


## Report on the Census of Production 1963

73 Jewellery, plate and refining of

## Report on the Census of Production 1963

$73 \begin{aligned} & \text { Jewellery, plate and refining of } \\ & \text { precious metals }\end{aligned}$

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)

$$
26 \cdot 9 \cdot 68
$$

$$
\left.\begin{array}{l}
5 \\
42 \\
{[H A}
\end{array} 251\right] \text { [ }
$$

## Notes

These notes give the main information needed for interpreting the figures in the industry rep
(More detailed information about the Census is $g$ iven in a separate booklet - 'Introductory Notes': Part 1 of the Report on the Census of
Production for 1963.)

GENERAL INFORMATION
Changes in the 1963 census
There were few changes resulting from amendments to the Standard Industrial Classification and industry reports compared with 1958 . Any such changes are explained in the introduct ions to
the industry reports concerned or by footnotes the industry re
to the tables.
Industrial Classification
Establishments were classified to industries on
the basis of major activity in conformity with the second edition of the Standard Industrial Classification (Consolidated Edition 1963, incorporat ing Amendment 1). Each industr
basically defined in terms of its principa products, these be ing of a similar nature
commonly associated in production. Normal commonly associated in production. Normally,
an establisisment was classified to an industry
if an establishment whe principal products of that industry accounted for a greater proportion
its total sales than did its sales of the its total sales than did its sales of the
principal products of any other industry. principal products of any other industry. How-
ever, where the application of this rule would have resulted in a change of classification
between 1958 and 1963 , the establishment was 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 predominant princtipal products
This modif ication of the general rule was introduced for 1958 to avoid dis-
cont inuit ies which would result from marginal changes in sales between successive censuses. The principle of classificition 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 dealt with in a different way. Details of any
non-standard treatment are given in the intro-non-standard treatment are given in the int
ductions to the relevant industry reports.

TERMS USED IN THE CENSUS REPORT
Average number employed
Firms were required to state the number of persons on the payroll (i.e. whose Nat ional average during the year of return, whether full $t$ ime or part-time employees. Separate figures were required for (a) administrative, technica below). Averages could be calculated from figures relating to the last week of each calendar month; figures shown in respect of $t$
average number employed relate to the sum of these averages. Firs were also required $t$
state the number of working proprietors (see state the number of working proprietors (see
below) where appropriate and these are include in total employment figures. Outworkers are excluded.

The figures include persons engaged in merchanting or factoring and canteen workers where particulars in respect of these activities
could not be excluded from the return.
Working Proprietor
These include all persons regarded as 'selfemployed' for Nat ional Insurance purposes, and members of their families who worke inge or
business without receiving a fixed wage salary; but persons who worked less than half the normal number of working hours are excluded
For Great Britain, directors working in the For Great Britain, directors working in the
business but not in receipt of a def inite wa salary or commission are included under this heading for 1963 , but are excluded for 1958 .
For Northern Ireland, directors of 1 imited companies, other than those paid by fee only,
are included for both years. are included for both years. (Directors pa
by fee only are not included in any of the by fee only are not included in any of
employment figures for either year.)
Employees
(i) Administrative, technical and clerical employees include managers, super intendents and works foremen; research, experimental,
development, technical and design employees development, technical and design employees
(other than operat ives); draughtsmen and (other than operatives); draughtsmen and
tracers; editorial staff, staff reporters
canyassers canvassers, competition and advertising staff; travellers; and office (including
works office) employees. For Great Britain, but not for Nor thern Ireland, they
include also managing and other directors include also managing and other directors
in receipt of a definite wage, salary or in receipt or
commission.
(ii) Operatives include all other classes of employees, that is, broadly speaking, all
manual wage earners. They include those manual wage earners. They include tho
employed in and about the factory or works; operatives employed in power houses, transport work, stores, warehouses shops and canteens; inspectors, viewers and similar workers; maintenance workers; and cleaners. Operatives engaged in out-
side work of erection, fitting, etc. are side work of erection, fitting, etc. are
also included, but outworkers (i.e. also included, but outworkers
persons employed by the firm who worked in
their own homes, etc. the ir own homes, ett. on materials
supplied by the firm) are excluded. supplied by the firm) are excluded.
Information about the numbers of outworkers Informat ion about the numbers of outworkers
employed was collected only for the gloves
industry.

Capital Expenditure
(i) New building work.

This represents the cost incurred during the year of new building and other new
constructional work (including of fice constructional work (including off ice
buildings, canteens and the like used in
connection with the business covered by the connection with the business covered by the
return but not dwelling houses for return but not dwelling houses for
employees). The value is that charged to employees). The value is
capital account during the year of return;
it includes it includes expenditure on new buildings or on the extension or reconstruction of old
buildings, the value of work of a capital nature carried out by firms' own staff, a the cost of any newly constructed build ings legal charges, stamp duties, agents' commissions, etc.

Notes - continued on pages iii and iv

## 73 <br> Jewellery, plate and refining of <br> precious metals

This Report on the Jewellery, Plate and Refining of Precious Metals Industry etc., gold, silver and platinum, etc., cutting and in assaying, smelting, refining, manufacturing ornaments of gold, silver, pewter, or plated with gold, stilver and in manufacturing jewellery, coins, medals and tableware (including spoons and forks, other than hafted forks). The Royal Mint is included.
This industry corresponds to minimum list heading 396 in the Standard Industrial assification (Consolidated edition, 1963)
For 1963 repair work on customers' goods, including remounting and mounting loose stones, which was previously taken into account in classifying returns to this industry, was treated as repair work outside the scope of this industry and proper

In the jewellery and plate section of this industry, where small firms account for a relatively large proportion of employment and output, a sample of firms
employing fewer than twenty-five persons was asked to complete a simplified employing fewer than twenty-five persons was asked to complete a simplified
version of the full census form for 1963 ; estimates based on the information version of the full census form for 1963; estimates bas
received from these small firms are given in Table 5 (i).
There were no small establishments in this industry in Northern Ireland in 1958

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

## LIST OF TABLES

| $\begin{aligned} & \text { Table } \\ & \text { No. } \end{aligned}$ | Title | Page |
| :---: | :---: | :---: |
| 1 | Industry summary: United Kingdom. Estimates for all firms, 1958 and 1963 | 73/3 |
| 2 | Analysis of larger firms by sub-divisions within the industry, 1958 and 1963 | 73/4 |
| 3 | Analysis of larger firms by size of enterprise within the industry, 1963 | 73/5 |
| 4 | Percentage analysis of employees, by age and sex, all firms, 1963: United Kingdom | 73/6 |
| 5(i) | Estimates of total sales of principal products of the Jewellery and Plate section of this industry, 1958 and 1963 | 73/7 |
| 5(ii) | Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963 | 73/8 |
| 6 | Sales of principal products of the industry by establishments classified to other industries, 1958 and 1963 | 73/11 |
| 7 | Sales of other than principal products by larger firms in the industry, 1958 and 1963 | 73/12 |
| 8 | Production of certain principal products of the industry by larger firms, including production by establishments classified to other industries, 1958 and 1963 | $\begin{aligned} & \text { DDES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 9 | Purchases of selected principal products of the industry by larger firms, 1963 | $\begin{aligned} & \text { DDES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 10 | Purchases by larger firms in the industry, 1954 and 1963 | 73/13 |
| 11 | Transport costs and employment of larger firms, 1963 | 73/15 |
| 12 | Payments for certain services, etc. by larger firms, 1963 | 73/15 |
| 13 | Percentage analysis of twelve-month periods covered by returns from larger firms, 1963 | 73/16 |
| 14 | Sales of all parts of machinery and plant by larger firms, including sales by establishments classified to other industries, 1958 and 1963 | $\begin{aligned} & \text { DOES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |

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

|  | Unit | 1958 | 1963 |
| :---: | :---: | :---: | :---: |
| Number of enterprises | No. | 885 | 864 |
| Number of establishments | " | 934 | 922 |
| Gross output | \& 000 | 155,731(b) | 414,945 |
| Net output | - | 22,943(b) | 31,918 |
| Net output per head | £ | 866(b) | 1,212 |
| Seles and $\quad$ goods produced and work done | £ 000 | 149, 207(b) | 399,976 (c) |
| Sales and work done $\quad\left\{\begin{array}{l}\text { merchanted goods and canteen takings }\end{array}\right.$ | , | 5,989(b) | 12,846 |
| Purchases $\quad\left\{\begin{array}{l}\text { materials for processing and } \\ \text { packaging, and fuel }\end{array}\right.$ | * | 130,991(b) | 367,415 |
| goods for merchanting and canteen purchases | * | 100,001(b) | 13, 144 |
| Payments to other $\quad\left\{\begin{array}{l}\text { for work done on materials given out }\end{array}\right.$ | - | 1,612(b) | 2,987 |
| organisations $\{$ for transport | - | 257(b) | 189 |
| Stocks and work in progress |  |  |  |
| Total stocks and work in progress $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | + 607(b) | $+2,831$ |
| progress ${ }^{\text {at end of year }}$ | * | 17,798 | 25,775 |
| Goods on hand for sale $\quad\left\{\begin{array}{l}\text { change during year } \\ \text { at end of year }\end{array}\right.$ | " | $+\quad 310(b)$ 8,784 | + 1,725 10,738 |
| Work in progress $\quad\left\{\begin{array}{c}\text { change during year }\end{array}\right.$ | " | + 225 | + 399 |
| Work in progress $\quad\left\{\begin{array}{l}\text { at end of year }\end{array}\right.$ | * | 3,160 | 4,306 |
| Materials, stores and fuel $\{$ change during year | * | + 72(b) | + 708 |
| Materials, stores and fuel $\left\{\begin{array}{l}\text { at end of year }\end{array}\right.$ | * | 5,854 | 10,732 |
| (total, including working proprietors | Th. | 26.5 | 26.3 |
| Average number employed $\quad\left\{\begin{array}{l}\text { operatives }\end{array}\right.$ | * | 21.2 | 19.3 |
| other employees (d) |  | 5.1 | 5.8 |
| ges and salaries $\quad\{$ of operatives | £ 000 | 9,019 | 10,981 |
| ges and salaries $\quad$ of other employees (d) | * | 3,511 | 5,444 |
| Employers' contributions to National Insurance and private pension schemes, etc. (e) | * |  | 1,264 |
| Capital expenditure (f) |  |  |  |
| Total | " |  | 1,526 |
| New building work | * | 314 | 372 |
| Land and existing buildings (g) | * | . | - 109 |
| Plant and machinery ( g ) | " | 931 | 1,021 |
| Vehicles (g) | * | 74 | 242 |

(a) For 1963 , estimates for small firms and for firms not making satisfactory returns accounted for about 24 per cent. of the total figures in which they were incorporated. (For 1958 the
comparable figure was 25 per cent.) A summary of the detailed returns received is given in Table 2.
(b) Revised figures for 1958.
(c) Including services rendered to other organisations (amounts charged for hiring out plant
machinery and other goods, for providing transport, or for technical or other services rendered),
(d) Administrative, technical and clerical employees.
(e) Including pensions and gratuities paid other than from pension funds
f) Excluding expenditure for establishments not yet in production.
(g) 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 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Jewellery and } \\ \text { plate } \\ 01 \end{gathered}$ |  | $\begin{gathered} \text { Precious me tals } \\ \text { refining } \\ 02 \end{gathered}$ |  |  |  |
|  |  | 1958 | 1963 | 1958 | 1963 | 1958 | 1963 |
| Number of enterprises | No. | 153 | 139 | 7 | 8 | 160 | 147 |
| Number of establishments |  | 174 | 166 | 26 | 25 | 200 | 191 |
| Gross output | £'000 | 22,470 | 34,644 | 116,877 | 355, 109 | 139,348 | 389,753 |
| Net output | " | 11,307 | 15,317 | 5,993 | 9,510 | 17,299 | 24,829 |
| Net output per head | £ | 785 | 1,086 | 1,106 | 1,645 | 873 | 1,248 |
| Sales and $\left\{\begin{array}{l}\text { goods produced and work } \\ \text { lone }\end{array}\right.$ | £'000 | 20,724 | 30,228(c) | 112,997 | 346,318(c) | 133,721 | 376,546(c) |
| work done $\left\{\begin{array}{l}\text { merchanted goods and } \\ \text { canteen takings }\end{array}\right.$ |  | 1,431 | 3,779 | 3,825 | 7,870 | 5,257 | 11,649 |
| Sales of characteristic products |  | 19,452 | 28,017 | 103,463 | 333,238 | (d) | (d) |
| Index of specialisation(e) | $\begin{aligned} & \text { Per } \\ & \text { cent. } \end{aligned}$ | 94 | 93 | 92 | 96 | 93 | 97 |
| $\text { Purchases } \quad\left\{\begin{array}{l} \text { mater ials for processing } \\ \text { and packeaging, and fuel } \\ \text { goods for merchant ing } \\ \text { and canten purchases } \end{array}\right.$ | £ 000 | 10,600 | 15,261 3,303 | 110,030 | 336,548 7,681 | 120,630 | 351,809 10,984 |
| Payments to other $\quad\left\{\begin{array}{l}\text { for work done on } \\ \text { materials given out }\end{array}\right.$ | " | 520 | 889 | 673 | 1,701 | 1,193 | 2,590 |
| organisations for transport |  | 150 | 116 | 94 | 52 | 244 | 167 |
| Stocks and work in progress |  |  |  |  |  |  |  |
| Goods on hand for $\quad\left\{\begin{array}{l}\text { change dur ing year }\end{array}\right.$ |  | + 209 | + 375 | - 7 | + 856 | + 202 | + 1,231 |
| sale ${ }^{\text {at end of year }}$ |  | 1,568 | 3,144 | 5,004 | 5,060 | 6,572 | 8,204 |
| Work in $\quad$ change during year | " | + 106 | + 261 | + 62 | + 65 | + 168 | + 326 |
| progress $\{$ at end of year |  | 1,533 | 2,359 | 831 | 1,471 | 2,364 | 3,830 |
| Materials, ¢change during year | " | + 106 | + 241 | 88 | + 383 | + 18 | + 625 |
| stores and fuel 1 $\quad$ at end of year | " | 2,660 | 3,225 | 1,720 | 5,570 | 4,380 | 8,796 |
| Average $\quad\left\{\begin{array}{l}\text { total, including working } \\ \text { proprietors }\end{array}\right.$ | No. | 14,402 | 14,108 | 5,419 | 5,781 | 19,821 | 19,889 |
| number nemployed $\quad$ operatives |  | 12,084 | 11,182 | 3,912 | 3,856 | 15,996 | 15,038 |
| other employees (f) |  | 2,300 | 2,798 | 1,507 | 1,925 | 3,807 | 4,723 |
| Wages and of operatives | £'000 | 5,059 | 6,026 | 1,739 | 2,642 | 6,797 | 8,668 |
| salaries $\quad$ of other employees (f) |  | 1,632 | 2,348 | 1,014 | 2,177 | 2,646 | 4,525 |
| Wages and \{operatives | \& | 419 | 539 | 444 | 685 | 425 | 576 |
| salaries per head $\quad\left\{\begin{array}{l}\text { other employees ( } f \text { ) }\end{array}\right.$ |  | 710 | 839 | 673 | 1,131 | 695 | 958 |
| Employers' contributions to National Insurance ( g ) | £ 000 | .. | 365 | .. | 181 | .. | 546 |
| Employers' contributions to private pension schemes, etc. (h) |  |  | 197 |  | 301 | . | 498 |
| Capital expenditure (i) |  |  |  |  |  |  |  |
| New building work |  | 106 | 168 | 129 | 170 | 235 | 338 |
| Land and existing buildings | " |  | - $123(\mathrm{j})$ |  | $+\quad 17(\mathrm{j})$ |  | - 106(j) |
| ant and \{acquisitions |  | 265 | 464 | 443 | 518 | 708 | 983 |
| machinery \{disposals |  | 4 | 18 | 8 | 14 | 12 | 32 |
| facquisitions | ${ }^{\prime \prime}$ | 135 | 181 | 34 | 63 | 169 | 244 |
| Vehicles $\left\{\begin{array}{l}\text { disposals }\end{array}\right.$ | " | 103 | 81 | 11 | 21 | 113 | 102 |

[^0]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 Kingdom

| Average number employed by the enterprise in the industry (a) | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \end{aligned}$ | Estabments nents | Average number (a) | Gross output | $\begin{gathered} \text { Net } \\ \text { Nutput } \end{gathered}$ | Net output per head | Capital ture (b) | Total value of stocks and ork in prorgens at end of year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | \&.000 | \& 000 | \& | \& 000 | \& 000 |
| 25-49 | 54 | 55 | 1,856 | 18,120 | 2,425 | 1,307 | 95 | 1,586 |
| 50-99 | 53 | 58 | 3,678 | 11,458 | 3,598 | 978 | 129 | 2,209 |
| 100-199 | 22 | 31 | 2,883 | 12,511 | 3,729 | 1,294 | 157 | 1,945 |
| 200-299 | 10 | 13 | 2,307 | 4,275 | 2,267 | 982 | 129 | 1,405 |
| 300-749 | 5 | 15 | 2,667 | 18,377 | 4,422 | 1,658 | 339 | 5,157 |
| 750 and over | 3 | 19 | 6,498 | 325,013 | 8,387 | 1,291 | 476 | 8,528 |
| Total | 147 | 191 | 19,889 | 389,753 | 24,828 | 1,248 | 1,325 | 20,829 |

(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 |  | Mages and salaries |  | Employers ${ }^{\circ}$ contributions |  | Wages and salaries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Operatives | Others <br> (c) | $\begin{aligned} & \text { Oper- } \\ & \text { atives } \end{aligned}$ | Others (c) | National Insurance (d) | $\begin{aligned} & \text { Private } \\ & \text { pension } \\ & \text { schemes, } \\ & \text { etc. (e) } \end{aligned}$ | Oper - | Others (c) |
|  | Number | Number | \&.000 | \& 000 | \& 000 | \&'000 | $\varepsilon$ | $\varepsilon$ |
| 25-49 | 1,401 | 404 | 841 | 388 | 48 | 22 | 600 | 960 |
| 50-99 | 2,870 | 761 | 1,492 | 633 | 91 | 31 | 520 | 831 |
| 100-199 | 2,336 | 526 | 1,226 | 452 | 81 | 24 | 525 | 860 |
| 200-299 | 1,765 | 533 | 811 | 439 | 59 | 30 | 460 | 823 |
| 300-749 | 1,992 | 675 | 1,403 | 596 | 80 | 85 | 705 | 883 |
| 750 and over | 4,674 | 1,824 | 2,894 | 2,017 | 186 | 306 | 619 | 1,106 |
| Total | 15,038 | 4,723 | 8,668 | 4,525 | 546 | 498 | 576 | 958 |

(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 total to $\$ 100,000$.
$\begin{array}{ll}\text { TABLE } 4 & \begin{array}{l}\text { Percentage analysis of employees, by age and } \\ \text { sex, all firms, 1963: United Kingdom (a) }\end{array}\end{array}$

| Ages | Males | Females | All employees |
| :--- | :---: | :---: | :---: |
| Under 18 <br> 18 and over | Per cent. | Per cent. | Per cent. |
|  | 43 | 4 | 8 |
|  | 57 | 39 | 92 |
|  | Source: Ministry of Labour |  |  |  |

(a) The percentages relate to the numbers employed (excluding The percentages relate to the numbers
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 7 per cent. of the employment shown for 1963 and 10 per cent. for 1958.

| Number of firms | 1958 | 1963 |
| :--- | ---: | ---: |
| $\left.\begin{array}{l}\text { Average number employed: } \\ \begin{array}{l}\text { Wor king propr ietors } \\ \text { Other persons employed }\end{array} \\ \hline\end{array}\right\}$ | 508 | 722 |

(b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic
products of each sub-division are identified in Table 5 (ii)
(c) Including services rendered to other organisations (amounts charged for hir ing out plant, machinery and
other goods, for providing transport, or for technical other goods, for providing ${ }^{\text {ot }}$
or other services rendered
(d) Characteristic products relate only to sub-divisions of
(d) Characteristic
the industry.
(e) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of good produced and work done. For the industry as a whole,
this is the ratio of total sales of principal product by the industry to total sales of goods produced and work
done.
(f) Administrative, technical and clerical employees.
(g) Including both flat rate and graduated contributions.
(h) Including pensions and gratuities paid other than from (h) Inclucing pens
(i) Excluding expenditure for establishments not yet in
production.
(j) Acquisitions less disposals.

TABLE 5(i) Estimates of total sales of principal products of the Jewellery and Plate section of this industry, 1958 and 1963 (a)
All firms: United Kingdom

|  | All firms (b) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1958(d) | 1963 | 1958(d) | 1963 |
|  | £ 000 | £'000 | £ 000 | £.000 |
| Jewellery, gem set or not |  |  |  |  |
| of platinum, gold (including gold and platinum combined) and silver whether or not covered with other precious metals | 7,418 | 12,917 | 3,509 | 6,439 |
| of all other materials (including base metals covered with precious metals, rolled or imitation gold and silver and imitation fashion and costume jewellery) | 1,325(e) | 4,560 | 785(e) | 1,212 |
| Goldsmiths' and silversmiths' wares (including thread, lace and braid, and knives complete with blades but excluding steel knives and watch cases) |  |  |  |  |
| of gold, platinum, or silver whether or not covered with other precious metals | 2,591(f) | 4,505 | 1,143(f) | 1,532 |
| of metals other than gold, platinum, silver whether or not covered with precious metals | 8,870 | 10,220 | 795 | 485 |
| Diamonds and other precious and semi-precious stones and pearls, cut or otherwise worked | 1,103 | 4,128 | 629 | 1,287 |
| Stampings, findings and other semi-processed goods of precious metals and other metals excluding refinery products | 9,762 | 3,608 | 1,586 | 2,113 |
| Other products (g) |  | 6,857 |  | 145 |
| Work done on commission, sub-contract work, etc. | 1,204 | 3,110 | 1,157 | 2,832 |
| Total | 32,273 | 49,905 | 9.604 | 16,046 |

(a) Including estimated figures for firms not making satisfactory returns.
(b) Including sales of principal products of the industry by larger firms but not by small firms, classified t.
Table $5(\mathrm{ii})$.
c) Estimates based on a sample of small firms which account for 18 per cent. of the total
employment of small firms in the industry for 1963 , and 34 per cent. for 1958 .
employment of
(d) Revised figures.
e) Excluding 'imitation, fashion and
(g) Including any sales by small firms of goods other than principal products of the industry (but excluding merchanted goods and the value of services rendered to other organisations)



| Industry sub(a) |  | 1958 |  | 1963 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Quantity | Value | Quantity | Value | (tater- | Entries |
|  | Other products Waste products | $\int_{321}^{\text {Th. oz.troy }}$ | £.000 |  | \& 000 | Number | Nunber |
|  |  |  | 708 | .. | 2,063 | 26 | 29 |
|  |  |  |  | Th.oz.troy |  |  |  |
|  | of precious metals |  | $\begin{aligned} & 217 \\ & 116 \end{aligned}$ | 250 | $\begin{gathered} 327 \\ 227 \end{gathered}$ | \} 47 | 49 |
|  | Other (including concentrates, metallic residues, etc.) | .. | 329 |  | 128 | 35 | 36 |
|  | Work done on commission, sub-contract work, etc. | .. | 508 | .. | 545 | 9 | 11 |
|  | Total |  | 127,244(h) |  | 369,591 | . | . |
|  | Sales in other industries (see Table 6) |  | 3,654 |  | 5,833 | .. | . |
|  | Principal products of this industry sold by <br> establishments in the industry |  | 123,590(h) |  | 363,758 | 147 | 156(i) |

(a) The number given is that of the sub-division of which the item is a character istic product. The sales shown are
the sub-division
(b) Not recorded separately for 1963, included in 'Other products'
(c) Excluding 'gold thread, lace and braid' for 1958.
(d) Excluding 'silver thread, lace and braid' for 1958.
(e) Excluding 'pewterware' for 1958.
(f) Including 'gold and silver thread, lace and braid and pewterware' for 1958.
(g) So far as recorded separately
(h) Revised figure. Repair work including remounting and mounting of loose stones included in this
(i) This figure represents the total number of return
(i) This figure represents the total number of returns made by larger firms in this industry, whic is less than the total number of establ
cover ing more than one establishment.

TABLE 6 Sales of principal products of the industry by establishments classified 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) |
|  | Th.doz. | \& 000 | Th.doz. | £ 000 | Number |  |
| Goldsmiths' and silversmiths' wares (including thread, lace and braid but excluding watch cases) |  |  |  |  |  |  |
| of metals other than gold, platinum or silver, whether or not covered with precious metals Spoons and forks |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Plated with silver | 149 | 246 | .. | 85 | 12 | 69 |
| Plated with base metals | 73.5 | 74 | 83.6 | 60 | 7 | 68 |
| Stainless steel | 97.1 | 136 | 568 | 483 | 13 | 69 |
| Other | 276 | 192 24 | \} 703 | 386 | 10 | 69, 74 |
| Knives, complete with blades, except steel knives | 9.0 | 31 | 20.6 | 66 | 7 | 69 |
| of gold, plat inum or silver and goldsmiths' and silversmiths' wares of other metals not elsewhere specified |  | 88 | .. | 89 | * | 74, 82 |
|  | Th.oz.troy |  | Th.oz.troy |  |  |  |
| Silver and manufactures of silver | 5,558 | 1,862 | 7,107 | 2,985 29 | \} | 40, 74 |
| Other products | . | 826 | .. | 1,650 | 7 | 40, 43, 69, 124 |
| Total |  | 3,654 |  | 5,833 | . |  |

(a) The references given are to the list of industries at the back of this report.

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

|  | 1958 | 1963 |
| :---: | :---: | :---: |
|  | Value | Value |
|  | £'000 | £'000 |
| Cutlery | 177 | 676 |
| Non-ferrous metals and manufactures thereof | 3,322 |  |
| Manufactures of miscellaneous metals | 111 |  |
| Chemical manufactures and other products | 6,152 | 8,646 |
| Repair work on customers' goods, including remounting and mounting of loose stones | 369 | 639 |
| Services rendered to other organisations (a) | .. | 374 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | 5,184 | 11,533 |
| Canteen takings | 73 | 116 |
| Total | 15,389(b) ${ }_{\text {(c) }}$ | 24,437 |

(a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, rendered to other organisations.
(b) Revised figure. 'Repair work on customers' goods, including remount ing and mount ing of
(c) Excluding amounts charged for services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger Production of certain principal products of the industry by larger
firms, including production by establishments classified to other 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, 1963

This table is not applicable to this industry.

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

|  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |


| TABLE 10 (continued) |
| :--- |

(a) Owing to the risk of disclosure of information relating to individual firms separate details
cannot be given and are included with 'All other materials for processing
(b) Not recorded separately for 1954.
(c) 'Wire' was not excluded in 1954 .
(d) 'Blister' was not specifically excluded in 1954
(e) Owing to the risk of disclosure of information relating to individual firms the total quantitie
(e) Owing to the risk of disclosure of information relating to individual firms the total
of electricity generated in firms

| TABLE 11 | Transport costs and employment of larger <br> firms, 1963 <br> Firms employing 25 or more persons: |
| :--- | :---: | :---: | :---: |
|  | United Kingdom |

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

|  | Amounts <br> payable |
| :--- | ---: |
| Repairs and maintenance to | $£^{\prime} 000$ |
| Buildings | 133 |
| Road goods vehicles | 21 |
| Plant, machinery, and other capital equipment | 467 |
| Insurance, licensing and depreciation of road goods <br> vehicles (b) | 49 |
| Rates, excluding water rates | 319 |
| Hire of plant and machinery |  |
| Postage, telephone, telegrams and cables | 32 |
| Total | 260 |

(a) No deduction is made for these payments to arrive at the figures (b) Het output given in this report.
(b) For details see Table 11.

TABLE 13 Percentage analysis of twelve-month periods 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 number <br> employed | Year ended | Percentage of <br> total number <br> employed |
| :--- | :---: | :---: | :---: |
| Apris (a) | Per cent. | 1983 <br> (contd.) | Per cent. |
| May | 2.3 | November | 0.0 |
| June | 0.6 | December | 50.0 |
| July | 0.7 | 1964 |  |
| August | 0.8 |  | 4.8 |
| September | 0.4 | February | 1.8 |
| October | 0.5 | March | 37.0 |

(a) Including returns made for twelve-month periods ended

1st to 5 th April, 1964.

TABLE 14 Sales of all parts of machinery and plant y larger firms, including sales by 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 freeholds purchased and the capital cost o premium payable for leaseholds acquired
(excluding the value of any assets aceuir (excluding the value of any assets acquired
in taking over an existing business) and the amounts receivable for any freeholds leaseholds disposed of. The value is tha
charged to capital account during the year
(iii) Plant, machinery and vehicles.

The items shown are the value of plant and new and second-hand, and the amount received for items disposed of dur ing the year. The value of plant and machinery
acquired includes plant, etc. which firms produced for the ir own use in connect ion
with the business covered by the with the business covered by the return.
The value of plant, etc. acquired is the The value of plant, etc. acquired is the
expenditure charged to capital account expend
dur ing the year of return less any dis-
counts rece ived, but including the cost of
transport and installation. No deduct ion
is man
is made for depreciation, amortisation or
obsolescence. The proceeds of items
disposed of during the year exclude amounts
disposed of during the year exclude amount
written off for items scrapped.
apital expenditure during the year in
of manufactur ing establishments where pro-
duction had not started before the end of the
year is excluded in this report for both 1958
and 1963
Characteristic Products
The characteristic products of a sub-division
are those in terms of which the sub-division is are those in terms of which the sub-division is ted in production and are usually similar in nature or manner of production. In most cases the characteristic products of each sub-
division are indicated in Table 5 of the division are indicated in Table 5 of the
industry reports. For those industries for which an analysis by sub-divisions has been made, Table 2 shows the total sales of such
characterist ic products for each sub-division. Characterist ic products for each sub-division.
The totals include, besides the products which
define the sub-division, define the sub-division, other items of output
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 common ownership or ontrol. An enterprise normally consists either of a single firm, or of a parent company

Entries
The number of entries shown in Tables 5, 6 and
The number of entries shown in Tables 5, 6 and
8 against a particular output or production
8 against a particular output or production
heading is the number of returns on which
figures were recorded for that item.
Establishment
The census was based on the establishment,
comprising in most cases the whole of the remises under the same ownership or management at a particular address (e.g. a factory or
nine); but firms were asked to exclude fro all sections of their returns particulars relating to any department not engaged in proccounts. Where separate accounts were not
net kept, they were asked to include merchant ing or
ancillary activities such as bottling, packing and the manufacture of containers for pack
their own products, whether or not these activities are carried on at not these as the works. Building and engineering maintenance departments and selling and tran mantenance departments and selling and
port departments were treated similarly.
Gross Output
The gross output of an industry is the aggregate value of goods made and other work done
during the year by the establishments class fied to the industry. It is derived by subracting from the value of sales and work done,
the value of stocks of goods on hand for sale nd work in progress at the beginning of the year
year.
Larger Firms
These are firms in which twenty-five or more
persons were employed on the average during the
et Output
The net output of an industry represents the It in materials by the process of pro-
duction. It includes the gross margin on any nerchanted or factored goods sold; it constitutes the fund from which wages, salaries,
nsurance, pensions, hire of plant and insurance, pensions, hire of plant and
nachinery, payments for repairs and mainten ance, costs of operating road vehicles, rents, rates and taxes, advertising and other selling
expenses and all other similar charges have to expenses an all as depreciation and profits. There is no appreciable duplication in net out put. Net output has been obtained by deduct-
ing from the gross output the cost of purchase justed for stock changes, payments for work iven out to other firms and payments for

Normally any customs or excise duty on
naterials 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,
where of substantial importance in the industry, where of substantial importance in the industry,
were required to be stated separately, and these tems were taken into account when calculating net output

Net output per person employed
The figures for net output per person employed verage number of persons employed (full-t the average number of persons employed (full-time
and part-time) on all activities covered by the eturns, including operatives, administrative echnical and clerical employees and working roprietors, but excluding outworkers.
Principal Products
The principal products of an industry are those n terms of which the industry is def ined. They are products commonly associated in prouction, and are usually similar in nature o anner of production
Production
This means the total quantity of a product made dur ing the year, whether sold in the year, added
to stock, transferred to another department of the same firm, or used in the manufacture of ther products within the business covered by materials supplied by other firms.

Purchases
components bought for use in production: fuel and electricity for all purposes; of pack-
aging materials, including the full cost of returnable cases and containers when first
purchased; purchased; of workshop materials, office materials and materings, plant and vehicles when carried out by their own workpeople included in the return; of consumable tools; and of parts for
machinery purchased during the year as replacements. Water charges are also included. In
general purchases of goods for merchant ing or general purchases of goods for merchanting or factor ing and canteen supplies are included.
Mater ials supplied by customers for processin
The values shown include any duty paid (less ebate, etc.) but exclude trade discounts
allowed. The cost of transport is included only if included in the cost of materials as
invoiced; amounts paid to transport organisa invoiced; amounts paid to transport organisa-
tions, including firms own separate transpor organisations, for delivery of materials and
fuel are, therefore, excluded. Materials fuel are, therefore, excluded. Materials
purchased overseas are included at their purchased overseas are included at their c.i.
cost plus any duty payable if the cost of transport from the docks was not included in the
invoiced price, but at their full delivered cost invoiced price, but at their full delivered cost
if invoiced 'carriage paid home'. Materials and ful transferred from another department of
the firm not covered by the same return are the firm not covered by the same return are
included at the estimated selling value recorded by the other department.
Sales
Sales are in respect of goods made by the usiness covered by the return, goods made fo
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 commission) and waste products.
Any machinery or other capital items produced Any machinery or other capital items produced
for use in the business covered by the return are included, the value being that adopted in the firm's capital asset account. Goods sol
without being subjected to any manufactur ing process (merchanted or factored) and canteen
takings are included as in process (merchanted included as in 1958 .
The value shown for sales is the net selling
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
' commissions, allowances fer returnate cases, packing mater ials is included. Goods char fed
on a delivered basis to customers overseas are on a delivered basis to customers overseas are
included at the foob. value. For work done commission or for the trade the value shown is the net amount char ged.
Where goods produced in one department were
transferred to another department of the same transferred to another department of the same
firm not covered by the return, these transfer were treated as sales by the producing depart
ment and valued as far as poss ible as if they ment and valued as far as possible as if they
had been sold to an independent purchaser. Goods transferred to wholesale or retail sell-
ing organisations for which separate accounts ing organisations for which separate accounts Est imations of a similar kind were also some-
$t$ imes necessary in valuing transfers between times necessary in valuing transfers betwen
different firms belonging to the same enterprise.
To the exteng that the sales of finished products of one establ ishment may
constitute the materials purchased by anoth constitute the materials purchased by another, naterials and fuel purchased) include an lement of duplication

## Services rendered

This represents the amounts charged for hiring
out plant, machinery and other goods, providing out plant, machinery and other goods, prov
transport, or for any technical or other
services rendered to other organisations. endered to other departments of the same fir rendered to other departme
not covered by the return.
Small Firms
These are firms in which fewer than twenty-five
persons were employed on the average during the year.
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 dutiable goods held out of bond. The value of dutiabie goods held out of bond. The value of work in progress at the two dates is also
usually shown. This excludes any progress payments made to subbcontractors, and no de-
paction is made on account of progress payments duction is
received.
Transport Payments
These represent the total amount paid or
credited during the year for both outwards credited dur ing the year for both outwards
transport of $f$ inished goods sold and inwards transport of materials and fuel 1 purchased.
They include payments to other firms, and They include payments to other firms, and to
any separate transport organisation of the same any separate transport organisation of the same
firm, not covered by the return, but exclude
the value the value of transport services provided by the
business covered by the return.
The items business covered by the return. The items
included are payments for hired cartage and for included are payments for hired cartage and for
inwards and outwards carriage by all forms of
inland transport, i.e. railways, road haulage, inland transport, i.e. railways, road haulage Payments made for sea freight on goods sold to customers overseas and on materials and fuel Vages and Salar
These are the amounts paid during the year to and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded; in Northern Ireland this exclusion extend also to payments to
directors of limited companies. The values
shown include shown include all overtime payments, bonuses and comisisions, whether paid regularly or not,
and no deduction is made for income tax, and no deduction is made for income tax, The
insurances, contributory pensions, etc. nalue of any payments in kind, travelli in
val expenses, lodg ing allowances, etc. and
employers. contributions to National Insurance 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 materials
supplied to them, and also by firms suppliied to them, and also by firms' own
establishments for which separate returns were establishments for which separate returns wer
made. They do not include payments to individual outworkers or payments for business
and other services.
Symbols used
The following symbols are used throughout the
.. Not available
Nil or negligible (less than half the final digit shown)
Figures cannot be shown owing to the risk of disclosing information about
indivite individual enterprises.

## Rounding of Figures

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

```
Part No. and title
ll
2 Coa, Mining
$ Chalk, Clay, Sand and Gravel Extraction
4. Chalk, Clay, Sand and Gravel Extraction
Mining and Quarrying
7 Gra in Willing
7 Grain Milling
9 Biscuits
lo Bacon Curing,
12 Sugar Corocolate and Sugar Confectionery 
lu. Fruit and Vegetable Product
55 Animal and Poultry Foods
16 Margar ine Miscellaneous Foods
18 Brewing and Malting
l
22. Tobacco (0ke Ovens and Manufactured Fuel
lol
24 Lubricating 0ils and Greases
25 Dyestuffs
Fertilizers and Chemicals 
28 Pharmaceut ical Preparations
29 Toilet Preparations
$0 Explosives and Firework
$3 Vegetable and Animal Oils and Fats
$,
36 Gelat ine, Adhesives, etc
37 Iron and Ste
l
```



```
l
44 Inustrial Engines
```



```
8 Mechanical Handling Equipmen.
480ffice Machinery 
O% Industrial Plant and Steelwork
51 Ordnance and Small Arms (Meeri
52 General Mechanical Eng ineering
S3 Scientific, Surgical and Photographic 
54 Watches and Clocks
55 Electrical Machinery 
$,
58 Radio and Other Electronic Apparatus
9. Domest ic Electrical Appliances
60 Miscellaneous Electrical Goods 
61 Shipbuilding and Mar ine Engineering
$2 Motor Vehicle Manufacturing
Cycle Manufacturing (ing and Repairing
64 Aircraft Manufactur ing and Repairing 
66 Railway Carriages and Wagons and Trams
67 Perambulators,Hand-trucks, etc.
l}\mp@subsup{}{69}{69}\mathrm{ Cutlery
and Perry
No. and title
Bolts,Nuts, Screws, Rivets,
T2. Wire and Wire Manufactures
    Cans and Metal Boxe.
    jewellery, Plate and Refining of precions
    d Refining o
74 Miscell aneous Metal Manufactures
    Spinning and Doubling of Cotton, Flax and
    n, Flax and
    77 Weaving of Cotton,Linen and Man-made Fibres
77. Weavin
    79 Jute \
80 Rope, Twine and Net 
    l
82 Lace,
83 Carpets 
84 Narrow Fabrics 
    l
    l
    9. Miscellaneous Textile Industries
    $
    91 Leather Goods
91 Leat
Fur
    N Meatherproof Outerwear 
    $ Men's and Boys' Tailored Outerwear 
    $ Women's and Girls' Tailored Outerwear
lol
l
M9 Corsets 
lol Footwear 
loz Bricks, F
104 Gotass
04 Glass
$5 Cement 
```



```
109 Furniture and Upholstery 
111 Shop and office Fitting
14. Wooden Containers and Baskets 
li3 Miscell laneous %ood and Cork Manufactures
lol
    Macking Cases 
M, Micellg
Periodicals 
    Moneral Printing
    # Engraving, etc.
19 Rubber (um, Leathercloth, etc
120 Binoleum, Leatherci
    Brushes and Brooms 
    Toy, Games and Sports Equipment 
N3 Miscellaneous Stat ioners' Goods
l
26 Construction
127 Gas Gactricity
27 Gas
l
lol}130\mathrm{ Index of Products
131 Summary Volume
132 Summary Volume
```

iv

## C Crown copyright 1968

Printed and published by
Her Majesty's Stationery Office
To be purchased from
49 High Holborn, London w.c. $I^{3}$
423 Oxford Street, London w. 1
13A. Castle Street, Edinburgh 2
109 St. Mary Street, Cardiff cF1 IJw
Brazennose Street, Manchester 2
50 Fairfax Street, Bristol 1
258-259 Broad Street, Birmingham 1
7-11 Linenhall Street, Belfast bt2 8 AY
or through any bookseller
Printed in England


[^0]:    For notes to this table - see page 73/6

