

PA602

STATISTICS
BACK-UP

42(HA 251)

42

18834

1972

BRITISH LIBRARY
14 MAY 1975
OF POLITICAL AND
ECONOMIC SCIENCE

Business Monitor

A publication of the Government Statistical Service

Report on the Census of Production

Electricity



Department of Industry
Business Statistics Office

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 divisions 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

Newport 56111 (STD code 0633) ext 2455

Telex 497121/497122

Answer Back BSO Newport

PA602

Business Monitor

A publication of the Government Statistical Service

Report on the Census of Production 1972

Electricity

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 1975

List of Industry Reports, etc.

| | |
|---------|--|
| PA1001 | Introductory notes |
| PA101 | Coal mining |
| PA102 | Stone and slate quarrying and mining |
| PA103 | Chalk, clay, sand and gravel extraction |
| PA104 | Petroleum and natural gas |
| PA109 | Miscellaneous mining and quarrying |
| PA211 | Grain milling |
| PA212 | Bread and flour confectionery |
| PA213 | Biscuits |
| PA214 | Bacon curing, meat and fish products |
| PA215 | Milk and milk products |
| PA216 | Sugar |
| PA217 | Cocoa, chocolate and sugar confectionery |
| PA218 | Fruit and vegetable products |
| PA219 | Animal and poultry foods |
| PA221 | Vegetable and animal oils and fats |
| PA229.1 | Margarine |
| PA229.2 | Starch and miscellaneous foods |
| PA231 | Brewing and malting |
| PA232 | Soft drinks |
| PA239.1 | Spirit distilling and compounding |
| PA239.2 | British wines, cider and perry |
| PA240 | Tobacco |
| PA261 | Coke ovens and manufactured fuel |
| PA262 | Mineral oil refining |
| PA263 | Lubricating oils and greases |
| PA271.1 | Inorganic chemicals |
| PA271.2 | Organic chemicals |
| PA271.3 | Miscellaneous chemicals |
| PA272 | Pharmaceutical chemicals and preparations |
| PA273 | Toilet preparations |
| PA274 | Paint |
| PA275 | Soap and detergents |
| PA276 | Synthetic resins and plastics materials and synthetic rubber |
| PA277 | Dyestuffs and pigments |
| PA278 | Fertilizers |
| PA279.1 | Polishes |
| PA279.2 | Formulated adhesives, gelatine, etc. |
| PA279.3 | Explosives and fireworks |
| PA279.4 | Formulated pesticides, etc. |
| PA279.5 | Printing ink |
| PA279.6 | Surgical bandages, etc. |
| PA279.7 | Photographic chemical materials |
| PA311 | Iron and steel (general) |
| PA312 | Steel tubes |
| PA313 | Iron castings, etc. |
| PA321 | Aluminium and aluminium alloys |
| PA322 | Copper, brass and other copper alloys |
| PA323 | Miscellaneous base metals |
| PA331 | Agricultural machinery (except tractors) |
| PA332 | Metal-working machine tools |
| PA333 | Pumps, valves and compressors |
| PA334 | Industrial engines |
| PA335 | Textile machinery and accessories |
| PA336 | Construction and earth-moving equipment |
| PA337 | Mechanical handling equipment |
| PA338 | Office machinery |
| PA339.1 | Mining machinery |
| PA339.2 | Printing, bookbinding and paper goods machinery |
| PA339.3 | Refrigerating machinery, space heating, ventilating and air-conditioning equipment |
| PA339.7 | Food and drink processing machinery and packaging and bottling machinery |
| PA339.9 | Miscellaneous (non-electrical) machinery Scales and weighing machinery and portable power tools |
| PA341 | Industrial (including process) plant and steelwork Process plant engineering contractors |
| PA342 | Ordnance and small arms |
| PA349.1 | Ball and roller bearings |
| PA349.2 | Precision chains and other mechanical engineering |
| PA351 | Photographic and document copying equipment |
| PA352 | Watches and clocks |
| PA353 | Surgical instruments and appliances |
| PA354 | Scientific and industrial instruments and systems |
| PA361 | Electrical machinery |
| PA362 | Insulated wires and cables |
| PA363 | Telegraph and telephone apparatus and equipment |
| PA364 | Radio and electronic components |
| PA365 | Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment |
| PA366 | Electronic computers |
| PA367 | Radio, radar and electronic capital goods |
| PA368 | Electrical appliances primarily for domestic use |
| PA369 | Electrical equipment for motor vehicles, cycles and aircraft Primary and secondary batteries Electric lamps, electric light fittings, wiring accessories, etc. |
| PA370 | Shipbuilding and marine engineering |
| PA380 | Wheeled tractor manufacturing |
| PA381 | Motor vehicle manufacturing Trailers, caravans and freight containers |
| PA382 | Motor cycle, tricycle and pedal cycle manufacturing |
| PA383 | Aerospace equipment, manufacturing and repairing |
| PA384 | Locomotives, railway track equipment, railway carriages, wagons and trams |
| PA390 | Engineers' small tools and gauges |
| PA391 | Hand tools and implements |
| PA392 | Cutlery, spoons, forks and plated tableware, etc. |
| PA393 | Bolts, nuts, screws, rivets, etc. |
| PA394 | Wire and wire manufactures |
| PA395 | Cans and metal boxes |
| PA396 | Jewellery and precious metals |
| PA399.1 | Metal furniture |
| PA399.5 | Drop forgings, etc. |
| PA399.6 | Metal hollow-ware |
| PA399.8 | Miscellaneous metal manufacture |
| PA411 | Production of man-made fibres |
| PA412 | Spinning and doubling on the cotton and flax systems |
| PA413 | Weaving of cotton, linen and man-made fibres |
| PA414 | Woollen and worsted |
| PA415 | Jute |
| PA416 | Rope, twine and net |
| PA417 | Hosiery and other knitted goods Warp knitting |
| PA418 | Lace |
| PA419 | Carpets |
| PA421 | Narrow fabrics |
| PA422.1 | Household textiles and handkerchiefs |
| PA422.2 | Canvas goods and sacks and other made-up textiles |
| PA423 | Textile finishing |
| PA429.1 | Asbestos |
| PA429.2 | Miscellaneous textiles |
| PA431 | Leather (tanning and dressing) and fellmongery |
| PA432 | Leather goods |
| PA433 | Fur |
| PA441 | Weatherproof outerwear |
| PA442 | Men's and boys' tailored outerwear |
| PA443 | Women's and girls' tailored outerwear |
| PA444 | Overalls and men's shirts, underwear, etc. |
| PA445 | Dresses, lingerie, infants' wear, etc. |
| PA446 | Hats, caps and millinery |
| PA449.1 | Corsets and miscellaneous dress industries |
| PA449.2 | Gloves |
| PA450 | Footwear |
| PA461.1 | Refractory goods |
| PA461.2 | Building bricks and non-refractory goods |
| PA462 | Pottery |
| PA463 | Glass |
| PA464 | Cement |
| PA469.1 | Abrasives |
| PA469.2 | Miscellaneous building materials and mineral products |
| PA471 | Timber |
| PA472 | Furniture and upholstery |
| PA473 | Bedding, etc. |
| PA474 | Shop and office fittings |
| PA475 | Wooden containers and baskets |
| PA479 | Miscellaneous wood and cork manufactures |
| PA481 | Paper and board |
| PA482.1 | Cardboard boxes, cartons and fibre-board packing cases |
| PA482.2 | Packaging products of paper and associated materials |
| PA483 | Manufactured stationery |
| PA484.1 | Wallcovering |
| PA484.2 | Miscellaneous manufactures of paper and board |
| PA485 | Printing and publishing of newspapers and periodicals |
| PA489 | General printing, publishing, etc. |
| PA491 | Rubber |
| PA492 | Linoleum, plastics floor-covering, leathercloth, etc. |
| PA493 | Brushes and brooms |
| PA494.1 | Toys, games and children's carriages |
| PA494.3 | Sports equipment |
| PA495 | Miscellaneous stationers' goods |
| PA496 | Plastics products |
| PA499.1 | Musical instruments |
| PA499.2 | Miscellaneous manufacturing industries |
| PA601 | Gas |
| PA602 | Electricity |
| PA603 | Water supply |
| PA1002 | Summary tables |

PA602 ELECTRICITY

The information in this report relates to undertakings classified to the Electricity industry, minimum list heading 602 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

The production and distribution of electricity for public supply. Construction work carried out by employees of electricity undertakings is included. Establishments producing electricity for railway and trolley-bus operation are also included, as are 'district heating' and electricity showrooms. Establishments (other than those of railway and trolley-bus undertakings) producing electricity primarily for their own use are excluded, and are included in the industries covering the major output of the parent works.

In this report separate particulars are given for the Electricity Boards and other undertakings which consisted of the generating stations of transport undertakings in Great Britain and electricity undertakings in Northern Ireland.

The tables have been compiled from returns made to the Department of Energy. One generating station of a transport undertaking submitted figures for the calendar year 1972 otherwise all figures for 1970, 1971 and 1972 relate to the year ended 31 March 1971, 1972 and 1973 respectively.

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 |
|----------|--|------------------|
| | United Kingdom undertakings classified to the industry | |
| 1 | Input and output, 1970, 1971 and 1972 | PA602 2 |
| 2 | Capital expenditure and stocks, 1970, 1971 and 1972 | PA602 3 |
| 3 | Analysis of undertakings by size, 1972 | DOES NOT APPLY 4 |
| 4 | Regional distribution of employment, net capital expenditure and net output, by country, 1972 | PA602 4 |
| 5 | Percentage analysis of twelve-month periods covered by returns received, 1972 | DOES NOT APPLY 5 |
| 6 | Percentage analysis of employees, by full and part time employment and sex, 1972 | PA602 5 |
| 7 | Sales of principal products of the industry by undertakings, 1972 | DOES NOT APPLY 5 |
| 8 | Work of new construction and repair and maintenance carried out by employees of electricity undertakings 1970, 1971 and 1972 | PA602 6 |

TABLE 1

Input and output 1970, 1971 and 1972

All United Kingdom undertakings classified to the industry

| | Unit | Electricity Boards | | | Other undertakings (a) | | | Total | | |
|---|--------|--------------------|------------------|------------------|------------------------|--------------------|---------------|------------------------------|------------------|------------------|
| | | 1970 | 1971 | 1972 | 1970 | 1971 | 1972 | 1970 | 1971 | 1972 |
| Number of generating stations | Number | 289 | 278 | 273 | 6 | 7 | 7 | 295 | 285 | 280 |
| Electricity etc., sold and work done (b) | £'000 | 1,709,276 | 1,919,561 | 2,106,795 | 47,304 | 52,058 | 52,627 | 1,756,580 | 1,971,619 | 2,159,422 |
| Services rendered to other organisations(c) | " | 351 | 467 | 566 | - | - | - | 351 | 467 | 566 |
| Goods merchanted | " | 109,411 | 130,199 | 158,682 | 1,432 | 1,834 | 2,426 | 110,843 | 132,033 | 161,108 |
| Canteen takings | " | 2,269 | 2,376 | 2,493 | 29 | 33 | 39 | 2,298 | 2,409 | 2,532 |
| Total sales and work done | " | 1,821,307 | 2,052,603 | 2,268,536 | 48,766 | 53,925 | 55,092 | 1,870,073^R | 2,106,528 | 2,323,628 |
| Increase during the year, work in progress and goods on hand for sale | " | 3,725 | 757 | 344 | 248 | 172 | 135 | 3,973 | 929 | 209 |
| Gross output | " | 1,825,032 | 2,053,360 | 2,268,192 | 49,013 | 54,097 | 55,227 | 1,874,045 | 2,107,457 | 2,323,419 |
| Cost of materials and fuel used and of merchanted goods | " | 743,752 | 837,516 | 911,394 | 21,011 | 24,844 | 28,430 | 764,763 | 862,360 | 939,824 |
| Payments to other organisations for renovation of appliances by other firms | " | 4,647 | 5,020 | 4,630 | 35 | 23 | 30 | 4,682 | 5,043 | 4,660 |
| for transport by road (d) | " | 1,539 | 819 | 802 | 19 | 21 | 22 | 1,558 | 840 | 824 |
| for transport by rail, water, air and Post Office parcel services (d) | " | | 558 | 631 | | - | - | | 558 | 631 |
| Total costs | " | 749,938 | 843,913 | 917,457 | 21,064 | 24,888 | 28,482 | 771,002^R | 868,801 | 945,939 |
| Net output | " | 1,075,094 | 1,209,447 | 1,350,735 | 27,949 | 29,209 | 26,745 | 1,103,043^R | 1,238,656 | 1,377,480 |
| Net output per head | £ | 5,118 | 6,079 | 7,021 | 3,969 | 4,212 | 3,825 | 5,081 | 6,016 | 6,909 |
| Total employment (e) | Number | 210,063 | 198,963 | 192,387 | 7,042 | 6,934 | 6,993 | 217,105 | 205,897 | 199,380 |
| Operatives | " | 126,988 | 115,416 | 108,921 | 4,873 | 4,626 | 4,519 | 131,861 | 120,042 | 113,440 |
| Others (f) | " | 83,075 | 83,547 | 83,466 | 2,169 | 2,308 | 2,474 | 85,244 | 85,855 | 85,940 |
| Wages and salaries | | | | | | | | | | |
| Operatives | £'000 | 166,398 | 183,319 | 197,029 | 6,852 | 8,141 | 9,173 | 173,250 | 191,460 | 206,202 |
| Others (f) | " | 135,273 | 153,824 | 170,733 | 3,134 | 3,822 | 4,724 | 138,407 | 157,646 | 175,457 |
| Wages and salaries per head | | | | | | | | | | |
| Operatives | £ | 1,310 | 1,588 | 1,809 | 1,406 | 1,760 ^R | 2,030 | 1,314 | 1,595 | 1,818 |
| Others (f) | " | 1,628 | 1,841 | 2,046 | 1,445 | 1,656 | 1,909 | 1,624 | 1,836 | 2,042 |

(a) Including generating stations of transport undertakings in Great Britain and electricity undertakings in Northern Ireland.

(b) Including sales of electricity, by-products and waste products, charges for work done, meter rents received and work of new construction.

(c) Amounts charged for hiring out plant, machinery or for any technical or other services rendered.

(d) Payments for transport inwards are included in the cost of purchased materials and fuel used and excluded from payments for transport to other organisations.

(e) Average number employed (full and part time; see table 6) during the year.

(f) Administrative, technical and clerical employees.

PA602
2

TABLE 2

Capital expenditure and stocks, 1970, 1971 and 1972

All United Kingdom undertakings classified to the industry

| | Unit | Electricity Boards | | | Other undertakings | | | Total | | | | | |
|---|-------|---------------------------|----------------|----------------|----------------------|---------------|------------------------|----------------|----------------------|---------------------------|---------------------------|---------------|----------------------|
| | | 1970 | 1971 | 1972 | 1970 | 1971 | 1972 | 1970 | 1971 | 1972 | | | |
| Capital expenditure (a) | £'000 | | | | | | | | | | | | |
| New building work | " | 70,696 | 74,639 | 83,800 | 2,389 | 1,940 | 3,811 | 73,085 | 76,579 | 87,611 | | | |
| Land and existing buildings | | | | | | | | | | | | | |
| Acquisitions | " | 2,651 | 5,270 | 2,468 | 44 | 59 | 174 | 2,695 | 5,329 | 2,642 | | | |
| Disposals | " | 2,884 | 3,204 | 5,694 | 60 | 50 | 19 | 2,944 | 3,254 | 5,713 | | | |
| Plant and machinery | | | | | | | | | | | | | |
| Acquisitions (b) | " | 375,980 | 365,339 | 395,390 | 16,316 | 19,838 | 20,724 | 392,296 | 385,177 | 416,114 | | | |
| Disposals | " | 3,710 | 3,268 | 2,894 | 371 | 135 | 84 | 4,081 | 3,403 | 2,978 | | | |
| Vehicles | | | | | | | | | | | | | |
| Acquisitions | " | 6,216 | 6,974 | 6,240 | 287 | 306 | 384 | 6,503 | 7,280 | 6,624 | | | |
| Disposals | " | 648 | 1,060 | 895 | 30 | 66 | 89 | 678 | 1,126 | 984 | | | |
| Appliances for hire | | | | | | | | | | | | | |
| Acquisitions (c) | " | 618 | 665 | 740 | 205 | 211 | 211 | 823 | 876 | 951 | | | |
| Disposals (d) | " | 53 | 75 | 50 | 1 | - | - | 54 | 75 | 50 | | | |
| Vessels | | | | | | | | | | | | | |
| Acquisitions | " | - | - | - | - | - | - | - | - | - | | | |
| Disposals | " | 38 | 22 | 147 | - | - | - | 38 | 22 | 147 | | | |
| Nuclear fuel | | | | | | | | | | | | | |
| Acquisitions | " | 19,714 | 21,044 | 15,365 | - | - | - | 19,714 | 21,044 | 15,365 | | | |
| Disposals | " | 505 | 21 | - | - | - | - | 505 | 21 | - | | | |
| Total net capital expenditure (e) | " | 468,037 | 466,281 | 494,323 | 18,779 | 22,103 | 25,112 | 486,816 | 488,384 | 519,435 | | | |
| Increase in stocks and work in progress 1970, 1971 and 1972 | | Increase | Increase | Increase | Value at end of year | Increase | Increase | Increase | Value at end of year | Increase | Increase | Increase | Value at end of year |
| Value of stocks and work in progress at end of 1972 | | | | | | | | | | | | | |
| Materials, stores and fuel | " | 39,850 ^R | 19,085 | 64,171 | 223,991 | 935 | 96 ^R | - 292 | 3,857 | 40,785 ^R | 19,181 ^R | 63,879 | 227,848 |
| Work in progress | " | - 16 | 720 | 391 | 7,853 | 141 | 159 | 167 | 895 | 125 | 879 | 558 | 8,748 |
| Goods on hand for sale | " | 3,741 | 37 | - 735 | 19,015 | 107 | 13 | - 32 | 277 | 3,848 | 50 | - 767 | 19,292 |
| Total stocks | " | 43,575^R | 19,842 | 63,827 | 250,859 | 1,183 | 268^R | - 157 | 5,029 | 44,758^R | 20,110^R | 63,670 | 255,888 |

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

(b) Including meters, mains and services and railway sidings owned by electricity undertakings.

(c) Issued during year.

(d) Proceeds from disposals of appliances formerly on hire which were sold or scrapped during the year.

(e) Acquisitions less disposals.

PA602
3

TABLE 3

PA602 4

Analysis of undertakings by size 1972 - Undertakings classified to the industry.

This table is not applicable to the industry

TABLE 4

Regional distribution of employment, net capital expenditure and net output, by country, 1972.

All United Kingdom undertakings classified to the industry.

| Country | Average number employed | | Net capital expenditure (a) | | Net output | |
|------------------|-------------------------|----------------------------|-----------------------------|----------------------------|------------|----------------------------|
| | Number | per cent of United Kingdom | £'000 | per cent of United Kingdom | £'000 | per cent of United Kingdom |
| England | 164,337 | 82.4 | 378,629 | 72.9 | 1,145,220 | 83.1 |
| Wales | 11,579 | 5.8 | 16,921 | 3.3 | 68,737 | 5.0 |
| Scotland | 17,461 | 8.8 | 100,269 | 19.3 | 141,232 | 10.3 |
| Great Britain | 193,377 | 97.0 | 495,819 | 95.5 | 1,355,189 | 98.4 |
| Northern Ireland | 6,003 | 3.0 | 23,616 | 4.5 | 22,291 | 1.6 |
| United Kingdom | 199,380 | 100.0 | 519,435 | 100.0 | 1,377,480 | 100.0 |

(a) New building work plus acquisitions less disposals of land and existing buildings, plant and machinery and vehicles; including capital expenditure at units not yet in production.

TABLE 5

PA602 5

Percentage analysis of twelve-month periods covered by returns received, 1972

This table is not applicable to the industry

TABLE 6

Percentage analysis of employees, by full and part time employment and sex, 1972 (a)

| Sex | Full time | Part time | All employees |
|--------|-----------|-----------|---------------|
| | per cent | per cent | per cent |
| Male | 84 | - | 84 |
| Female | 13 | 3 | 16 |
| | 97 | 3 | 100 |

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at mid-June, 1972.

TABLE 7

Sales of principal products of the industry by undertakings, 1972

Does not apply

For this industry the quarterly inquiry into manufacturers' sales did not commence until the second quarter of 1974.

TABLE 8

Work of new construction and repair and maintenance carried out by employees of electricity undertakings, 1970, 1971 and 1972 (a)

United Kingdom undertakings classified to the industry

| | Electricity Boards | | | Other undertakings | | | Total | | |
|--|--------------------|----------------------|---------|--------------------|-------|--------|---------|----------------------|---------|
| | 1970 | 1971 | 1972 | 1970 | 1971 | 1972 | 1970 | 1971 | 1972 |
| New construction | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 |
| On depots, workshops, offices and other buildings | 5,138 | 5,210 | 6,333 | 5,957 | 5,050 | 5,532 | 103,812 | 105,122 ^R | 108,928 |
| On plant and machinery | 29,046 | 29,005 ^R | 28,997 | | | | | | |
| On mains and services | 62,708 | 65,051 | 67,211 | | | | | | |
| Work charged to other divisions and Area Boards | 963 | 806 | 855 | | | | | | |
| Repair and maintenance | | | | | | | | | |
| On depots, workshops, offices and other buildings | 11,023 | 12,225 | 13,503 | 3,687 | 4,194 | 4,542 | 104,957 | 118,501 | 138,175 |
| On plant and machinery | 68,814 | 80,099 | 97,033 | | | | | | |
| On mains and services | 17,509 | 17,899 | 18,900 | | | | | | |
| Work charged to other divisions and Area Boards | 3,924 | 4,084 | 4,197 | | | | | | |
| Total work of new construction and repair and maintenance | 199,125 | 214,379 ^R | 237,029 | 9,644 | 9,244 | 10,074 | 208,769 | 223,623 ^R | 247,103 |
| Less work of repair and maintenance | 101,270 | 114,307 | 133,633 | 3,687 | 4,194 | 4,542 | 104,957 | 118,501 | 138,175 |
| Total new construction | 97,855 | 100,072 ^R | 103,396 | 5,957 | 5,050 | 5,532 | 103,812 | 105,122 ^R | 108,928 |

(a) The amount shown for work of new construction represents the sum chargeable to capital account. Repairs and maintenance are valued at the cost of labour and materials. Work done for other Divisions and Area Boards is valued at the amount charged.

Notes

These notes give the main information needed for interpreting the figures in the industry reports, (more detailed information about the census is given in a separate booklet - "Introductory Notes", Part PA1001 of the Report on the Census of Production for 1972).

GENERAL INFORMATION

Changes made for 1972

There were only minor changes in the scope of certain industry reports compared with 1971. Any such changes are explained in the introductions to the industry reports concerned or by footnotes to the tables.

Industrial Classification

The Annual Censuses of Production are conducted on the Business Statistics Office's Production Register. Normally establishments/undertakings on the Register are classified to industries on the basis of major activity in conformity with the Standard Industrial Classification (revised 1968). Generally an establishment/undertaking is classified to an industry if its sales of the principal products of that industry accounts for a greater proportion of its total sales than its sales of the principal products of any other industry; classification is generally based on an establishment's/undertaking's returns to the quarterly production inquiry. Where this is not possible - for example where a quarterly production inquiry has not been introduced - the classification of an establishment/undertaking reflects its return to the Census of Production, 1968. Establishments/undertakings for which information is not available either from the quarterly inquiries or the 1968 Census are classified on the basis of the description of the business given by the establishment/undertaking to the Business Statistics Office, for instance, in the course of registration.

Coverage

Detailed census returns were generally sought only from establishments/undertakings employing on average 25 or more persons, but in some industries where firms employing less than 25 persons account for a relatively high proportion of total employment and output the exemption limit was lowered to 11. Census returns were also sent to establishments/undertakings whose employment was not known to the Business Statistics Office at the time of dispatch.

TERMS USED IN THE CENSUS REPORT

Average number employed

Undertakings were required to state the number of persons on the payroll (i.e. whose national insurance cards were held by them) on the average during the year of return, whether full time or part time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) all other employees (operatives). Averages could be calculated from figures relating to the last week of each calendar month. 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.

Employees

Administrative, technical and clerical employees include managing and other directors in receipt of a definite wage, salary or commission, managers, superintendents and works foremen; research, experimental development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work (including roundsmen), stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers, and cleaners. Operatives engaged in outside work of erecting, fitting etc. are also included.

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 in the figures for 1970, 1971 and 1972.

Undertakings were asked to include in the value of capital expenditure, amounts received under the Local Employment Acts, 1960 to 1971 and any investment grants received under the Industrial Development Act, 1966 or regional development grants under the Industry Act, 1972.

(a) New building work

This represents the cost incurred during the year of new building and other constructional work (including office buildings, canteens and the like used in connection with the business covered by the return, but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension or reconstruction of old buildings, the value of works of a capital nature carried out by the undertaking's own staff and the cost of any newly constructed buildings purchased. Figures shown include any 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 of premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any 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. 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.

Gross output

Gross output measures the total value of production (including work done) by undertakings during the year. It is calculated as follows:-

| | |
|------------|--|
| | Value of sales and work done |
| Plus/Less: | Increase/decrease in value of stocks of goods on hand for sale |
| Plus/Less: | Increase/decrease in value of work in progress |
| = | Gross output |

Net output

Net output represents the value added to materials by the process of production (including the margin on selling any merchanted or factored goods). It is calculated as follows:-

| | |
|-------|--|
| | Gross output |
| Less: | Purchases adjusted for change in value of stocks of fuel and raw materials |
| Less: | Payments for work given to other establishments |
| Less: | Payments for transport |
| = | Net output |

Net output per person employed

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

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes: of packaging materials including the cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to undertaking's own buildings, plants and vehicles when carried out by their own work people included in the returns: of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. In general, purchases of goods for merchandising or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded, as are all purchases charged to capital account. The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including an undertaking's own separate transport organisations for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at the c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivery cost if invoiced "carriage paid home". Materials and fuel transferred from another department of the undertaking not covered by the return are included at the estimated selling value recorded by the other department.

Sales

Sales are in respect of goods made by the business covered by the return or by other undertakings from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the undertakings' asset accounts. Goods sold without being subjected to any manufacturing process (i.e. merchanted or factored) and canteen takings are included.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis excluding any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packaging materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value.

Goods produced in one undertaking and transferred to another undertaking of the firm not covered by the return were treated as sales by the producing undertaking 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 were kept were valued on the same basis.

To the extent that sales of finished products of one undertaking constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication. In some industries e.g. motor vehicle manufacturing, and woollen and worsted, this duplication is substantial; and aggregates for a number of industries contain significant amounts of duplication. For work done on commission, sub-contract work, etc., the value shown is the total amount charged for the work, including the value of any materials bought and used in such work.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport,

or for any technical or other services rendered to other organisations.

Standard Industrial Classification

Industry classification is based on the Standard Industrial Classification (revised 1968). It is published by H M Stationery Office together with a separate index in the form of an alphabetical list of industries.

Stocks and work in progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the end of the year of return, including any stocks of goods held for merchandising or factoring. Values of the change during the year are also shown. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the end of, and the change during, the year are also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

Transport payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payment to other undertakings, and to any separate transport organisation of the same undertaking not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coastwise shipping, air, etc. Payments made for sea and air freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

Wages and salaries

These are amounts paid during the year to operatives and to administrative, technical and clerical employees. 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 any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to national insurances and pension schemes is excluded.

Work given out

The figures shown represent the total amount paid for work done by other undertakings on materials supplied to them. They do not include payments for business and other services.

SYMBOLS USED

The following symbols are used throughout the report:

- .. not available
- nil or less than half the final digit shown
- R revised

ROUNDING OF FIGURES

Figures in the tables have, where necessary, been rounded to the nearest final digit; there may be an apparent slight discrepancy between the sum of the constituent items and the total shown.

© Crown copyright 1975

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*