## 30 Pharmaceutical chemicals and preparations

This Report on the Pharmaceutical Chemicals and Preparations Industry relates to establishments wholly or mainly engaged in manufacturing products for therapeutic and prophylactic use (including veterinary) and chemicals for compounding into such products, including the same chemicals when used subsequently as additives to foods and drinks.

This industry corresponds to minimum list heading 272 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census.
The industry corresponds to the Pharmaceutical Preparations Industry (Part 28) (except for surgical and medical dressings etc not wholly of cotton and surgical sutures) in the Reports on the last detailed Census of Production for 1963 but also includes pharmaceutical chemicals which were part of the General Chemicals Industry (Part 27) and medicines, spices and condiments specifically for animals, poultry etc included in the Animal and Poultry Foods Industry (Part 15). Surgical and medical dressings etc not wholly of cotton and surgical sutures form part of the Report on Surgical Bandages, etc (Part 42) for 1968.
Throughout this Report the figures given for 1963 have been reclassified, as far as possible, according to the Standard Industrial Classification (Revised 1968) so that data for 1963 and 1968 are on the same industrial basis. However the reclassification of small firms, which provided limited information only, has been arbitrary.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

## TABLE 1 Industry summary, 1963 and 196

United Kingdom (a) (b)

| Table No. | Title | Page |
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|  | SECTION I - Estimates for all establishments in the industry |  |
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| 8 | Production of certain principal products of the industry by larger establishments, 1963 and 1968 | $\begin{aligned} & \text { DOES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 9 | Purchases by 1 arger establishments of selected principal products of the industry, 1968 | $\begin{aligned} & \text { DOES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 10 | Purchases by larger establishments in the industry, 1963 and 1968 | 30/16 |
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| 13 | Percentage analysis of twelve-month periods covered by returns from larger est abl i shment s, 1968 | 30/20 |

## Footnotes continued from page $30 / 3$

(c) Including services rendered to other organisations (anounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services machinery
rendered).
(d) Administrative, technical and clerical employees
(e) Excluding expenditure for establishments not yet in production.
(f) Acquisitions less disposals.

|  | Unit | All establishments |  |
| :---: | :---: | :---: | :---: |
|  |  | 1963 | 1968 |
| Number of enterprises | No. | 306 | 283 |
| Number of establishments | " | 359 | 336 |
| Gross output | £'000 | 237, 221 | 347, 243 |
| Net output | " | 136,674 | 195,603 |
| Net output per head | £ | 2,263 | 3,497 |
| Sales and work done $\quad\{$ goods produced and work done (c) | £'000 | 215,233 | 320,470 |
| Sales and work done $\{$ merchanted goods and canteen takings | " | 19,694 | 21,586 |
| Net amounts received in respect of Customs and Excise rebate and drawback on alcohol, etc | " | 3,398 | 5,125 |
| Purchases $\quad\left\{\begin{array}{l}\text { materials for use in production and } \\ \text { packaging and fuel } \\ \text { goods for }\end{array}\right.$ | " | 87,737 | 136,359 |
| $\begin{aligned} & \text { goods for merchanting and canteen } \\ & \text { purchases } \end{aligned}$ | " | 14,147 | 17, 264 |
| $\left\{\begin{array}{l}\text { for work done on materials given out } \\ \text { for transport }\end{array}\right.$ | " | 1,051 | 2,137 |
| Payments to other organisations $\quad\left\{\begin{array}{l}\text { by road } \\ \text { by rail and other means excluding } \\ \text { postal services }\end{array}\right.$ | " | 2,682 | 2,176 527 |
| Stocks and work in progress |  |  |  |
| Total stocks and work in progress $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ |  | $\begin{array}{r} +\quad 3,966 \\ 51,548 \end{array}$ | $\begin{array}{r} 6,885 \\ 73,480 \end{array}$ |
| Goods on hand for sale $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} 97 \\ -\quad 17,763 \end{array}$ | $\begin{array}{r} 1,700 \\ 24,789 \end{array}$ |
| Work in progress $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} 2,390 \\ 15,460 \end{array}$ | $\begin{array}{r} +\quad 3,486 \\ 23,591 \end{array}$ |
| Materials, stores and fuel $\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $\begin{array}{r} 1,673 \\ +18,326 \end{array}$ | $\begin{array}{r} 1,699 \\ 25,101 \end{array}$ |
| ( total, including working proprietors | Th. | 60.4 | 55.9 |
| Number employed on average during the year |  | 33.0 | 29.9 |
| ( ${ }_{\text {other employees ( }}(\mathrm{d})$ | " | 27.2 | 25.9 |
| Yages and salaries $\quad\{$ of operatives | $£^{\prime} 000$ | 17,798 | 24,421 |
| Capital ${ }^{\text {a }}$ ( of other employees (d) | " | 26,524 | 34,533 |
| Total | " | 9,210 | 16,889 |
| New building work | " | 3,602 | 5,185 |
| Land and existing buildings (f) | " | 225 | 89 |
| Plant and machinery ( f ) | " | 5,122 | 10,910 |
| Vehicles (f) |  | 710 | 704 |

a) For 1968, estimates for establishments not making satisfactory returns and for small establishments from which only employment data were collected, accounted for 5 per cent. of the total figures in
which they were incorporated: of this, unsatisfactory returns accounted for 2 per cent. For 1963 the comparable figures were 3 per cent. and 1 per cent. respectively.
The following information relates to small establishments (employing fewer than 25 persons) in this
industry. It includes an estimate for small establishments not
It
industry. It includes an estimate for small establishments not making satisfactory returns

|  | 1963 | 1968 |
| :--- | ---: | ---: |
| Number of establishments | 182 | 178 |
| Average number employed: | 214 | 165 |
| Working proprietors | 1,434 | 1,469 |

1968
verage number employed:
Other persons employed
rootnotes continued on page $30 / 2$

TABLE 2 Analysis by size of establishment within the industry, 1968 (i) On:tput and employment

All establishments: United Kingdom

| Number employed on average during the year by the establishment (a) | $\begin{aligned} & \text { Estab- } \\ & \text { Esish- } \\ & 1 \text { ment } \end{aligned}$ | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \\ & \text { (b) } \end{aligned}$ | Total number employed on average during the year (a) | Gross output | $\begin{gathered} \text { Net } \\ \text { Nutput } \end{gathered}$ | Net output per head |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | £ ${ }^{\prime} 000$ | $£^{\prime} 000$ | £ |
| 1-5 |  |  | 206 |  |  |  |
| 6-10 | 31 | 31 | 235 |  | - | - |
| 11-24 | 58 | 57 | 1,098 | .. |  | . |
| 25-49 | 23 | 23 | 823 | 5,408 | 2,606 | 3, 166 |
| 50-99 | 32 | 26 | 2,182 | 16,114 | 5,717 | 2,620 |
| 100-199 | 31 | 30 | 4,827 | 24,840 | 13,136 | 2,721 |
| 200-299 | 15 | 15 | 3,702 | 26,156 | 11, 297 | 3, 052 |
| 300-399 | 9 | 8 | 3,124 | 20,548 | 12,417 | 3,975 |
| 400-499 | 6 | 6 | 2,676 | 16,267 | 9,086 | 3,395 |
| 500-749 | 11 | 10 | 6,785 | 49,018 | 25, 187 | 3,712 |
| 750-1, 499 | 16 | 14 | 16,853 | 107,431 | 64,100 | 3,803 |
| 1,500 and over |  | 5 | 12,246 | 70,437 | 42,488 | 3,470 |
| Unsatisfactory returns | 26 | 25 | 1,180 | . | . . | . |
| Total | 336 | 283 | 55,937 | 347,243(c) | 195,603(c) | 3,497(c) |

(ii) Fmployees, wages and sal aries

All establishments: United Kingdom

| Number employed on average during the est abl i shment (a) | Employees |  | Wages and sal aries |  | Wages and sal aries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Openatives | $0 \text { thers }$ (d) | Operatives | 0thers (d) | $\begin{aligned} & \text { oper- } \\ & \text { atives } \end{aligned}$ | 0 thers (d) |
|  | Number | Number | $£^{\prime} 000$ | £'000 | \& | £ |
| 6-10 |  | $\ldots$ | .. | - | . | $\cdots$ |
| 11-24 |  | . | . |  |  |  |
| 25-49 | 513 | 296 | 352 | 351 | 686 | 1,185 |
| 50-99 | 1,398 | 774 | 910 | 921 | 651 | 1,190 |
| 100-199 | 2,889 | 1,934 | 1,941 | 2,621 | 672 | 1,355 |
| 200-299 | 2,288 | 1,414 | 1,758 | 1,934 | 768 | 1,368 |
| 300-399 | 1,444 | 1,680 | 1,043 | 2,233 | 722 | 1,329 |
| 400-499 | 1,634 | 1,042 | 1,128 | 1,356 | 691 | 1,301 |
| 500-749 | 3,592 | 3, 193 | 2,877 | 4,366 | 801 | 1,367 |
| 750-1, 499 | 8,743 | 8,110 | 8,024 | 10,758 | 918 | 1,327 |
| 1,500 and over | 5,996 | 6, 250 | 5,289 | 8,395 | 882 | 1,343 |
| Unsatisfactory returns |  | . |  |  |  |  |
| Total | 29,855(c) | 25,887(c) | 24,421(c) | 34,533(c) | $818(\mathrm{c})$ | 1,334(c) |

(a) Including working proprietors.
(b) The sum of the figures for the size groups exceeds the total for the industry to
(b) The sum of the figures for the size groups exceeds the total for the industry
the extent that enterprises made returns for establishments in more than one size group.
(c) Including estimates for establishments employing fewer than 25 persons and for
establishments not making satisfactory returns.
(d) Administrative, technical and clerical employees

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

| All establ ishments: United Kingdom |  |  |  |
| :--- | :---: | :---: | :---: |
| Ages | Mal es | Females | All employees |
| Under 18 | Per cent. | Per cent. | Per cent. |
|  | 1 | 3 | 4 |
|  | 54 | 42 | 96 |
|  | 55 | 45 | 100 |

Source: Department of Employment
(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for Standard Industrial Classification, (Revised 1968)

Footnotes to Table 4.
(a) Some establishments employing fewer than 25 persons wer ncluded in returns for larger establi shments. The amounted to 2 establishments in 1968 and 9 in 1963.
(b) Including services rendered to other organisations (amount for providing transport, or for technical or other servi, rendered).
(c) Direct sales of goods (excluding canteen takings) made to and work done for, the general public by larger establishments are included. These amounted to $£ 283,000$
in 1968 . Similar information is not
(d) This is the ratio of tormalion is not available for 1963 by the industry to total sales of goods produced and work done.
(.e) The total Customs and Excise duty paid was $£ 1,575,000$ for
1963 and $£ 1,890,000$ for 1968 .
(f) Administrative, technical and clerical employees
(g) Excluding expenditure for establishments not yet in

TABLE 4 Analysis of larger establishments, 1963 and 1968
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

|  | Unit | 1963 | 1968 |
| :---: | :---: | :---: | :---: |
| Number of enterprises | No. | 129 | 103 |
| Number of establishments |  | 182 | 150 |
| Gross output | £'000 | 229,617 | 330,644 |
| Net output |  | 132,294 | 186, 253 |
| Net output per head | £ | 2,263 | 3,497 |
| les and work done $\quad\{$ goods produced and work done (b)(c) | £'000 | 208,335 | 305,151 |
| merchanted goods and canteen takings |  | 19,063 | 20,554 |
| Index of specialisation (d) | Per cent. | 86 | 88 |
| Net amounts received in respect of Customs and Excise rebate and drawback on alcohol, etc (e) | £’000 | 3,289 | 4,880 |
| Purchases $\quad\left\{\begin{array}{l}\text { materials for use in production and } \\ \text { packaging, and fuel }\end{array}\right.$ | £’000 | 84,925 | 129,841 |
|  |  | 13,694 | 16,439 |
| $\int \begin{aligned} & \text { for work done on materials given out } \\ & \text { for transport }\end{aligned}$ | " | 1,017 | 2,035 |
| Payments to other organisations $\quad\left\{\begin{array}{c}\text { by road }\end{array}\right.$ |  |  | 2,072 |
| by rail and other means excluding postal services | " | 2,596 | 502 |
| Stocks and work in progress |  |  |  |
| Goods on hand for sale $\quad\{$ change during year | ${ }^{\prime}$ | - 94 | + 1,619 |
| at end of year | " | 17,193 | 23,604 |
| Work in progress $\quad\{$ change during year | " | + 2,313 | + 3,319 |
| $\{$ at end of year | " | 14,964 | 22,463 |
| Materials, stores $\quad\{$ change during year | " | + 1,619 | + 1,618 |
| and fuel $\}$ at end of year | " | 17,738 | 23,901 |
| [ total, including working proprietors | No. | 58,466 | 53,263 |
| Number employed on average during the year | " | 32,015 | 28,525 |
| other employees (f) | " | 26,425 | 24,708 |
| Wages and salaries $\quad\{$ of operatives | £’000 | 17,302 | 23,345 |
| \{of other employees (f) | " | 25,770 | 32,962 |
| Wages and salaries $\quad\{$ operatives | £ | 540 | 818 |
| per head (other employees (f) | " | 975 | 1,334 |
| Capital expenditure (g) |  |  |  |
| New building work | £'000 | 3,487 | 4,938 |
| Land and existing $\quad\{$ acquisitions | " | 90 | 243 |
| buildings $\{$ disposals | " | 307 | 158 |
| Plant and machinery $\quad\left\{\begin{array}{l}\text { acquisitions }\end{array}\right.$ | " | 5,186 | 10,616 |
| disposals | " | 228 | 227 |
| Vehicles $\quad\{$ acquisitions | " | 1,394 | 1,226 |
| disposals | " | 707 | 555 |

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom


TABLE 5 (continued)


TABLE 5 (continued)


TABLE 5 (continued)


PHARMACEUTICAL CHEMICALS (chemicals for therapeutic or prophylactic (includin veterinary) , use, unmixed and uncompounded, including organo-therapeutic extracts of
glands, ete, steroids, etc and vaccines, etc, in all forms but excluding other products
glo
Antibiotics:
Penicillin, its salts and derivatives
Streptomycin and dihydrostreptomycin (in terms of base)
Other antibiotics
Other antibiotics
Steroid preparations (cortisone, hydrocortisone, etc), hormones and similar products
having analogus physiological properties not elsewhere specified (all forms
including sales in Sulphonamides (other thanded forms
Acetylsalicylic acid (aspirin, other than aspirin tablets) and salicylates
$\begin{array}{ll}\text { Alkaloids, their salts and other deri } & \text { 1,778 }\end{array}$
Morphine, codeine, ethylmorphine and other derivatives of morphine
Other alkaloids
Organo-inorganic compounds for medicinal uses not el
Anaesthetics, general and local, not el sewhere specified (other than compressed gases)
Barbituric acid, its salts and derivatives
ns, including sales in measured doses)
Other organo-therapeutic extracts of glands or other organs or of their secretions
(all forms including sales in measured doses)
Saccharin, including substances of a like nature or use (other than saccharin tablets) 1,344

Vaccines, sera and other serological products (all form tablets) 786
measured doses)
Vitamins, provitamins, etc their salts and esters
Unclassified pharmaceutical chemicals, not el sewhere specified
Unclassified pharmaceutical chemicals
Total pharmaceutical chemicals

## Footnotes to Table 5 (continued).

PHARMACEUTICAL PREPARATIONS, mixed or compounded in all forms, and unmixed
put up in prepared forms artic
(including veterinary) use

Preparations put up for injection

Penicillin


Other (excluding steroi
etc and vaccines, etc)

Tablets, pills, lozenges, capsules, etc and powders put up in prepared forms or doses
(excluding heal th salts and salines, medicated confectionery and chemical and mineral excluding heal th sa)
additives for foods)
Aspirin and aspirin compounds
$\begin{array}{lr}\text { Alkaloids (morphine, codeine, etc and derivatives) } & 1,679\end{array}$
Antibiotics
Penicillin
0 ther
Barbiturates
Sulphonamides
Vitamins
0ther
Ointments, lotions, liniments and liquid dressings of like use put up in prepared
forms (excluding general purpose disinfectants and preparations for pest and plant
ontrol)
Antiseptic preparations specifically for medicinal use (including gargles, mouth Antibiotics
Antibiotics
Other
Other (including insect-repellent ointments and dressings, anti-sunburn lotion
etc)
$\begin{aligned} & \text { Liquid and emulsion preparations, syrups and elixirs specifically formedicinal use } \\ & \text { put up in prepared forms or doses (excluding lotions, liniments, dressings etc) }\end{aligned} \quad 15,875$
Galenicals not put up in prepared forms or doses (including bulk sales for blending,
Confectionery, medicated (including that containing therapeutic doses and the like) $\quad 4,813$
Health salts and salines
Malt extract and malt mixtures for medicinal use (with cod liver oil or halibut
liver oil, etc)
Medicated and tonic wines
Patent and proprietary foods and food drinks including infants' and invalids' food,
medicinal
Medicinal oils not included elsewhere 3,330
Chemical and mineral additives and supplements for foods and feeding stuffs
(including animal)
Vitamins, phosphates,
Antibiotics (including mixtures containing antibiotics)
6,327
1,488
Medicines, spices and condiments specifically for animals, poultry, ete not
elsewhere specified
Other pharmaceutical preparations
Total pharmaceutical chemicals and preparations
8,974
189,822
(b) The figure represents the total number of returns made by larger firms in this industry which is less than the total number of establishments in Table 4 on account of combined returns
covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

| Analysis of returns received, United Kingdom |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: |

## Footnotes to Table 6.

(a) The references given are to the list of industries at the front of this report,
(b) Owing to the differences in the detail collected for 1963 and 1968 it is not possible to obtain a great degree of comparability at commodity level. The information for 1963 is made up as a great
follows:-

PhARMACEUTICAL CHEMICALS (chemicals for therapeutic or prophylactic (including
veterinary) use, unmixed and uncompounded, including organo-therapeutic extracts of
put up in measured doses)
PHARMACEUTICAL PREPARATIONS mixed or compounded in all forms and unmixed
put up in prepared forms or
(including veterinary) use.
Tablets, pills, lozenges, capsules, etc and powders put up in prepared forms or doses
(excluding heal th salts and salines, medicated confectionery and chemical and mineral
Ointments, lotions, liniments, and liquid dressings of like use put up in prepared
forms (excluding general purpose disinfectants and preparations for pest and plant
control)
Malt extract and malt mixtures for medicinal use (with cod liver oil or halibut liver
oil, etc) and patent and proprietory foods and food drinks including infants' and oil, etc) and patent and
invalids' food, medicinal
Other pharmaceutical preparations
Total

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968
Establishments employing 25 or more persons


TABLE 7 (continued)

|  | 1963 | 1968 |
| :---: | :---: | :---: |
|  | Value | Value |
|  | $£^{\prime} 000$ | £'000 |
| Pesticides and disinfectants |  |  |
| Disinfectants |  | 1,998 |
| Formulated pesticides |  |  |
| Sheep and cattle dips and dressings and seed dressings |  | 143 |
| Insecticides | 4,478 | 629 |
| Fungicides |  |  |
| 0 rganic compounds |  | 534 |
| Inorganic compounds |  | 94 |
| Rodenticides |  | 32 |
| 0 ther preparations for pest and plant control |  | 3,090 |
| Household deodorisers |  | 167 |
| Surgical dressings | 2,837 | 1,403 |
| 0 ther goods |  | 2,457 |
| Services rendered to other organisations (a) | 1,082 | 1,314 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | 18,253 | 19,653 |
| Canteen takings | 810 | 901 |
| Total | 47,544 | 57, 823 |

(a) Amounts charged for hiring out plant, machinery or other goods, for providing

Amounts charged for hiring or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968 Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quant ity | Cost | Quantity | Cost |
| Materials for use in production <br> Precipitated chalk, talc, magnesium carbonate and other powder bases <br> Aromatic raw materials <br> Essential oils (natural, other than turpentine) <br> Compound oils (perfumery bases) <br> Floral concretes and absolutes <br> Perfumery chemicals, synthetic <br> Natural waxes <br> Synthetic waxes (and mixed waxes) <br> Milk and milk powder <br> Mal t <br> Glucose, lactose and other sweetening agents (excluding saccharin and cyclamates) <br> Corn-steep liquor <br> Vegetable and animal oils and fats <br> Glycerol (glycerine) <br> Distilled <br> 0 ther |  | £'000 |  | £'000 |
|  |  | (a) | . | 482 |
|  |  |  |  |  |
|  | . | 21(b) | . | 493 |
|  |  | (a) | .. | 317 |
|  |  | (a) | . | 29 |
|  | . | (a) | . | 408 |
|  |  | (a) |  | 174 |
|  |  | (a) |  | 96 |
|  |  | 259 |  | 198 |
|  |  | 208 |  | 431 |
|  | . | 2,014 | $\cdots$ | 2,623 |
|  |  | (a) |  | 237 |
|  |  | 14(b) |  |  |
|  |  | 14(b) |  | 1,374 |
|  |  |  |  |  |
|  |  | 353 |  | 436 |
| Dyestuffs and pigments <br> General chemicals (excluding pharmaceutical chemicals) (c) <br> Inorganic (including inorganic gases) <br> 0 rganic (including organic gases) <br> Ethyl al cohol <br> Duty-free <br> Duty-paid <br> Heterocyclic compounds <br> Solvents <br> 0 ther <br> 0 ther chemicals (eg mixtures of inorganic and organic chemicals) <br> Surface active materials (other than washing or scouring preparations) including wetting and emulsifying agents, sulphonated or sulphated oils, al cohols and hydrocarbons <br> Other <br> Pharmaceutical chemicals (chemicals for therapeutic or prophylactic, including veterinary use, unmixed and uncompounded, including organo-therapeutic extracts of glands, etc but excluding products put up in measured doses) (d) <br> Anti-infective agents <br> Antibiotics (not in prepared form) <br> Penicillin <br> Tetracyclines <br> Other |  |  |  | 164 |
|  |  | 63(b) |  | 155 |
|  |  |  |  |  |
|  |  | 3,875 |  | 5,905 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | 252 |  | 440 |
|  |  | 4,654 |  | 6,596 |
|  |  |  |  | 5,847 |
|  |  | 12,017 |  | 2,381 |
|  |  |  |  | 9,401 |
|  |  |  |  |  |
|  |  | 19(b) $\{$ |  | 772 |
|  |  |  |  | 7,273 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  | 2,744 |
|  |  | 3,087 |  | 1,619 |
|  |  |  |  | 1,885 |

TABLE 10 (cont inued)

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
| Pharmaceutical chemicals (chemicals for therapeutic or prophylactic, including veterinary use, unmixed and uncompounded, including organo-therapeutic extracts of glands, etc but excluding products put up in measured doses) (d) (cont inued) |  |  |  |  |
|  |  |  |  |  |
| Anti-infective agents (continued) |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Other ${ }_{\text {Ote }}$ |  |  |  |  |
| Pharmaceutical chemicals af fecting metabolism and nutrition (including insulin) |  |  |  |  |
| Vitamins, provitamins, their salts and esters |  |  |  |  |
| and nutrition (including insulin) |  |  |  |  |
| Pharmaceutical chemicals acting on the nervous system |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Medicinal and mineral oils and paraffin (other than for use as fuel) (g) |  | 863 | .- | 412 |
|  | $\begin{gathered} \text { Th.gal. } \\ 46.3 \end{gathered}$ | 14 | $\begin{gathered} \text { Th.gal. } \\ 29.4 \end{gathered}$ | 11 |
| Lubricating oils and greases | Th.ewt. 0.6 | 3 | $\begin{gathered} \text { Th.cwt. } \\ 0.5 \end{gathered}$ | 6 |
|  |  | 14 | .. | 11 |
| Replacement parts for firms, own machinery, plant and vehicles, and accessories and consumable tools bought as replacement |  |  |  |  |
| $\left.\begin{array}{l}\begin{array}{l}\text { Tyres and other spare parts for firms, own road } \\ \text { goods vehicles }\end{array}\end{array}\right\}$.. |  |  |  |  |
|  |  |  |  |  |
|  | .. | 16,217 | . | 12,550 |
| Packaging materials |  |  |  |  |
| Paper and board |  |  |  |  |
| Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard |  | 4,279 | . | 4,584 |
| Fibreboard packing cases |  |  | .. | 1,129 |
| Bags and multiwall paper sacks |  | (h) | .. | 133 |
| Wrapping and packing paper (including paper coated with plastics and any laminates incorporat ing paper but not metal) |  |  |  | 558 |
| Paper and board for converting into packaging materials | . | 1,336 |  | 172 |
| 0 ther packaging materials of paper and paperboard (including moulded pulp units and labels) |  |  |  | 1,441 |

Materials for use in production (cont inued)
Pharmaceutical chemicals (chemicals for therapeutic
prophylactic, including veterinary use, unmixed and prophylactic, including veterinary use, unmixed and
uncompounded, including organo-therapeut ic extracts of uncompounded, inctach ind etc but excluding products put up in measured doses) (d) (continued)

Anti-infective agents (continued)
Vaccines
Other anti-infective agents
Hormones (excluding insulin)

Other
Pharmaceutical chemicals affecting metabolism and atrition (including insulin)
 and nutrition (including insulin) Acetylsalicylic ac id
Other pharmaceutical chemicals acting on the -

Other
edicinal and mineral oils and paraffin (other tha Lubricating oils and greases

Replacement parts for firms' own machinery, plant and as replacement
Tyres and other spare parts for firms, own road goods vehicles
-
Packaging materials
Paper and board
Boxes, cartons, drums and canisters
metal ends) of paper and cardboard
Fibreboard packing cases
Bags and multiwall paper sacks
Wrapping and packing paper (including paper coated but not metal)
Paper and b
materials
other packing materials of paper and paperboard (including moulded pulp units and labels)

TABLE 10 (cont inued)


TABLE 10 (cont inued)

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quant ity | Cost | Quantity | Cost |
|  | Th.kWh | £ ${ }^{\prime} 000$ | Th.kWh | $£^{\prime} 000$ |
| Fuel and electricity (i) (cont inued) | 261,309 | 1,438 | 424,395 | 2,479 |
| Electricity |  | (h) |  | 27 |
| 11 other fuels Total cost of materi |  | 84,925 |  | 129,841 |
| Total cost of materia Goods purchased for merchanting |  | 12,971 |  | 15,503 |
| Goods purchased for merchanting |  | 723 |  | 936 |
| Canteen purchases |  | 98,619 |  | 146,280 |

(a) Included in 'All other materials for use in production' for 1963.
(b) So far as separately recorded in 1963.
(c) For 1963 described as 'Heavy chemicals (acids, alkalis, alcohols, other inorganic and organic
(c) For 1963 described as 'Heavy chemicals (acmicals, compressed gases, etc) including pharmaceutical grades of heavy chemicals'.
(d) For 1963 described as 'Pharmaceut ical chemicals (ie chemicals for therapeutic or prophylactic
use, unmixed or uncompounded, excluding unmixed products put up in measured doses for
therapeutic or prophylactic use)'.
(e) For 1963 included
(f) Including salicylates for 1963.
oils and paraffin (other than for use as fuel).
(h) Not recorded separately for 1963 .
(i) 0 wing to the risk of disclosure of information relating to individual firms, total quant ities
owing ectricity generated in firms, own establishments in this industry in 1963 and 1968 cannot
be given.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establ ishments employing 25 or more persons.
Analysis of returns received, United Kingdom

(a) Excluding tyres and other spare parts for road goods vehicles,

Excluding tyres and other spare
not collected separately for 1963

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

|  | Amount payable |  |
| :--- | ---: | ---: |
| Repairs and maintenance to | 1963 | 1968 |
| Buildings | $£{ }^{\prime} 000$ | $£, 000$ |
| Road goods vehicles | 710 | 746 |
| Plant, machinery and other capital equipment | 92 | 110 |
| Insurance, licensing and depreciation of road goods |  |  |
| vehicles (b) | 1,021 | 1,864 |
| Rates, excluding water rates | 326 | . |
| Hire of plant and machinery |  |  |
| Postage, telephone, telegrams, cables and telex (c) | 1,186 | 1,786 |
| Total |  |  |

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.
(b) For details see Table 11 .
(c) Excluding telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establ ishments, 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| Year ended | Percentage <br> oftotal returns <br> received | Percentage <br> of tot number <br> employed |
| :--- | :---: | :---: |
| April (a) | Per cent. | Per cent. |
| May | - | - |
| June | 2.4 | 0.5 |
| July | 9.8 | 17.4 |
| August | 0.8 | 0.1 |
| September | 1.6 | 6.7 |
| 0ctober | 3.3 | 0.6 |
| November | 11.4 | 5.2 |
| December | 39.8 | 12.2 |
| 1969 | 2.4 | 33.4 |
| January | 0.8 | 1.2 |
| February | 23.6 | 0.7 |
| March | 0.8 | 21.9 |
| April (b) | 100 | 0.1 |

(a) From 6 April.
(b) To 5 April.

