

Business Statistics Office

Business Monitor

Report on the Census of Production

Margarine



A publication of the Government Statistical Service

PA229.1

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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).

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Government Statistical Service

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Report on the Census of Production 1976

Margarine

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



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 |
| | Bacon curing, meat and fish products |
| PA214 | |
| 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 |
| | British wines, cider and perry |
| PA239.2 | |
| 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 |
| PA275 PA276 | Synthetic resins and plastics materials and |
| FA270 | |
| 04077 | 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 |
| PA333.1 | Pumps |
| PA333.2 | Valves |
| PA333.3 | Compressors and fluid power equipment |
| 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 | |
| PA339.3 | |
| | ventilating and air-conditioning equipment |
| PA339.5 | Scales and weighing machinery and portable |
| | power tools |
| PA339.7 | Food and drink processing machinery and |
| | packaging and bottling machinery |
| PA339.9 | Miscellaneous (non-electrical) machinery |
| PA341 | Industrial (including process) plant and steelwork |
| PA342 | Ordnance and small arms |
| PA349.1 | |
| PA349.2 | |
| PA351 | Photographic and document copying equipment |
| PA352 | Watches and clocks |
| PA353 | Surgical instruments and appliances |
| | |
| | |
| PA354 | Scientific and industrial instruments and systems |
| PA361 | Scientific and industrial instruments and systems Electrical machinery |
| PA361 PA362 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables |
| PA361 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and |
| PA361 PA362 PA363 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment |
| PA361 PA362 PA363 PA364 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components |
| PA361 PA362 PA363 PA364 PA365.1 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings |
| PA361 PA362 PA363 PA364 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings |
| PA361 PA362 PA363 PA364 PA365.1 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings |
| PA361 PA362 PA363 PA364 PA365.1 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment Electronic computers |
| PA361 PA362 PA363 PA364 PA365.1 PA365.2 PA366 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment Electronic computers Radio, radar and electronic capital goods |
| PA361 PA362 PA363 PA364 PA365.1 PA365.2 | Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment Electronic computers |

| tape recordings | PA500 | Construction |
|--|--------|----------------|
| sound reproducing | PA601 | Gas |
| Andread and a set of the set of t | PA602 | Electricity |
| | PA603 | Water supply |
| nic capital goods narily for domestic use | PA1002 | Summary tables |
| | | |
| | | |
| | (ii) | |
| | | |

| PA369.1 | Electrical equipment for motor vehicles, cycles |
|--------------------|--|
| PA369.2 | and aircraft Primary and secondary batteries |
| PA369.4 | Electric lamps, electric light fittings, wiring accessories, etc. |
| PA370 PA380 | Shipbuilding and marine engineering Wheeled tractor manufacturing |
| PA381.1 PA381.2 | Motor vehicle manufacturing Trailers, caravans and freight containers |
| PA382 PA383 | Motor cycle, tricycle and pedal cycle manufacturing Aerospace equipment manufacturing and repairing |
| PA384 | Locomotives, railway track equipment, railway carriages, wagons and trams |
| PA390 | Engineers' small tools and gauges |
| PA391 PA392 | Hand tools and implements Cutlery, spoons, forks and plated tableware, etc. |
| PA393 PA394 | Bolts, nuts, screws, rivets, etc. Wire and wire manufactures |
| PA395 PA396 | Cans and metal boxes Jewellery and precious metals |
| PA399.1 | Metal furniture |
| PA399.6 | Drop forgings, etc. Metal hollow ware |
| PA399.8 PA411 | Miscellaneous metal manufacture Production of man-made fibres |
| PA412 PA413 | Spinning and doubling on the cotton and flax systems Weaving of cotton, linen and man-made fibres |
| PA414 PA415 | Woollen and worsted Jute |
| PA416 | Rope, twine and net |
| PA417.1 PA417.2 | Hosiery and other knitted goods Warp knitting |
| PA418 PA419 | Lace Carpets |
| PA421 PA422.1 | Narrow fabrics Household textiles and handkerchiefs |
| PA422.2 | Canvas goods and sacks and other made-up textiles |
| PA423 PA429.1 | Textile finishing Asbestos |
| PA429.2 PA431 | Miscellaneous textile industries Leather (tanning and dressing) and fellmongery |
| PA432 PA433 | Leather goods Fur |
| PA441 PA442 | Weatherproof outerwear Men's and boys' tailored outerwear |
| PA443 PA444 | Women's and girls' tailored outerwear Overalls and men's shirts, underwear, etc. |
| PA445 | Dresses, lingerie, infants' wear, etc. |
| PA446 PA449.1 | Hats, daps and millinery Corsets and miscellaneous dress industries |
| PA449.2 PA450 | Gloves Footwear |
| PA461.1 PA461.2 | Refractory goods Building bricks and non-refractory goods |
| PA462 PA463 | Pottery Glass |
| PA464 | Cement |
| PA469.1 PA469.2 | Miscellaneous building materials and mineral products |
| PA471 PA472 | Timber Furniture and upholstery |
| PA473 PA474 | Bedding, etc. Shop and office fitting |
| PA475 PA479 | Wooden containers and baskets Miscellaneous wood and cork manufactures |
| PA481 PA482.1 | Paper and board |
| PA482.2 | |
| PA483 PA484 | Wallcoverings |
| PA484.2 PA485 | Printing, publishing of newspapers and periodicals |
| PA489 PA491 | General printing and publishing Rubber |
| PA492 PA493 | Linoleum, plastics floor-covering, leathercloth, etc. Brushes and brooms |
| PA494.1 | Toys, games and children's carriages Sports equipment |
| PA495 | Miscellaneous stationers' goods Plastics products |
| PA496 PA499.1 | Musical instruments |
| PA500 | 2 Miscellaneous manufacturing industries Construction |
| PA601 PA602 | Gas Electricity |
| PA603 | Water supply Summary tables |

PA229.1 MARGARINE

The information in this report relates to establishments classified to the Margarine industry, minimum list heading 229.1 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

Manufacturing margarine and compound cooking fats.

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|-------------------|---|--------------------|---|---|----------|
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| | | | | | |
| IST OF CONTENTS | Salada antimenta ci | | | | |
| | | | | | |
| Table Title No | a 183.05 | | | | |
| 1 Outp | put and costs, 197 | 73 - 1976 | | | |
| 2 Capi | ital expenditure, " | 1973 - 1976 | | | |
| 3 Stoc | ks and work in p | rogress, 1973 - 19 | 976 | | |
| 4 Anal | lysis of establishn | nents by size, 197 | 76 | | |
| | | of employment | net capital expend | iture, net output | and gros |
| | actor cost, 1976 | or employment, | net cepital experie | derivan en el | |
| | actor cost, 1976 centage analysis of | f twelve-month p | eriods covered by r) or more persons, " | eturns received fr | quint o |

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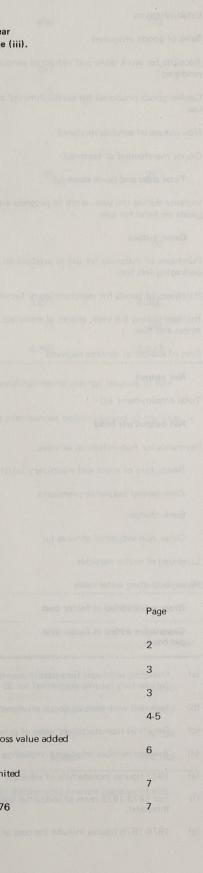


TABLE 1

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

| | Unit | 1973 | 1974 | 1975 | 1976 |
|---|------------|--------|---------|---------|-------------|
| Enterprises | Number | 14 | 18 | 15 | 16 |
| Establishments | " | 15 | 19 | 16 | 17 |
| Sales of goods produced | £ thousand | 94,357 | 185,719 | 182,886 | 202,774 |
| Receipts for work done and industrial services rendered | " | (b) | (b) | (b) | (b) |
| Capital goods produced for establishments' own use | | 175 | (b) | 249 | (b) |
| Non-industrial services rendered | | 202 | (b) | 336 | 170 |
| Goods merchanted or factored | " | 2,434 | 9,293 | 5,147 | 9,646 |
| Total sales and work done (c) | | 97,168 | 195,012 | 188,618 | 212,590 |
| Increase during the year, work in progress and goods on hand for sale | " | 677 | 332 | 470 | 1,156 |
| Gross output | " | 97,845 | 195,345 | 189,088 | 213,746 |
| Purchases of materials for use in production, and backaging and fuel | | 76,076 | 161,025 | 146,385 | 166,770 |
| Purchases of goods for merchanting or factoring | " | 2,313 | 8,674 | 4,923 | 9,068 |
| ncrease during the year, stocks of materials, stores and fuel | " | 109 | 3,210 | -839 | 5,050 |
| Cost of industrial services received | " | 387 | 490 | 931 | 1,089 |
| Net output | | 19,179 | 28,365 | 36,010 | 41,869 |
| Total employment (d) | Thousands | 3.9 | 3.7 | 4.2 | 4.3 |
| Net output per head | £ | 4,957 | 7,590 | 8,499 | 9,703 |
| Payments for non-industrial services | | | | | |
| Rents, hire of plant and machinery (e)(f) | £ thousand | 208 | 313 | 261 | 241 |
| Commercial insurance premiums | " | 126 | 145 | 195 | 279 |
| Bank charges | " | 5 | 13 | 10 | 18 |
| Other non-industrial services (g) | " | 2,588 | 3,329 | 4,434 | 5,901 |
| Licensing of motor vehicles | " | 5 | 6 | 6 | атиатиса 22 |
| Rates, excluding water rates | " | 208 | 303 | 474 | 501 |
| Gross value added at factor cost | " | 16,040 | 24,257 | 30,631 | 34,905 |
| Gross value added at factor cost per head | £ | 4,146 | 6,491 | 7,229 | 8,089 |

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

(b) Included with sales of goods produced.

Details of manufacturers' sales of principal products are published regularly in Business Monitor PO229.1. (c)

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

(e) 1973 figures include hire of vehicles.

For 1973-1975 rents of industrial and commercial buildings were not recorded separately. For 1976, the amount payable was £43 (f) thousand.

2

(g) 1974-1976 figures include the cost of hiring goods vehicles. TABLE 2

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

| | 20 | 07 |
|-------------------------------|-------|-------|
| Land and existing buildings | | |
| Acquisitions | 39 | 27 |
| Disposals | 11 | _ |
| Vehicles | | |
| Acquisitions | | |
| Motor cars | 29 | 52) |
| Other vehicles | 26 | 26) |
| Disposals | | |
| Motor cars | 7 | 16) |
| Other vehicles | 10 | 4) |
| Plant and machinery | | |
| Acquisitions | 2,097 | 2,130 |
| Disposals | 81 | 17 |
| Total net capital expenditure | 2,474 | 2,851 |

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

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

TABLE 3

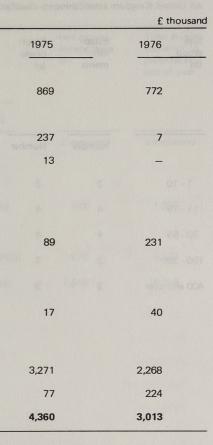
Stocks and work in progress, 1973 - 1976 All United Kingdom establishments classified to the industry (a)

| | | | | | E thousand |
|----------------------------|------------------------|--------------------|----------|------------------------------|-------------------------|
| | 1973 | 1974 | 1975 | | 1976 |
| | nw mannifitatin breach | den haltzinuren vo | Increase | a sub-semble charts " in " a | Value at end of year |
| Materials, stores and fuel | 109 | 3,210 | -839 | 5,050 | 10,005 |
| Work in progress | 62 | 8 | 28 | 14 | 647 |
| Goods on hand for sale | 615 | 340 | 442 | 1,142 | 4,139 |
| Total | 786 | 3,542 | -368 | 6,206 | 14,792 |

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

3





f thous

TABLE 4

PA229.1

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

| group (b) | | Estab- lish- ments | Enter- prises (c) | Employmen | t | 1923 | Wages and sal | dries (1) | | | |
|-------------------|--|---|---|--------------------------|--------------------------------------|--|--|--------------------|--|----------------------------|-------------------|
| | | | | Total | Opera- | Others | Operatives | | 0 | Others (e) | and south |
| | | | | (d) | tives | (e) | Total | per head | 16107 | Total | per head |
| | | Number | Number | Number | Number | Number | £ thousand | £ | f f | thousand | £ |
| 1 - 10 | 1 | 3 | 3 | 10) | | | | | | | |
| 11 - 19 | 1 | 4 | 4 |) 49) | 184 | 93 | 454 | 2,469 | | 284 | 3,056 |
| 20 - 99 | 1 | 4 | 4 |) 223) | | | | | | | |
| 00 - 39 | 19 | 3 | 3 | 734 | 463 | 271 | 1,178 | 2,544 | | 858 | 3,166 |
| .00 and | over | 3 | 3 | 3,299 | 2,472 | 827 | 8,489 | 3,434 | 3 | 3,323 | 4,018 |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| Total | | | | | | | | 3,245 | | 4,465 | 3,74 |
| | | 17 | 16 | 4,315 | 3,119 | 1,191 | 10,121 | 3,245 | 195 195 195 10 195 195 10 10 10 10 10 10 10 10 10 10 10 10 10 | 4,465 | 3,74 |
| (a) | Including e | 17 estimates for | 16 establishment | 4,315 | 3,119 tisfactory re | 1,191 eturns, non-resp | 10,121 | 3,245 | with fe | 4,465 | 3,74 |
| (a) (b) | Including e Average nu | 17 estimates for unber emplo | 16 establishment yed, including | 4,315 s not making sa | 3,119 tisfactory re me employe | 1,191 eturns, non-resp ses (see table 7) | 10,121 bonse and estab and working p | 3,245 lishments | with fe | 4,465 wer than 2 | 3,74 20 employ |
| (a) (b) (c) | Including e Average nu | 17 estimates for unber emplo | 16 establishment yed, including for the size gr | 4,315 | 3,119 tisfactory re me employe | 1,191 eturns, non-resp ses (see table 7) | 10,121 bonse and estab and working p | 3,245 lishments | with fe | 4,465 wer than 2 | 3,74 20 employ |
| (b) (c) | Including e Average nu The sum of more than | 17 estimates for umber emplo f the figures | 16 establishment yed, including for the size grup. | 4,315 s not making sa | 3,119 tisfactory re me employe | 1,191 eturns, non-resp ses (see table 7) | 10,121 bonse and estab and working p | 3,245 lishments | with fe | 4,465 wer than 2 | 3,74 20 employ |

4

| Total sales and work done (g) | Gross outp | | Vet output | | Gross value added at factor cost | |
|--|---|---|---|---|---|-------------|
| | | Group added factor | Total | per head | Total | per head |
| £ thousand | £ thousand | 1 1 10/0 3 | £ thousand | £ | £ thousand | £ |
| 12,653 | 12,689 | | 2,292 | 8,126 | (j) | (j) |
| 33,896 | 34,214 | | 6,687 | 9,110 | 6,863(j) | 6,755(|
| 166,041 | 166,843 | - | 32,890 | 9,970 | 28,042 | 8,500 |
| | | | | | | |
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| | | | | | | |
| 212,590 | 213,746 | | 41,869 | 9,703 | 34,905 | 8,089 |
| (f) The cost costs of c (g) Sales of g industria (h) New built | of employer anteens, is e loods produc l and non-inc ding work pl | s' contrib stimated æd, capit lustrial se us acquis | 41,869 Putions to natio for the industr al goods manuf ervices rendered sitions less dispo | 9,703 nal insurance, gra y at £2,204 thous actured, building and merchanted | 34,905 Iduated pensions, o sand. s constructed by e goods. existing buildings, | other |

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5

Net capital expenditure (h) Total stocks and work in progress at end of year

10,358

£ thousand £ thousand 194 1,255 973 3,179

1,846

0

3,013

14,792

sions and welfare schemes and the running

ents for their own use, work done,

nd plant and machinery.

PA229.1

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

| Area | Total employment (a) | | Net capital expenditure (b)(c) | | Net output, gross value added and employment in the region from returns received from establish- ments with more than 80 per cent of their employ ment in the region (d) | | | |
|--|-------------------------|----------------------------------|-----------------------------------|----------------------------------|---|-----------------------------------|----------------|--|
| | | | | | Net output | Gross va added at factor co | t pe ost re | mployment as a ercentage of total gional employmen the industry |
| and an | | per cent of United Kingdom | £ thousand | per cent of United Kingdom | £ thousand | £ thousa | ind | |
| Standard regions of England | | | | | | | | |
| North | | -100 | _ | _ | - | - | | - |
| Yorkshire and Humberside | 978 | 1000 <u>0</u> ,7650) | (168843) | - <u>97</u> 011,0 | 10,687 <u>8</u> 07,5 | 2,544 | | n |
| East Midlands | 348 <u>.</u> 1 | 00e. <u>3</u> | <u>90.0.85</u> | 0_0792,0 | 6,480,008,52 | 3.434 _ | | <u>n</u> 1963) |
| East Anglia | - | - | _ | _ | - | _ | | - |
| South East | * | * | * | * | * | * | | * |
| South West. | - | - | - | — | - | - | | - |
| West Midlands | * | * | * | * | * | * | | * |
| North West | 2.7 | 61.6 | 1,789 | 59.4 | 10,813 | 8,176 | 53 | k.1 |
| England | 4.0 | 91.7 | 2,687 | 89.2 | * | * | | * |
| Wales | - | - | - | | _ | _ | | - |
| Scotland | 0.4 | 8.3 | 326 | 10.8 | * | * | | * |
| Great Britain | 4.3 | 100.0 | 3,013 | 100.0 | 16,956 | 12,853 | 47 | .6 |
| Northern Ireland | - | - | _ | <u> </u> | - | - | | _ |
| Unallocated (e) | - | - | - | - | 24,913 | 22,053 | | - |
| United Kingdom (b) | 4.3 | 100.0 | 3,013 | 100.0 | 41,869 | 34,905 | | |

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

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

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

6

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

TABLE 6

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

| Accounting year ended | | Percentage of total re | eturns received | Percentage of total number employed | | |
|-----------------------|------------------------------|------------------------|----------------------|-------------------------------------|-------------------|--|
| | Really Hillshild analign the | per cent | There are not really | per cent | and the states of | |
| 1976 | April (a) | 0.0 | | 0.0 | | |
| | Мау | 0.0 | | 0.0 | | |
| | June | 0.0 | | 0.0 | | |
| | | | | | | |
| | July | 0.0 | | 0.0 | | |
| | August | 0.0 | | 0.0 | | |
| | September | 0.0 | | 0.0 | | |
| | | | | | | |
| • | October | 0.0 | | 0.0 | | |
| | November | 0.0 | | 0.0 | | |
| | December | 40.0 | | 57.5 | | |
| 1977 | January | 40.0 | | 21.2 | | |
| 1977 | January | 40.0 | | | | |
| | February | 0.0 | | 0.0 | | |
| | March (b) | 20.0 | | 21.2 | | |
| | | | | | | |
| | | | | the free being ident | 19月1日 的现在分词 | |

(a) From 6th April.

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

TABLE 7

(a)

Percentage analysis of employees, by full and part-time employment and sex, 1976(a) Food industries not elsewhere specified, minimum list heading 229

| | | Part-time |
|-------------------------|----------|---------------------------|
| in the statement of the | per cent | per cent |
| Male | 58 | and the should be and the |
| Female | 28 | 13 |

The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom in minimum list heading 229 at end June, 1976. In the 1976 Census of Production the employment of the Margarine industry represented 11 per cent of the employment of minimum list heading 229 as a whole.

Produced in Wales by Her Majesty's Stationery Office Reprographic Unit, Cardiff Dd.597332 K5 Cdf 21 2/79

7

PA229.1

| All employees | |
|------------------|-----------------------|
| per cent | and bank water |
| 59 | |
| 41 | |
| | |
| Contarts Last 14 | and the second second |

Source: Department of Employment

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, 1976.

GENERAL INFORMATION

Changes made for 1976

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

Sales of goods produced

Receipts for work done and industrial services rendered

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

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

Suppression of information relating to individual undertakings

Section 9(5)(b) of the Statistics of Trade Act 1947 states - "The following provisions shall have effect with respect to any report, summary or other communication to the public of information obtained under the foregoing provisions of this Act in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, however, that before disclosing any such total the competent authority shall have regard to any representations made to them by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deduced from the total disclosed."

If a figure involved disclosure the contributor concerned was sometimes asked to give permission for its publication. In the majority of cases permission was given. When it was refused and where contributors were not approached the figure has been suppressed, either by combining it with other figures, or as in the regional tables, by omitting the figure altogether.

Symbols used

The following symbols are used throughout the PA series of Business Monitors:

- .. not available
- nil or less than half the final digit shown figures cannot be shown owing to the risk of disclosing information about individual enterprises
- revised

Rounding of figures

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

Industrial classification

United Kingdom Standard Industrial Classification (SIC) was first issued in 1948 and was subsequently revised in 1958 and 1968. It exists to promote uniformity and comparability in the official statistics of the United Kingdom, The general principles followed are those of the International Standard Industrial Classification of all Economic Activities of the United Nations Statistical Office but the United Kingdom SIC reflects the organisation and structure of industry and trade as it exists in the United Kingdom. The SIC is a classification by activity and is not a commodity classification. However, an index of all commodity headings for which sales data are provided in the Quarterly Business Monitors, is published in Business Monitor PQ1000.

Statistical units

The statistical unit for the purpose of the Census is the establishment which is defined in the SIC as the smallest unit which can provide the information normally required for an economic census, for example, employment, expenses, turnover, capital formation. Usually the principal activities carried on in an establishment fall within a single heading of the classification (e.g. steel making or sugar refining). Typically the establishment embraces all the activities carried on at a single address e.g. a farm, a mine or a factory, including those which are ancillary to the principal activities. Frequently distinct activities characteristic of different industries are carried on at one address, but normally these are not classified separately and the whole establishment is classified according to the main activity. If, however, the required range of data can be provided for each activity, each is taken to constitute a separate establishment. Sometimes activities which are conducted as a single business are carried on at a number of addresses, Where this is so, businesses are asked to provide the full range of separate information in respect of each address; whether or not the activities are different. Their activities may, however, be integrated to such an extent that they constitute a single establishment. In the latter case the establishment is defined to cover the combined activities at these addresses (termed local 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 to ensure, by negotiating with respondents, that the return from an establishment does not cover local units or addresses in more than one of the countries of the United Kinadom.

Further information about the statistical unit appeared in an article "The statistical unit in business inquiries" in Statistical News No.13 May 1971.

Establishments are asked to exclude from their returns particulars relating to any department not engaged in production e.g. merchanting, transport, warehousing, for which they keep a separate set of Transfers of goods produced to such accounts. 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 gusiness Monitor PA1002) related establishments are combined. For these purposes an enterprise group may be defined as a business consisting of ther a single establishment or two or more stablishments under common ownership or control. ringing 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 f 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.

HE REGISTER

he register permits a questionnaire to be sent direct to the reporting establishment on which the latter can include information relating to all he manufacturing (or local) units which it omprises.

the inquiries provide a major source of information keeping the register continuously up-to-date and act as a check on its detail and structure. the establishments on the register making eturns to the quarterly inquiries, the industrial lassification is derived from an analysis of their ales of commodities and is reviewed annually. Employment data are entered on the register from eturns to the annual census of production. In cases where an establishment does not make a return o these inquiries the employment data are based on Information provided by the Department of Employent from the annual censuses of employment. stablishments with 20 or more employees are ncluded in the censuses each year and the informtion they supply to the census is supplemented by he returns that those with 25 or more employees provide to the quarterly inquiries. Information bout establishments with fewer than 20 employees n most industries is less securely based, but ncreasing use has been made of data on these small establishments supplied by the Department of imployment. One benefit of using this information s an improvement in the estimates of the number of maller establishments and enterprises, but there s little effect on other aggregates (e.g. employent, output, net capital expenditure).

overage

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

Regions

e regions defined in Table 5 take account of the oundary changes arising out of the Local overnment Act 1972 and the Local Government Act Scotland) 1973. These changes came into effect in pril 1974 in England and Wales and May 1975 in cotland.

ERMS USED IN THE CENSUS REPORT

verage number employed

stablishments were required to state the number persons on the payroll on average during the Dar of return, whether full-time or part-time mployees. Separate figures were required for:

(a) administrative, technical and clerical

employees

(b) all other employees (operatives)

erages could be calculated from the figures elating to the last week of each calendar month. tablishments were also required to state the

number of working proprietors where appropriate and these are included in total employment figures. Outworkers (i.e. persons employed by establishments who worked in their own homes etc. on materials supplied by the establishment) are excluded. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working proprietors These include all persons regarded as "selfemployed" for national insurance purposes and members of their families who worked in the business without receiving a wage or salary; but such persons who worked less than half the normal number of working hours are excluded. Directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading: directors paid by fee only are not included.

Employees

office employees. earners. are excluded.

Capital expenditure Capital expenditure during the year in respect of manufacturing units where production had not started before the end of the year is included. Establishments were asked not to deduct from the value of capital expenditure amounts received or expected to be received in grants or allowances from the Government or any statutory body or local authority. Establishments with 100 or more employees were asked to include a total net capital expenditure figure for each calendar year.

(a) New building work This represents the cost incurred during the year of new building and other constructional work to be used in connection with the business covered by the return. The value is that charged to capital account during the year of return; it includes expenditure on new buildings and on the extension or reconstruction of old buildings, the value of works of a capital nature carried out by the establishment's own staff and the cost of any newly constructed buildings purchased. Figures shown include legal charges, stamp duties, agents' commissions, etc.

(b) Land and existing buildings The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of assets acquired in taking over an existing business), and the amounts receivable for freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(c) Plant, machinery and vehicles

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc. which

Operatives include all other classes of employees. that is, broadly speaking, all manual wage 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

Administrative, technical and clerical employees include directors in receipt of a definite wage, salary or commission, managers, superintendents and works foremen; research and design employees (other than operatives); draughtsmen, editorial staff, advertising staff, travellers and all

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 obsoles-cence. The proceeds of items disposed of during the year exclude amounts written-off for items scrapped.

Cost of industrial services

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

Cost of non-industrial services

This includes rent of industrial and commercial buildings, hire of plant and machinery, commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport, advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc., manufacturing and quarrying rights and technical "know-how" are also included.

Gross output

In the calculation of gross output the value of total sales and work done is increased by the rise (or reduced by the fall) during the year in the value of work in progress and goods on hand for sale.

Net output

Net output, a customary census measure, is calculated by deducting from gross output the cost of purchases (reduced by the rise, or increased by the fall, during the year of stocks of materials etc.) and the cost of industrial services received, and where applicable, duties etc.

Net output per head

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

Gross value added at factor cost

Gross value added at factor cost is calculated by deducting from net output the cost of nonindustrial services (e.g. rent of buildings, hire of plant and machinery, commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport and advertising), rates (excluding water rates) and the cost of licensing motor vehicles. This estimate of gross value added approaches more closely than census net output to the definition of net output or value added in national accounts statistics.

Gross value added at factor cost per head

The figures of gross value added at factor cost per head are derived by dividing the gross value added by the average number of persons employed (full and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Purchases

Purchases include the cost of raw materials,

components, semi-manufactured goods and workshop industries this heading covers a wide variety of materials; of replacement parts and consumable activities, for example, within the food sector - 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 setablishments or the getat. out to other establishments for the production of raking and binding. Work done is also significant machinery or other capital items for the estab- in the electrical machinery and heavy engineering lishment's own use; of materials for use by the industries, covering erection, installation and establishment when working on goods supplied by repair and jobbing work. Other activities within customers; and of food, etc. for any canteen this heading include exploration work, research and covered by the establishment's return. Transfers development, glass cutting and dressing and planing of goods to the establishment from another departs of timber. ment of the same firm not covered by the establishment's return are included at a cost corresponding to the estimated selling value corresponding to the estimated sering value recorded by the other department. Amounts payable to transport firms or credited to the firm's own transport department for delivery of materials are excluded, as are all purchases of machinery and plant charged to capital account. Purchases of goods for merchanting or factoring have bee collected separately since 1973. The values shown exclude VAT. They include, in addition to the actual purchase price, the value of packaging material charged to the establishment. The value of returned goods or packaging material returned to suppliers and any trade discounts are excluded, Materials purchased duty-paid are included at their duty-paid value, less any drawback, rebate, etc. The cost of transport is included only if it is included with the purchase price in the firm's accounts. Imported goods are included at their full delivered cost. If in the firm's accounts the transport from docks or airport is not included in the cost of goods purchased, the cost is entered at c.i.f. plus duty (if applicable). Leasing, renting and hire purchase charges are excluded.

Sales of goods produced

Sales for the purposes of the annual censuses means deliveries on sale of goods made by estab-lishments in the United Kingdom covered by the inquiry. Sales of goods made for these establishments by outworkers or by other establishments from materials given out to them and sales of waste products are included. New building work and machinery or other capital items produced by establishments for hiring out or leasing are regarded as sales, the value included in the regarded as sales, the value included in return being that adopted in the establishments capital asset accounts. Forward sales and canteed takings are excluded. All sales in the period of the inquiry are included irrespective of when the goods were manufactured. Goods produced in establishment and transferred either to ancillar 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 the producing establishment and valued as far as possible as they had been sold to an independent purchaser Goods transferred to wholesale or retail selling organisations, for which separate accounts a kept are valued on the same basis.

The value shown for sales is the "net selling value" defined as the amount (excluding value added tax) charged to customers whether on a ex-works or delivered basis, after any trad discounts and agents' commissions have be deducted. The cost of packing materials les allowance for returnable cases is included. value stated is usually inclusive of duty if sol duty-paid and exclusive of duty if duty-paid and exclusive of duty if sold in bond a exported.

Work done and industrial services rendered Figures for work done represent the amount charge for work carried out on materials supplied by customer and include repair work. Within certain

Industrial services rendered include repairs and alintenance, installation work, and technical research and studies for other organisations.

Capital goods produced for establishments' own use This includes all work of a capital nature carried out during the year by the establishments' own staff for their own use.

on-industrial services rendered

his includes rents received for commercial and ndustrial buildings, amounts charged for hiring nut plant, machinery and other goods and amounts charged to other organisations for the provision of ransport. It also includes amounts received for he right to use patents, trademarks, copyrights rice, manufacturing and quarrying rights and tech-nical "know-how" and revenue from such staff facilities as canteens.

oods merchanted or factored

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

ocks and work in progress

lues are given of stocks of goods on hand for ale and of materials, stores and fuel, at the end the year of return and of the change during the ear, including any stocks of goods held for erchanting or factoring. Work in progress is efined as materials which have been partially rocessed by the establishment but which are not sually sold or transferred to another estab-ishment without further processing. The values nclude the cost of materials consumed and labour sed, together with a margin of overhead costs and rofits. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not reducted.

ages and salaries hese are amounts paid during the year to peratives and to administrative, technical and derical employees. Payments to working ror ietors, whether called salaries or not, are kcluded. The values shown include all overtime ayments, bonuses and commissions, whether paid egularly or not, and no deduction is made for ncome tax, insurances, contributory pensions etc. le value of redundancy payments less any amounts elmbursed from Government sources is included. ^{ne} value of any payments in kind, travelling ^{Apenses} etc. is excluded.

^{emuner}ation paid to outworkers ^{le remuneration paid to outworkers (i.e. persons} ployed by the establishment who do their work in heir own homes) is generally on a piece-work asis. Only amounts paid to outworkers whose names ppear on the establishment's payroll are included. ounts paid to outworkers by sub-contractors are · bebul:

ployers' insurance and welfare contributions item includes employers' contributions to lonal insurance and graduated pensions (and/or nings related basic contributions under the

Social Security Act, 1973) as well as commercial insurance premiums to provide pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability 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

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