

PA256

OS/42 (HA251)

42
R834

1980

PA256

Paints, varnishes and printing ink

BRITISH LIBRARY
2 OCT 1982
OF POLITICAL AND
ECONOMIC SCIENCE

Business Statistics Office

Business Monitor

Report on the Census of Production

Specialised chemical
products mainly for
industrial and
agricultural purposes



A publication of the Government Statistical Service

HMSO

net

PA256

Business Monitor

A publication of the Government Statistical Service

PRICE INCREASES

Prices of Business Monitors in 1982 have been set to make some contribution for the first time to the costs incurred at the Business Statistics Office in the preparation of Monitors.

SPECIAL NOTE FOR PURCHASERS

Reports on the Census of Production for separate industries are being published in the Business Monitor series. These Monitors have a code P (for production) followed by A (indicating an annual series) and then by a number indicating the industry covered by the report.

Commencing with the 1980 census, the first Annual Census of Production to be conducted on the Standard Industrial Classification (Revised 1980), separate reports will in general appear for each 3 digit Group of the new classification. Results for 1980 will include 1979 back data but more detailed 1979 figures based on the new classification will be published as a single separate Business Monitor (PA1002.1). This will also include the results of the 1979 Purchases Inquiry. Reports on the Census of Production for the years prior to 1980 are available at 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 from HMSO, PO Box 569, London, SE1 9NH, Tel No: 01-928-6977. A standing order ensures that selected titles in the annual series are supplied automatically on publication. A £20 deposit will open an account.

Additionally single copies of the reports can be obtained from HMSO Bookshops and are individually priced.

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.

Enquiries:—

Business Statistics Office
Cardiff Road
Newport
Gwent
NPT 1XG

Tel: Newport 56111 (STD Code 0633) Ext 2455
Telex 497121 Answer Back BSONPTG

Report on the Census of Production 1980 Specialised chemical products mainly for industrial and agricultural purposes

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

LIST OF INDUSTRY REPORTS

The following is a list of 1980 Industry Reports based on the Standard Industrial Classification Revised 1980. The number of the Monitor will indicate each 3 digit Group industry of the new classification. This will produce about 110 Monitors in this series compared with around 165 Monitors in recent years.

HMSO will automatically supply the nearest comparable, and, if necessary, supplementary Monitors to all account holders. If your requirements are not fully met please consult the list printed below and advise HMSO.

If you have any enquiries about the new classification please ring Newport (STD 0633) 56111 Extension 2455.

- PA1001 Introductory notes
- PA111 Coal extraction and manufacture of solid fuels
- PA120 Coke ovens
- PA130 Extraction of mineral oil and natural gas
- PA140 Mineral oil processing
- PA161 Production and distribution of electricity
- PA162 Public gas supply
- PA170 Water supply industry
- PA210 Extraction and preparation of metalliferous ores
- PA221 Iron and steel industry
- PA222 Steel tubes
- PA223 Drawing, cold rolling and cold forming of steel
- PA224 Non-ferrous metals industry
- PA231 Extraction of stone, clay, sand and gravel
- PA239 Extraction of miscellaneous minerals (including salt)
- PA241 Structural clay products
- PA242 Cement, lime and plaster
- PA243 Building products of concrete, cement or plaster
- PA244 Asbestos goods
- PA245 Working of stone and other non-metallic minerals
- PA246 Abrasive products
- PA247 Glass and glassware
- PA248 Refractory and ceramic goods
- PA251 Basic industrial chemicals
- PA255 Paints, varnishes and printing ink
- PA256 Specialised chemical products mainly for industrial and agricultural purposes
- PA257 Pharmaceutical products
- PA258 Soap and toilet preparations
- PA259 Specialised chemical products mainly for household and office use
- PA260 Production of man-made fibres
- PA311 Foundries
- PA312 Forging, pressing and stamping
- PA313 Bolts, nuts, washers, etc.; springs; non-precision chains; metals treatment
- PA314 Metal doors, windows, etc.
- PA316 Hand tools and finished metal goods
- PA320 Industrial plant and steelwork
- PA321 Agricultural machinery and tractors
- PA322 Metal-working machine tools and engineers' tools
- PA323 Textile machinery
- PA324 Machinery for the food, chemical and related industries; process engineering contractors
- PA325 Mining machinery, construction and mechanical handling equipment
- PA326 Mechanical power transmission equipment
- PA327 Machinery for printing, paper, wood, leather, rubber, glass and related industries: laundry and dry cleaning machinery
- PA328 Miscellaneous machinery and mechanical equipment
- PA329 Ordnance, small arms and ammunition
- PA330 Manufacture of office machinery and data processing equipment
- PA341 Insulated wire and cables
- PA342 Basic electrical equipment
- PA343 Electrical equipment for industrial use, and batteries and accumulators
- PA344 Telecommunication equipment, electrical measuring equipment, electronic capital goods and passive electronic components
- PA345 Miscellaneous electronic equipment
- PA346 Domestic-type electric appliances
- PA347 Electric lamps and other electric lighting equipment
- PA351 Motor vehicles and their engines
- PA352 Motor vehicle bodies, trailers and caravans
- PA353 Motor vehicle parts
- PA361 Shipbuilding and repairing
- PA362 Railway and tramway vehicles
- PA363 Cycles and motor cycles
- PA364 Aerospace equipment manufacturing and repairing
- PA365 Miscellaneous vehicles
- PA371 Measuring, checking and precision instruments and apparatus
- PA372 Medical and surgical equipment and orthopaedic appliances
- PA373 Optical precision instruments and photographic equipment
- PA374 Clocks, watches and other timing devices
- PA411 Organic oils and fats
- PA412 Processing of bacon, meat and poultry
- PA413 Preparation of milk and milk products
- PA414 Processing of fruit and vegetables
- PA415 Fish processing
- PA416 Grain milling
- PA419 Bread, biscuits and flour confectionery
- PA420 Sugar and sugar by-products
- PA421 Ice-cream, cocoa, chocolate and sugar confectionery
- PA422 Animal feeding stuffs
- PA423 Starch and miscellaneous foods
- PA424 Spirit distilling and compounding
- PA426 Wines, cider and perry
- PA427 Brewing and malting
- PA428 Soft drinks
- PA429 Tobacco industry
- PA431 Woollen and worsted industry
- PA432 Cotton and silk industries
- PA433 Throwing, texturing, etc. of continuous filament yarn
- PA434 Spinning and weaving of flax, hemp and ramie
- PA435 Jute and polypropylene yarns and fabrics
- PA436 Hosiery and other knitted goods
- PA437 Textile finishing
- PA438 Carpets and other textile floorcoverings
- PA439 Miscellaneous textiles
- PA441 Leather (tanning and dressing) and fellmongery
- PA442 Leather goods
- PA451 Footwear
- PA453 Clothing, hats and gloves
- PA455 Household textiles and other made-up textiles
- PA456 Fur goods
- PA461 Sawmilling, planing, etc. of wood
- PA462 Manufacture of semi-finished wood products and further processing and treatment of wood
- PA463 Builders' carpentry and joinery
- PA464 Wooden containers
- PA465 Miscellaneous wooden articles
- PA466 Articles of cork and plaiting materials, brushes and brooms
- PA467 Wooden and upholstered furniture and shop and office fittings
- PA471 Pulp, paper and board
- PA472 Conversion of paper and board
- PA475 Printing and publishing
- PA481 Rubber products
- PA483 Processing of plastics
- PA491 Jewellery and coins
- PA492 Musical instruments
- PA494 Toys and sports goods
- PA495 Miscellaneous manufacturing industries
- PA500 Construction
- PA1002 Summary tables

PA256 SPECIALISED CHEMICAL PRODUCTS MAINLY FOR INDUSTRIAL AND AGRICULTURAL PURPOSES

PA256

The information in this report relates to establishments classified to the Specialised chemical products mainly for industrial and agricultural purposes industry, Group 256 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity Headings:—

- 2562 Formulated adhesives and sealants**
Manufacture of formulated synthetic resin and natural and synthetic rubber adhesives (i.e. containing solvents, plasticisers, etc.). Unformulated synthetic resin adhesives are classified to Group 251. Manufacture of gelatine, glue, size, gum, paste, etc., including preliminary processing. Manufacture of sealants.
- 2563 Chemical treatment of oils and fats**
Manufacture of primary products of sperm oil (including higher fatty alcohols), stearine and glycerine. Fat splitting and distillation. Recovery of fat is classified to Group 412.
- 2564 Essential oils and flavouring materials**
Manufacture of essential oils (other than turpentine). Manufacture of natural and artificial flavourings and perfume concentrates.
- 2565 Explosives**
Manufacture of explosives, detonators, fuses (except shell fuses), percussion caps, flares and signal rockets. Manufacture of fireworks and matches. Manufacture of live ammunition is classified to Group 329 and cellulose nitrate to Group 251.
- 2567 Miscellaneous chemical products for industrial use**
Manufacture of industrial gases, products for the treatment of leather and textiles, tanning agents and other chemical products not elsewhere specified for industrial use including waxes and foundry preparations. Chemicals specially prepared for laboratory use are included.
- 2568 Formulated pesticides**
Manufacture of formulated pesticides, sheep dips, weedkillers and other phytosanitary products.
- 2569 Adhesive film, cloth and foil**
Manufacture of adhesive film of plastics and cellulose, adhesive cloth and adhesive foil (other than for medical or surgical purposes for which see Group 257). Non-adhesive film, cloth and foil, when chemically treated for use as an insulating material, are also included. Adhesive paper is classified to Group 472.

For a full description of the 1980 Classification see Standard Industrial Classification Revised 1980 obtainable from Her Majesty's Stationery Office, Price £2.50.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page 9.

LIST OF CONTENTS

Table No	Title	Page
1	Output and costs, 1979-1980	4
2	Capital expenditure, 1979-1980	5
3	Stocks and work in progress, 1979-1980	5
4	Analysis of establishments by size, 1980	6-7
5	Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments, 1980	8
6	Operating ratios, 1979-1980	8

TABLE 1

PA256

Output and costs, 1979-1980

All United Kingdom establishments classified to the industry (a)

	Unit	1979	1980
Enterprises	Number	647	648
Establishments	"	737	740
Sales of goods produced	£ million	1,935.3	2,022.0
Receipts for work done and industrial services rendered	"	79.8	85.5
Capital goods produced for establishments' own use	"	8.1	5.8
Non-industrial services rendered	"	8.3	9.8
Goods merchanted or factored	"	554.6	617.5
Total sales and work done	"	2,586.2	2,740.5
Increase during the year, work in progress and goods on hand for sale	"	38.8	5.8
Gross output	"	2,625.0	2,746.4
Purchases of materials for use in production, and packaging and fuel	"	1,193.9(b)	1,186.4(b)
Purchases of goods for merchenting or factoring	"	416.1	483.3
Increase during the year, stocks of materials, stores and fuel	"	36.6	-17.6
Cost of industrial services received	"	63.4	53.4
Excise payments, etc. (net)	"	(b)	(b)
Net output	"	988.3	1,005.6
Total employment (c)	Thousand	63.4	59.4
Net output per head	£	15,593	16,915
Payments for non-industrial services			
Hire of vehicles, plant and machinery	£ million	9.5	10.8
Rents of industrial and commercial buildings	"	5.8	6.2
Commercial insurance premiums	"	11.5	12.8
Bank charges	"	0.8	1.0
Other non-industrial services	"	132.3	137.1
Licensing of motor vehicles	"	1.3	1.3
Rates, excluding water rates	"	11.4	13.3
Gross value added at factor cost	"	815.5	823.1
Gross value added at factor cost per head	£	12,867	13,846

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. Satisfactory returns accounted for 83 per cent of employment within the industry.

(b) Excise payments, etc. (net) included in purchases of materials for use in production, and packaging and fuel.

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

TABLE 2

PA256

Capital expenditure, 1979-1980

All United Kingdom establishments classified to the industry (a)(b)

£ million

	1979	1980
Land and buildings		
New building work	16.0	19.3
Land and existing buildings		
Acquisitions	6.3	4.3
Disposals	1.6	0.2
Plant and machinery		
Acquisitions	91.4	93.5
Disposals	1.6	3.2
Vehicles (c)		
Acquisitions	15.9	12.3
Disposals	4.4	5.0
Total net capital expenditure	122.0	120.9

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

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

(c) For 1980 the values of acquisitions and disposals of motor cars were collected separately. These were £8,382 thousand and £4,569 thousand respectively, and are included in the values shown for vehicles.

TABLE 3

Stocks and work in progress, 1979-1980

All United Kingdom establishments classified to the industry (a)

£ million

	1979	1980	Value at end of 1980
	Increase during year		
Materials, stores and fuel	36.6	-17.6	190.5
Work in progress	7.9	-2.2	70.9
Goods on hand for sale	31.0	8.0	220.5
Total	75.5	-11.8	481.9

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

TABLE 4

Analysis of establishments by size, 1980
All United Kingdom establishments classified to the industry (a)

Size group (b)	Estab-lish-ments (c)	Enter-prises (d)	Employment			Wages and salaries (g)				
			Total (e)	Opera-tives	Others (f)	Operatives		Others (f)		
						Total	per head	Total	per head	
										£ million
Number	Number	Thousand	Thousand	Thousand	£ million	£	£ million	£		
1-10	353	343	1.7)						
11-19	118	115	1.7)						
20-49	87	84	2.9)	6.2	5.7	33.1	5,346	38.3	6,675
50-99	83	74	5.9)						
100-199	31	28	4.4	2.4	2.0	12.9	5,421	13.1	6,391	
200-299	23	23	5.7	2.8	2.9	16.0	5,694	18.8	6,519	
300-399	11	10	3.9	2.2	1.7	12.6	5,809	11.7	6,888	
400-499	5	5	2.3	1.2	1.0	6.9	5,518	5.8	5,701	
500-749	17	16	10.5	5.3	5.3	28.9	5,484	35.5	6,757	
750-999	4	4	3.4	1.8	1.6	10.2	5,722	10.1	6,458	
1,000-1,499	4	4	4.6	2.5	2.0	16.3	6,464	13.7	6,705	
1,500 and over	4	4	12.6	8.5	4.1	49.8	5,861	31.1	7,526	
Total	740	648	59.4	32.9	26.4	186.6	5,680	178.2	6,751	

- (a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.
- (b) Average number employed during the year, including full and part-time employees and working proprietors.
- (c) Establishments employing fewer than 20 persons are generally exempt from Business Statistics Office inquiries and data for these establishments are therefore of doubtful reliability. Figures for establishments employing 1-10 persons are particularly at risk. They should be regarded merely as the best estimates available and used with caution.
- (d) The count of enterprises shown in each row represents the number of enterprises, irrespective of size, owning the establishments shown in the previous column, i.e. the number of enterprises owning the establishments within the size group indicated by the row heading. It should be noted that because an enterprise may own establishments in more than one size group, the sum of the individual enterprise counts may exceed the total for the industry.
- (e) Including working proprietors.

Total sales and work done (h)	Gross output	Net output	Gross value added at factor cost		Net capital expenditure (j)	Total stocks and work in progress at end of year		
			Total	per head				
							Total	per head
£ million	£ million	£ million	£	£ million	£ million			
596.0	595.3	201.6	16,643	(k)	(k)	22.7	110.4	
214.9	214.8	73.1	16,481	224.1(k)	13,544(k)	7.4	47.4	
259.6	261.9	92.7	16,286	73.6	12,927	9.2	49.0	
266.2	266.9	105.8	27,393	94.3	24,435	10.7	50.9	
94.2	92.7	33.1	14,577	24.3	10,685	1.6	17.5	
608.2	606.6	181.8	17,286	138.7	13,182	23.3	79.0	
145.8	144.1	48.6	14,479	43.3	12,920	9.6	20.7	
117.4	116.6	55.3	12,103	44.5	9,741	13.5	32.6	
438.0	447.5	213.6	16,910	180.2	14,271	23.0	74.5	
2,740.5	2,746.4	1,005.6	16,915	823.1	13,846	120.9	481.9	

- (f) Administrative, technical and clerical employees.
- (g) The cost of employers' contributions to national insurance, pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £74.5 million.
- (h) 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.
- (i) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
- (k) Gross value added data relate to establishments employing 1-199.

TABLE 5

PA256

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments, 1980

Accounting year ended		Percentage of total returns received	Percentage of total number employed
		per cent	per cent
1980	April (a)	2.0	1.0
	May	1.4	0.6
	June	6.8	2.9
	July		
	August	2.0	1.6
	September	10.8	17.5
	October	2.7	2.0
	November	6.8	5.6
	December	54.7	52.4
	1981	January	1.4
February		2.0	1.8
March (b)		9.5	12.8

(a) From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1981.

TABLE 6

Operating ratios, 1979-1980

All United Kingdom establishments classified to the industry (a)

	Unit	1979	1980
Gross output per head	£	41,417	46,198
Net output per head	£	15,593	16,915
Gross value added per head	£	12,867	13,846
Gross value added as a percentage of gross output	%	31	30
Ratio of gross output to stocks		5.5	5.7
Wages and salaries as a percentage of gross value added	%	40	44
Ratio of operatives to administrative, technical and clerical employees		1.4	1.2
Wages and salaries per administrative, technical and clerical employee	£	5,770	6,751
Wages and salaries per operative	£	4,690	5,680
Net capital expenditure per head	£	1,925	2,035
Net capital expenditure as a percentage of gross value added	%	15	15

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

NOTES

These notes give the main information needed for interpreting the figures in the industry Business Monitors: more detailed information about the census is given in a separate Business Monitor — PA1001 (Introductory Notes) of the Report on the Census of Production, 1980.

GENERAL INFORMATION

CHANGES MADE FOR 1980

The 1980 census differed from the 1979 in three main respects. Questions relating to standard cost stocks and road transport costs were removed from the questionnaire. Motor cars have been separately identified in the capital expenditure questions in order to assist in the 1980 rebasing of national accounts. Sampling arrangements were extended as detailed in the para headed Coverage. There are also two major changes in the presentation of census results. Publication of the Business Monitor PA1000 showing provisional results has been discontinued, and industry reports are being issued, whenever possible, for each 3 digit Group of the SIC Revised 1980. A limited range of information for most 4 digit Activity Headings is published in the Summary Volume (PA1002). Regional results are restricted to 2 digit class level, and appear only in the Summary Volume.

INDUSTRIAL CLASSIFICATION

The 1980 census is the first being conducted on the SIC (Revised 1980). The United Kingdom SIC was first issued in 1948 and revised in 1958, 1968 and 1980. It exists to promote uniformity and comparability in the official statistics of the United Kingdom. Prior to the 1980 revision the general principles followed were those of the International Standard Industrial Classification of all Economic Activities of the United Nations Statistical Office but for the 1980 revision an attempt was made to align the United Kingdom classification as closely as practicable with NACE, the classification in use by the Statistical Office of the European Community. The SIC is a classification by activity and not a commodity classification.

STATISTICAL UNIT

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, and 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 mine or 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 intergrated 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 of employment and net capital expenditure are obtained for each local unit in order to compile regional tables. Efforts are made by the 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 e.g. merchandising, transport or 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, responders 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 are included. Where more than one return is made the information in respect of the head office is apportioned among them. For certain purposes in the censuses of production (e.g. for disclosure testing and the preparation of the enterprise analyses shown in Business Monitor PA1002) related establishments are combined to enterprise level. An enterprise group is defined as a business consisting of either a single establishment or two or more establishments under common ownership or control. Information about relationships between 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

A computerised register of about 120,000 production units throughout the United Kingdom is held in the BSO. This register provides the basis for a wide range of BSO inquiries mailed to the production sector. For each production unit the register contains identification particulars and information about a unit's eligibility for inclusion in an inquiry; its relationship with other units in common ownership; industrial classification; nationality of parent company if foreign owned and location indicators permitting regional analyses. Regional and size analyses of manufacturing local units are published each year in Business Monitor PA1003 (Analyses of United Kingdom Manufacturing (local) units by employment size).

The inquiries provide a major source of information for keeping the register continuously up-to-date and act as a check on its structure. For the establishments on the register making returns to the quarterly inquiries into manufacturers' sales, industrial classification is derived from an analysis of their commodity sales and is reviewed annually. For any other establishments for which no up-to-date information was available classification to SIC Revised 1980 was made on a pro-rotta basis in line with the reclassification pattern by industry of establishments for which actual product sales data was held. Employment data are entered on the register from the quarterly inquiries and the censuses of production. Where establishments do not make a return to these inquiries the employment data are based on information provided by the Department of Employment from censuses of employment.

New additions to the register are obtained from various sources including Value Added Tax records, the Census of Employment and register proving forms.

COVERAGE

The census covers United Kingdom establishments engaged in production and construction industries (Divisions 1 to 5 of the SIC (Revised 1980)). The Channel Islands and the Isle of Man are excluded.

Under the sampling arrangements agreed for the 1980 census, forms were despatched to samples of 1 in 4 and 1 in 2 for the 20 to 49 and 50 to 99 employment size bands respectively for most production industries. For a limited number of production industries, where there were very few units in the sample size bands, all establishments with employment of 20 or more were included. Units employing fewer than 20 continued to be exempt from selection. All units employing 100 or more were subject to a full coverage. The total number of forms mailed was 18,965.

In the construction industry all undertakings employing 50 or more were selected. The 1 in 2 sample for undertakings with 20 to 49 employees introduced for the 1979 census was repeated, but the 5 per cent sample of undertakings with fewer than 20 employees was discontinued. This resulted in a reduction in the number of forms sent out to 6,500, which is about one half of the average mailed for the years upto 1978.

SUPPRESSION OF INFORMATION RELATING TO INDIVIDUAL UNDERTAKINGS

Subsection 9(5)(b) of the Statistics of Trade Act, 1947 states that: "The following provisions shall have effect with respect to any report, summary or other communication to the public of information obtained under the foregoing provisions of this act —

in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, however, that before disclosing any such total the competent authority shall have regard to any representations made to them by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deduced from the total disclosed".

Where the publication of any figure is likely to disclose particulars relating to an individual undertaking, either the contributor is approached to seek consent for publication or the figure is suppressed. Where convenient, suppression takes the form of combining the disclosure figure with adjacent cells. Steps are also taken to avoid the release of figures which may lead to disclosure by deduction when compared with other census results.

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.

EXPLANATION OF TERMS USED IN THE CENSUS REPORT

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

CAPITAL EXPENDITURE

Capital expenditure during the year in respect of production 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 the calendar year.

a. New building work

This represents the cost incurred during the year of new building and other construction 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 establishments 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 and Customs and Excise car tax are 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.

CAPITAL GOODS PRODUCED FOR AN ESTABLISHMENT'S OWN USE

This includes all work of a capital nature carried out during the year by the establishment's own staff for their own use.

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 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.

EMPLOYMENT:

AVERAGE NUMBER EMPLOYED

Establishments were required to state the average number of persons on the pay roll during the year of return. Separate figures were required for:

- administrative, technical and clerical employees
- 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 (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 merchandising 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 work in the business without receiving a wage or salary; but such persons who work 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, inspectors, maintenance workers and cleaners. Staff engaged in transport (including roundsmen), or employed in warehouses, stores, shops and canteens, should be included only where separate accounts are not kept. Operatives engaged in outside work of erecting, fitting, etc. are also included, but outworkers 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.

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.

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, 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.

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.), 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.

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.

OPERATING RATIOS

The operating ratios shown are 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 establishments not selected 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 e.g. 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.

PURCHASES

Purchases include the cost of raw materials, components, semi-manufactured goods and workshop materials; of replacement parts and consumable tools not charged to capital account; of packaging materials of all types; of stationery and printed matter; of fuel, electricity and water; of materials to be used by the establishment or given out to other establishments for the production of machinery or other capital items for the establishment's own use; of materials for use by the establishment when working on goods supplied by customers; and of food, etc. for any canteen covered by the establishment's return. Transfers of goods to the establishment from another department of the same firm not covered by the establishment's return are included at a cost corresponding to the estimated selling value recorded by the other department. Amounts payable to transport firms or credited to the firm's own transport department for delivery of materials are excluded, as are all purchases of machinery and plant charged to capital account. Purchases of goods for merchandising 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 the suppliers and any trade discounts are excluded. Materials purchased duty-paid are included at their duty-paid value, less any drawback, rebate, etc. The cost of transport is included only if it is included with the purchase price in the firm's accounts. Imported goods are included at their full delivered cost. If in the firm's accounts the transport from docks or airport is not included in the cost of goods purchased, the cost is entered at cif plus duty (if applicable).

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 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.

REMUNERATION 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.

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. Forward sales and canteen takings are excluded. All sales in the period of the inquiry are included irrespective of when the goods were manufactured.

Goods produced in one establishment and transferred either to ancillary departments not engaged in production for which there are separate accounts, or to another establishment of the same firm not covered by the return are treated as sales by the producing establishment and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations, for which separate accounts are kept, are valued on the same basis.

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

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 merchandising or factoring.

Work in progress is defined as materials which have been partially processed by the establishment but which are not usually sold or transferred to another establishment without further processing. The values include the cost of materials consumed and labour used. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not deducted.

WAGES AND SALARIES

These are amounts paid during the year to operatives and to administrative, technical and 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 values of any payments in kind, travelling expenses, etc. is excluded.

© Crown copyright 1982

Her Majesty's Stationery Office

Government Bookshops

49 High Holborn, London WC1V 6HB

13a Castle Street, Edinburgh EH2 3AR

41 The Hayes, Cardiff CF1 1JW

Brazenose Street, Manchester M60 8AS

Southey House, Wine Street, Bristol BS1 2BQ

258 Broad Street, Birmingham B1 2HE

80 Chichester Street, Belfast BT1 4JY

*Government publications are also available
through booksellers*

'Brief extracts from this publication may be reproduced provided the source is fully acknowledged. Proposals for reproduction of larger extracts should be addressed to the Librarian, Business Statistics Office, Newport, Gwent NPT 1XG.'

ISBN 0 11 514052 2

£3.25 net