwear PA445 Iron castings, etc.
PA444 Occupational PA445 Iron castings, etc.
PA445 Iron castings, etc.
PA445 Iron castings, etc.
PA446 Iron castings, etc.
PA446 Iron castings, etc.
PA446 Iron castings, etc.
PA447 Iron castings, etc.
PA446 Iron castings, etc.
PA446 Iron castings, etc.
PA446 Iron castings, etc.
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PA446 Iron castings, etc.
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PA446 Iron castings, etc.
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PA447 Iron castings, etc.
PA448 Iron castings, etc.
PA448 Iron castings, etc.
PA448 Iron castings, etc.
PA449 Iron castings, etc.
PA449 Iron castings, etc.
PA449 Iron castings, etc.
PA449 Iron castings, etc.
PA440 Iron

PA322 Copper, brass and other copper alloys
PA323 Miscellaneous base metals
PA331 Agricultural machinery (except tractors)
PA332 Metal-working machine tools
PA333.1 Pumps
PA449.1 Corsets and miscellaneous dress industries
PA449.2 Gloves
PA450 Footwear
PA450 PA461.1 Refractory goods

PA333.1 Pumps
PA333.2 Valves
PA333.3 Compressors and fluid power equipment
PA334 Industrial engines
PA35 Textile machinery and accessories
PA36 PA461 Refractory goods
PA461.1 Refractory goods
PA461.2 Building bricks and non-refractory goods
PA461.2 Building bricks and non-refractory goods
PA461.3 Glass
PA462 Pottery
PA463 Class
PA464 Cement

PA336 Textile machinery and accessories
PA367 Construction and earth-moving equipment
PA378 Mechanical handling equipment
PA38 Office machinery
PA38. Office machinery
PA39.1 Mining machinery
PA39.1 Mining machinery
PA469.2 Certent
PA469.1 Abrasives
PA469.2 Miscellaneous building materials and mineral products
PA471 Timber
PA472 Furniture and upholstery

PA339.2 Printing, bookbinding and paper goods machinery
PA339.3 Refrigerating machinery, space-heating,
ventilating and air-conditioning equipment
PA339.5 Scales and weighing machinery and portable
PA479 Miscellaneous wood and cork manufactures

PA339.5 Scales and weighing machinery and portable power tools
PA39.7 Food and drink processing machinery and packaging and bottling machinery packaging and bottling machinery packaging and bottling machinery packaging products of paper and associated materials

packaging and bottling machinery
PA39.9 Miscellaneous (non-electrical) machinery
PA341 Industrial (including process) plant and steelwork
PA342 Ordnance and small arms
PA349.1 Ball, roller, plain and other bearings
PA485 Printing, publishing of newspapers and periodicals

PA349.1 Ball, roller, plain and other bearings
PA349.2 Precision chains and other mechanical engineering
PA351 Photographic and document copying equipment
PA352 Watches and clocks
PA485 Printing, publishing of newspapers and periodicals
PA489 General printing and publishing
PA491 Rubber
PA492 Linoleum, plastics floor-covering, leathercloth, etc.

PA352 Watches and clocks
PA353 Surgical instruments and appliances
PA354 Scientific and industrial instruments and systems
PA361 Electrical machinery
PA362 Insulated wires and cables
PA362 Linoleum, plastics floor-covering, leath
PA493 Brushes and brooms
PA494.1 Toys, games and children's carriages
PA494.3 Sports equipment
PA362 Miscellaneous stationers' goods

Telegraph and telephone apparatus and equipment PA496 Plastics products

Hadio and electronic components PA499.2 Miscellaneous manufacturing industries

PA364 Radio and electronic components PA499.2 Miscellaneous manufacturing industries
PA365.1 Gramophone records and tape recordings PA500 Construction
PA366.2 Provident receiving and cound reproducing

PA365.1 Gramophone records and table recordings

PA365.2 Broadcast receiving and sound reproducing
equipment

PA366 Electronic computers
PA367 Radio, radar and electronic capital goods
PA368 Electrical appliances primarily for domestic use

PA368 Constitution
PA360 Constitution
PA360 Gas
Electricity
PA360 Water supply
PA367 Radio, radar and electronic capital goods
PA368 Electrical appliances primarily for domestic use

PA411 PRODUCTION OF MAN-MADE FIBRES

The information in this report relates to establishments classified to the Man-made fibres industry, minimum list heading 411 in the Standard Industrial Classification (revised 1968). The activities of the industry include:—

Manufacturing staple fibre and continuous filament yarn by extrusion. The preparation of continuous filament yarn for weaving or knitting (doubling, twisting, winding, etc.) is included when carried out at the same establishment.

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

LIST OF CONTENTS

Table No	Title						Page
1 202,0	Output	t and costs, 1973 -	1976				2
2	Capital	expenditure, 1973	3 - 1976				3
3	Stocks	and work in progr	ess, 1973 - 1976				3
4	Analys	is of establishment	ts by size, 1976				4-5
5	Region at facto	al distribution of e or cost, 1976	employment, net	capital expenditure	e, net output and gross	value added	6
6	Percent Kingdo	tage analysis of two m establishments of	elve-month perio employing 20 or	ds covered by retur more persons, 1976	ns received from United	Selbrit bevolume tedmun	7
7	Percent	tage analysis of em	ployees, by full a	and part-time emplo	oyment and sex, 1976		7

PA411

Output and costs, 1973 - 1976

All United Kingdom establishments classified to the industry (a)

	Unit	1973	1974	1975	1976
Enterprises Control of the Control o	Number	19	27	35	38
Establishments	ses emise and se au	33	43	52	55
Sales of goods produced	£ thousand	519,993	611,304	613,405	775,273
Receipts for work done and industrial services rendered	no sonammes ded "	(b)	(b)	(b)	(b)
Capital goods produced for establishments' own use	,,	5,837	5,955	4,038	3,134
Non-industrial services rendered	"	4,548	6,165	5,620	6,199
Goods merchanted or factored	"	13,379	18,836	13,542	21,486
Total sales and work done (c)	,,	543,758	642,261	636,606	806,091
Increase during the year, work in progress and goods on hand for sale	"	-1,338	36,506	22,594	8,421
Gross output	"	542,420	678,767	659,200	814,513
Purchases of materials for use in production, and packaging and fuel		243,110	364,601	364,140	451,903
Purchases of goods for merchanting or factoring	"	13,070	(d)	12,109	18,779
Increase during the year, stocks of materials, stores and fuel	"	3,128	14,754	-1,176	1,320
Cost of industrial services received	"	18,319	35,022	25,083	29,898
Net output	"	271,049	293,899	256,692	315,252
Total employment (e)	Thousands	44.2	42.5	40.1	40.9
Net output per head	£	6,129	6,917	6,403	7,704
Payments for non-industrial services					
Rents, hire of plant and machinery (f)(g)	£ thousand	4,912	6,293	7,228	8,107
Commercial insurance premiums	"	1,739	2,622	3,933	4,512
Bank charges	"	70	63	91	90
Other non-industrial services (h)	"	22,429	33,953	39,279	43,706
Licensing of motor vehicles	"	61	63	86	87
Rates, excluding water rates	"	2,355	3,412	4,228	4,914
Gross value added at factor cost	"	239,483	247,492	201,846	253,837
Gross value added at factor cost per head	£	5,415	5,825	5,035	6,203

- Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 99 per cent of employment within the industry.
- Included with Sales of goods produced. (b)
- (c) Details of manufacturers' sales of principal products are published regularly in Business Monitor PQ411.
- (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.
- For 1973-1975 rents of industrial and commercial buildings were not recorded separately. For 1976 the amount payable was (g) £4,688 thousand.
- 1974-1976 figures include the cost of hiring goods vehicles.

TABLE 2

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

					£ thousand
Carrier Garrier Copies		1973	1974	1975	1976
Land and buildings				nents (a)	end of year
New building work		5,005	4,251	3,812	1,770
Land and existing building	js taged				
Acquisitions		28	774	173	265
Disposals		109	494	397	47
Vehicles					
Acquisitions					
Motor cars		287	294)		
Other vehicles		138	501 }	569	476
Disposals					
Motor cars		132	85)	114	180
Other vehicles		4	8)	1902	180
Plant and machinery					
Acquisitions		38,492	32,894	33,916	27,336
Disposals		613	786	2,651	876
Total net capital expen	diture	43,092	37,342	35,308	28,743

- (a) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 99 per cent of employment within the industry.
- (b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is

TABLE 3

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

					£ thousand
239,84 172,534,513 69	1973	1974	1975	80 DR.P45 88	1976
and others and several as West	as Harlbara tine sknock	etrory fatures, non re	Increase	Wildes for wardening	Value at end of year
Materials, stores and fuel	3,128	14,754	−1,176	1,320	39,529
Work in progress	548	7,010	2,916	4,644	26,657
Goods on hand for sale	-1,886	29,496	19,678	3,777	86,323
Total	1,790	51,261	21,418	9,741	152,509

Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 99 per cent of employment within the industry.

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

Size group (b)	Estab- lish- ments	Enter- prises (c)	Employmen	nt		Wages and sa	laries (f)		trin brus	
			Total Opera-		Others (e)	Operatives	Operatives		Others (e)	
			(d)	lives	(6)	Total	per head	Total	per head	
A Section of the second	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£	
1 - 10	19	19	95)							
11 - 19	5	5	71)	536	110	1,396	2,605	452	4,106	
20 - 99	11	11	492)							
100 - 749	7	5	3,031	2,273	758	8,603	3,785	3,305	4,360	
750 - 1,499	6	3	7,685	6,300	1,385	20,237	3,212	6,023	4,349	
1,500 and over	7	3	29,545	23,097	6,448	85,630	3,707	33,591	5,210	

Total	55	38	40,919	32,206	8.701	115.866	3.598	43.371	4.985

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

(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.

Total sales and work done (g)	Gross output	Net output	regard notal to take	Gross value added at factor cost	in in	Net capital expenditure (h)	Total stocks and work in progress at end of year
s as memyol- ista to bears mamorous later		Total	per head	Total	per head		
£ thousand	£ thousand	£ thousand	£ par cent of United Linguisting	£ thousand	£	£ thousand	£ thousand
Section							
14,584	14,171	3,809	5,788	(j)	(j)	485	1,908
200000							
112,176	106,397	32,515	10,728	28,787(j)	7,803(j)	3,436	22,798
129,334	129,303	50,359	6,553	44,432	5,782	4,605	25,497
549,997	564,641	228,569	7,736	180,618	6,113	20,217	102,306

_	
15)	
(1)	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 £22,245 thousand.
	ossis of carrieons, is estimated for the industry at 122,240 thousand.

253,837

6,203

28,743

152,509

7,704

315,252

806,091

814,513

⁽g) 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 1-749.

PA411

TABLE 6

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 Montane	Total employme	nt (a)	Net capital expenditure	(b)(c) Net output, gross value added and employmer the region from returns received from establishments with more than 80 per cent of their emment in the region (d)					
					Net output		F		
					Net output	Gross value added at factor cost	percenta	Employment as a percentage of total regional employment	
- britanest 3	has such a	200	Dramman et al.	- Annahaman	C showards 2	bnes	in the in	dustry	
	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand			
Standard regions of									
England									
North		* 009							
					3,800	11	1,01		
Yorkshire and Humberside									
numberside	6.6	16.2	5,988	20.8	*	*	*		
East Midlands	100 to 10	Distance *	ASSESSED UNITED STATES	1.018	20.237	4,212	8.073		
F . A .:						A B	2,007		
East Anglia	308,A	\$81,8	44,432	saa,a	60.08	* 80	* 129.3		
South East	0.2	0.5	68	0.2					
South West	20,217			7.738			564,6		
South West		*	*	*	*	*	*		
West Midlands	*	*	*	*		*			
North West									
Worth Wost						*	•		
England	*	*	*	*	*				
Wales	*	*	*	*	*				
Scotland				*	*				
Great Britain	31.6	77.3	20,852	72.6	79,903	65,458	34.2		
Northern Ireland	9.3	22.7	7,891	27.4	79,468	67,187	100.0		
Unallocated (e)	_			_	155,881	121,192	100.0		
United Kingdom (b)	40.9	100.0	28,743	100.0	315,252	253,837			

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

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. (c)

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

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	al returns received	Percentage of total	al number employed
	a pertinu ait to and	per cent	10 10 20 20	per cent	CONTRACTOR INTO
1976	April (a)	0.0		0.0	
	May	3.6		0.1	
	June	0.0		0.0	
	July	0.0		0.0	
	August	3.6		0.1	
	September	0.0		0.0	
	October	0.0		0.0	
	November	0.0		0.0	
	December	50.0		54.5	
1977	January	0.0		0.0	
	February	0.0		0.0	
	March (b)	42.9		45.3	

(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 per cent	Part-time per cent	All employees	
			per cent	SO 11 10 5 11
Male	87	The Broot has bereton	87	
Female	11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	13	

Source: Department of Employment

PA411

(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
- R 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

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 PQ1000.

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 (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 single 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, 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 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 to ensure, by negotiating with respondents, that 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 unit appeared in an article "The statistical unit in business inquiries" in Statistical News No.13 May

Establishments are asked to exclude from their returns particulars relating to any department not engaged in production e.g. 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 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 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 establishments.

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.

ment 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).

Coverage

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.

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 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 "self-employed" 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.

Employee

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 earners. They include operatives employed in power stations, transport (including roundsmen), warehouses, stores, shops and canteens, inspectors, maintenance workers and cleaners. 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 more 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.

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, 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 non-industrial 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 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 departof 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 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 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 of 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 activities, for example, within the food sector -butter packed on commission; within the textile industries - making up of garments, fur dressing and textile finishing; within printing and publishing - preparatory work on type-setting, block making and binding. Work done is also significant in the electrical machinery and heavy engineering industries, covering erection, installation and repair and jobbing work. Other activities within this heading include exploration work, research and development, glass cutting and dressing and planing of timber.

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 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 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 year, including any stocks of goods held for 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, together with a margin of overhead costs and profits. Progress payments made to subcontractors 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 clerical employees. Payments to working 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.

emuneration paid to outworkers

The remuneration paid to outworkers (i.e. persons employed by the establishment who do their work in their own homes) is generally on a piece-work basis. Only amounts paid to outworkers whose names appear on the establishment's payroll are included. Amounts paid to outworkers by sub-contractors are excluded.

Employers' insurance and welfare contributions
This item includes employers' contributions to
national insurance and graduated pensions (and/or
earnings related basic 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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