PA277

1978

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**Business Statistics Office** 

**Business Monitor** 

Report on the Census of Production

Dyestuffs and pigments



HMSO

A publication of the Government Statistical Service

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## PA277

# **Business Monitor**

A publication of the Government Statistical Service

Report on the Census of Production 1978

## Dyestuffs and pigments

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

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PA351	Photographic and document copying equipment	PA491	Rubber
PA352	Watches and clocks	PA492	Linoleum, plastics floor-covering, leathercloth, etc.
PA353	Surgical instruments and appliances	PA493	Brushes and brooms
PA354 PA361	Scientific and industrial instruments and systems	PA494.1	Toys, games and children's carriages Sports equipment
PA362	Electrical machinery Insulated wires and cables	PA494.3	Miscellaneous stationers' goods
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PA364	Radio and electronic components		Miscellaneous manufacturing industries
PA365.1	Gramophone records and tape recordings	PA500	Construction
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	equipment Electronic computers	PA602	Electricity Water supply
PA365.2 PA366 PA367	equipment Electronic computers Radio, radar and electronic capital goods	PA603	Water supply Summary tables

## PA277 DYESTUFFS AND PIGMENTS

PA277

The information in this report relates to establishments classified to the Dyestuffs and pigments industry, minimum list heading 277 in the Standard Industrial Classification (revised 1968). The activities of the industry include:—

Manufacturing synthetic dyestuffs, including dyestuffs, intermediates, vegetable dyes and tanning extracts, pigment dyestuffs and lakes and inorganic pigment colours. Confectioners' colours are excluded and are classified to minimum list heading 271.3 reported in part PA271.3

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 2

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

	Unit	1974	1975	1976	1977	1978
Enterprises	Number	78	80	75	72	83
Establishments		87	94	85	81	92
Sales of goods produced	£ thousand	373,927	340,557	457,896	541,465	531,339
Receipts for work done and industrial ervices rendered		(b)	(b)	12,401	15,424	(b)
Capital goods produced for establishments' own use	,,	4,775	7,090	7,337	.9,134	10,882
Non-industrial services rendered	"	2,235	1,946	3,673	3,974	4,020
Goods merchanted or factored	"	33,146	29,852	36,429	43,185	44,878
Total sales and work done (c)		414,083	379,445	517,737	586,182	591,119
ncrease during the year, work in rogress and goods on hand for sale	,,	34,130	2,240	18,930	24,526	8,082
Gross output	"	448,213	381,684	536,667	610,709	599,202
Purchases of materials for use in pro- luction, and packaging and fuel	,,	204,991	151,767	216,734	272,061	269,830
urchases of goods for merchanting or actoring	"	30,402	27,420	35,254	40,482	40,480
ncrease during the year, stocks of naterials, stores and fuel	,,	16,104	-4,050	11,173	7,981	2,437
ost of industrial services received	"	9,195	7,029	10,429	14,760	15,638
Net output	"	219,728	191,418	285,423	291,387	275,692
otal employment (d)	Thousands	24.0	20.9	20.4	20.0	19.3
Net output per head	£	9,169	9,156	14,001	14,541	14,271
ayments for non-industrial services						
Hire of vehicles, plant and machinery	£ thousand	1,180	730	976	1,552	1,807
Rents of industrial and commercial buildings	"	(e)	(e)	163	173	304
Commercial insurance premiums	"	1,964	1,942	2,317	2,590	3,239
Bank charges	"	106	87	111	158	174
Other non-industrial services	"	12,743	7,786	11,683	15,161	16,084
icensing of motor vehicles	"	33	35	43	48	59
ates, excluding water rates	"	2,714	3,211	3,500	3,725	4,162
Gross value added at factor cost		200,987	177,628	266,630	267,980	249,862
Gross value added at factor cost per head	£	8,387	8,496	13,079	13,373	12,934

<sup>(</sup>a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. Satisfactory returns accounted for 97 per cent of employment within the industry.

Capital expenditure, 1974—1978 All United Kingdom establishments classified to the industry (a)(b)

					£ thousand
	1974	1975	1976	1977	1978
Land and buildings					
New building work	3,518	6,689	5,545	7,038	7,108
Land and existing buildings					
Acquisitions	356	98	191	208	1,386
Disposals	117	271	671	49	189
Vehicles					
Acquisitions	531	637	913	1,021	1,361
Disposals	156	107	197	251	333
Plant and machinery					
Acquisitions	18,649	28,916	41,911	56,029	69,656
Disposals	261	309	11,745	170	523
Total net capital expenditure	22,520	35,654	35,947	63,827	78,466

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

TABLE 3

Stocks and work in progress, 1974–1978

All United Kingdom establishments classified to the industry (a)

The state of the s						£ thousar	nd	
	1974	1975	1976	1977		1978	В	
			Increase			Value at end of year	_	
faterials, stores and fuel	16,104	-4,050	11,173	7,981	2,437	62,340		
ork in progress	2,612	1,068	3,293	3,608	1,583	20,588		
oods on hand for sale	31,518	1,172	15,637	20,919	6,499	121,720		
Total	50,234	-1,811	30,103	32,508	10,520	204,648		

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

<sup>(</sup>b) Included in sales of goods produced.

<sup>(</sup>c) Details of manufacturers' quarterly sales of principal products are published regularly in Business Monitor PO277.

<sup>(</sup>d) Average number employed, including full and part-time employees (see table 7) and working proprietors.

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

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

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

Size group (b)	Estab- Enter- lish- prises ments (c)		Employment			Wages and salaries (f)			
			Total (d)	Opera- tives	Others (e)	Operatives		Others (e)	
				tives		Total	per head	Total	per head
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£
1-10	43	41	205 )						
11–19	13	13	190)	635	431	2,457	3,869	1,972	4,575
20-49	10	10	300)	033	431	2,407	0,000	,,,,,_	1,070
50-99	6	6	415)						
100-199	5	5	729	466	263	2,041	4,380	1,284	4,882
200-299	3	3	745	344	401	1,439	4,183	1,722	4,294
300-499	3	3	1,331	623	708	2,326	3,734	3,160	4,463
500-999	4	4	2,954	1,734	1,220	6,719	3,875	5,570	4,566
1,000 and over	5	4	12,449	8,435	4,014	41,428	4,911	27,758	6,915

Total	92	83	19,318	12,237	7,037	56,411	4,610	41,466	5,893

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

Total sales and work done (g)	Gross output Net output			Gross value added at factor cost		Net capital expenditure (h)	Total stocks and work in progress at end of year
		Total	per head	Total	per head		
£ thousand	£ thousand	£ thousand	£	£ thousand	£	£ thousand	£ thousand
34,438	34,845	12,865	11,590	(j)	(j)	1,212	7,855
							•
24,278	24,572	11,721	16,078	21,683(j)	11,791(j)	719	4,174
23,924	23,694	7,735	10,383	6,095	8,181	1,213	6,221
27,125	27,906	11,891	8,934	10,315	7,750	3,502	8,416
80,159	81,936	33,341	11,287	30,154	10,208	4,447	29,286
401,195	406,249	198,139	15,916	181,614	14,589	67,373	148,697

591,119	599,202	275,692	14,271	249,862	12,934	78,466	204,648

<sup>(</sup>f) The cost of employers' contributions to national insurance, pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £ 22,853 thousand.

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

<sup>(</sup>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.

<sup>(</sup>d) Including working proprietors.

<sup>(</sup>e) Administrative, technical and clerical employees.

<sup>(</sup>g) 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.

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

<sup>(</sup>j) Gross value added data relate to establishments employing 1–199.

TABLE 6

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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	*	*	*	*	*	*	*	
Yorkshire and Humberside	7.4	38.2	20,321	25.9	103,487	92,586	33.4	
East Midlands	0.4	1.8	281	0.4	5,725	5,108	35.8	
East Anglia	*	*	*	*	*	*	*	
South East	1.5	8.0	2,797	3.6	18,738	16,623	62.8	
South West	*	*		*	*	*	*	
West Midlands	*		*	*	*	*	*	
North West	3.4	17.4	12,000	15.3	47,724	43,401	27.3	
England	15.3	79.3	58,719	74.8	207,659	185,745		
Wales	*	*	*	*		*		
Scotland		*	*	*	*	*	*	
Great Britain		*	*	*	*	*		
Northern Ireland	•	*		*	*	*	*	
United Kingdom	19.3	100.0	78,466	100.0	275,692	249,862		

(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.

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

Accoun	ting year ended	Percentage of total returns received	Percentage of total number employed
	A TO SEE AND A SECOND	per cent	per cent
978	April (a)		
	May		
	June	3.0	0.4
	July		-
	August		
	September	-	
	October	3.0	7.2
	November	3.0	0.1
	December	72.7	85.4
979	January	3.0	0.2
	February		
	March (b)	15.2	6.7

(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	84	_	84	
Female	13	3	16	

Source: Department of Employment

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

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

	Unit	. 1977	1978
Gross output per head	£	30,476	31,018
Net output per head	£	14,541	14,271
Gross value added per head	£	13,373	12,934
Gross value added as a percentage of gross output	%	44	42
Ratio of gross output to stocks		3.1	2.9
Wages and salaries as a percentage of gross value added	%	33	39
Ratio of operatives to administrative, technical and clerical employees		1.9	1.7
Wages and salaries per administrative, technical and clerical employee	£	5,090	5,893
Wages and salaries per operative	£	4,031	4,610
Net capital expenditure per head	£	3,185	4,062
Net capital expenditure as a percentage of gross value added	%	24	31

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

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

osus of Production, 1978.

#### GENERAL INFORMATION

### changes made for 1978

the Census for 1978 is in line with similar inquiries being onducted in other member countries of the European Economic formmunities.

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. This will provide register information for use in related inquiries into leasing.

uppression of information relating to individual undertakings on 9(5)(b) of the Statistics of Trade Act 1947 states the following provisions shall have effect with respect to any port, summary or other communication to the public of rmation 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". a figure involved disclosure the contributor concerned was etimes asked to give permission for its publication. In the ority of cases permission was given. When it was refused and ere contributors were not approached the figure has been pressed, either by combining it with other figures, or as in the onal tables, by omitting the figure altogether.

#### mbols used

he following symbols are used throughout the PA series of usiness 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

#### ounding of figures

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

#### dustrial classification

The United Kingdom Standard Industrial Classification (SIC) was irst issued in 1948 and was subsequently revised in 1958 and 968. It exists to promote uniformity and comparability in the inficial statistics of the United Kingdom. The general principles ollowed are those of the International Standard Industrial classification of all Economic Activities of the United Nations latistical Office but the United Kingdom SIC reflects the ganisation and structure of industry and trade as it exists in the united Kingdom. The SIC is a classification by activity and is of a commodity classification. However, an index of all commodity eadings for which sales data are provided in the Quarterly Business Monitors, is published in Business Monitor PQ 1000.

#### tatistical unite

he 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 making or sugar refining). Typically the 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 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. New additions to the register are obtained from various sources including the Department of 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.

#### Coverage

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.

Produced in Wales by Her Majesty's Stationery Office Reprographic Unit, Cardiff Dd. 699517 K6 Cdf 346 7/80

#### 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. Full-time and part-time employees are included but outworkers (ie 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.

#### Employees

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 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 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 leasing.

#### (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 subjet. Payments to outworkers are excluded.

#### 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 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 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, but excluding outworkers.

#### Purchase

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

stomers; and of food, etc for any canteen covered by the tablishment's return. Transfers of goods to the establishment another department of the same firm not covered by the tablishment's return are included at a cost corresponding to the mated selling value recorded by the other department. Amounts vable to transport firms or credited to the firm's own transport partment for delivery of materials are excluded, as are all chases of machinery and plant charged to capital account. chases of goods for merchanting or factoring have been ected separately since 1973. The values shown exclude VAT. ev include, in addition to the actual purchase price, the value packaging material charged to the establishment. The value of med goods or packaging material returned to suppliers and any ade discounts are excluded. Materials purchased duty-paid are uded at their duty-paid value, less any drawback, rebate, etc. e cost of transport is included only if it is included with the chase price in the firm's accounts. Imported goods are included their full delivered cost. If in the firm's accounts the transport docks or airport is not included in the cost of goods purchased. e cost is entered at cif plus duty (if applicable). Leasing, ing and hire purchase charges are excluded.

#### Sales of goods produced

ales for the purposes of the annual censuses means deliveries on e of goods made by establishments in the United Kingdom ered by the inquiry. Sales of goods made for these establishments outworkers or by other establishments from materials given out hem and sales of waste products are included. New building rk and machinery or other capital items produced by establishents for hiring out or leasing are regarded as sales, the value uded in the return being that adopted in the establishments' oital asset accounts. Forward sales and canteen takings are excluded. sales in the period of the inquiry are included irrespective of en the goods were manufactured. Goods produced in one tablishment and transferred either to ancillary departments not gaged in production for which there are separate accounts, or to ner establishment of the same firm not covered by the return, treated as sales by the producing establishment and valued as as possible as if they had been sold to an independent purchaser. ods transferred to wholesale or retail selling organisations, for 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. 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.

#### 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 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 lobbing 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, instalation 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 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. 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 included.

#### Remuneration paid to outworkers

The remuneration paid to outworkers (ie 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 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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