

BOARD OF TRADE

## FINAL REPORT

on the

## CENSUS OF PRODUCTION

FOR 1948
Volume 5
Trade F

## BRASS MANUFACTURES

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## table I

Gross output (production)
cost of materials and fuel used
Payment for work done on materlals given ou
Exclse duty
Net output
Wages and salarles of persons employed
Average number of persons employed (a)
Net output per person employed (a)
stocks at end of year
Finished products and work in progress
Matertals and fuel Number of establishnents

| 1948 | 1937 | 1935 |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { \& } 1000 \\ & 54,968 \end{aligned}$ | $\begin{array}{r} \AA^{1} 000 \\ 18,799 \end{array}$ | $\begin{gathered} \text { §'000 } \\ 13,665 \end{gathered}$ |
| 25,597 | 8,850 | 5,867 |
| 681 | 252 | 208 |
| 9 | .. | .. |
| 28, 678 | 9,697 | 7,590 |
| 15,685 |  |  |
| $\begin{aligned} & \text { No. } \\ & 51,659 \text { (b) } \end{aligned}$ | $\begin{array}{r} \text { No. } \\ 43,406 \end{array}$ | - ${ }_{39} \mathbf{N 0 .}$ |
|  |  |  |
| $\begin{array}{r} 555 \\ \& 1000 \end{array}$ |  | $\begin{array}{r} 193 \\ \AA^{\prime} 000 \end{array}$ |
| 4,967 | .. | .. |
| 4,079 |  |  |
| No. No. 616 | No. | No. |
|  |  |  |

(a) Excluding outworkers.

The values of gross output and of materials and fuel used are derived in the following way:

Output of firms in this trade
Total value of sales (1948) or production (1937 1935)

Principal products (see Table 8)
ther output (see Table 10)
Adjustment for changes in stocks and work in
progress (see Table 14)
Less payment for transport by other f1rns Gross output (production)
Materials and fuel used by firms in this trade
Purchases (see table 13)
Adjustment for changes in stocks (see table 14) Materials and fuel used

| 1948 | 1937 | 1935 |
| :---: | :---: | :---: |
| £ 1000 | £'000 | \& 1000 |
| $\begin{gathered} 45,750 \\ 8,948 \end{gathered}$ | $\begin{array}{r} 15,229 \\ 3,570 \end{array}$ | $\begin{gathered} 11,174 \\ 2,491 \end{gathered}$ |
| + 587 |  |  |
| $\begin{aligned} & 55,285 \\ & 318 \end{aligned}$ | 18,799 | 13,665 |
| 54,986 | 18,799 | 13,665 |
| $25,600$ | 8,850 | 5,867 |
| 25,597 | 8,850 | 5,867 |

Summary, 1948

## Small firms in Great britain

TABLE 2

| Number of returns | 240 |
| :---: | :---: |
| Average number of dersons employed (a) |  |
| Males | 1,180 |
| Females | 264 |
| Total | 1, 444 |

(a) Including working proprietors.

Estimated average employment, 1948 All firms in great britain
TABLE 3

| As returned by f1rms |  |
| :--- | ---: |
| Employing on average more than ton <br> Dersons (a) |  |
| Employing on average ten persons or less (b) | 51,659 |
|  | 1,444 |

Est1mated average employment in all firms
53,240
(a) See Tables 1 and 15 .
(b) See Table 2.

Analysis by size, 1948
Larger establishments in Great britain
table 4

| Average number employed | Establ1sh-ments | GrossOutput | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | $\begin{aligned} & \text { Persons } \\ & \text { employed } \end{aligned}$ | Remuneration |  |  | Net output per person employed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Wages | Salaries | Total |  |
|  | No. | \& 1000 | \&'000 | No. | £ ${ }^{1000}$ | § 1000 | § 1000 |  |
| 11-24 | 182 | 3,372 | 1,799 | 3,139 | 771 | 212 | 983 | 573 |
| 25-49 | 179 | 6,397 | 3,372 | 6, 190 | 1,493 | 389 | 1,882 | 545 |
| $50-99$ $100-199$ | 124 72 | 8,728 12,493 | 4,650 <br> 6,776 <br> , 11 | 8,840 11,561 | 2,079 2,708 | ${ }_{787} 607$ | 2,686 | 526 |
| 200-299 | 72 30 | - | 6,776 4,118 | 11,561 7,400 | 2,708 1,821 | 787 | 3,495 2,265 | 586 557 |
| 300-399 | 11 | 4, 155 | 2,260 | 3,763 | ${ }^{1,938}$ | 217 | 1,154 | 601 |
| 400-499 | 11 | 5,330 | 2,869 | 4,968 | 1,205 | 298 | 1,503 | 577 |
| 500-749 | 4 | 2,694 | 1,150 | 2,377 | ${ }_{773}^{563}$ | 187 | 750 | 484 |
| 750-1, 499 |  | 3, 255 | 1,684 | 3,421 | 773 | 194 | 967 |  |
| Total | 616 | 54,968 | 28,678 | 51,659 | 12,352 | 3,383 | 15,685 | 555 |


|  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Net | output |  |  | Remunerati |  |
| Region | ments | output | value | Percentage of total | employed | Wages | Salaries | Total |
|  | No. | §'000 | §'000 |  | No. | £'000 | §'000 | \& 1000 |
| England <br> Northern | 16 | 1,069 | 582 | 2.0 | 1,312 | 317 | 59 | 376 |
| East and West Ridings of Yorksh1re | 56 | 5,453 | 3,286 | 11.5 | 5,504 | 1,309 | 286 | 1,594 |
| North M1dland | 11 | 495 | 296 | 1.0 | 499 | 131 | 32 | 183 |
| Eastern | 5 | 395 | 201 | 0.7 | 387 | 84 | 28 | 112 |
| London and South Eastern | 96 | 5,444 | 3, 163 | 11.0 | 5,705 | 1,413 | 474 | 1,886 |
| Southern | 8 | 1,219 | 592 | 2.1 | 1,178 | 290 | 103 | 392 |
| south Western | 10 | 1,752 | 834 | 2.9 | 1,531 | 372 | 129 | 501 |
| M1dland | 291 | 29,525 | 14,762 | 51.5 | 26,705 | 6, 186 | 1,651 | 7,836 |
| North Western | 66 | 5,071 | 2,761 | 9.6 | 4,494 | 1,148 | 301 | 1,449 |
| Total England | 559 | 50,423 | 26,477 | 92.3 | 47,315 | 11,249 | 3,061 | 14,310 |
| Wales | 3 | 152 | 51 | 0.2 | 108 | 32 | 11 | 43 |
| Scotland | 54 | 4,391 | 2,150 | 7.5 | 4,236 | 1,071 | 261 | 1,332 |
| Great Britain | 616 | 54,966 | 28,678 | 100.0 | 51,659 | 12,352 | 3,333 | 15,685 |

TABLE 6 - Analysis according to specialisation with in the trade, 1948 Larger establishments in Great Britain

No specialisation within this trade was distinguished.
TABLE 7 - Total make of intermediate products: Larger establishments This table is not applicable to the trade.

Sales (or production) of the princlpal products of the trade, (or production) of the princlpal products of the tra
including sales (or production) of these products by
establishments classified to other trades establishments classified to ot
Larger Establishments

Note - owing to the large output recorded against general headings by establishments not classified to this trade, the output recorded against any of the specific headings may be incomplete. table 8

Brass (Including all alloys of
copper, but excluding nickel alloys copper, but excluding n1ckel alloys
other than nickel silver) (a)
Eng'ineers' and mechaniclans' goods supply)
Valves, other than for motor
vehicles, and cocks
Sanitary, bathroom, and othe
steam and water fittings
Other kinds of eng1neers' and
mechaniclans' goods, except
mechan1c1 ans' goods, except pressure gauges (b)

Builders' and cabinet makers ${ }^{\text {' }}$
goods (
ship, office, hearth and church furniture), not elsewhere specifled
fittings for motor cars and chass1s
amps, pendants, electroliers, for 11 ghting or heating purposes, whe ther o11, gas or electric, not elsewhere specifled (c) (d)
urricane lamps (e) (f)
Miners' lamps
Stoves, pressure type, ofl burning
Complete
Parts (e)
Switches, lampholders, cutouts and lighting

| $1948$Sales |  |  | $\begin{gathered} 1937 \\ \text { Production } \end{gathered}$ |  | $\begin{gathered} 1935 \\ \text { Production } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Quantity | value | Entries | Quantity | value | value |
| Th. ewts. | §'000 | No. | Th. cwts. | ', 000 | \&'000 |
| 219.5 | 5,276 2,101 | 226 | 264.8 | 2,478 913 | 2,371 |
| 230.2 $\cdots$ | 5,922 3,699 | 139 | 143.6 | 1,374 490 | 1,532 |
| 111.8 . | 2,028 ${ }_{935}$ | 146 | 34.1 | 352 151 | 162 |
| 66.8 .. | 1,869 1,305 | 153 | 150.5 | 1,603 940 | 1,932 |
| 42.7 .. | 1,213 | 48 | $\begin{array}{r}29.8 \\ . \\ \hline\end{array}$ | 354 108 | 483 |
| 43.0 .. | $\begin{aligned} & 1,212 \\ & 2,096 \end{aligned}$ | 98 |  |  |  |
| $\begin{gathered} \text { Thous. } \\ 45 \end{gathered}$ | 14 | .. | 220.7 .. | 1,148 | 1,513 |
| 259 | 264 | 11 | . | (g) | (g) |
| 5.1 <br> .. | $\begin{aligned} & 223 \\ & 344 \end{aligned}$ | 30 | $\begin{array}{r}20.7 \\ . . \\ \hline\end{array}$ | 302 72 | 330 |

## TABLE 8 (contd.)

Brass (1ncluding all alloys of
copper, but excluding n1ckel alloys
other than nickel silver)
(a) (contd.)

Coffin furniture
Bar, brewery and distillery
f1ttings
F1re extinguishing apparatus (f)
Art metal work (including antique Art metal work (incluaing antique
reproductions) not elsewhere spec 1 11ed
Nameplates, dials, instruction Dlates and s1m1lar goods of brass Portholes, scuttles and s1m1lar
f1ttings for ships

Ra11way and tranway fittings
Sheet metal stampings and pressings of brass, not elsewhere
specifled
pot press
Hot brass pressings, not elsewhere
specifled
Hinges, hinge blanks and parts
therefor (1)
Bolts and hasps, blanks and parts
therefor (1)
Processed brass for clock dials
Propellors and propelior blades for
ships shids
Other fin1shed goods of brass,
etc., not elsewhere spectif1ed
Castings in the rough
Unclassifled brass castings
Unclassified finished goods of
brass brass

Unclassified forgings (including drop forgings and drod stampings
of brass) in the rough or machined

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TABLE 8 (contd.

(a) Excluding all nickel alloys in 1937. Described as "Finished brass goods" in 1935.
(0) For pressure gauges see the Mechanical Engineering (General) Trade (Volume 4, Trade I).
(c) Excluding motor and cycle lamps for which see the Electrical Engineering (General) Trade
(Volume 4, Trade K).
(d) For blow lamps and brazing lamps see the Tool and Implement trade (Volume 5, Trade A).
(e) So far as recorded separately.
(f) For other than of brass see the report on the Hardware, Hollow-ware, Metal furniture and Sheet Metal Trade (Volume 5, Trade E).
(g) Not recorded separately.
(h) Including some goods of metals other than prass.
(1) Not recorded.
(f) Returned by establishments previousiy classified to the Printing, Bookbinding, stereotyping
Engraving and Kindred Trades, not covered by the 1937 Inquiry.
(k) Including some unclassifled output.
(1) For similar products of 1 ron and steel see the Hardware, Hollow-ware, Metal furniture and sheet Metal Trade (Volune 5, Trade E).
(m) Anount charged in 1948 and amount received in 1937 and 1935.

rass (including all alloys of copper than nickel silver)
Engineers' and mechanicians' goods (including fittings for water

Valves, other than for motor vehicles, and cocks

Sanitary, bathroom, and other
steam and water fittings ther kinds of eng1neers' and
mechanictans' goods, except pressure gauges
Bullders' and cabinet makers
goods (1ncluding house, shop,
ship,
ship, office, hearth and church
furn1ture) not elsewhere
F1ttings for motor cars an
${ }^{\text {Fhassis }}$
Lamps, pendants, electroliers,
Lamps, pendants, electrol
brackets, taps and other
ond
fittings for 11 ghting or heating purposes, whe ther oll,
gas or electric, not elsewhere spectif1ed
Stoves, pressure type, oil Complet

Parts
switches, lampholders, cutouts and other accessories
for electric 11 ght 1 ng

Coffin furniture
Bar, brewery and distillery
f1ttings

(a) Amount charged.

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TABLE 10
Manufactures of orass (1ncluding all alloys
of copper, other than nickel ailloys) Pressure gauges
Ingots, plates, sheets, rods, sections
and tubes -ature Manufactures of metals other than brass Builders' and cabinet makers' goods Cocks and valves, other than for motor
vehicles
Sanitary, bathroom and other steam and
water fittings
water fittings
Hardware, hollow-ware, metallic furniture
and sheet metal products Needles, pins and metal smallwares Machinery and parts
Parts and accessorles of motor cars,
motor cycles and cycies
Metal manufactures, not elsewhere
spectified
of iron
of aluminium
of copper
of lead
of zinc
of white metal
of other metals and alloys
Electrical goods and apparatus
other goods
Scrap metals
Brass
Other metals
work done (a)

| $\begin{aligned} & 1948 \\ & \text { Sales } \end{aligned}$ | $\begin{aligned} & 1937 \\ & \text { Production } \end{aligned}$ | $\begin{gathered} 1935 \\ \text { Production } \end{gathered}$ |
| :---: | :---: | :---: |
| £'000 | £ 1000 | £'000 |
| 122 | 38 | 46 |
| $(58,400 \text { cwts. })$ | 252 | 145 |
| 181 | 131 | 145 |
| 597 | 111 | 66 |
| 298 | 34 | 57 |
| 389 | 208 | 397 |
| 291 | 51 | 33 |
| 299 | 94 | 66 |
| 215 | 324 | 185 |
| 842 | 519 | 142 |
| 1,099 | 134 | 78 |
| 354 | 251 | 128 |
| 20 | 49 | 26 |
| 155 | 30 | 137 |
| 165 | 185 | 158 |
| 373 | 151 | 86 |
| 121 | 166 | 89 |
| 883 | 246 | 215 |
| 1,645 | 488 | 227 |
| (446, 1006 cwts.) | 62 | 41 |
| 140 | 46 | 24 |
| 8,948 | 3,570 | 2,491 |

[^0]DS 8471/1
table 12

|  | Production (b) (c) | Exports | Retained <br> imports |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Th. cwts. | Th. cwts. | Th. cwts. |  |
| Valves other than for motor vehicles, and <br> cocks, of brass and other alloys of copper | $\begin{cases}1948 \\ 1937\end{cases}$ | 306.9 <br> 362.4 | 55.8 <br> 24.4 | 10.9 <br> 66.7 |

(a) Figures of sales (or production) refer only to larger establishnents in the
relevant years. All recorded exports from and imports into the United Kingdom are given in
the table. The flgures, therefore, are not strictly comparable.
(b)
(b) Sales in 1948 and production for sale in 1937, partiy estimated.
(c) Including sales (or production) by estabishments classified to other trades.

TABLE 13

|  | 1948 |  | 1937 |  | 1935 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Materiais and fuel purchased |  | Usage of purchased materials and fuel |  |  |  |
|  | Quantity | Cost | Quantity | Cost | Quantity | Cost |
|  | Th. tons | § 1000 | Th. tons | §'000 | Th. tons | \$ 000 |
| Materials <br> Brass (including all alloys of copper, but excluding nickel alloys other than nickel silver) (a) |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Unwrought, in blocks, ingots, slabs, billets, etc. | 30.1 | 3,097 | 33.8 | 1,762(b) | 12.3 | 414(c) |
| Castings | 4.7 | 1,066 | 4.3 | 334 | 4.3 | 260 |
| Plates, sheets, strip, discs, and circles | 8.5 | 1, 362 | 7.0 | 502 |  |  |
| Tubes | 1.4 | 325 58 | 1.0 | 103 |  |  |
| Scrap | 16.4 | 1,445 | 15.8 | 733 | 28.9 | 1,177 |
| Rods and bars (rolled, extruded, or drawn) and wire | 36.7 | 4, 848 | 16.3 |  | . . | 453 |
| 0 ther descriptions (d) | 8.8 | 1,748 | -. | $1{ }^{1} 127$ |  |  |
| Unclassified | 1.7 | 228 | - | - | - | - |
| Zinc and alloys of zinc, unwrought, in ingots, blocks, slabs, and cakes | 4.2 | 356 | 2.4 | 71(e) | 5.1 | 128(f) |
| Copper |  |  |  |  |  |  |
| Unwrought, in ingots, blocks, slabs, bars, etc. | 2.0 | 240 | 6.1 | 329 |  |  |
| Plates, sheets, strip, discs and circles | 0.7 | 141 | 0.8 | 62 |  |  |
| Tubes | 1.1 | 200 | 0.5 | 68 |  |  |
| Wire and rods | 0.3 | ${ }_{6}^{53}$ | . | (g) | 9.9 | 383 |
| Scrap | 5.6 | 616 | .. | (g) |  |  |
| Other descriptions (d) | .. | 82 | . | (g) |  |  |
| Uncl assified | 5.3 | 697 | - | - |  |  |
| Packing materials | .. | 373 | .. | 100 | .. | (g) |
| Iron and steel in all forms, except finished parts | 21.2 .. | $\begin{aligned} & 792 \\ & 166 \end{aligned}$ |  |  |  |  |
| Aluminium and aluminium alloys in all forms, except finished parts | 4.2 | 365 | .. | (g) | .. | (g) |
| DS 8471/1 |  |  |  |  |  |  |

5/F/14
TABLE 13 (contd.)

|  | 1948 |  | 1937 |  | 1935 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Materials and fuel purchased |  | Usage of purchased materials and fuel |  |  |  |
|  | Quantity | cost | Quantity | Cost | Quantity | Cost |
|  | Th. tons | §'000 | Th. tons | £ 000 | Th. tons | §'000 |
| Materials (contd.) |  |  |  |  |  |  |
| Replacement parts for firms' machinery | .. | 240 |  |  |  |  |
| Consunable tools bought as replacement | .. | 428 | . | 2,813 | .. | 2,472( h ) |
| All other purchased materials | .. | 4,821 |  |  |  |  |
| Unclassified materials | .. | 197 | .. | 430 | .. | 349 |
| Fuel and electricity |  |  |  |  |  |  |
| Coal | 21.2 | 63 | 23.3 | 29 | 20.1 | 21 |
| Coke | ${ }^{67.0}{ }^{\text {B. }}$. T. U. | 307 | Th. $\dot{B} \cdot \underline{\text { T. }}$ U. | (g) |  | 71 |
|  |  |  |  |  |  |  |
| From public supply | 60,786 | 296 |  |  |  |  |
| From other sources |  |  | 37,695 | 135 | 33, 064 | 114 |
| Electricity obtained from other works under the same ownership | 244 | 1 |  |  |  |  |
| Motor spirit (petrol) and derv. fuel | Th. galls. |  |  |  | Th. galls. |  |
| Used for roed vehicles | $358$ | 38 7 7 |  |  |  |  |
| Used for other power purposes | 150 | 7 | . | (g) | . | (E) |
| other oll fuel (including creosote) p1tch mixtures) | 3,495 | 110 | .. | (g) | 1,309 | 25 (j) |
| Gas purchased | Th. therms |  |  |  |  |  |
| From public supply | Th. cu. ft. <br> 12, 094 | 168 18 3 |  |  |  |  |
| From other sources | fri. therms |  | .. | 213 | . | (g) |
| Gas obtained from other works under the same owmership |  | 1 |  |  |  |  |
| All other purchased fuel | .. | 16 |  |  |  |  |
| Total |  | 25,600 |  | 8,850 |  | 5,867 |

$$
\text { (a) Excluding all nickel alloys in } 1937 \text {. Described as "Brass" in } 1935 .
$$

(c) Descr 1bed as "Unwrought in blocks, ingots, etc."
(d) Exclua

Zinc only.
Described "Zinc, in all
Not recorded
(g) Not recorded separately.
(h) Includ ing fuel not specifled separately. (j) Lescribed as "He avy fuel oil".

Stocks of finished products and work in
progress and stocks of materials and fuel,
Largor establishments in Great Britain

TABLE 14

|  | At beginning of year |  | At end of year |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quentity | Value |
|  |  | £ 000 |  | §. 000 |
| Frinished products | .. | 1,509 | .. | 1,816 |
| Work in progress |  | 2,737 |  | 3,005 |
| Unclassified |  | 135 |  | 146 |
| Total finished products and work in progress |  | 4,381 |  | 4,987 |
|  | Th. tons |  | Th. tons |  |
| Materiels and fuel |  |  |  |  |
| Brass in all forrns, excoot finished parts | 13.6 .. | 1,482 | 12.5 | 1, 378 |
| Copper in all forms, excert finished parts | 1.6 | $\begin{gathered} 185 \\ 63 \end{gathered}$ | 1.5 | 180 65 |
| Other cescriptions of materizis and fuel | .. | 1,571 | . | 1,698 |
| Unclassified | .. | 100 | .. | 110 |
| Total mater 1 als and fuel |  | 4,077 |  | 4,079 |

TABLE 15

|  | Average number of operatives |  |  | Administrative, technical and clerical employees (b) |  |  | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1948 | 1937 | 1935 | 1948 | 1937 | 1935 | 1948 | 1937 | 1935 |
| Males |  |  |  |  |  |  |  |  |  |
| Under 18 <br> All ages | $\begin{array}{r} 2,053 \\ 30,006 \end{array}$ | $\begin{array}{r} 5,508 \\ 27,220 \end{array}$ | $\begin{array}{r} 4,782 \\ 23,954 \end{array}$ | $\begin{array}{r} 210 \\ 4,246 \end{array}$ | $\begin{array}{r} 246 \\ 2,975 \end{array}$ | $\begin{array}{r} 200 \\ 2,804 \end{array}$ | $\begin{array}{r} 2,263 \\ 34,252 \end{array}$ | $\begin{array}{r} 5,754 \\ 30,195 \end{array}$ | $\begin{array}{r} 4,982 \\ 26,758 \end{array}$ |
| Females |  |  |  |  |  |  |  |  |  |
| Under 18 <br> All ages | $\begin{array}{r} 1,061 \\ 14,421 \end{array}$ | $\begin{array}{r} 2,959 \\ 11,356 \end{array}$ | $\begin{array}{r} 2,923 \\ 10,794 \end{array}$ | $\begin{array}{r} 485 \\ 2,855 \end{array}$ | $\begin{array}{r} 449 \\ 1,855 \end{array}$ | $\begin{array}{r} 362 \\ 1,730 \end{array}$ | $\begin{array}{r} 1,546- \\ 17,276 \end{array}$ | $\begin{array}{r} 3,408 \\ 13,211 \end{array}$ | $\begin{array}{r} 3,285 \\ 12,524 \end{array}$ |
| Total |  |  |  |  |  |  |  |  |  |
| Under 18 All ages | $\begin{array}{r} 3,114 \\ 44,427 \end{array}$ | $\begin{array}{r} 8,487 \\ 38,576 \end{array}$ | $\begin{array}{r} 7,705 \\ 34,748 \end{array}$ | $\begin{array}{r} 695 \\ 7,101(c) \end{array}$ | $\begin{array}{r} 695 \\ 4,830 \end{array}$ | $\begin{array}{r} 562 \\ 4,534 \end{array}$ | $\left.\begin{array}{r} 3,809 \\ 51,588 \\ (\mathrm{c}) \mathrm{c}) \end{array} \right\rvert\,$ | $\begin{array}{r} 9,162 \\ 43,406 \end{array}$ | $\begin{array}{r} 8,267 \\ 39,282 \end{array}$ |
|  | £'000 |  |  | £ 1000 |  |  | £'000 |  |  |
| Total remuneration | 12,352 | .. | .. | 3,333 | .. | .. | 15,685 | .. | .. |

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport

$$
\begin{array}{lrr}
\text { Canteen workers } & 5 \text { males } & 462 \text { females } \\
\text { Other workers } & 73 \text { males } & 51 \text { females }
\end{array}
$$

(c) There were, in addition, 131 working propr 1etors (128 males and 3 females) in 1948. Working
(d) The employers' share of contributions to all National Insurance Schemes payable during the year in
respect of these workers amounted to 2394, 000.
The following persons (1ncluded in this total) were employed on special work by establishments
employing 100 or more persons:-

| Operatives | Adm1nistrative, <br> techn1cal and <br> cler1cal employee |
| :---: | :---: |
| 102 |  |
| 111 | 24 |

outworkers in 1948, the amount paid to them being $\$ 6,000$. S1milar information 1s not ava1lable for 1937 and 1935.

## table 16

|  | $\begin{gathered} \text { mount } \\ \text { pand } \\ \text { pa all } \\ \text { establish- } \\ \text { ments } \end{gathered}$ | Establishments making returns for the calendar year |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Arount } \\ \text { paid } \end{gathered}$ | Percentage of annual remuneration pald in |  |  |  |  |
|  |  |  | First quarter | Second | Third quarter | Fourth quarter | Year |
| Wayes and salaries of | \& 1000 | S'000 |  |  |  |  |  |
| Operatives | 12,352 | 6,724 | 24.1 | 25.2 | 24.2 | 26.5 | 100.0 |
| Administrative, <br> technical and clerical employees | 3,333 | 1,770 | 24.5 | 24.4 | 24.5 | 26.7 | 100.0 |
| Total | 15, 685 | 8,493 | 24.2 | 25.0 | 24.2 | 26.5 | 100.0 |

(a) Including bonus and commission payments. .

TABLE 17 - Payments for work done on materials given out, 1948 Larger establishments in Great Britain
The total amount pald for work done on materials g1ven out was $\$ 681,000$

## Payments for certain services, 1948

table is
Larger establishments in Great Britain

## Repair and maintenance

of buildings
Amount pa1d

Of plant, machinery and vehicle
Unclassified
Hire of plant, machinery and vehicles
Advert1sing and market research
Advertising in newspapers, magazines and periodicals
Other advertising services (poster display, despatch of circulars,
etc.) and market research
Unclassified
Payments made for research work
To research assoclations
To universities, institutions, academic bodies and similar agencies
To other commercler concerns
Postage, telephone, telegrams and cables
comitercial insurance Dremiums
Rates (excluding water rates) payable in the year
table 19

|  | Acquisitions |  | D1sposals |
| :--- | :---: | :---: | :---: |
|  | New | Second-hand |  |
| Plant and machinery | $\S^{\prime} 000$ | $\S^{\prime} 000$ | $\S^{\prime} 000$ |
|  | 1,003 | 188 | 87 |
|  | Total |  |  |  |

Capital expenditure on building work and changes in
occupation of buildings and land, 1948
Larger establishments in Great Britain

## TABLE 20

. Capital expenditure on building work (a)
2. Existing bulldings and land (b)
(1) Capital cost of freeholds bought

Estimated capital value of
(11) Rented property newly occupied in Rented propert.
the year (c)
(111) Leasehold bulldings and land newly occupled in the year
Total of heading 2

$$
\text { Total of headings } 1 \text { and } 2
$$


3. Existing buildings and land relinquished (d)
(1) Selling value of freeholds sold
(11) Estimated value of other properties relinquished Total of heading 3

4. Headings 1 and 2 less heading 3
(a) Excluding site value which, where appropriate, is included in heading 2(1).
(b) The flgures do not reflect changes in ownership of previously occupled land and bulidings.
or the payment of a premium.
(d) Including property destroyed or abandoned.
233

88
214

Summary

## TABLE 21

Larger establishments

| England | Waies | Scotland | $\begin{gathered} \text { Great } \\ \text { Brıtain } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| \& 1000 | \&'000 | \& 1000 | \& 1000 |
| 50,423 | 152 | 4,391 | 54,966 |
| 23, 292 | 98 | 2,207 | 25,597 |
| 545 | 3 | 34 | 681 |
| 9 | - | - | 9 |
| 26,477 | 51 | 2,150 | 28,678 |
| $\begin{gathered} \text { 14,310 } \begin{array}{c} \text { No. } \end{array}, ~ \end{gathered}$ | $\begin{aligned} & \text { 43, } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { 1,332 } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & 15,685 \\ & \text { No. } \end{aligned}$ |
| $47, \frac{115}{215}$ | ${ }_{\Sigma}^{108}$ | $4,236$ | $51,659$ |
| 560 | 472 | 508 | 555 |
| §'000 | \& 1000 | \& 000 | § 1000 |
| 4, 428 | 2 | 537 | 4,967 |
| 3,674 | 11 | 394 | 4,079 |
| No. <br>  | ${ }^{\mathrm{No}}{ }_{3}$ | ${ }^{\mathrm{No}} \mathrm{E}_{4}$ | ${ }_{616}{ }^{\text {No. }}$ |

(a) Excluding outworkers

The values of gross output and of materials and fuel used are derived in the following ways:-

|  | England | Wales | Scotland | Great Britain |
| :---: | :---: | :---: | :---: | :---: |
| Output of firms in this trade | §'000 | \& 1000 | \&'000 | \& 1000 |
| Total value of sales (see table 23) | 50,162 | 153 | 4,383 | 54, 698 |
| Adjustment for changes in stocks and work in progress | + 531 | - | + 56 | + 587 |
| Less payment for transport by | 50, 693 | 153 | 4,438 | 55,285 |
| other firms | 270 | 1 | 47 | 318 |
| Gross output (production) | 50,423 | 152 | 4, 391 | 54, 966 |
| Materials and fuel used by firms in this trade |  |  |  |  |
| Purchases (see Table 24) | 23, 287 | 100 | 2,213 | 25, 600 |
| Adjustment for changes in stocks | + 5 | - 1 | - 6 | - 3 |
| Matertals and fuel used | 23, 292 | 98 | 2,207 | 25,597 |
| DS $8471 / 1$ |  |  |  |  |

Summary
small firms

| TABLE 22 | England | Wales | Scotland | Great <br> Britain |
| :--- | :---: | :---: | :---: | :---: |
| Number of returns | 216 | 2 | 22 | 240 |
| Average number of persons employed (a) <br> Males <br> Females <br> Total$\quad 1,049$ | 14 | 117 | 1,180 |  |

(a) Including working proprietors.

Larger establishments
TABLE 23


5/F/22
METAL GOODS NOT ELSEWHERE SPECIFTED COUNTRY TABLES
TABLE 23 (contd.)

|  | England and wales |  | Scotiand |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | quantity | value | Quantity | value | Quantity | value |
| Principal products (contd.) <br> Brass (including all alloys of copper, but excluding nickel alloys other than nickel <br> sliver) (contd.) |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Coffin furniture | $\begin{array}{r}2.6 \\ \hline .\end{array}$ | 85 34 | - | - | $\begin{array}{r}2.6 \\ . \\ \hline\end{array}$ | 85 34 |
| Bar, brewery and distillery | 1.5 | 55 644 | .. | 4 | $\begin{array}{r}1.5 \\ \hline .\end{array}$ | 59 657 |
| F1re extinguishing apparatus | .. | (a) | . | (a) | 9.0 | 178 80 |
| Art metal work (including antique reproductions) not elsewhere spectifled | .. | (a) | . | (a) | . | 737 |
| Nameplates, dials, instruction plates and similar goods of brass | .. | (a) | .. | (a) | 2.8 | 133 524 |
| Portholes, scuttles and similar fittings for ships | 10.9 .. | $\begin{aligned} & 279 \\ & 263 \end{aligned}$ | 0.1 $\cdots$ | ${ }_{28}^{17}$ | 11.0 .0 | 295 |
| Railway and tramway fittings | .. | (a) | . | (a) | 7.8 | 2202 |
| Sheet metal stampings and pressings of brass, not elsewhere specifled | 18.4 .. | $\begin{aligned} & 459 \\ & 600 \\ & \end{aligned}$ | - | - | 18.4 .0 | 459 600 |
| Hot brass pressings, not elsewhere specifled | 226.6 | 3,470 | - | - | 228.6 | 3,470 |
| Hinges, hinge blanks and parts therefor | .. | (a) | . | (a) | 2.7 .. | 99 354 |
| Bolts and hasps, blanks and parts therefor | .. | (a) | . | (a) | $1.5$ | 53 23 |
| Processed brass for clock dials | .. | 37 | - | - | .. | 37 |
| Propellors and propellor blades for ships, and other finished goods of specif1ed | . | (a) | .. | (a) | 44.2 | $\begin{array}{r} 927 \\ 1,583 \end{array}$ |
| Castings in the rough | 466.2 | 6,135 | 62.8 | 791 | 529.1 | 6,926 |
| Unclassifled brass castings | .. | (a) | .. | (a) | 12.3 | 164 |
| Unclassified finished goods of brass | $28.5$ | $\begin{aligned} & 576 \\ & 727 \\ & 726 \end{aligned}$ | $3.0$ | 50 58 | $\begin{array}{r} 31.5 \\ . .5 \end{array}$ | ${ }_{785}^{626}$ |
| Coffin furniture of metals other than brass | $12.2$ | $\begin{gathered} 164 \\ 10 \end{gathered}$ | .- | 114 | 12.2 .. | 164 |
| Waste products, other than scrap metal | .. | (a) | .. | (a) | .. | 29 |
| Work done for the trade (fin1shing, polishing, lacquering, etc.) (b |  | 335 |  | 4 |  | 340 |
| Repair work (b) |  | 146 |  | 40 |  | 186 |
| Total principal products DS $8471 / 1$ |  | 41, 972 |  | 3,778 |  | 45.750 |

TABLE 23 (contd.)
BRASS MANUFACTURES COUNTRY TABLES
5/F/23
other output
Manuractures of brass (1ncluding all alloys of
copper other than nickel
al10ys)
pressure gauges
Ingots, Dlates, sheets,
rods, sections and tuoes
Manufactures of metals other
than brass
Builders' and cabinet
makers
cocks and valves, other
than for motor veh1cles
Sanitary, bathroom and
other steam and water
other steam and water
f1tt1ngs
Hardware
Hardware, hollow-ware,
metell 11 , furniture and
sheet metal
sheet metal products
Needles, pins and metal
smallwares
Machinery and parts
Parts and accessories of
motor cars, motor cycles
motor cars,
and cycles
Metal manufactures, not
elsewhere specifled
of 1 ron and steel
of aluminium
of copper.
of lead
of zinc
of white metal
of other metals and alloys
Electrical goods and apparatus
other goods
Scrap metals
Brass
other metals
Work done (b)
(a) Owing to the risk of disclosure of information relating to individul 54,098
(a) owing to the risk of disclosure of information relating to individual firms separate figures cannot

|  | Engl and and Wales |  | Scotl and |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | cost | Quantity | Cost |
| Materials | Th. tons | §'000 | Th. tons | $\Sigma^{\prime} 000$ | Th. tons | \$1000 |
| Brass (including all alloys of copper, but excluding nickel alloys other than nickel silver) |  |  |  |  |  |  |
| Unwrought, in blocks, ingots, slabs, billets, etc. | 26.3 | 2,663 | 3.9 | 435 | 30.1 | 3,097 |
| Castings | 4.1 | 935 | 0.6 | 131 | 4.7 | 1,066 |
| Plates, sheets, strip, diecs, and circles | 8.4 | $\underset{168}{1,357}$ | - | 6 | $8.5$ | $\begin{gathered} 1,362 \\ 166 \end{gathered}$ |
| Tubes | 0.9 . | 223 58 | 0.4 | 103 | ${ }^{1.4}$ | 325 58 |
| Scrap | 14.0 | 1,252 | 2.4 | 192 | 16.4 | 1,445 |
| Rods and bars (rolled, extruded, or drawn) and wire | 35.4 | 4,683 | 1.2 | 165 | 36.7 | 4,848 |
| Other descriptions | $\begin{array}{r}7.7 \\ \hline . .\end{array}$ | 1, ${ }_{440}$ | 1.1 | 248 8 | 8.8 .0 | 1,748 |
| Uncl assified | 1.7 | 227 | - | 1 | 1.7 | 228 |
| Zinc and alloys of zinc, unwrought, in ingots, blocks, slabs and cakes Copper | 3.7 | 306 | 0.5 | 51 | 4.2 | 356 |
| Unwrought, in ingots, blocks, slabs, bars, etc. | 1.7 | 206 | 0.3 | 34 | 2.0 | 240 |
| Plates, sheets, strip, d1scs and circles | . | (a) | .. | (a) | 0.7 | 141 |
| Tubes | 1.0 | 188 | - | 12 | 1.1 | 200 |
| Wire and rods | $\begin{aligned} & 0.3 \\ & . . \end{aligned}$ | $\begin{gathered} 5 z \\ 6 \end{gathered}$ | - | - | $0.3$ | 53 6 |
| Scrap | 5.2 | 562 | 0.5 | 54 | 5.6 | 516 |
| Other descriptions | .. | 80 | . | 2 | .. | 82 |
| Unclassified | . | (a) | . | (a) | 5.3 | 697 |
| Packing materials DS 8471/1 | .. | 338 | .. | 35 | .. | 373 |


| TABLE 24 (contd.) |
| :--- |

5/F/26
METAL GOODS NOT ELSEWHERE SPECIFIED COUNTRY TABLES
TABLE 24 (contd.)

|  | Engl and and Wales |  | Scoti and |  | Great Britain |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost | Quantity | Cost |
| Fuel and electricity (contd.) | Therms | §'000 |  | §'000 | Therrns | §'000 |
| Gas purchased (contd.) |  |  |  |  |  |  |
| From other sources |  | 1 | - | - |  |  |
| Gas obtained from other works under the same | $\int_{\substack{\mathrm{Th} . \mathrm{cu} . \mathrm{ft} . \\ 405}}$ | 1 |  |  | $\begin{gathered} \mathrm{Th} \text {. cu. ft. } \\ 4,405 \end{gathered}$ | 1 |
| wnership |  |  |  |  |  |  |
| All other purchased fuel | . | 14 | .. | 2 | .. | 16 |
| Total |  | 23,387 |  | 2,213 |  | 25,600 |

(a) Owing to the risk of disclosure of information relating to individual firms separate figures cannot (a) owing to the

BRASS MANUFACTURES COUNTRY TABLES
Employment and remuneration
Larger establishments
TABLE 25

(0) There were, in adidtion, 131 working proprictors ( 128 males, 3 females) in Oreat Britain; 110 males,
2 females in England and Wales, and 18 males, 1 female in Scotiand.
(c)
(c) The employers' share of contributions to all National Insurance Schemes payable during the year in
respect of these workers amounted to a total of $\& 394,000 ; \$ 238,000$ for England and Wales, and
$\& 35,000$ for Scotiand.

In addition to the employees in the above table the firms in this trade employed outworkers whose
numbers and remuneration are set out below.

| England and Wales | Average nunber of outworkers employed |  |  | Total amount paid to outworkers ई'000 6 |
| :---: | :---: | :---: | :---: | :---: |
|  | Males | Females | Total |  |
|  | 6 | 66 | 72 |  |
| Scotiand | - | - | - |  |
| Great Britain | 6 | 68 | 72 | 6 |



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[^0]:    (a) Amount charged in 1948 and amount received in 1937 and 1935.

