



BOARD OF TRADE

FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

Volume 4

Trade H

Printing and Bookbinding Machinery

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

LONDON : HER MAJESTY'S STATIONERY OFFICE

1952

PRICE 2s 6d NET

3.452

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

List of Tables

| Table No. | Title   | Page.  |
|-----------|---|--------|
| 1         | Summary: Larger establishments  | 4/H/2  |
| 2         | Summary, 1948: Small firms in Great Britain   | 4/H/3  |
| 3         | Estimated average employment, 1948: All firms in Great Britain  | 4/H/3  |
| 4         | Analysis by size, 1948: Larger establishments in Great Britain  | 4/H/3  |
| 5         | Analysis by standard region, 1948: Larger establishments in Great Britain   | 4/H/4  |
| 6         | Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain   | 4/H/4  |
| 7         | Total make of intermediate products: Larger establishments  | *      |
| 8         | Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades: Larger establishments | 4/H/5  |
| 9         | Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments  | 4/H/7  |
| 10        | Sales (or production) in the trade of other than principal products: Larger establishments  | 4/H/8  |
| 11        | Analysis of sales, 1948: Larger establishments in Great Britain   | 4/H/8  |
| 12        | Production, exports and imports of certain principal products: Larger establishments  | 4/H/9  |
| 13        | Purchased materials and fuel: Larger establishments   | 4/H/10 |
| 14        | Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain   | 4/H/13 |
| 15        | Employment and remuneration: Larger establishments  | 4/H/14 |
| 16        | Wages and salaries paid, 1948: Larger establishments in Great Britain   | 4/H/15 |
| 17        | Payments for work done on materials given out, 1948: Larger establishments in Great Britain   | 4/H/15 |
| 18        | Payments for certain services, 1948: Larger establishments in Great Britain   | 4/H/15 |
| 19        | Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain  | 4/H/16 |
| 20        | Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain  | 4/H/16 |

Country Tables

| Table No.   | Title  | Page   |
|-------------|--|--------|
| 21          | Summary: Larger establishments                                   | 4/H/17 |
| 22          | Summary: Small firms   | 4/H/18 |
| 23 or 23(1) | Sales in the trade: Larger establishments                        | 4/H/19 |
| 23(11)      | Sales in the trade: Small firms                                  | *      |
| 24 or 24(1) | Purchased materials and fuel: Larger establishments              | 4/H/21 |
| 24(11)      | Purchased materials and fuel: Small firms                        | *      |
| 25 or 25(1) | Employment and remuneration: Larger establishments               | 4/H/24 |
| 25(11)      | Employment: Small firms  | *      |
| 26          | Monthly index of employment of operatives: Larger establishments | 4/H/24 |

\* Not applicable to this trade

PRINTING AND BOOKBINDING MACHINERY TRADE

THIS REPORT on the Printing and Bookbinding Machinery Trade relates to establishments engaged wholly or mainly in the manufacture of typesetting machinery, printing presses, ruling machines, wire stitching machinery, and cardboard box, paper bag and envelope making machinery.

This trade corresponds to minimum list heading 69(8) in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948; no production was recorded there in this trade for 1946, 1937 or 1935.



ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS  
PRINTING AND BOOKBINDING MACHINERY TRADE

Summary  
Larger establishments

TABLE 1

|  | 1948             | 1946           | 1937           | 1935           |
|--|------------------|----------------|----------------|----------------|
| Gross output (production)                    | £'000<br>12,641  | £'000<br>7,556 | £'000<br>4,340 | £'000<br>3,502 |
| Cost of materials and fuel used              | 3,562            | 2,169          | 1,037          | 829            |
| Payment for work done on materials given out | 477              | 89             | 15             | 19             |
| Net output                                   | 8,602            | 5,298          | 3,288          | 2,654          |
| Wages and salaries of persons employed       | 5,089            | 3,420          | ..             | ..             |
| Average number of persons employed           | No.<br>15,007(a) | No.<br>11,466  | No.<br>11,092  | No.<br>10,150  |
| Net output per person employed               | £<br>573         | £<br>462       | £<br>296       | £<br>262       |
| Stocks at end of year                        | £'000            | £'000          | £'000          | £'000          |
| Finished products and work in progress       | 4,572            | 2,953          | ..             | ..             |
| Materials and fuel                           | 931              | 517            | ..             | ..             |
| Number of establishments                     | No.<br>104       | No.<br>..      | No.<br>..      | No.<br>77      |

(a) For an estimate of the total number of persons employed in this trade see Table 3.

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

|  | 1948     | 1946  | 1937     | 1935    |
|--|----------|-------|----------|---------|
| Output of firms in this trade                                      | £'000    | £'000 | £'000    | £'000   |
| Total value of sales (1948 and 1946) or production (1937 and 1935) |          |       |          |         |
| Principal products (see Table 8)                                   | 11,561   | 6,971 | 3,927    | 3,355   |
| Other output (see Table 10)  | 523      |       | 177      | 129     |
| Adjustment for changes in stocks and work in progress              | + 622(a) | + 585 | + 236(b) | + 18(b) |
|  | 12,706   | 7,556 | 4,340    | 3,502   |
| Less payment for transport by other firms                          | 65       |       |          |         |
| Gross output (production)  | 12,641   | 7,556 | 4,340    | 3,502   |
| Materials and fuel used by firms in this trade                     |          |       |          |         |
| Purchases (see Table 13)   | 3,728    | 2,357 | 1,037    | 829     |
| Adjustment for changes in stocks                                   | - 166(a) | - 188 |          |         |
| Materials and fuel used  | 3,562    | 2,169 | 1,037    | 829     |

(a) See Table 14.

(b) Work in progress only.

## Summary, 1948

## Small firms in Great Britain

TABLE 2

|  |     |
|--|-----|
| Number of returns                      | 41  |
| Average number of persons employed (a) |     |
| Males                                  | 246 |
| Females                                | 22  |
| Total                                  | 268 |

(a) Including working proprietors.

## Estimated average employment, 1948

## All firms in Great Britain

TABLE 3

|   |        |
|---|--------|
| As returned by firms  |        |
| Employing on average more than ten persons (a)                        | 15,007 |
| Employing on average ten persons or less (b)                          | 268    |
|   | 15,275 |
| Estimated average employment in firms not making satisfactory returns | 20     |
| Estimated average employment in all firms                             | 15,295 |

(a) See Tables 1 and 15.

(b) See Table 2.

## Analysis by size, 1948

## Larger establishments in Great Britain

TABLE 4

| Average number employed | Establishments | Gross output | Net output | Persons employed | Remuneration |          |       | Net output per person employed |
|-------------------------|----------------|--------------|------------|------------------|--------------|----------|-------|--------------------------------|
|                         |                |              |            |                  | Wages        | Salaries | Total |                                |
|                         | No.            | £'000        | £'000      | No.              | £'000        | £'000    | £'000 | £                              |
| 11-24                   | 16             | 288          | 188        | 297              | 75           | 23       | 98    | 633                            |
| 25-49                   | 31             | 1,063        | 678        | 1,118            | 296          | 99       | 395   | 606                            |
| 50-99                   | 22             | 1,460        | 894        | 1,535            | 376          | 149      | 525   | 582                            |
| 100-199                 | 18             | 2,249        | 1,572      | 2,729            | 709          | 240      | 948   | 576                            |
| 200-299                 | 6              | 1,173        | 858        | 1,412            | 349          | 132      | 480   | 608                            |
| 300-399                 | 5              | 1,604        | 996        | 1,777            | 484          | 164      | 648   | 560                            |
| 500-749                 | 3              | 1,535        | 935        | 1,808            | 453          | 181      | 634   | 517                            |
| 750 and over            | 3              | 3,270        | 2,483      | 4,331            | 962          | 398      | 1,360 | 573                            |
| Total                   | 104            | 12,641       | 8,602      | 15,007           | 3,704        | 1,386    | 5,089 | 573                            |

Analysis by standard region, 1948  
Larger establishments in Great Britain

TABLE 5

| Region                             | Establishments | Gross output | Net output |                     | Persons employed | Remuneration |          |       |
|------------------------------------|----------------|--------------|------------|---------------------|------------------|--------------|----------|-------|
|                                    |                |              | Value      | Percentage of total |                  | Wages        | Salaries | Total |
|                                    | No.            | £'000        | £'000      |                     | No.              | £'000        | £'000    | £'000 |
| England                            |                |              |            |                     |                  |              |          |       |
| East and West Ridings of Yorkshire | 13             | 2,269        | 1,386      | 16.1                | 2,781            | 653          | 232      | 885   |
| North Midland                      | 7              | 432          | 294        | 3.4                 | 483              | 108          | 51       | 159   |
| Eastern                            | 7              | 650          | 443        | 5.2                 | 795              | 219          | 56       | 275   |
| London and South Eastern           | 47             | 4,536        | 3,069      | 35.7                | 5,147            | 1,324        | 493      | 1,817 |
| Southern; and South Western        | 6              | 1,046        | 700        | 8.1                 | 1,009            | 248          | 115      | 362   |
| Midland                            | 4              | 224          | 134        | 1.6                 | 217              | 60           | 22       | 82    |
| North Western                      | 17             | 3,035        | 2,260      | 26.3                | 3,943            | 941          | 363      | 1,304 |
| Total England                      | 101            | 12,192       | 8,286      | 96.3                | 14,375           | 3,552        | 1,332    | 4,884 |
| Wales                              | -              | -            | -          | -                   | -                | -            | -        | -     |
| Scotland                           | 3              | 449          | 317        | 3.7                 | 632              | 152          | 54       | 205   |
| Great Britain                      | 104            | 12,641       | 8,602      | 100.0               | 15,007           | 3,704        | 1,386    | 5,089 |

TABLE 6 - Analysis according to specialisation within 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 principal products of the trade,  
including sales (or production) of these products by  
establishments classified to other trades

## Larger establishments

TABLE 8

| Kind of output  | 1948 Sales            |                        |          |       | 1937 Production |           | 1935 Production |           |       |
|---|-----------------------|------------------------|----------|-------|-----------------|-----------|-----------------|-----------|-------|
|   | (1) Complete machines | (11) Replacement parts | Quantity |       | Entries         | Quantity  | Value           | Quantity  | Value |
|   |                       |                        | No.      | Tons |  |  |  |  |  | £'000 | Tons | £'000 |
| Typesetting (including keyboard and type casting)       | (1)                   | ..                     | ..       | 716   | 5               |           |                 |           |       |
|   | (11)                  | ..                     | ..       | 207   | 9               |           |                 |           |       |
| Stereotyping and electrotyping                          | (1)                   | ..                     | 535      | 254   | 11              | (1) 783   | 360             | 603       | 302   |
|   | (11)                  | ..                     | ..       | 32 |  |  |  |  |  | .. | 29 |
| Photo-engraving   | (1)                   | ..                     | ..       | 28    | 6               | (11) ..   | 151             | ..        | 133   |
|   | (11)                  | ..                     | ..       | 42    |                 |           |                 |           |       |
| Printing  | (1)                   | ..                     | 82       | 42    | 7               | ..        | ..              | ..        | ..    |
|   | (11)                  | ..                     | ..       | 238   |                 |           |                 |           |       |
| Newspaper rotary  | (1)                   | 4                      | 920      | 307   | ..              | 4,112     | 567             | 3,599     | 456   |
|   | (11)                  | ..                     | 1,300    | 232 |  |  |  |  |  | .. | 68 | .. | 51 |
| Other reel-fed machines                                 | (1)                   | 233                    | 718      | 593   | 22              | ..        | (a)             | ..        | ..    |
|   | (11)                  | 11                     | ..       | 72    |                 |           |                 |           |       |
| Sheet-fed machines                                      | (1)                   | 19                     | 277      | 45    | 7               | 455       | 65              | ..        | ..    |
|   | (11)                  | 713                    | ..       | 117 |  |  |  |  |  | .. | 2 |
| Photogravure  | (1)                   | ..                     | ..       | 25    | 7               | ..        | ..              | ..        | ..    |
|   | (11)                  | ..                     | ..       | 162   |                 |           |                 |           |       |
| Letterpress   | (1)                   | 790                    | 1,576    | 648   | 21              | ..        | ..              | (1) 4,138 | 640   |
|   | (11)                  | 436                    | ..       | 201 |  |  |  |  |  | (11) .. | 68 |
| Litho and litho-offset                                  | (1)                   | ..                     | 100      | 36    | 21              | ..        | ..              | ..        | ..    |
|   | (11)                  | ..                     | ..       | 136   |                 |           |                 |           |       |
| Other sheet-fed machines                                | (1)                   | 432                    | 3,556    | 1,223 | 11              | (1) 4,006 | 715             | ..        | ..    |
|   | (11)                  | 405                    | ..       | 322 |  |  |  |  |  | .. | 56 |
| Other printing machinery                                | (1)                   | 954                    | 420      | 264   | 32              | (11) ..   | ..              | ..        | ..    |
|   | (11)                  | 289                    | ..       | 181   |                 |           |                 |           |       |
| Typesetting, etc., and printing machinery, unclassified | (1)                   | ..                     | ..       | 73    | 32              | ..        | ..              | ..        | ..    |
|   | (11)                  | ..                     | ..       | 60    |                 |           |                 |           |       |
|   | (1)                   | ..                     | ..       | 251   | 13              | ..        | ..              | ..        | ..    |
|   | (11)                  | ..                     | ..       | 247   |                 |           |                 |           |       |
|   | (1)                   | ..                     | ..       | 864   | 12              | ..        | 747             | ..        | 541   |
|   | (11)                  | ..                     | ..       | 438 |  |  |  |  |  | .. | 236 | .. | 172 |

TABLE 8 (contd.)

| Kind of output<br>(1) Complete machines<br>(11) Replacement parts                                 | 1948<br>Sales |                          |                        | 1937<br>Production       |          |          | 1935<br>Production |          |       |                |
|---|---------------|--------------------------|------------------------|--------------------------|----------|----------|--------------------|----------|-------|----------------|
|   | Quantity      |                          | Value<br>£'000         | Entries<br>No.           | Quantity |          | Value<br>£'000     | Quantity |       | Value<br>£'000 |
|   | No.           | Tons                     |                        |                          | No.      | Tons     |                    | No.      | Tons  |                |
| Bookbinding, including<br>blocking, embossing,<br>stitching, ruling and<br>cutting, folding, etc. | (1)           | 2,338<br>1,234<br>..     | 873<br>..<br>185       | 500<br>95<br>79          | 45       | 1,282    | 210                | 1,425    | 184   |                |
|   | (11)          | ..                       | ..                     | 142                      |          |          |                    |          |       | 34 | .. | 19 | .. | 16 |
| Paper-working, etc.<br>machines   |               |                          |                        |                          |          |          |                    |          |       |                |
| Bag and envelope<br>making  | (1)           | 290<br>..                | 548<br>22              | 519<br>7                 | 15       | 233      | 77                 | 222      | 58    |                |
|   | (11)          | ..                       | ..                     | 114                      |          |          |                    |          |       | 15 | .. | 15 | .. | 14 |
| Cardboard box and<br>carton making  | (1)           | 1,600<br>..              | 728<br>83              | 466<br>47                | 23       | 795      | 163                | 853      | 153   |                |
|   | (11)          | ..                       | ..                     | 128                      |          |          |                    |          |       | 24 | .. | 71 | .. | 66 |
| Guillotines   | (1)           | 491<br>..                | 1,192<br>58            | 306<br>12                | 16       | ..       | ..                 | ..       | ..    |                |
|   | (11)          | ..                       | ..                     | 44                       |          |          |                    |          |       | 19             |
| Coating machines  | (1)           | 40<br>465<br>..          | 92<br>..<br>85         | 55<br>20<br>49           | 11       | (1)1,926 | 447                | 1,839    | 444   |                |
|   | (11)          | ..                       | ..                     | 4                        |          |          |                    |          |       | 7 | (11) .. | 77 | .. | 71 |
| Other   | (1)           | 1,656<br>251<br>..<br>.. | 903<br>..<br>312<br>.. | 393<br>111<br>105<br>163 | 45       | ..       | ..                 | ..       | ..    |                |
|   | (11)          | ..                       | ..                     | 177                      |          |          |                    |          |       | 50             |
| Reconditioned printing,<br>etc. machinery (b)   | (1)           | 77<br>..<br>..           | 82<br>294<br>..        | 33<br>52<br>125          | 12       | -        | -                  | -        | -     |                |
|   | (11)          | ..                       | ..                     | 17                       |          |          |                    |          |       | ..             |
| Printers' accessories (e.g.,<br>wood and metal furniture) (b)                                     |               | ..                       | ..                     | 775                      | 24       | ..       | 180                | ..       | 136   |                |
| Waste products sold, other<br>than scrap metals   |               | ..                       | ..                     | 2                        | 8        | ..       | (a)                | ..       | (a)   |                |
| Repair and jobbing work,<br>including roller covering (c) (d)                                     |               |                          |                        | 446                      | 58       |          | 115                |          | 150   |                |
| Work done for the trade or on<br>commission (c)   |               |                          |                        | 157                      | 13       |          | 4                  |          | 18    |                |
| Total   |               |                          |                        | 14,231                   | ..       |          | 4,345              |          | 3,702 |                |
| Less sales (or production)<br>in other trades (see Table 9)                                       |               |                          |                        | 2,670                    | ..       |          | 418                |          | 347   |                |
| Total principal products of this<br>trade sold or made by establish-<br>ments in the trade        |               |                          |                        | 11,561                   | 98       |          | 3,927              |          | 3,355 |                |

(a) Not recorded separately.

(b) So far as recorded separately.

(c) Amount charged in 1948 and amount received in 1937 and 1935.

(d) Exclusive of the value of goods made and recorded as output.

Sales (or production) of principal products of the trade by establishments classified to other trades

TABLE 9  
Larger establishments

| Kind of output<br>(1) Complete machines<br>(11) Replacement parts   | 1948<br>Sales |              |                | 1937<br>Production |          |      | 1935<br>Production |          |      |                |
|---|---------------|--------------|----------------|--------------------|----------|------|--------------------|----------|------|----------------|
|   | Quantity      |              | Value<br>£'000 | Entries<br>No.     | Quantity |      | Value<br>£'000     | Quantity |      | Value<br>£'000 |
|   | No.           | Tons         |                |                    | No.      | Tons |                    | No.      | Tons |                |
| Printing  |               |              |                |                    |          |      |                    |          |      |                |
| Newspaper rotary  | (1)           | ..           | ..             | 11                 | ..       | 107  | 12                 | -        | -    |                |
|   | (11)          | ..           | ..             | 4                  | ..       | ..   | 4                  | ..       | 8    |                |
| Other reel-fed machines   | (1)           | 27<br>3      | 76<br>..       | 51<br>4            | 8        | ..   | ..                 | ..       | ..   |                |
|   | (11)          | ..           | ..             | 10                 |          |      |                    |          |      | 6              |
| Sheet-fed machines  |               |              |                |                    |          |      |                    |          |      |                |
| Letterpress   | (1)           | 176<br>286   | 385<br>..      | 162<br>51          | ..       | ..   | ..                 | ..       | ..   |                |
|   | (11)          | ..           | ..             | 32                 |          |      |                    |          |      | 9 | (1)343 | 47 | 88 | 11 |
| All other sheet-fed<br>machines   | (1)           | 390<br>76    | 2,700<br>..    | 759<br>51          | ..       | ..   | ..                 | ..       | ..   |                |
|   | (11)          | ..           | 210            | 54                 |          |      |                    |          |      | (11) .. | 7 | .. | .. | 12 |
| Typesetting, stereotyping and<br>electrotyping, and photo-<br>engraving machines, and<br>other printing machinery | (1)           | ..           | 208            | 120                | ..       | ..   | ..                 | ..       | ..   |                |
|   | (11)          | ..           | ..             | 1                  |          |      |                    |          |      | ..             |
| Typesetting, etc., and<br>printing machinery,<br>unclassified   | (1)           | ..           | ..             | 60                 | 5        | ..   | 10                 | ..       | 10   |                |
|   | (11)          | ..           | ..             | 26                 |          |      |                    |          |      | 8 | .. | 70 | .. | 20 |
| Bookbinding, including<br>blocking, embossing,<br>stitching, ruling and<br>cutting, folding, etc.                 | (1)           | 820<br>115   | 117<br>..      | 90<br>5            | 25       | 43   | 18                 | 90       | 18   |                |
|   | (11)          | ..           | 106            | 53                 |          |      |                    |          |      | 14 | .. | 1 | .. | 1 |
| Paper-working, etc. machines  |               |              |                |                    |          |      |                    |          |      |                |
| Bag and envelope making   | (1)           | ..           | 22             | 7                  | ..       | 22   | 6                  | 7        | 1    |                |
|   | (11)          | ..           | ..             | 8                  |          |      |                    |          |      | 6 | .. | 1 | .. | 3 |
| Guillotines (1) and (11)  |               |              |                | 20                 | ..       | ..   | ..                 | ..       | ..   |                |
| Coating machines  | (1)           | 33<br>..     | ..<br>30       | 1<br>10            | ..       | ..   | ..                 | ..       | ..   |                |
|   | (11)          | ..           | ..             | ..                 |          |      |                    |          |      | ..             |
| All other   | (1)           | 1,137<br>133 | 663<br>..      | 336<br>11          | ..       | ..   | ..                 | ..       | ..   |                |
|   | (11)          | ..           | 172            | 22                 |          |      |                    |          |      | (11) .. | 62 | .. | .. | 61 |
| Reconditioned printing,<br>etc., machinery (1) and (11)   |               |              |                | 26                 | ..       | -    | -                  | -        | -    |                |
| Printers' accessories (e.g., wood<br>and metal furniture)   |               |              |                | 167                | 13       | ..   | 81                 | ..       | 39   |                |
| Work done for the trade or on<br>commission   |               |              |                | 1(a)               | ..       | -    | -                  | -        | -    |                |
| Total   |               |              |                | 2,670              | ..       | 418  | ..                 | ..       | 347  |                |

(a) Amount charged.

Sales (or production) in the trade of other than principal products

Larger establishments

TABLE 10

|  | 1948 Sales | 1937 Production | 1935 Production |
|--|------------|-----------------|-----------------|
|  | Value      | Value           | Value           |
|  | £'000      | £'000           | £'000           |
| Machinery and parts (other than printing, bookbinding, etc., machines and parts) | 281        | 71              | 40              |
| Scrap metals sold  | 21         | 12              | 9               |
| Other goods  | 214        | 94              | 80              |
| Work done  | 7(a)       |                 |                 |
| Total  | 523        | 177             | 129             |

(a) Amount charged.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

|   | Sales    | Percentage of total sales |
|---|----------|---------------------------|
|   | £'000    |                           |
| Sales (or transfers) to other organisations under the same control  |          |                           |
| Productive works  | 245      | 2.1                       |
| Export sales organisations (including branches abroad)  | 678      | 5.9                       |
| Other wholesale or selling organisations  | 1,344    | 11.7                      |
| Retail shops, etc.  | -        | -                         |
| Total sales (or transfers) to other organisations under the same control  | 2,267    | 19.8                      |
| Sales to independent buyers   |          |                           |
| Exports invoiced directly overseas  | 2,321    | 20.2                      |
| Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad | 440      | 3.8                       |
| His Majesty's Government and Local Authorities (other than productive establishments)                             | 101      | 0.9                       |
| Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings      | 3,176    | 27.7                      |
| Wholesalers, merchants and other agents for resale  | 2,145(a) | 18.7                      |
| Retailers, including multiple shops, caterers and N.A.A.F.I., for resale  | 11       | 0.1                       |
| Other businesses (including farmers) and institutions of all kinds  | 1,010    | 8.8                       |
| Members of the public, including employees  | 4        | -                         |
| Total sales to independent buyers   | 9,209    | 80.2                      |
| Total   | 11,476   | 100.0                     |

(a) Of this total £2,064,000 was recorded as divided between £1,443,000 for export and £622,000 for other sales.

DS 7958/1

Production, exports and imports of certain principal products (a)

TABLE 12

| Complete machines and parts  | Production (b)(c)                  | Exports (d)    | Retained imports (e) |
|--|------------------------------------|----------------|----------------------|
|  | £'000                              | £'000          | £'000                |
| Typesetting  |                                    |                |                      |
| Complete   | 1948 716                           | 547            | 65                   |
| Parts  | 1948 207                           | 577            | 82                   |
| Stereotyping, electrotyping and photo-engraving  | { 1948 595<br>1937 ..              | 334<br>72      | 58<br>22             |
| Printing   |                                    |                |                      |
| Newspaper rotary, complete (f)   | { 1948 829<br>1937 567             | 564<br>402     | 1<br>32              |
| Other, including parts (f)   | { 1948 5,440<br>1937 906           | 3,641<br>448   | 460<br>586           |
| Total of the above   | { 1948 9,089 (g)<br>1937 2,967 (g) | 5,663<br>1,135 | 666<br>732           |
| Bookbinding, including blocking, embossing, stitching, ruling and cutting, folding, etc. | { 1948 816<br>1937 229             | 441<br>40      | 367<br>137           |
| Paper-working, etc, machines   |                                    |                |                      |
| Bag and envelope making  | { 1948 640<br>1937 92              | 278<br>18      | 118<br>43            |
| Cardboard box and carton making  | { 1948 641<br>1937 234             | 198<br>45      | 68<br>53             |
| Other descriptions   | { 1948 1,439<br>1937 524           | 84<br>51       | 265<br>33            |
| Total printing, bookbinding, paper-working, etc. machines and parts                      | { 1948 12,852 (h)<br>1937 4,046    | 6,665<br>1,289 | 1,484<br>1,003       |

(a) Figures of sales (or production) refer only to larger establishments in the relevant years. All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Sales in 1948 and production for sale in 1937.

(c) Including sales (or production) by establishments classified to other trades.

(d) Valued f.o.b.

(e) Valued c.i.f.

(f) For 1937, the overseas trade figures for parts of newspaper rotary machines are included with the complete machines.

(g) Including unclassified output.

(h) Including unclassified reconditioned machinery. Particulars of any output of reconditioned machinery in 1937 were not recorded separately.

DS 7958/1

## Purchased materials and fuel

## Larger establishments

TABLE 13

|  | 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  |                              |       |                                       |        |           |        |
| Iron and steel   |                              |       |                                       |        |           |        |
| Pig iron   | 2.5                          | 28    | 3.4                                   | 17     | 2.8       | 12     |
| Bars and rods  |                              |       | ..                                    | 4      |           |        |
| Alloy steel  | 0.6                          | 42    | 6.1                                   | 99     | 4.1       | 62     |
| Iron and non-alloy steel   | 4.1                          | 151   |                                       |        |           |        |
| Angles, shapes and sections                                      | 0.4                          | 15(a) | 0.4                                   | 8      | 0.3       | 4      |
| Bars and rods, and angles, shapes and sections, unclassified     | 1.0                          | 36(a) | -                                     | -      | -         | -      |
| Iron castings, in the rough                                      | 10.4                         | 672   | 8.2                                   | 185(b) | 10.1      | 216(b) |
| Forgings, in the rough   | 1.0                          | 76(a) | 1.0                                   | 32(b)  | 0.9       | 22(b)  |
| Tubes and fittings   | 0.4                          | 23(a) | 0.2                                   | 8(c)   | 0.3       | 10(c)  |
|  | ..                           | 26    | ..                                    | 13     |           |        |
| Other descriptions, except finished parts                        |                              |       |                                       |        |           |        |
| Alloy steel  | 0.2                          | 13    | 3.7                                   | 44     | 0.8       | 21(d)  |
| Iron and non-alloy steel   | 1.7                          | 46    |                                       |        |           |        |
| Machined castings  | 0.3                          | 21    | ..                                    | (e)    | ..        | (e)    |
| Transmission chains  | ..                           | 19    |                                       |        |           |        |
| Brass (including all alloys of copper, other than nickel alloys) | Th. cwts.                    |       | Th. cwts.                             |        | Th. cwts. |        |
| Rods and sections  | 2.8                          | 29    | 2.8                                   | 12     | 9.5       | 37(f)  |
| Plates, sheets and strip   | 4.7                          | 45    | 3.8                                   | 15     |           |        |
| Castings   | 5.2                          | 58    | 3.4                                   | 19     |           |        |
| Other descriptions, except finished parts                        | 0.9                          | 7     | 0.9                                   | 6      |           |        |
|  | ..                           | 2     |                                       |        |           |        |
| Unclassified   | 1.6                          | 24    | -                                     | -      |           |        |

TABLE 13 (contd.)

|   | 1948                         |       | 1937                                  |       | 1935                    |        |
|---|------------------------------|-------|---------------------------------------|-------|-------------------------|--------|
|   | Materials and fuel purchased |       | Usage of purchased materials and fuel |       |                         |        |
|   | Quantity                     | Cost  | Quantity                              | Cost  | Quantity                | Cost   |
|   | Th. cwts.                    | £'000 | Th. cwts.                             | £'000 | Th. cwts.               | £'000  |
| Materials (contd.)  |                              |       |                                       |       |                         |        |
| Aluminium and aluminium alloys in all forms, except finished parts                            | 5.3                          | 72    | 1.8                                   | 14    | 0.7                     | 6(g)   |
| Timber (excluding timber used for making into cases, etc., or for repairing returnable cases) | ..                           | 51    | ..                                    | 29(h) | ..                      | (e)    |
| Packing materials   | ..                           | 108   |                                       |       |                         |        |
| Consumable tools, bought as replacement   | ..                           | 125   | ..                                    | 38    | ..                      | (e)    |
| Ball and roller bearings  | 2.9                          | 36    | ..                                    | ..    | ..                      | ..     |
|   | ..                           | 39    |                                       |       |                         |        |
| Nuts, bolts, washers, etc. (1)  | ..                           | 46    |                                       |       |                         |        |
| Purchased components, not elsewhere specified   | ..                           | 1,293 |                                       |       |                         |        |
| Replacement parts for firms' machinery, other than machined castings                          | ..                           | 32    | ..                                    | 423   | ..                      | 392(j) |
| Second-hand machinery purchased for reconditioning (1)  | ..                           | 62    |                                       |       |                         |        |
| All other purchased materials   | ..                           | 342   |                                       |       |                         |        |
|   | Th. tons                     |       | Th. tons                              |       | Th. tons                |        |
| Fuel and electricity  |                              |       |                                       |       |                         |        |
| Coal  | 12.7                         | 36    | 11.0                                  | 13    | 9.0                     | 9      |
| Coke  | 7.7                          | 32    | 6.4                                   | 11    | 6.0                     | 8      |
|   | Th. B. T. U. (kW. hrs.)      |       | Th. B. T. U. (kW. hrs.)               |       | Th. B. T. U. (kW. hrs.) |        |
| Electricity purchased (k)   |                              |       | 9,098                                 | 35    | 7,195                   | 30     |
| Electricity obtained from other works under the same ownership                                | 13,388                       | 76    | -                                     | -     | -                       | -      |

TABLE 13 (contd.)

|  | 1948                         |         | 1937                                  |       | 1935     |       |
|--|------------------------------|---------|---------------------------------------|-------|----------|-------|
|  | Materials and fuel purchased |         | Usage of purchased materials and fuel |       |          |       |
|  | Quantity                     | Cost    | Quantity                              | Cost  | Quantity | Cost  |
|  | Th. galls.                   | £'000   |                                       | £'000 |          | £'000 |
| Fuel and electricity (contd.)                          |                              |         |                                       |       |          |       |
| Motor spirit (petrol) and derv. fuel                   |                              |         |                                       |       |          |       |
| Used for road vehicles                                 | 76                           | 8       |                                       |       |          |       |
| Used for other power purposes                          | 12                           | 1       |                                       |       |          |       |
| Other oil fuel (including creosote/pitch mixtures)     | 316<br>..                    | 12<br>3 |                                       |       |          |       |
| Gas purchased  | Th. therms                   |         | ..                                    | 12    | ..       | (e)   |
| From public supply                                     | 361<br>..                    | 18<br>3 |                                       |       |          |       |
| From other sources                                     | -                            | -       |                                       |       |          |       |
| Gas obtained from other works under the same ownership | -                            | -       |                                       |       |          |       |
| All other purchased fuel                               | ..                           | 1       |                                       |       |          |       |
| Total  |                              | 3,728   |                                       | 1,037 |          | 829   |

- (a) Excluding alloy steel.  
 (b) Not described as "in the rough".  
 (c) Described as "Wrought tubes".  
 (d) Iron and steel plates, sheets and strip, and steel castings.  
 (e) Not recorded separately.  
 (f) Non-ferrous alloys in all forms.  
 (g) Described as "Aluminium in all forms".  
 (h) Described as "Timber, including hardwoods and packing cases".  
 (i) So far as recorded separately.  
 (j) Including fuel not specified separately.  
 (k) The total quantity of electricity consumed in 1948 was 16,811,000 B.T. units including 3,423,000 generated in the same works.

## Stocks of finished products and work in progress and stocks of materials and fuel, 1948

## Larger establishments in Great Britain

TABLE 14

|  | At beginning of year |           | At end of year |           |
|--|----------------------|-----------|----------------|-----------|
|  | Quantity             | Value     | Quantity       | Value     |
|  |                      | £'000     |                | £'000     |
| Finished products  | ..                   | 1,382     | ..             | 1,602     |
| Work in progress   |                      | 2,284     |                | 2,659     |
| Unclassified   |                      | 284       |                | 311       |
| Total finished products and work in progress                           |                      | 3,950     |                | 4,572     |
| Materials and fuel   | Th. tons.            |           | Th. tons       |           |
| Alloy steel in all forms, except finished parts and scrap              | 0.3<br>..            | 20<br>4   | 0.3<br>..      | 26<br>4   |
| Iron and non-alloy steel in all forms, except finished parts and scrap | 4.4<br>..            | 185<br>70 | 4.7<br>..      | 206<br>88 |
| Other descriptions of materials and fuel                               | ..                   | 410       | ..             | 511       |
| Unclassified   | ..                   | 74        | ..             | 97        |
| Total materials and fuel   |                      | 765       |                | 931       |



## Employment and remuneration (a)

## Larger establishments

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           | 727                          | 1,126 | 878   | 95   | 158   | 115   | 822                 | 1,284  | 993    |
| All ages           | 11,030                       | 8,693 | 7,971 | 2,193  | 1,524 | 1,395 | 13,223              | 10,217 | 9,366  |
| Females            |                              |       |       |  |       |       |                     |        |        |
| Under 18           | 88                           | 149   | 100   | 135  | 96    | 54    | 223                 | 245    | 154    |
| All ages           | 784                          | 388   | 340   | 991  | 487   | 444   | 1,775               | 875    | 784    |
| Total              |                              |       |       |  |       |       |                     |        |        |
| Under 18           | 815                          | 1,275 | 978   | 230  | 254   | 169   | 1,045               | 1,529  | 1,147  |
| All ages           | 11,814                       | 9,081 | 8,311 | 3,184<br>(c)   | 2,011 | 1,839 | 14,998<br>(c)(d)(e) | 11,092 | 10,150 |
| Total remuneration | £'000<br>3,704               | ..    | ..    | £'000<br>1,386                                       | ..    | ..    | £'000<br>5,089      | ..     | ..     |

(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 organisation for which separate accounts are kept):-

|                 |          |             |
|-----------------|----------|-------------|
| Canteen workers | 6 males  | 160 females |
| Other workers   | 57 males | 41 females  |

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) There were, in addition, 9 working proprietors (8 males and 1 female) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £122,000.

(e) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

|  | Operatives | Administrative, technical and clerical employees |
|--|------------|--|
| Transport of goods outside the premises                                      | 23         |  |
| Maintenance and repair of firms' buildings, but not plant                    | 40         |  |
| Research work not directly connected with current production however charged | 32         | 29   |

## Wages and salaries paid, 1948 (a)

## Larger establishments in Great Britain

TABLE 16

|  | Amount paid by all establishments | Establishments making returns for the calendar year |   |                |               |                |       |
|--|-----------------------------------|---|---|----------------|---------------|----------------|-------|
|  |                                   | Amount paid   | Percentage of annual remuneration paid in |                |               |                |       |
|  |                                   |   | First quarter                             | Second quarter | Third quarter | Fourth quarter | Year  |
| Wages and salaries of Operatives                 | £'000<br>3,704                    | £'000<br>1,868                                      | 23.3                                      | 25.2           | 24.0          | 27.4           | 100.0 |
| Administrative, technical and clerical employees | 1,386                             | 695   | 25.2                                      | 23.8           | 23.2          | 27.7           | 100.0 |
| Total  | 5,089                             | 2,563   | 23.9                                      | 24.9           | 23.8          | 27.5           | 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 paid for work done on materials given out was £477,000.

## Payments for certain services, 1948

## Larger establishments in Great Britain

TABLE 18

|  | Amount paid |
|--|-------------|
|  | £'000       |
| Repair and maintenance   |             |
| Of buildings   | 41          |
| Of plant, machinery and vehicles   | 102         |
| Unclassified   | 32          |
| Hire of plant, machinery and vehicles  | 6           |
| Advertising and market research  |             |
| Advertising in newspapers, magazines and periodicals   | 21          |
| Other advertising services (poster display, despatch of circulars, etc.) and market research | 6           |
| Unclassified   | 26          |
| Payments made for research work  |             |
| To research associations   | 1           |
| To universities, institutions, academic bodies and similar agencies                          | -           |
| To other commercial concerns   | 1           |
| Postage, telephone, telegrams and cables   | 43          |
| Commercial insurance premiums  | 55          |
| Rates (excluding water rates) payable in the year  | 23          |

## Plant, machinery and vehicles acquired and disposed of, 1948

## Larger establishments in Great Britain

TABLE 19

|                     | Acquisitions |             | Disposals |
|---------------------|--------------|-------------|-----------|
|                     | New          | Second-hand |           |
|                     | £'000        | £'000       | £'000     |
| Plant and machinery | 303          | 71          | 26        |
| Vehicles            | 20           | 8           | 3         |
| Total               | 323          | 79          | 29        |

## Capital expenditure on building work and changes in occupation of buildings and land, 1948

## Larger establishments in Great Britain

TABLE 20

|   | £'000 | £'000 |
|---|-------|-------|
| 1. Capital expenditure on building work (a)                   |       | 132   |
| 2. Existing buildings and land (b)                            |       |       |
| (1) Capital costs of freeholds bought                         | 17    |       |
| Estimated capital value of                                    |       |       |
| (11) Rented property newly occupied in the year (c)           | 28    |       |
| (111) Leasehold buildings and land newly occupied in the year | 80    |       |
| Total of heading 2  |       | 125   |
| Total of headings 1 and 2                                     |       | 257   |
| 3. Existing buildings and land relinquished (d)               |       |       |
| (1) Selling value of freeholds sold                           | -     |       |
| (11) Estimated value of other properties relinquished         | 27    |       |
| Total of heading 3  |       | 27    |
| 4. Headings 1 and 2 less heading 3                            |       | 230   |

- (a) Excluding site value which, where appropriate, is included in heading 2(1).  
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.  
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.  
 (d) Including property destroyed or abandoned.

1948

Note - There were no establishments in Wales in the register for this trade.

## Summary

## Larger establishments

TABLE 21

|  | England    | Scotland | Great Britain |
|--|------------|----------|---------------|
|  | £'000      | £'000    | £'000         |
| Gross output (production)                    | 12,192     | 449      | 12,641        |
| Cost of materials and fuel used              | 3,441      | 120      | 3,562         |
| Payment for work done on materials given out | 465        | 13       | 477           |
| Net output                                   | 8,286      | 317      | 8,602         |
| Wages and salaries of persons employed       | 4,884      | 205      | 5,089         |
| Average number of persons employed           | No. 14,375 | No. 632  | No. 15,007    |
| Net output per person employed               | £ 576      | £ 501    | £ 573         |
| Stocks at end of year                        | £'000      | £'000    | £'000         |
| Finished products and work in progress       | 4,462      | 110      | 4,572         |
| Materials and fuel                           | 914        | 17       | 931           |
| Number of establishments                     | No. 101    | No. 3    | No. 104       |

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

|   | England | Scotland | Great Britain |
|---|---------|----------|---------------|
|   | £'000   | £'000    | £'000         |
| Output of firms in this trade                         |         |          |               |
| Total value of sales (see Table 23)                   | 11,638  | 446      | 12,084        |
| Adjustment for changes in stocks and work in progress | + 618   | + 4      | + 622         |
| Gross output (production)                             | 12,255  | 451      | 12,706        |
| Less payment for transport by other firms             | 63      | 1        | 65            |
| Gross output (production)                             | 12,192  | 449      | 12,641        |
| Materials and fuel used by firms in this trade        |         |          |               |
| Purchases (see Table 24)                              | 3,598   | 130      | 3,728         |
| Adjustment for changes in stocks                      | - 156   | - 10     | - 166         |
| Materials and fuel used                               | 3,441   | 120      | 3,562         |

Summary  
Small firms

TABLE 22

|  | England | Scotland | Great Britain |
|--|---------|----------|---------------|
| Number of returns                      | 36      | 5        | 41            |
| Average number of persons employed (a) |         |          |               |
| Males                                  | 217     | 29       | 246           |
| Females                                | 18      | 4        | 22            |
| Total                                  | 235     | 33       | 268           |

(a) Including working proprietors.

## Sales in the trade

## Larger establishments

TABLE 23

| Kind of output<br>(1) Complete machines<br>(11) Replacement parts                           | England  |       | Scotland |       | Great Britain |       |       |       |
|---|----------|-------|----------|-------|---------------|-------|-------|-------|
|   | Quantity | Value | Quantity | Value | Quantity      | Value | Value |       |
| Principal products  | No.      | Tons  | £'000    |       | £'000         | No.   | Tons  | £'000 |
| Typesetting (including key-board and type casting) (1)                                      | ..       | ..    | 716      | -     | -             | ..    | ..    | 716   |
| Stereotyping and electrotyping  | (1)      | ..    | 535      | 254   | -             | ..    | 535   | 254   |
|   | (11)     | ..    | ..       | 32    | -             | ..    | ..    | 32    |
| Printing  |          |       |          |       |               |       |       |       |
|   |          |       |          |       |               |       |       |       |
| Newspaper rotary (1) and (11)   | ..       | ..    | (a)      | ..    | (a)           | ..    | 2,220 | 597   |
| Other reel-fed machines   | (1)      | ..    | (a)      | ..    | (a)           | 206   | 642   | 542   |
|   | (11)     | ..    | ..       | 95    | -             | ..    | ..    | 87    |
| Sheet-fed machines  | (1)      | 614   | 1,191    | 486   | -             | 614   | 1,191 | 486   |
|   | (11)     | 150   | ..       | 150   | -             | 150   | ..    | 150   |
| Letterpress   | (1)      | ..    | 100      | 36    | -             | ..    | 100   | 36    |
|   | (11)     | ..    | ..       | 105   | -             | ..    | ..    | 105   |
| All other sheet-fed machines  | (1)      | ..    | ..       | (a)   | ..            | (a)   | 1,015 | 1,553 |
|   | (11)     | ..    | ..       | (a)   | ..            | (a)   | 1,331 | ..    |
| Typesetting (replacement parts), and photo-engraving machines, and other printing machinery | (1)      | ..    | 329      | 173   | -             | ..    | 329   | 173   |
|   | (11)     | ..    | ..       | 236   | -             | ..    | ..    | 236   |
| Typesetting, etc., and printing machinery, unclassified                                     | (1)      | ..    | ..       | 803   | -             | ..    | ..    | 803   |
|   | (11)     | ..    | ..       | 412   | -             | ..    | ..    | 412   |
| Bookbinding, including blocking, embossing, stitching, ruling and cutting, folding, etc.    | (1)      | ..    | ..       | (a)   | ..            | (a)   | 1,518 | 756   |
|   | (11)     | ..    | ..       | (a)   | ..            | (a)   | 1,119 | ..    |
| Paper-working, etc. machines  |          |       |          |       |               |       |       |       |
|   |          |       |          |       |               |       |       |       |
| Bag and envelope making   | (1)      | ..    | ..       | (a)   | ..            | (a)   | 290   | 548   |
|   | (11)     | ..    | ..       | (a)   | ..            | (a)   | ..    | 106   |
| Guillotines (1) and (11)  | ..       | ..    | (a)      | ..    | (a)           | ..    | ..    | 342   |
| Coating machines  | (1)      | 40    | 92       | 55    | -             | 40    | 92    | 55    |
|   | (11)     | 432   | ..       | 19    | -             | 432   | ..    | 19    |
| All other   | (1)      | ..    | ..       | 4     | -             | ..    | ..    | 4     |
|   | (11)     | ..    | ..       | 181   | -             | ..    | ..    | 181   |

TABLE 23 (contd.)

| Kind of output<br>(i) Complete machines<br>(ii) Replacement parts                          | England  |                | Scotland |                | Great Britain |                |
|--|----------|----------------|----------|----------------|---------------|----------------|
|  | Quantity | Value<br>£'000 | Quantity | Value<br>£'000 | Quantity      | Value<br>£'000 |
| Principal products (contd.)  |          |                |          |                |               |                |
| Reconditioned printing, etc.<br>machinery (b) (i) and (ii)                                 |          |                |          |                | ..            | 201            |
| Printers' accessories (e.g.,<br>wood and metal furniture) (b)                              | ..       | (a)            | ..       | (a)            | ..            | 608            |
| Waste products sold, other<br>than scrap metals  |          |                |          |                | ..            | 2              |
| Repair and jobbing work,<br>including roller<br>covering (c) (d)                           |          | 411            |          | 35             |               | 446            |
| Work done for the trade or on<br>commission (c)  |          | (a)            |          | (a)            |               | 155            |
| Total principal products   |          | 11,124         |          | 437            |               | 11,561         |
| Other output   |          |                |          |                |               |                |
| Machinery and parts (other<br>than printing, bookbind-<br>ing, etc. machines and<br>parts) | ..       | 275            | ..       | 6              | ..            | 281            |
| Scrap metals sold  | ..       | 231            | ..       | 4              | ..            | 214            |
| Other goods  |          |                |          |                | ..            | 214            |
| Work done (c)  |          | 7              |          | -              |               | 7              |
| Total  |          | 11,638         |          | 446            |               | 12,084         |

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.

(b) So far as recorded separately.

(c) Amount charged.

(d) Exclusive of the value of goods made and recorded as output.

## Purchased materials and fuel

## Larger establishments

TABLE 24

|   | England              |               | Scotland             |               | Great Britain        |               |
|---|----------------------|---------------|----------------------|---------------|----------------------|---------------|
|   | Quantity<br>Th. tons | Cost<br>£'000 | Quantity<br>Th. tons | Cost<br>£'000 | Quantity<br>Th. tons | Cost<br>£'000 |
| Materials   |                      |               |                      |               |                      |               |
| Iron and steel  |                      |               |                      |               |                      |               |
| Pig iron  | 2.5                  | 26            | -                    | -             | 2.5                  | 26            |
| Bars and rods   |                      |               |                      |               |                      |               |
| Alloy steel   | 0.6                  | 42            | -                    | -             | 0.6                  | 42            |
| Iron and non-alloy<br>steel   | 4.0                  | 148           | 0.1                  | 3             | 4.1                  | 151           |
| Angles, shapes and<br>sections other than<br>of alloy steel   | 0.4                  | 15            | -                    | -             | 0.4                  | 15            |
| Bars and rods, and<br>angles, shapes and<br>sections, other than<br>of alloy steel,<br>unclassified | 1.0                  | 36            | -                    | -             | 1.0                  | 36            |
| Iron castings, in the<br>rough  | 9.9                  | 635           | 0.5                  | 37            | 10.4                 | 672           |
| Forgings, other than<br>of alloy steel, in the<br>rough   | 1.0                  | 75            | -                    | 1             | 1.0                  | 76            |
| Tubes and fittings,<br>other than of alloy<br>steel   | 0.4<br>..            | 23<br>26      | -                    | -             | 0.4<br>..            | 23<br>26      |
| Other descriptions,<br>except finished<br>parts   |                      |               |                      |               |                      |               |
| Alloy steel   | 0.2                  | 13            | -                    | -             | 0.2                  | 13            |
| Iron and non-alloy<br>steel   | 1.7                  | 43            | -                    | 3             | 1.7                  | 46            |
| Machined castings   | 0.3                  | 20            | -                    | 1             | 0.3                  | 21            |
| Transmission chains   | ..<br>Th. cwts.      | 19            | -<br>Th. cwts.       | -             | ..<br>Th. cwts.      | 19            |
| Brass (including all<br>alloys of copper,<br>other than nickel<br>alloys)                           |                      |               |                      |               |                      |               |
| Rods and sections   | 2.8                  | 29            | -                    | -             | 2.8                  | 29            |
| Plates, sheets and strip  | 4.7                  | 45            | -                    | -             | 4.7                  | 45            |
| Castings  | 5.0                  | 56            | 0.2                  | 2             | 5.2                  | 58            |

TABLE 24 (contd.)

|   | England                 |       | Scotland                |       | Great Britain           |       |
|---|-------------------------|-------|-------------------------|-------|-------------------------|-------|
|   | Quantity                | Cost  | Quantity                | Cost  | Quantity                | Cost  |
|   | Th. cwts.               | £'000 | Th. cwts.               | £'000 | Th. cwts.               | £'000 |
| Materials (contd.)  |                         |       |                         |       |                         |       |
| Brass (including all alloys of copper, other than nickel alloys) (contd.)                     |                         |       |                         |       |                         |       |
| Other descriptions, except finished parts   | 0.9                     | 7     | -                       | -     | 0.9                     | 7     |
|   | ..                      | 2     |                         |       | ..                      | 2     |
| Unclassified  | 1.6                     | 24    | -                       | -     | 1.6                     | 24    |
| Aluminium and aluminium alloys in all forms, except finished parts                            | 5.3                     | 72    | -                       | -     | 5.3                     | 72    |
| Timber (excluding timber used for making into cases, etc., or for repairing returnable cases) | ..                      | 50    | ..                      | 1     | ..                      | 51    |
| Packing materials   | ..                      | 106   | ..                      | 2     | ..                      | 108   |
| Consumable tools, bought as replacement   | ..                      | 121   | ..                      | 4     | ..                      | 125   |
| Ball and roller bearings  | 2.9                     | 36    | -                       | -     | 2.9                     | 36    |
|   | ..                      | 39    |                         |       | ..                      | 39    |
| Nuts, bolts, washers, etc. (a)  | ..                      | 46    | -                       | -     | ..                      | 46    |
| Purchased components not elsewhere specified  | ..                      | 1,246 | ..                      | 47    | ..                      | 1,293 |
| Replacement parts for firms' machinery, other than machined castings                          | ..                      | 32    | -                       | -     | ..                      | 32    |
| Second-hand machinery purchased for reconditioning (a)  | ..                      | 62    | -                       | -     | ..                      | 62    |
| All other purchased materials   | ..                      | 325   | ..                      | 17    | ..                      | 342   |
| Fuel and electricity  | Th. tons                |       | Th. tons                |       | Th. tons                |       |
| Coal  | 11.7                    | 34    | 1.0                     | 3     | 12.7                    | 36    |
| Coke  | 7.2                     | 30    | 0.5                     | 2     | 7.7                     | 32    |
| Electricity purchased (b)   | Th. B. T. U. (kW. hrs.) |       | Th. B. T. U. (kW. hrs.) |       | Th. B. T. U. (kW. hrs.) |       |
| Electricity obtained from other works under the same ownership                                | 12,225                  | 72    | 1,162                   | 5     | 13,389                  | 76    |

TABLE 24 (contd.)

|  | England    |       | Scotland   |       | Great Britain |       |
|--|------------|-------|------------|-------|---------------|-------|
|  | Quantity   | Cost  | Quantity   | Cost  | Quantity      | Cost  |
|  | Th. galls. | £'000 | Th. galls. | £'000 | Th. galls.    | £'000 |
| Fuel and electricity (contd.)                          |            |       |            |       |               |       |
| Motor spirit (petrol) and derv. fuel                   |            |       |            |       |               |       |
| Used for road vehicles                                 | 75         | 8     | 1          | -     | 76            | 8     |
| Used for other power purposes                          | 12         | 1     | -          | -     | 12            | 1     |
| Other oil fuel (including creosote/pitch mixtures)     | 316        | 12    | -          | -     | 316           | 12    |
|  | ..         | 3     |            |       | ..            | 3     |
| Gas purchased  | Th. therms |       | Th. therms |       | Th. therms    |       |
| From public supply                                     | 351        | 18    | 10         | -     | 361           | 18    |
|  | ..         | 3     |            |       | ..            | 3     |
| From other sources                                     | -          | -     | -          | -     | -             | -     |
| Gas obtained from other works under the same ownership | -          | -     | -          | -     | -             | -     |
| All other purchased fuel                               | ..         | 1     | -          | -     | ..            | 1     |
| Total  |            | 3,598 |            | 130   |               | 3,728 |

(a) So far as recorded separately.

(b) The total quantity of electricity consumed in England was 15,648,000 B. T. units including 3,423,000 generated in the same works. The total quantity of electricity consumed in Scotland was 1,162,000 B. T. units, no electricity being generated in the same works.

4/H/24

## ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS COUNTRY TABLES

## Employment and remuneration

## Larger establishments

TABLE 25

|                    | England                      |  |                | Scotland                     |  |             | Great Britain                |  |                |
|--------------------|------------------------------|--|----------------|------------------------------|--|-------------|------------------------------|--|----------------|
|                    | Average number of operatives | Administrative, technical and clerical employees (a) | Total          | Average number of operatives | Administrative, technical and clerical employees (a) | Total       | Average number of operatives | Administrative, technical and clerical employees (a) | Total          |
| Males              |                              |  |                |                              |  |             |                              |  |                |
| Under 18           | 684                          | 92   | 776            | 43                           | 3  | 46          | 727                          | 95   | 822            |
| All ages           | 10,512                       | 2,107  | 12,619         | 518                          | 86   | 604         | 11,030                       | 2,193  | 13,223         |
| Females            |                              |  |                |                              |  |             |                              |  |                |
| Under 18           | 87                           | 133  | 220            | 1                            | 2  | 3           | 88                           | 135  | 223            |
| All ages           | 776                          | 972  | 1,748          | 8                            | 19   | 27          | 784                          | 991  | 1,775          |
| Total              |                              |  |                |                              |  |             |                              |  |                |
| Under 18           | 771                          | 225  | 996            | 44                           | 5  | 49          | 815                          | 230  | 1,045          |
| All ages           | 11,288                       | 3,079 (b)  | 14,367 (b) (c) | 526                          | 105 (b)  | 631 (b) (c) | 11,814                       | 3,184 (b)  | 14,998 (b) (c) |
| Total remuneration | £'000                        | £'000  | £'000          | £'000                        | £'000  | £'000       | £'000                        | £'000  | £'000          |
|                    | 3,552                        | 1,332  | 4,884          | 152                          | 54   | 205         | 3,704                        | 1,386  | 5,089          |

(a) Number at September 25, 1948.

(b) There were, in addition, 9 working proprietors (8 males and 1 female) in Great Britain; 7 males and 1 female in England and 1 male in Scotland.

(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 £122,000; £117,000 for England and £5,000 for Scotland.

Monthly index of employment of operatives: Larger establishments  
(average employment in 1948 = 100)

TABLE 26

| Month    | Monthly index (a) |          |               | Month  | Monthly index (a) |          |               |
|----------|-------------------|----------|---------------|--|-------------------|----------|---------------|
|          | England           | Scotland | Great Britain |  | England           | Scotland | Great Britain |
| 1948     |                   |          |               | 1948   |                   |          |               |
| January  | 95.7              | 95.8     | 95.7          | August   | 101.1             | 102.4    | 101.2         |
| February | 97.0              | 97.9     | 97.1          | September  | 101.8             | 101.9    | 101.8         |
| March    | 97.8              | 98.8     | 97.9          | October  | 102.4             | 102.4    | 102.4         |
| April    | 99.2              | 98.8     | 99.2          | November   | 102.4             | 102.6    | 102.4         |
| May      | 99.5              | 96.0     | 99.2          | December   | 103.2             | 103.2    | 103.2         |
| June     | 99.9              | 100.0    | 99.9          | Percentage employment in this trade covered by the index |                   |          |               |
| July     | 100.0             | 100.2    | 100.0         |  | 48.8              | 100.0    | 51.1          |

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948. The question of man-hours worked in this trade will be dealt with in a later summary volume.

*CROWN COPYRIGHT RESERVED*

PRINTED AND PUBLISHED BY HER MAJESTY'S STATIONERY OFFICE

To be purchased from

York House, Kingsway, LONDON, W.C.2    429 Oxford Street, LONDON, W.1

P.O. Box 569, LONDON, S.E.1

13a Castle Street, EDINBURGH, 2    1 St. Andrew's Crescent, CARDIFF

39 King Street, MANCHESTER, 2    Tower Lane, BRISTOL, 1

2 Edmund Street, BIRMINGHAM, 3    80 Chichester Street, BELFAST

or from any Bookseller

1952

Price 2s 6d net

PRINTED IN GREAT BRITAIN

S.O. Code No. 51-312-4-8