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## Report on the Census of Production 1963

## 31 Painl and prinining ink

Presented by the Board of Trade to Parliament in pursuance of the
Statistics of Trade Act 1947 (10 \& 11 Geo. 6 Cha. 39 Sec. 7)


## Notes

These notes give the main information needed for interpreting the figures in the industry reports More detailed information about the Census Notes': Part 1 of the Report on 'Introductory Production for 1963.)

GENERAL INFORMATION
Changes in the 1963 census
There were few changes result ing from amendments o the Standard Industrial Classification and
only minor changes in the scope of certain industry reports compared with 1958. Any such changes are explained in the introduct ions to
the industry reports concerned or by footnotes the industry ${ }^{\text {r }}$
to the tables.
Industrial Classification
Establishments were classified to industries on he basis of major activity in conformity with the second edition of the Standard Industri,
Classification (Consolidated Edition 1963, incorporat ing Amendment 1). Each industry wa asically defined in terms of its principal
products, these being of a similar nature or conmonly associated in production. Normally, an establishment was classified to an industry
if its sales of the principal products of the industry accounted for a greater proportion its total sales than did its sales of the
principal products of any other industry ever, where the application of this rule would have resulted in a change of classification between 1958 and 1963 , the establishment was
reclassif fied only if the sales of principal products of the newly predominant industry was
more than one third greater than the sales of more than one third greater than the sales of
principal products of the previously predominat principal products of the previously predomina
industry.
This modification of the general rule was introduced for 1958 to avoid discontinuities which would result from marginal
changes in sales between successive censuses. Changes in sales between successive censuses.
The principle of classification by major output was also normally followed in compiling the analysis by sub-divisions of an industry
In certain industries, classification was dealt with in a different way. Details of any non-standard treatment are given in the in
ductions to the relevant industry reports.

TERMS USED IN THE CENSUS REPORT
Average number employed
Firms were required to state the number of Insurance cards were held by them) Nat ional average during the year of return, whether full-
$t$ ime or part-time employees. Serarate $f$ fires were required tor employes. Separate figures and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each Calendar month; figures shown in respect of the
average number employed relate to the sum of average number employed relate to the sum of
these averages. Firms were also required to state the number of working proprietors (see
below) where appropriate and these are included below) where appropr iate and these are included in total

The figures include persons engaged is merchanting or factoring and canteen workers where particulars in respect of these activities
orking Proprietors
These include all persons regarded as 'selfnembers of their families who worked in the and business without receiving a fixed wage or salary; but persons who worked less than half the normal number of working hours are excluded. or Great Britain, directors working in the salary or commission are included under this
sind eading for 1963, but are excluded for 195 For Northern Ireland, directors of 1 imited companies, other than those paid by fee only,
are included for both years. (Directors paid
by fee only are not included in any of the
Employees
i) Administrative, technical and clerical employees include managers, superintendents
and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and
tracers; editorial staff, staff reporters, tranvassers, competition and advertising staff; travellers; and office (including
works office) empleyees works off ice) employees. For Great Britain, but not for Northern Ireland, they
include also managing and other directors include also managing and other directors
in rece ipt of a definite wage, salary or
comission
commission
ii) 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 houses, transport work, stores, warehouses, shops, and cantens; inspectors, viewers
and similar workers: maintenance workers and cleaners. maintenance workers side work of erection, fitting, etc. are also included, but outworkers (i.e.
persons empe persons employed by the firm who worked
their own homes. supplied by the firm) are excluded.
Information about the number Information about the numbers of outworkers
employed was collected only for the gloves employed
industry.
Capital Expenditure
This represents the cost incurred dur ing
This represents the cost incurred dur in
the year of new building and other new
constructional work (including of fice
constructional work (including office
buildings, canteens and the like used buildings, canteens and the like used in
connection with the business covered by the return but not dwelling houses for employeess. The value is that charged to
capital account during the yar capitaludeount during the year of return;
it includes expend iture on new buildings or on the extension or reconstruct ion of old
buildings, the value of work of a capital buildings, the value of work of a capital
nature carried out by firms' own staff, and nature carried out by firms' own staff, and
the cost of any newly constructed build ings purchased. The figures shown include any legal charges, stamp duties, agents' commissions, etc.

## 31 Paint and printing ink

This Report on the Paint and Printing Ink Industry relates to establishments manufacturing paint, varnish, enamel, distemper, woo tain, french polish, white lead (in paste form), artists' colours, printing ink and printer
his industry corresponds to minimum list heading 274 in the Standard Industrial Classification (Consolidated edition, 1963).

TABLE 1 Industry summary: United Kingdom
Estimates for all firms, 1958 and 1963 (a)

| $\begin{aligned} & \text { Table } \\ & \text { No. } \end{aligned}$ | Title | Page |
| :---: | :---: | :---: |
| 1 | Industry summary: United Kingdom. Estimates for all firms, 1958 and 1963 | 31/3 |
| 2 | Analysis of larger firms by sub-divisions within the industry, 1958 and 1963 | 31/4 |
| 3 | Analys is of larger firms by size of enterprise within the industry, 1963 | 31/5 |
| 4 | Percentage analysis of employees, by age and sex, all firms, 1963: United Kingdom | 31/6 |
| 5 | Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963 | 31/7 |
| 6 | Sales of principal products of the industry by establishments classified to other industries, 1958 and 1963 | 31/10 |
| 7 | Sales of other than principal products by larger firms in the industry, 1958 and 1963 | 31/11 |
| 8 | Production of certain principal products of the industry by larger firms, including production by establishments classified to other industries, 1958 and 1963 | $\begin{aligned} & \text { DoEs } \\ & \text { NPT } \\ & \text { APPLY } \end{aligned}$ |
| 9 | Purchases of selected principal products of the industry by larger firms, 1963 | 31/12 |
| 10 | Purchases by larger firms in the industry, 1954 and 1963 | 31/13 |
| 11 | Transport costs and employment of larger firms, 1963 | 31/15 |
| 12 | Payments for certain services, etc. by larger firms, 1963 | 31/15 |
| 13 | Percentage analysis of twelve-month periods covered by returns from larger firms, 1963 | 31/16 |
| 14 | Sales of all parts of machinery and plant by larger firms, including sales by establishments classified to other industries, 1958 and 1963 | $\begin{gathered} \text { DOES } \\ \text { NOT } \\ \text { APPLY } \end{gathered}$ |


|  | Unit | 1958 | 1963 |
| :---: | :---: | :---: | :---: |
| Number of enterprises | No. | 546 | 458 |
| Number of establishments | , | 650 | 589 |
| Gross output | \&'000 | 160,387 | 180,464 |
| Net output | - | 65,857 | 80,497 |
| Net output per head | $\varepsilon$ | 1,438 | 1,858 |
| \{ goods produced and work done | £.000 | 152,096 | 168,229(b) |
| Sales and work done $\quad$ merchanted goods and canteen takings | . | 8,135 | 11,702 |
| Purchases $\quad\left\{\begin{array}{l}\text { materials for processing and } \\ \text { packaging, and fuel }\end{array}\right.$ | * | 90,668 | 88,419 |
| goods for merchanting and canteen purchases canteen purchases | * |  | 9,120 |
| Payments to other $\quad\left\{\begin{array}{l}\text { for work done on materials given out }\end{array}\right.$ | - | 9 | 172 |
| organisations ${ }^{\text {for transport }}$ | * | 2,741 | 2,697 |
| Stocks and work in progress |  |  |  |
| Total stocks and work in \{ change during year | " | - 956 | + 973 |
| progress $\quad$ at end of year | - | 28,736 | 32,110 |
| change during year | - | + 155 | + 492 |
| Goods on hand for sale $\quad\left\{\begin{array}{l}\text { at end of year }\end{array}\right.$ | - | 14,754 | 17.079 |
| in $\quad$ change during year | - | + 1 | + 40 |
| Work in progress $\quad\{$ at | * | 1,880 | 2,736 |
| Materials, stores and fuel $\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | - | - 1,112 | + 441 |
|  | - | 12, 102 | 12,295 |
| total, including working proprietors | Th. | 45.8 | 43.3 |
| $\begin{aligned} \text { Average number employed } & \left\{\begin{array}{l}\text { operatives } \\ \text { other employee }\end{array}\right. \\ & \begin{array}{l}\text { of operatives }\end{array}\end{aligned}$ | - | 24.3 | 21.8 |
|  | * | 21.4 | 21.1 |
|  | £.000 | 12,710 | 14,360 |
| Wages and salaries $\quad\left\{\begin{array}{l}\text { of other employees (c) }\end{array}\right.$ | , | 15,355 | 19,116 |
| Employers' contributions to National Insurance and private pension schemes, etc. (d) | * |  | 2,791 |
| Capital expenditure (e) |  |  |  |
| Total | * | . | 3,386 |
| New building work |  | 2,048 | 1,788 |
| Land and existing buildings (f) | . | .. | - 1.089 |
| Plant and machinery (f) |  | 2,516 | 1,814 |
| Vehicles (f) | * | 921 | 873 |

(a) For 1963, estimates for small firms and for firms not making satisfactory returns accounted for about 7 per cent. of the total figures in which they were incorporated. (For 1958 the
comparable figure was 9 per cent.) A summary of the detailed returns received is given in Table 2 .
(b) Including services rendered to other organisations (amounts charged for hiring out plant
(b) Tnchinery and other goods. for providing transpor (amounts charged for hiring out plant, (C) Administrative, technical and clerical employees.
(c) Administrative, technical and clerical employees.
(d) Including pensions and gratuities paid other than from pension
(e) Excluding expenditure for es
(f) Acquisitions less disposals.

TABLE 2 Analysis of larger firms by sub-divisions within the industry, 1958 and 1963 Firms employing 25 or more persons: United Kingdom (a)

|  | Unit | Sub-divisions of the industry (b) |  |  |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Paint and varnish, mastics, etc. 01, 02 |  | Printers' inks,printers rollersand compositions03 |  |  |  |
|  |  | 1958 | 1963 | 1958 | 1963 | 1958 | 1963 |
| Number of enterprises (c) | No. | 173 | 134 | 26 | 30 | 198 | 162 |
| Number of establishments |  | 248 | 217 | 51 | 63 | 299 | 280 |
| Gross output | £ 000 | 131,721 | 147,240 | 14,934 | 20,196 | 146,654 | 167,435 |
| Net output | " | 52,975 | 64,623 | 7,244 | 10,062 | 60,218 | 74,686 |
| Net output per head | \& | 1,410 | 1,821 | 1,689 | 2,136 | 1,438 | 1,858 |
| Sales and $\quad\left\{\begin{array}{l}\text { goods produced and work } \\ \text { done }\end{array}\right.$ | £'000 | 124,558 | 137,185(d) | 14,516 | 18,900(d) | 139,073 | 156,084(d) |
| merchanted goods and canteen tak canteen takings | " | 7,037 | 9,582 | 401 | 1,275 | 7,438 | 10,857 |
| Sales of characteristic products |  | 114,300 | 128,218 | 12,373 | 17,883 | (e) | (e) |
| Index of specialisation (f) | Per cent. | 92 | 93 | 85 | 95 | 96 | 96 |
| $\text { Purchases } \quad\left\{\begin{array}{l} \text { materials for processing } \\ \text { and packaging, and fuel } \\ \text { goods for merchanting } \\ \text { and canteen purchases } \end{array}\right.$ | £'000 | 75,424 | 73,235 7,339 | 7,481 | 8,801 1,122 | 82,904 | 82,036 8,461 |
| $\begin{aligned} & \text { Payments } \\ & \text { to other } \\ & \text { organisations } \end{aligned}\left\{\begin{array}{l} \text { for work done on } \\ \text { materials given out } \end{array}\right.$ | " | 4 | 142 | 4 | 18 | 8 | 160 |
| organisations $\{$ for transport | " | 2,299 | 2,275 | 208 | 227 | 2,507 | 2,502 |
| Stocks and work in progress |  |  |  |  |  |  |  |
| Goods on hand $\quad\{$ change during year | " | + 119 | + 449 | + 23 | + | + 142 | + 457 |
| for sale $\quad$ at end of year |  | 12,795 | 15,025 | 696 | 820 | 13,491 | 15,846 |
| Work in $\quad$ change dur ing year | " | + 7 | + 24 | - | + 13 | + | + 37 |
| progress ${ }^{\text {at end of year }}$ |  | 1,628 | 2,380 | 91 | 158 | 1,719 | 2,539 |
| $\underset{\substack{\text { Materials, } \\ \text { stores }}}{\text { a }}$ ( change dur ing year | " | -1,019 | + 374 | + 2 | + 35 | -1,017 | + 409 |
| and fuel $1 \quad$ at end of year | " | 9,857 | 9,970 | 1,210 | 1,438 | 11,066 | 11,408 |
| $\left\{\begin{array}{l}\text { total, including working } \\ \text { proprietors }\end{array}\right.$ | No. | 37,583 | 35,489 | 4,290 | 4,711 | 41,873 | 40,200 |
| Average number $\quad$ operatives | " | 19,542 | 17,804 | 2,702 | 2,576 | 22,244 | 20,380 |
| employed other employees (g) |  | 18,033 | 17,623 | 1,588 | 2,121 | 19,621 | 19,744 |
| Wages and $\quad$ of operatives | £'000 | 9,914 | 11,151 | 1,738 | 2,301 | 11,652 | 13,451 |
| salaries $\quad$ of other employees ( g ) | " | 12,546 | 15,433 | 1,531 | 2,473 | 14,077 | 17,907 |
| Wages and $\quad$ operatives | \& | 507 | 626 | 643 | 893 | 524 | 660 |
| sa ar hes per head $\quad\left\{\begin{array}{l}\text { other employees ( } \mathrm{g} \text { ) }\end{array}\right.$ | " | 696 | 876 | 964 | 1,166 | 717 | 907 |
| Employers' contributions to National Insurance (h) | £'000 | .. | 984 | .. | 159 |  | 1,144 |
| Employers' contributions to private pension schemes, etc. (i) | " |  | 1,290 |  | 181 |  | 1,470 |
| Capital expenditure ( j ) |  |  |  |  |  |  |  |
| New building work |  | 1,740 | 1,417 | 134 | 243 | 1,873 | 1,659 |
| $\begin{aligned} & \text { Land and } \begin{array}{l} \text { existing } \\ \text { buildings } \end{array} \end{aligned}\left\{\begin{array}{l} \text { acquisitions } \\ \text { disposals } \end{array}\right.$ | " | .. | - 1,012(k) | . | $+2(\mathrm{k})$ |  | -1,011(k) |
| Plant and $\{$ acquisitions |  | 2,177 | 1,482 | 196 | 307 | 2,372 | 1,789 |
| machinery $\left\{\begin{array}{l}\text { disposals }\end{array}\right.$ |  | 70 | 73 | 2 | 33 | 72 | 106 |
| bicles \{ acquisitions | " | 1,294 | 1,308 | 120 | 162 | 1,414 | 1,469 |
| disposals |  | 527 | 601 | 45 | 59 | 572 | 659 |

TABLE 3 Analysis of larger firms by size of enterprise within the industry, 1963
(i) Output, employment, capital expenditure and stocks

Firms employing 25 or more persons: United Kingdo

| Average number employed by the enterprise in the industry (a) | $\begin{array}{\|l} \text { Enter- } \\ \text { prises } \end{array}$ | $\begin{aligned} & \text { Estab- } \\ & \text { lish- } \\ & \text { ments } \end{aligned}$ ments | Average number employed (a) | Gross output | $\begin{gathered} \text { Net } \\ \text { Nutput } \end{gathered}$ | Net output per head | Capital ture (b) | Total value of stocks and rork in progress at end of year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | £ 000 | £. 000 | $\varepsilon$ | £'000 | \&'000 |
| 25-49 | 57 | 66 | 2,070 | 7,814 | 3,230 | 1,560 | 201 | 1,046 |
| 50-99 | 37 | 48 | 2,445 | 10,254 | 4,378 | 1,791 | 298 | 1,456 |
| 100-199 | 39 | 51 | 5,424 | 19,876 | 8,640 | 1,593 | 661 | 3,634 |
| $100-199$ 200-299 | 35 5 | 10 | 1,196 | 5,118 | 2,089 | 1,747 | 164 | 787 |
| 300-399 | 4 | 6 | 1,434 | 4,083 | 2,151 | 1,500 | 44 | 872 |
| 400-499 | 3 | 8 | 1,331 | 5,245 | 2,545 | 1,912 | 120 | 610 |
| 500-749 | 4 | 8 | 2,588 | 10,101 | 4,202 | 1,623 | 183 | 2,030 |
| 750-999 | 3 | 19 | 2,610 | 9,176 | 4,514 | 1,729 | 252 | 1,652 |
| 1,000-1,999 | 6 | 42 | 9,305 | 34,925 | 15,282 | 1,642 | 876 | 6,712 |
| 2,000 and over | 4 | 22 | 11,797 | 60,843 | 27,656 | 2,344 | 344 | 10,993 |
| Total | 162 | 280 | 40,200 | 167,435 | 74,686 | 1,858 | 3,142 | 29,792 |

(ii) Employees, wages and salaries, and employers contributions

Firms employing 25 or more persons: United Kingdom

| Average number employed by the enterprise in the industry (a) | Employees |  | Wages and salaries |  | Employers ${ }^{\circ}$ contributions |  | Wages and salaries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oper- atives | Others (c ) | Oper- <br> atives | Others <br> (c) | National Insurance <br> (d) | Private pension schemes schemes, etc. (e) | $\begin{aligned} & \text { Oper- } \\ & \text { atives } \end{aligned}$ | Others (c) |
|  | Number | Number | \&'000 | \& 000 | \& 000 | \& 000 | \& | $\varepsilon$ |
| 25-49 | 1,114 | 925 | 753 | 898 | 61 | 46 | 676 | 971 |
| 50-99 | 1,309 | 1,115 | 847 | 1,121 | 78 | 68 | 647 | 1,005 |
| 100-199 | 2,987 | 2,422 | 1,753 | 2,224 | 155 | 186 | 587 | 918 |
| 200-299 | 667 | 529 | 487 | 494 | 35 | 57 | 730 | 934 |
| 300-399 | 782 | 652 | 490 | 531 | 42 | 64 | 626 | 814 |
| 400-499 | 687 | 644 | 531 | 678 | 40 | 52 | 772 | 1,052 |
| 500-749 | 1,443 | 1,145 | 812 | 1,036 | 66 | 118 | 563 | 905 |
| 750-999 | 1,524 | 1,086 | 1,004 | 1,064 | 77 | 81 | 659 | 980 |
| 1,000-1,999 | 4,352 | 4,944 | 2,849 | 3,971 | 242 | 293 | 655 | 803 |
| 2,000 and over | 5,515 | 6,282 | 3,927 | 5,890 | 347 | 507 | 712 | 938 |
| Total | 20,380 | 19,744 | 13,451 | 17,907 | 1,144 | 1,470 | 660 | 907 |

(a) Including working proprietors
(b) Acquisitions less disposals.
(c) Administrative, technical and clerical employees
(d) Including both flat rate and graduated contributions.
(e) Including pensions and gratuities paid other than from pension funds. These amounted in

For notes to this table - see page $31 / 6$

TABLE 4 Percentage analysis of employees, by age an

| Sex, all firms, 1963: United Kingdom (a) |  |  |  |
| :---: | :---: | :---: | :---: |
| Ages | Males | Females | All employees |
| Under 18 <br> 18 and over | Per cent. | Per cent. | Per cent. |
|  | 2 | 3 | 5 |
|  | 71 | 26 | 95 |
|  | Source: Ministry of Labour |  |  |  |

(a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1963.

## Footnotes to Table 2.

(a) The following information relates to small firms (employing
fewer than 25 persons) in this industry. It includes an estimate for small firms not making satisfactory returns which account for 2 per cent. of the employment shown for
1963 and 7 per cent. for 1958 .

$$
\begin{array}{lrr} 
& 1958 & 1963 \\
\text { Number of } \mathrm{f} \text { irms } & 348 & 305
\end{array}
$$

Average number employed:

$$
\left.\begin{array}{l}
\text { Working propr ietors } \\
\text { Other persons employed }
\end{array}\right\} 3,753\left\{\begin{array}{r}
417 \\
2,505
\end{array}\right.
$$

(b) The method of classifying returns to sub-divisions of the
industry is explained in the notes: the character istic industry is explained in the notes; the character istic
products of each sub-division are identified in Table 5 .
(c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises
(d) made returns for more than one sub-division.
(d) Including services rendered to other or ganisations
(amounts charged for hiring out plant, machinery and (amounts charged for hiring out plant, machinery and other
goods, for providing transport, or for technical or other gervices rendered).
(e) Characteristic products relate only to sub-divisions of the
(f) For sub-divisions of the industry, this is the ratio of
sales of characteristic products to total sales of goods sales of canacteristic products to total sales of goods
produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done
(g) Administrative, technical and clerical employees.
(h) Including both flat rate and graduated contributions.
(i) Including pensions and gratuities paid other than from
pension funds.
(j) Excluding expenditure for establishments not yet in
(k) Acquisition
(k) Acquisitions less disposals

TABLE 5 Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963
Firms employing 25 or more persons: United Kingdom


TABLE 5 (cont inued)

| Industrysub-sub-division (a) |  | 1958 |  | 1983 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Value | Quantity | Value | Enter- prises | Entries |
|  | Paint (continued) | Th.gal. | \& 000 | Th.gal. | \& 000 | Number | Number |
|  |  |  |  |  |  |  |  |
| 01 | Emulsion | 5,247 | 8,509 | 9,685 | 15,553 | 104 | 121 |
| 01 | Water distempers in dry or paste form (c) | 6,569 | 4,566 | 4,568 | 3,370 | 79 | 92 |
| 01 | Cellulose based, except thinners Varnishes, lacquers and clear solutions | 7,457 | 9,810 | $\begin{aligned} & 3,378 \\ & 4,363 \end{aligned}$ | $\begin{aligned} & 3,425 \\ & 6,999 \end{aligned}$ | $\begin{aligned} & 46 \\ & 42 \end{aligned}$ | 5854 |
|  |  |  |  |  |  |  |  |
|  | Pigmented |  |  |  |  |  |  |
| 01 | Anti-fouling and anti-corrosive paints and compositions for marine use (i.e. materials for use below the water line only) (d) | 1,335 | 1,955 | 1,346 | 2,078 | 34 | 37 |
| 02 | Artists' paints and colours(including oil and water colours) and complete paint boxes and stencil outfits |  | 1,772 | .. | 1,903 | 6 | 7 |
| 01 | Other and unclassified paints (excluding artists' paints and colours), varnishes, lacquers and stains | - | - | 286 | 583 679 | 24 | 24 |
| 01 | Thinners |  | (b) | 4,271 | 2,574 | 100 | 121 |
|  | For oil and/or synthetic based nonacqueous paints |  |  |  |  |  |  |
|  | For cellulose based paints |  |  | 4.895 | 3,424 | 47 | 60 |
|  | For spirit based paints |  |  | 186 | 125 | 46 | 52 |
| 01 | Paint removers and strippers <br> Total thinners, paint removers and strippers |  |  | 700 | 708 | 80 | 92 |
|  |  | 8,677 | 5,771 | 10,052 | 6,831 | .. | .. |
| 01 | Petrifying liquid for water paints (e) |  | 2,331 | $\left\{\begin{array}{r}160 \\ 69.0 \\ . .\end{array}\right.$ | 79 | 34 | 39 |
| 01 | Liquid driers (e) |  |  |  | 208 | 59 | 64 |
| 01 | Paste fillers (f) |  |  | 187 | 261 | 55 | 67 |
| 01 | Mastic and other adhesive cements and putty |  | 2,958 | $\left\{\begin{array}{c}\text { Th.cwt. } \\ \begin{array}{c}629 \\ . .\end{array}{ }^{\text {a }} \text { ( }\end{array}\right.$ | 2,086 663 | $\} 60$ | 67 |
| 03 | Printers' inks <br> News inksand other mineral oil inks Photogravure, anil ine, evaporative and other inks, drying by solvent evaporation | Th.cwt. | 1,534 | 430 | 1,665 | 14 | 18 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | Letterpress and lithographic ink | 159 | 6,419 | 201 | 8,827 | 28 | 33 |
|  | Display colours and silkscreen inks |  |  | 58.0 | 1,309 | 15 | 18 |
|  | Other printers' inks and printing | 42.0 | 968 |  |  |  |  |
|  | specified |  |  | .. | 1,156 | 25 | 31 |
| 03 | Printers' rollers and compositio |  | 1,977 |  | 2,121 | 19 | 21 |
|  | Total printers' inks, rollers and compositions | . | 14,389 | . | 20,416 | .. | .. |


|  |  | 1958 |  | 1983 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Value | Quantity | Value | Enter- | Entries |
|  | Other products |  | \& 000 |  | £ 000 | Number | Number |
|  |  | . | 1,903 | . | 1,891 | 57 | 69 |
|  | Waste products | . | 15 | . | 14 | 18 | 20 |
|  | Work done on commission, sub-contract work, etc. |  | 118 |  | 34 | * | * |
|  | Total |  | 137,874 |  | 153,643 | .. | . |
|  | Sales in other industries (see Table 6) |  | 4,014 |  | 3,808 | .. | .. |
|  | Principal products of this industry sold by establishments in the industry |  | 133,861 |  | 149,835 | 162 | 199(g) |

(a) The number given is that of the sub-division of which the item is a characterist ic product. The sales shown are total sales by larger firms not merely sales by establishments classified to the sub-division.
(b) Not separately distinguished in 1958
(c) For 1963 firms were asked to return the quantity in gallons using a conversion factor of 201b. to 1 gall 1958 when the quantity was returned by weight.
(e) Included in a heading described as 'Paint and varnish makers' materials, not elsewhere specified, (e) Included in a heading described
(f) For 1963 firms were asked to return the quantity in gallons using a conversion factor of 181b. to (f) gallon.
(g) This 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 2 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by establishments classified Sa les of principal products of the
to other industries, 1958 and 1963
Firns employing 25 or more persons: United Kingdom

|  | 1958 |  | 1963 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Entries | Principal industries in which produced (a) |
|  |  | \& 000 | Th.gal. | £ 000 | Number |  |
| Paint |  |  |  |  |  |  |
| Emulsion and water distempers in dry or paste form |  | 71 | 16.5 | 23 | * | 108 |
| Varnishes and lacquers, excluding cellulose based, and colours and stainers in dry, liquid and paste form | Th.gal. | 274 873 | .. | 211 | 5 | 28,34,35,119 |
| 0 il and/or synthetic based paint and cellulose based varnishes and lacquers |  |  | 245 | 290 | 6 | 27,34, 107 |
| Bituminous | $\left\{\begin{array}{r}1,411 \\ \cdots\end{array}\right.$ | $\left.\begin{array}{l}813 \\ 676\end{array}\right\}\{$ | 1,208 | 470 | 25 | 24, 27, 107 |
| Other and unclassified paints (excluding artists' paints and colours) varnishes, lacquers and stains |  |  | $\left\{\begin{array}{r} 279 \\ \quad \cdots \end{array}\right.$ | 565 316 | \}* | 27,34, 107, 124 |
| Thinners, paint removers and strippers |  | 166 | 120 | 108 | 7 | 27,33 |
| Liquid driers |  |  |  |  |  |  |
| Mastic and other adhesive cements and putty |  | 248(b) | .. | 764 | 9 | 24,27,52,119 |
| Printers' inks, rollers and compositions and printing ink makers' materials | . | 893 | . | 1,062 | 13 | 27,48,49,119 |
| Total |  | 4,014 |  | 3,808 |  |  |

(a) The references given are to the 1 ist of industries shown at the back of this report
(b) Including for 1958 any other paint and varnish makers' materials, not elsewhere specified,

TABLE 7 Sales of other than principal products by larger firms in the industry, 1958 and 1963
Firms employing 25 or more persons: United Kingdom

|  | 1958 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
|  |  | \&'000 |  | £ 000 |
| General chemicals (including coal tar products) Inorganic and organic pigments |  | 702 | .. | 405 |
| Bituminous products (other than paints) |  | 1,772 | 19.6 | 672 |
| Other chemicals and chemical products |  | 1,72 | .. | 1,767 |
| Synthetic resins and plastics materials |  |  |  |  |
| Alkyds (including styrenated alkyds) and unsaturated polyesters (a) |  | 1,154 | 7.5 | 1,498 |
| 0 ther |  |  | 1.1 | 325 |
| Other products | . | 1,585 |  | 1,269 |
| Services rendered to other organisations (b) |  |  | .. | 313 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) |  | 7,156 |  | 10,629 |
| Canteen takings |  | 282 |  | 229 |
| Total |  | 12,651(c) |  | 17,106 |

(a) The total quantity of alkyds (including styrenated alkyds) produced in 1963 by establishment classified to this industry amounted to 102,000 tons. Similar information is not availa for 1958
(b) Amounts charged for hiring out plant, machinery or other goods, for providing transpor
technical or other services rendered to other organisations.
(c) Excluding amounts charged for services rendered to other organisations

TABLE 8 Production of certain principal products of the industry by larger firms, including productio
industries, 1958 and 1963

This table is not applicable to this industry

TABLE 9 Purchases of selected principal products of the industry by larger firms in 1963 (a)

(a) The figures include purchases of imported as well as of home produced goods. (a) The figures include purchases of imported as well as of home produced goods
(b) Specified Census industries for which purchases are one per cent. or more

TABLE 10 Purchases by larger firms in the industry, 1954 and 1963 Firms employing 25 or more persons: United Kingdom

|  | 1954 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
| Materials for processing |  | \& 000 |  | \& 000 |
| Metallic lead and metallic lead powders | . | 907 | . | 297 |
| Dyestuffs and pigments (dry or in pulp form) |  |  |  |  |
| Lithopone | .. | 1,528 | .. | 801 |
| Titanium dioxide | .. | 4,533 | .. | 9,502 |
| Zinc oxide | . | 602 | .. | 219 |
| Synthetic organic pigments and dyestuffs pure or reduced (including pigment dyestuffs, lakes and toners) | .. | 1,813 | .. | 4,253 |
| Other pigments and earth colours (including white lead, blacks, mineral or carbon metallic powders other than lead powders) | .. | 5,915 | .. | 3,824 |
| Extenders (including barytes, china clay, whiting, etc.) |  | 1,135 |  | 1,729 |
| Vegetable and seed oils (raw, refined or boiled) |  |  |  |  |
| Linseed oil | .. | 4,239 | .. | 3,564 |
| Soya bean oil | .. | (a) | . | 647 |
| Other drying oils | .. | 1,879 | .. | 1,704 |
| Mineral oils other than for use as fuels (including petroleum solvents, but excluding lubricating oils) | .. | 4,306 | .. | 4,350 |
| Heavy chemicals (acids, alkalis, alcohols, other inorganic and organic chemicals, compressed gases, etc.) |  |  |  |  |
| Inorganic chemicals (acids, alkalis, etc., including metallic salts |  | (a) | .. | 1,435 |
| Organic chemicals |  |  |  |  |
| Solvents and diluents (including benzoles, solvent naphthas, alcohols, esters, ketones, etc.) |  | 7,471 |  | 9,687 |
| Cellulose esters and ethers (including cellulose nitrate) |  | 1,107 | .. | 1,647 |
| Phthal ic anhydride |  | 337 (b) |  | 1,021 |
| Maleic anhydride |  | (a) | . | 18 |
| Vinyl acetate (monomer) |  |  | .. | 255 |
| Other organic chemicals (including monomers for plastics, not elsewhere specified) | .. | 402 | .. | 3,143 |
| Rubber, natural and synthetic (including rubber compound and rubber latex) | .. | 16 |  | 333 |
| Glycerine | .. | 224(b) |  | 572 |
| Natural gums and resins (including rosin and shellac) | .. | 2,861 |  | 1,344 |
| Synthetic resins and plastics materials |  |  |  |  |
| Alkyds (including styrenated alkyds) solid and liquid resins including solutions, emulsions and dispersions | .. | (a) | $\underset{\substack{\text { Th.tons } \\ 26.7}}{ }$ | 5,696 |
| Polyvinyl acetate emulsions |  | 398(b) |  | 2,083 |
| Other synthetic resins and plastics materials | .. | 5,248 |  | 4,847 |
|  |  |  | $\underset{\substack{\text { Th. } \\ 58.21 .2 .}}{ }$ | 17 |
| Lubricating oils and greases |  |  |  | 9 |
| Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement |  | 705 |  | 654 |
| All other materials for processing | .. | 10,290 |  | 5,258 |


|  | 1954 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
|  |  | £'000 |  | £ 000 |
| Packaging materials |  |  |  |  |
| Boxes, cartons, packing cases, and drums and canisters (with or without metal ends) of paper, cardboard and fibreboard | . | (c) | .. | 1,008 |
| Metal <br> Cans and boxes | .. | 6,250 |  | 6,512 |
| Barrels, kegs and drums |  |  | $\left\{\begin{array}{c}\text { Thousands } \\ 5,660 \\ . .\end{array}\right.$ | 1,993 |
| Aluminium collapsible tubes, aluminium foil, and any laminates incorporating aluminium foil and aluminium foil labels and closures |  | (c) |  | 61 |
| Other packaging materials of metal including crown corks, wire, foil and any laminates incorporating foil (other than aluminium foil), foil labels and foil closures, tensional steel strappings, etc. |  |  |  | 150 |
| Containers wholly or mainly of wood, including plywood boxes and drums, baskets and wickerwork crates |  | 292 |  | 189 |
| Glass containers |  |  | $\left\{\begin{array}{c} \text { Th. gross } \\ 54.8 \\ . \end{array}\right.$ | 57 24 |
| Plastics moulded and fabricated packs and containers (e.g. bottles and bottle caps) wholly or mainly of polyethylene |  | (c) |  | 116 |
| All other packaging materials |  | 2,046 |  | 339 |
| Fuel and electricity (d) | Th.tons |  | Th.tons |  |
| Coal | 45.5 | 200 | 16.5 | 106 |
| Coke (including screenings) and manufactured fuel | 16.5 | 94 | 7.9 | 71 |
| Derv fuel and motor spirit for use in road vehicles | $\begin{array}{r} \text { Th.gal } \\ 1,917 \end{array}$ | 392 | $\begin{array}{r} \text { Th. gal. } \\ 2,330 \end{array}$ | 485 |
| Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases) | 5,588 | 243 | 11,321 | 457 |
| Gas | Th. therms <br> 2,859 | 164 | Th. therms 2,913 | 204 |
|  | Th. kWh |  | Th. kWh 108.373 |  |
| Electricity | 85,968 | 551 | 108.373 | 750 <br> 131 |
| Total cost of materials and fuel |  | 66,147 |  | 82,036 |
| Goods purchased for merchanting |  | .. |  | 8,242 |
| Canteen purchases |  | .. |  | 219 |
| Total cost of purchases |  | . |  | 90,497 |

(a) Not recorded separately for 1954
(b) So far as recorded separately in 195
(c) Included in 'All other packaging materials'
(d) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 761 Th. kHh . 0 in ing to the r isk of disclosu
en

TABLE 12 Payments for certain services, etc. by large firms, 1963 (a)
Firms employing 25 or more persons: United Kingdom

|  | Amounts <br> payable |
| :--- | ---: |
| Repairs and maintenance to | $£^{\prime} 000$ |
| Buildings | 306 |
| Road goods vehicles | 263 |
| Plant, machinery, and other capital equipment | 435 |
| Insurance, licensing and depreciation of road goods <br> vehicles (b) | 472 |
| Rates, excluding water rates | 1,103 |
| Hire of plant and machinery | 67 |
| Postage, telephone, telegrams and cables | 782 |
| Total |  |

 (a) No deduction is made for these payme
of net output given in this report.
(b) For details see Table 11

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger firms, 1963 Firms employing 25 or more persons:
United Kingdom

| Year ended | Percentage of <br> total nnubber <br> employed | Year ended | Percentage of <br> total number <br> employed |
| :--- | :---: | :---: | :---: |
| April (a) | 0.4 | November | 1.1 |
| May | 0.1 | December | 50.6 |
| June | 8.6 | Pent. | 1963 <br> (conta.) |
| Per cent. |  |  |  |
| July | 0.7 | 1964 |  |
| August | 0.1 | January | 1.3 |
| September | 6.1 | February | 0.7 |
| October | 8.1 | March | 20.4 |

Including returns made for twelve-month periods ended
1st to 5 th April, 1964.

TABLE 14 Sales of all parts of machinery and plant by larger firms, including sales by estabby larger firms, including sales by estab-
lishments classified to other industries, 1958 and 1963

This table is not applicable to this industry

Capital Expenditure (continued)
(ii) Land and existing buildings.

The items shown are the capital cost of pemium payable for leaseholds acquired premium payable for leaseholds acquired
(excluding the value of any assets acquired n 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.
(iii) 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 acquired includes plant, etc. which firms produced for the ir own use in connection
with the business covered by the return. The value of plant, etc. acquired is the
expenditure charged to capital account
expend the year of return less any dis-
counts received, but including the cost of
transport and installation. No deduct ion
transport and installation. No deduct on
is made for depreciation, amortisation or
is made for depreciation, amortisation or
obsolescence. The proceeds of items
disposed of during the year exclude amounts Written off for items scrapped.
Capital expenditure during the year
Capital expenditure during the year in respec
of manufacturing establishments where proof manufacturing establishments where pro-
duct ion had not started before the end of the year is excluded in this report for both 1958
and 1963 . and 1963.
Characteristic Products
The characteristic products of a sub-division are those in terms of which the sub-division is
defined. They are products commonly associated in production and are usually similar in nature or manner of product ion. In most cases the characteristic products of each sub-
division are indicated in Table 5 of the industry reports. For those industries for
which an analysis by sub-divisions has been which an analysis by sub-divivisions has been
nade, Table 2 shows the total sales of such characterist ic products for each sub-division.
The totals include, besides the products which The totals include, besides the products which
define the sub-division, other items of output define the sub-division, other items of outpu
assumed to be closely related to them, e.g. assumed to be closely related
waste products and work done.
Enterprise
The term enterprise is used in this report to
mean one or more firms under control. An enterprise normally consists ither of a single firm, or of a parent company

Entries
The number of entries shown in Tables 5, 6 and 8 against a particular output or production heading is the number of returns on which

Establishment
The census was based on the establishment,
comprising in most cases the whole of the
premises under the same ownership or management premises uncer the same ownership or managem
at a particular address (e.g. a factory or mine); but firms were asked to exclude from all sections of their returns particulars relating to any department not engaged in pro-
duction for which they kept a separate set of accounts. Where separate accounts were not kept, they were asked to include merchanting or
ancillary activities such as bottling, packing nd the manufacture of containers for packing the ir own products, whether or not these
activities are carried on at the same addr as the works. Building and engineering maintenance departments and selling and trans Gross Output
The gross output of an industry is the aggregate value of goods made and other work done fied to the industry. It is derived by subtracting from the value of sales and work done
the value of stocks of goods on hand for sale the value of stocks of goods on hand for sale
and work in progress at the beginning of the year and adding the value at the end of the

## Larger Firms

These are firms in which twenty-five or more persons were employed on the average during the

Net Outpu
The net output of an industry represents the value added to materials by the process of promerchanted or factored goods sold; it conmerchanted or factored goods sold; it con-
stitutes the fund from which wages, salaries, stinurance, pensions, hire of plant and machinery, payments for repairs and mainten-
ance, costs of operating road vehicles, rents, ance, costs of operating road vehicles, rents,
rates and taxes, advertising and other selling expenses and all other similar charges have to
be met, as well as depreciation and prof its. be met, as well as depreciation and prof its.
There is no appreciable duplication in net There is no appreciable duplication in net out-
put. Net output has been obtained by deductput. Net output has output the cost of purchases adjusted for stock changes, payments for work transport.
Normally any customs or excise duty on materials purchased is included in the cost of
materials. Similarly, finished goods sold have been valued as they were sold, duty paid or duty free. The amounts of duty, subsidies,
allowances and levies receivable or payable, allowances and levies receivable or payable,
where of substantial importance in the industry were required to be stated separately, and these
items were taken into account when calculating net output.
Net output per person employed
The figures for net output per person employed are derived by dividing the net output by the and part-time) of persons employed (full-time returns, including operatives, administrative technical and clerical employees and working proprietors, but excluding outworkers.
Principal Products
The principal products of an industry are those in terms of which the industry is defined. They are products commonly associated in pro-
duction, and are usually similar in nature duction, and are usually similar in nature or
Production
This means the total quantity of a product made This means the total quantity of a product made
during the year, whether sold in the year, added dur ing the year, wheth to sold in the year, adde
to stock, transferred to another department of the same firm, or used in the manufacture of
other products within the business covered by other products within the business covered by
the return. It includes goods produced from materials supplied by other firms

Purchases
Purchases include the cost of materials and
components bought for use in production: of fuel and electricity for all purposes; of pack aging materials, including the full cost of $r$ purchased; of workshop materials, of fice putcerials; and materials for repairs to fo firms,
mater
own buildings own buildings, plant and vehicles when carried
out by their own workpeople included in the out by their own workpeople included in the
return; of consumable tools; and of parts fo machinery purchased during the year as replace
ments. Water charges are also included. In ments. Water charges are also included. In
general purchases of goods for merchanting or gactor ing and canteen supplies are included. Materials supplied by customers for processing
are excluded. The values shown include any duty paid (less
rebate, etc.) but exclude trade discounts rebate, etc.) but exclude trade discounts
allowed. The cost of transport is inclut allowed. The cost of transport is included
only if included in the cost of materials as only if included in the cost of materials as
invoiced; amounts paid to transport organisa$t$ ions, including firms, own separate transport organisations, for del ivery of materials and
fuel are, therefore, excluded. Materials purchased overseas are included at their c.i.f.
cost plus any duty payable if the cost of cost plus any duty payable if the cost of
transport from the docks was not included in the transport from the docks was not included in the
invoiced price, but at their full delivered cost
if invoded and if invoiced 'carriage paid home'. Materials and fuel transferred from another department of 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, goods made for it by outworkers or by other firms from mater ials given out to them (somet imes described
as goods made on commission) and waste products. as goods made on comnission) and waste products.
Any machinery or other capital items produced
for use in the bus iness covered by for use in the business covered by the return are included, the value being that adopted in
the firm's capitalyasset account. Goods sold without being subjected to any manuf actur ing
process (merchanted or factored) and canteen takings are included as in 1958 .
The value shown for sales is the nelling value, def ined as the amount charged to
customers whether on an ex-works or delivered customers whet her on an ex-works or delivered
basis, net of any trade discounts, agents. bas is, net of any trade discounts, agents
commissions, allowances for returnable cases, purchase tax, etc. the net amount charged for packing materials is included. Goods charged
on a delivered basis to customers overseas are included at the f.o.b. value. For work done on commission or for the trade the value shown is
the net amount charged. the net amount charged.
Where goods produced trane goods produced in one department were
transferred to another department of the same firm not covered by the return, these transfers were treated as sales by the producing depart
ment and valued as far as possible as if they
had been sold to an inder ment and valued as far as possible as if they
had been sold to an independent purchaser.
Goods transferred ing organisations for which separate accounts ing organisations for which separate accounts
wept were valued on the same basis. Est imations of a similar kind were also some$t$ imes necessary in valuing transfers between
different firms belonging to the same enter different firms belonging to the same enter
prise. To the extent that the sales of inished products of one establishment may constitute the materials purchased by another
total figures of the value of sales (and of total figures of the value of sales (and of
naterials and fuel purchased) include an
element of duplication.

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. It includes amounts credited for similar services rendered to other departments of the same firm ot covered by the return

## Small Firms

These are firms in which fewer than twenty-five persons were employed on the average during the

Stocks and Work in Progress
Values are given of stocks of goods on hand for
sale, and of materials and fuel at the beginning and end of the year of return, including any stocks of goods held for merchanting or factoring. The values include duty in the case of work in progress at the two dates is also usually shown. This excludes any progress payments made to sub-contractors, and no de-
duction is made on account of progress paymen duction is
received.
Transport Payment
These represent the total amount paid or transport of finished for both out wards transport of materials and fuel purchased. They include payments to other firms, and to
any separate firm, not covered by the return, but exclude the value of transport services provided by the
busines business covered by the return. The items
included are payments for hired cartage and fo inwards and putwards carriage by all forms of inland transport, i.e. railways, road haulage Payments made for sea freight on goods sold to
customers customers overseas and on materials and fuel
Wages and Salaries
These are the amounts paid during the year to
operatives and to administrative, technical and clerical employees. Payments to working proprietors, whe ther called salar ies or not, are excluded; in Northern Ireland this exclusion extends also to payments to
directors of 1 imited companies. The values
shown include all directors of
shown include all overtime payments, bonuses
and commissions, and commissions, whether paid regularly or not insurances, contributory pensions, etc. The value of any payments in kind, travelling
expenses, 1odging allowance, expenses, lodg ing allowances, etc. and
employers' contributions to National Insurance employers contribut ions to Nat
and pension schemes is excluded
Work given out
The figures shown represent the total amount The figures shown represent the total amount
paid for work done by other firms on, material
supplied to them, supplied to them, and also by firms ${ }^{\prime}$. own
establialishments for which establishments for which separate returns wer individual outworkers or payments for business and other services.
Symbols used
The following symbols are used throughout the
Not available
Not available
Nil or negligible (less than half the
final digit shown
Figures cannot be shown owing to the
risk of disclosing information about risk of disclosing info
individual enterprises.

## Rounding of Figures

The figures in the tables have, where necessary
been rounded to the nearest final digit. There nay, therefore, be apparent slight discrepancies between the sums of the constituent items and
the totals shown.

```
Part No, and title
```

Part No, and title
1 Introductory Notes
1 Introductory Notes
2 Coal Mining
2 Coal Mining
5 Metalliferous Mining and Quarrying
5 Metalliferous Mining and Quarrying
Mining and Quarrying
Mining and Quarrying
7 Grain Mill ing
7 Grain Mill ing
8 Bread and Flour Confectionery
8 Bread and Flour Confectionery
lo Bacon Curing,
lo Bacon Curing,
3 Cocoa, Chocolate and Sugar Confectionery
3 Cocoa, Chocolate and Sugar Confectionery
l
l
l6 Margarine Miscellaneous Foods
l6 Margarine Miscellaneous Foods
18 Brewing and Malt ing
18 Brewing and Malt ing
9 Spirit Distilling and Compounding
9 Spirit Distilling and Compounding
lo Soft Drinks, British Wines, Cider
lo Soft Drinks, British Wines, Cider
22 Coke Ovens and Manufactured Fue
22 Coke Ovens and Manufactured Fue
23 Mineral Oil Refining
23 Mineral Oil Refining
24 Dyertuffs
24 Dyertuffs
27 General Chemicals
27 General Chemicals
28 Pharmaceutical Preparation
28 Pharmaceutical Preparation
30 Explosives and Firework
30 Explosives and Firework
31 Paint and Printing Ink
31 Paint and Printing Ink
lol
lol
35 Polishes
35 Polishes
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*)
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39 Iron Castings, etc
39 Iron Castings, etc
41 Agricultural Machinery (except Tractors)
41 Agricultural Machinery (except Tractors)
\$,
\$,
44 Industrial Engines and Accessories
44 Industrial Engines and Accessories
46 Contractors' Plant and Quarrying Machinery
46 Contractors' Plant and Quarrying Machinery
7 Mechanical Handling Equipment
7 Mechanical Handling Equipment
48 Office.Machinery
48 Office.Machinery
lol
lol
52 General Mechanical Engineering
52 General Mechanical Engineering
\$2 General Mechanical Eng ineering
\$2 General Mechanical Eng ineering
54 Watches and Clocks
54 Watches and Clocks
54 Electrical Machinery
54 Electrical Machinery
56 Insulated Wires and Cables
56 Insulated Wires and Cables
58 Radio and Other Electronic Appara
58 Radio and Other Electronic Appara
l
l
61 Shipbuilding and Marime Engineering
61 Shipbuilding and Marime Engineering
62 Motor Vehicle Manufacturing
62 Motor Vehicle Manufacturing
Cycle Manufacturing
Cycle Manufacturing
64 Aircraft Manufacturing and Repairing
64 Aircraft Manufacturing and Repairing
65 Locomot ives and Railway TTack Equipment
65 Locomot ives and Railway TTack Equipment
66 Railway Carriages and Wagons and Trams
66 Railway Carriages and Wagons and Trams
68 Tools and Implements
68 Tools and Implements
70 Bolts, Nuts, Screws, Rivets, etc
70 Bolts, Nuts, Screws, Rivets, etc
lol
lol
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l
Miscellaneous Metal Manufactures
Miscellaneous Metal Manufactures
75 Product ion of Man-made Fibres
75 Product ion of Man-made Fibres
76 Production of Nan-made Fibres
76 Production of Nan-made Fibres
Man-made Fibres
Man-made Fibres
8)
8)
\
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81 Hosiery
81 Hosiery
82 Lace
82 Lace
\$3 Carpets
\$3 Carpets
Carpets
Carpets
4 Narrow Fabrics
4 Narrow Fabrics
L Household Textiles an
L Household Textiles an
Textile Finishing
Textile Finishing
87 Textile Fin
87 Textile Fin
Miscellaneous Textile Industries
Miscellaneous Textile Industries
Leather (Tanning and Dressing) and
Leather (Tanning and Dressing) and
Fellmongery
Fellmongery
2 Fur
2 Fur
Men's and Boys' Tailored Outerwear
Men's and Boys' Tailored Outerwear
Men's and Boys' Tailored,Outerwear
Men's and Boys' Tailored,Outerwear
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Corsets and Miscellaneous Dress Industries
Corsets and Miscellaneous Dress Industries
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4 Cement
Abrasives
Abrasives
Furniture and Upholstery
Furniture and Upholstery
Mending and Soft Furnishings
Mending and Soft Furnishings
l
l
li Shop and Office Fitting
li Shop and Office Fitting
4 Paper and Board
4 Paper and Board
Packing Cases
Packing Cases
6 Miscell laneous Manufactures of Paper and Board
6 Miscell laneous Manufactures of Paper and Board
Periodicals
Periodicals
Menal Printing, Publishing, Bookbinding,
Menal Printing, Publishing, Bookbinding,
Rubber
Rubber
Rubber (inm, Leathercloth, et
Rubber (inm, Leathercloth, et
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Brushes, and Broons
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