

BOARD OF TRADE

# FINAL REPORT on the CENSUS OF PRODUCTION FOR 1948

Volume 5

Trade I

Watch and Clock



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

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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 Od. NET

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|                | * Not applicable to this trade  | 1-100         |

THIS REPORT on the Watch and Clock Trade relates to establishments engaged wholly or mainly in the manufacture of watches and clocks (including electric clocks), and in the repairing of watches and clocks if done for the trade, but not if done directly for the public. As repairing firms were not covered by the 1937 Inquiry, Table 1 gives, as well as the full totals for 1935, figures for that year relating to the sections of the trade included in the 1937. Inquiry. This trade corresponds to minimum list heading 101 in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948. No production was recorded there in this trade for 1937; the business of the establishments included in 1935 was confined to repair work and accounted for about 1 per cent. of the total net output for the United Kingdom.

No production was recorded by Government Departments for 1937 or 1935.

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#### WATCH AND CLOCK TRADE

WATCH AND CLOCK TRADE'

Summary

#### Larger establishments

TABLE 1

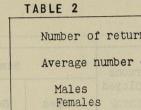
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|  | All<br>sections of<br>the trade | Sections of<br>covered by<br>Inqui | the 1937               | All<br>sections of<br>the trade |
|--|---------------------------------|------------------------------------|------------------------|---------------------------------|
|  | 1948 (a)                        | 1937 (b)                           | 1935 (b)               | 1935 (b)                        |
| Gross output (production)  | & 1000<br>7, 354                | \$`000<br>1,709                    | <u>೩</u> '000<br>1,352 | \$`000<br>1,412                 |
| Cost of materials and fuel used  | 3,071                           | 819                                | 643                    | 652                             |
| Payment for work done on materials given out                                     | 124                             | 8                                  | 12                     | 12                              |
| Net output   | 4,160                           | 882                                | 697                    | 748                             |
| Wages and salaries of persons employed<br>Average number of persons employed (c) | 2,692<br>No.<br>8,990(d)        | No.<br>4,063                       | No.<br>3,708           | No.<br>4,029<br>£               |
| Net output per person employed (c)   | 463                             | 217                                | 188                    | 186                             |
| Stocks at end of year  | £1000                           | £1000                              | £1000                  | £1000                           |
| Finished products and work in progress   | 892                             | ••                                 |                        |                                 |
| Materials and fuel<br>Number of establishments                                   | 850<br>No.<br>86                | No.                                | No.<br>54              | No.<br>66                       |

(a) Great Britain only.
(b) United Kingdom.
(c) Excluding outworkers.
(d) 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:-

|  |             |        |        | the second second second second second |
|--|-------------|--------|--------|--|
|  | 1948        | 1937   | 1935   | 1935                                   |
| Output of firms in this trade  | £1000       | £1000  | £1000  | £1000                                  |
| Total value of sales (1948) or production<br>(1937 and 1935)         |             |        |        |  |
| Principal products (see Table 8)                                     | 6,080       | 1, 564 | 1,352  | 1, 326                                 |
| Other output (see Table 10)  | 1,091       | 145    |        | 86                                     |
| Adjustment for changes in stocks and work in progress (see Table 14) | + 194       | ••     | ••     | ••                                     |
| Less payment for transport by other firms                            | 7,366<br>12 | 1,709  | 1,352  | 1,412                                  |
| Gross output (production)  | 7,354       | 1,709  | 1, 352 | 1,412                                  |
| Materials and fuel used by firms in this trade                       |             |        |        |  |
| Purchases (see Table 13)   | 3, 248      | 819    | = 643  | 652                                    |
| Adjustment for changes in stocks (see Table 14)                      | - 177       | Ĵ.     |        |  |
| Materials and fuel used  | 3,071       | 819    | 643    | 652                                    |



.....

TABLE 3

As returned by f Employing on av Employing on ave

Estimated average making satisfac

Estimated average

(b) See Table 2.

| Average<br>number | Establish- | Gross        | Net                   | Persons<br>employed | broppelle    | Remuneration | TABLE        | Net output<br>per person |
|-------------------|------------|--------------|-----------------------|---------------------|--------------|--------------|--------------|--------------------------|
| employed          | ments      | output       | output                |                     | Wages        | Salaries     | Total        | employed                 |
| 11-24             | No.<br>34  | £¹000<br>650 | \$1000<br><b>33</b> 2 | NO.<br>558          | £'000<br>127 | &'000<br>52  | £'000<br>179 | £<br>595                 |
| 25-49             | 14         | 458          | 283                   | 505                 | 107          | 67           | 174          | 561                      |
| 50-99             | 16         | 815          | 442                   | 1,213               | 245          | 99           | 344          | 364                      |
| 100-199           | . 9        | 950          | 601                   | 1, 125              | 279          | 95           | 373          | 534                      |
| 200-299           | 4          | 686          | 421                   | 977                 | 228          | 40           | 268          | 431                      |
| 300-999           | 9          | 3,794        | 2,081                 | 4,612               | 986          | 367          | 1, 354       | 451                      |
| Total             | 86         | 7,354        | 4,160                 | 8,990               | 1,973        | 719          | 2,692        | 463                      |

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Summary, 1948

#### Small firms in Great Britain

| urns                      | 647               |
|---------------------------|-------------------|
| r of persons employed (a) | walker Parts (dea |
|                           | 1,837<br>336      |
| Total                     | 2, 173            |

(a) Including working proprietors.

#### Estimated average employment, 1948

```
All firms and Government Departments in Great Britain
```

| firms<br>verage more than ten persons (a)                          | 8,990   |
|--|---------|
| verage ten persons or less (b)                                     | 2, 173  |
| 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100 | 11, 163 |
| age employment in firms not<br>actory returns                      | 185     |
| age employment in all firms  | 11, 348 |

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(a) See Tables 1 and 15 (1) and (11)
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Analysis by size, 1948
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## Larger establishments in Great Britain

Analysis by standard region, 1948

Larger establishments in Great Britain

| TABLE 5  |                          |         |             |                        | arrenser 1        | nusber of |              |        |  |
|--|--------------------------|---------|-------------|------------------------|-------------------|-----------|--------------|--------|--|
| _  | Establish-               | Gross   | Net         | output                 | Persons           | Average 1 | Remuneration |        |  |
| Region   | ments                    | output  | Value       | Percentage<br>of total | employed          | Wages     | Salaries     | Total  |  |
| The second second                              | No.                      | £1000   | £1000       | Tota<br>king proprie   | No.               | £1000     | ٤'000        | ٤'000  |  |
| England  | a Automos                |         |             |                        |                   | ±177      |              |        |  |
| Northern; East<br>and West                     |                          | 0.0.01  | p l o yment | ne sporsva             | bedomlti          | 3         |              |        |  |
| Ridings of                                     | Britain                  | n Great | i siront    | aaga jism              | theyop bi         | i firms a | 14           |        |  |
| Yorkshire;<br>North Western;<br>North Midland; |                          |         |             | -                      |                   | 8.9J8     | AT           |        |  |
| and Eastern                                    | 21                       | 909     | 629         | 15.1                   | 1,254             | 269       | 107          | 376    |  |
| London and                                     | 86919                    | (6)     | on persons  | nare chian             | BETAVE NO         | Employing |              |        |  |
| South Eastern;<br>Midland;                     | 2, 173                   |         | ap 1998. (  | tion persona           | gareva do         | Employing | /            |        |  |
| Southern; and<br>South Western                 | 57                       | 4,562   | 2, 578      | 62.0                   | 5,442             | 1,279     | 480          | 1,759  |  |
| Total  | 185                      |         |             | 6.071.02 (M )          | taresetate        | ba guine  |              | 1      |  |
| England  | 78                       | 5,471   | 3, 207      | 77.1                   | 6,696             | 1,548     | 587          | 2,135  |  |
|  | in and the second second |         |             |                        | ALL STREET STREET |           |              |        |  |
| Wales  | 3                        | 360     | 209         | 5.0                    | 747               | 133       | 30           | 163    |  |
| Scotland                                       | 5                        | 1,523   | 744         | 17.9                   | 1, 547            | 293       | 102          | 394    |  |
| Great Britain                                  | 86                       | 7,354   | 4,160       | 100.0                  | 8,990             | 1, 973    | 719          | 2, 692 |  |

#### 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                  | including  | luction) of<br>sales (or | productio              | ipal pr<br>n) of t    | hese prod | ucts by                                       | le,(.btnoc)                         | 5/1/5                                  |
|---|------------------------|------------|--------------------------|------------------------|-----------------------|-----------|---|-------------------------------------|--|
|   |                        |            | bl ishments              | classifie<br>rger esta |                       |           | 5   |                                     |  |
| TABLE 8   |                        |            | valaaku0 as              |                        |                       |           |   |                                     |  |
| 148 650 82  | .suorfT                | £1000      | Tious.                   |                        |                       |           | (b)<br>etion                                  | 1935 (b)<br>Production              |  |
|   |                        |            | Quantity                 | Value                  | Entries               | Quantity  | Value   | Quantity                            | Value                                  |
|   |                        | e.         | Thous.                   | £1000                  | No.                   | Thous.    | 000 ع   | Thous.                              | £1000                                  |
| Clocks, complete (excluding<br>time recorders)<br>Electric, including mains<br>operated, battery and<br>master clocks (with slave<br>dials) |                        | 8.578-<br> |                          | 200                    | 187.<br>Takken<br>38. | (******   | elica<br>canazy<br>c materiale<br>ta of clock |                                     |  |
| Alarm   | clocks                 |            | 196.5                    | 250                    | 6                     |           |   | a cantras a                         | Besse (3                               |
| For mo<br>aircr   | otor vehicl<br>raft    | es and     |                          | 1.1                    | e.a _                 | 35.0      | Daris<br>ga`and                               | ciocke and<br>uding sprin<br>ea)    | LatoT <sub>er</sub><br>Loto)<br>pan Ig |
| Other   | kinds                  |            | 372.7                    | 623<br>105             | 28                    | 164.7     | 310   | 101.2                               | 199                                    |
| Unclas  | ssified                |            | 107.9                    | 238                    | 6                     | 1.881     |   | pie                                 |  |
| Other th  | nan electri            | с          |                          |                        |                       | 10.4      | 14  | tohes                               |  |
| Alarm   | clocks                 |            | 1, 643.8                 | 854                    | 5                     |           | t ar  | os (Wrlatlo<br>ype)                 |  |
| For mo<br>airci   | otor vehicl<br>raft    | es and     | 277.9                    | 277                    | 7                     | 590.0     | 394   | enënës, cin<br>r parts (i           | Watch nov                              |
|   | kinds, inc<br>nometers | luding     | 357.9                    | 767                    | 32                    |           | D   | 629.5                               | 454                                    |
| Time recor  | rders (c)              |            |                          | 62 (6) 63              |                       |           |   |                                     | goode                                  |
| Electri   | c                      |            | 5.4                      | 179                    | 10                    | 6.9       | 120   | LATI ON 10                          | Work done<br>commission                |
| Other tl  | han electri            | .c         | { 7.0                    | 155<br>60              | } 12                  |           | 244   | -                                   | (64aL                                  |
| Parts of  | clocks                 |            | 41                       |                        |                       | and       | (notiouber<br>(see)                           | salas (or )<br>ther; trades<br>5 9) | e161<br>9 11 3<br>1657                 |
| Clock m   | ovements, c            | complete   |                          |                        |                       |           | atauborg                                      | principal.                          | Tota                                   |
| For e   | lectric clo            | ocks       | 160.4                    | 118                    | 15                    | 2.5       | 3 11  | 3.4                                 | 5                                      |
| For o   | ther clocks            | 3          | 681.1                    | 533                    | 16                    | 235.3 *   | 96  | 219.3                               | 103                                    |
|   |                        |            |                          | . 352                  |                       |           |   |                                     |  |

#### WATCH AND CLOCK

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#### PRECISION INSTRUMENTS, JEWELLERY, ETC.

Sales (or production) of the principal products of the tru TABLE 8 (contd.)

| and the state of t | hank nonde   | the ( det J, they | 1. 20 10 10 1 10 1 | War a a liptail o | in the lart                         |                                  |                            |
|--|--|-------------------|--------------------|-------------------|-------------------------------------|----------------------------------|----------------------------|
| 61   | 1948 (a)<br>Sales  |                   |                    | 1937<br>Produc    |                                     | 1935 (b)<br>Production           |                            |
|  | Quantity   | Value             | Entries            | Quantity          | Value                               | Quantity                         | Value                      |
| Parts of clocks (contd.)   | Thous.   | £1000             | No.                | Thous.            | £'000                               | Thous.                           | £1000                      |
| Clock cases  | ta Quanti ty   | trana   oo        | LATT               | 13.nsu0           | Pages .                             | Galarier                         |                            |
| Of wood  | 340.5  | 317<br>63         | 18                 |                   | without a                           | 1.57 000                         |                            |
| Of plastics {  | 137.8  | 25<br>25          | } 18               | 372.3             | 101<br>111                          | 1,025.6                          | 201                        |
| Of other materials   | 35.6   | 75<br>69          | } 8                |                   | e nains<br>and                      | includir<br>a better             |                            |
| Other parts of clocks,<br>excluding springs and<br>glasses   |  | 779               | 47                 |                   | 104                                 | ciecka (wi<br>ciecka             | 93                         |
| Total clocks and parts<br>(excluding springs and<br>glasses)   |  | 5,511             |                    |                   | 1,250                               | iolisev dol<br>jis<br>jis        | 1,055                      |
| Watches, complete  | Vied 1   |                   |                    | 372.              |                                     | annts                            | 75070                      |
| Wristlet type  | 531.5  | 845               | 8                  | 383.3             | 185                                 | 215.9                            | 107                        |
| Pocket type  | 185.5  | 156               | ••                 |                   |                                     | bailis.                          | asignU                     |
| Parts of watches   |  |                   |                    |                   | 1, 548 Ja                           | an wiectri                       | is zeitzo                  |
| Watch cases (wristlet or<br>pocket type)   | 281.4  | 370<br>30         | } 12               | 421.4             | 298                                 | 356.7                            | 239                        |
| Watch movements, complete,<br>and other parts (excluding<br>springs, glasses and   | 01098-   |                   |                    | 277.              | 998 800 99                          | 101 <u>ventc.</u><br>aft,<br>301 | 601 106<br>101 10<br>104 1 |
| jewels)  |  | 98                | 11                 | . 188             | 9                                   | kinds, in                        | 15                         |
| Repair work on customers' goods  |  | 262(d)            | 43                 | 1                 | 4,0/3                               | erv<br>ders (c)                  | Settas                     |
| Work done for the trade or on commission   | 1. 11 M  | 112(d)            | 13                 |                   | 89 (d)                              |                                  | 152 (d)                    |
| Total  |  | 7,384             |                    | .S                | 1,831                               | TJD6I0 (IB.                      | 1, 568                     |
| Less sales (or production)<br>in other trades (see<br>Table 9)   |  | 1,304             |                    | pilaped.          | 267                                 | locks                            | 242                        |
| Total principal products   |  |                   |                    |                   | omplete                             | vements, .                       | on xoo 10                  |
| of this trade sold or<br>made by establishments in<br>the trade  | Bad<br>Period  | 6,080             | 76                 | 1081<br>Late prod | 1,564                               | lo oltijo                        | 1,326                      |
| Dot Distance and   | and the second s | 14                | a                  | 6.20 P            | Start Start Start Start Start Start | And Call 12024                   | 140 2014                   |

(a) (b) (c) (d)

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Great Britain only. United Kingdom. So far as recorded separately. Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades Larger establishments TABLE 9 Qu Clocks, complete (excluding time recorders) Electric, including mains operated, battery and master clocks (with slave dials) Other than electric Time recorders Parts of clocks Clock movements, complete Clock cases Other parts of clocks, excluding springs and glasses Total clocks and parts (excluding springs and glasses) Watches, complete Parts of watches Watch cases (wristlet or pocket type) Watch movements, complete, and other parts (excluding springs, glasses and jewels) Repair work on customers' goods



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|                            |                                |                    |                |          |                        | and the sum which is a sum of |  |
|----------------------------|--------------------------------|--------------------|----------------|----------|------------------------|-------------------------------|--|
| 1948 (a)<br>Sales          |                                |                    | 1937<br>Produc |          | 1935 (b)<br>Production |                               |  |
| antity                     | Value                          | Entries            | Quantity       | Value    | Quantity               | Value                         |  |
| Thous.                     | £'000                          | No.                | Thous.         | £1000    | Thous.                 | ٤'000                         |  |
|                            |                                | r.                 |                | 163      |                        |                               |  |
| and peans<br>are not peans | son dala dala<br>Lico especial |                    |                | , toy Ll | of Hold, a             |                               |  |
| 133.7-                     | 324                            | 15                 | 38.6           | 106      | 35.4                   | 77                            |  |
| 67.9                       | 179                            | 16                 | 191.7          | 107      | 191.8                  | 127                           |  |
| 4.1<br>                    | 59<br>55                       | 8                  | F              | 8913003  | ezhe zatada            | LI. officiale                 |  |
| on contra                  | 10710 Mar 1                    |                    | 16.4           | 14       | anteragos              | Badio, tele<br>elegizable     |  |
| 20.5                       | 72                             | 11 {               | ••             | 11       | } 11.2                 | 10                            |  |
| 183.5                      | 67<br>118                      | 33                 | -              | -        | 7.5                    | vioi <b>1</b> mont            |  |
|                            |                                | 360                |                |          | the sold               | 9                             |  |
|                            | 335                            | 25                 | ••             | 8        |                        | 9                             |  |
|                            |                                | 001                | .1             |          |                        | Total                         |  |
|                            | 1,209                          | ••                 | 1              | 246      | ng Ideto (             | 224                           |  |
| 0.4                        | 3                              |                    | 0.2            | 6        | 0.2                    | 3                             |  |
|                            |                                |                    |                |          |                        |                               |  |
| 31.4                       | 44                             | 6                  | 36.4           | 15       | -                      | -                             |  |
|                            |                                |                    |                |          |                        |                               |  |
|                            | 12                             | 5                  | -              | -        |                        | -                             |  |
| 1                          | 35 (c)                         | to <b>e</b> en a h | *              | -        | 1                      | 15(c)                         |  |
| -                          | 1,304                          |                    |                | 267      |                        | 242                           |  |

(a) Great Britain only.
(b) United Kingdom.
(c) Amount charged in 1948 and amount received in 1935.

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

#### Larger establishments

#### TABLE 10

5/I/8

| And           | Television | T          |                 |
|---|------------|------------|-----------------|
|   | 1948 (a)   | 1937 (b)   | 1935 (b)        |
| Value Quantita Villa                              | Sales      | Production | Production      |
|   | £'000      | ٤'000      | £1000           |
| Jewellery, gem-set or not                         | 1          | 50         | 28              |
| Other wares of gold, silver, electroplate, etc.   | -          | 1          | 5               |
| Scientific instruments and apparatus, and parts   | 92         | 52         | 26              |
| Time switches                                     | 124        | -          | -               |
| Electric lighting accessories                     | 101        | Trens-M    |                 |
| Radio, telecommunication and electronic apparatus | 96         | 3          | Parts of flocks |
| Parts and accessories of motor vehicles           | 259        | 7          |                 |
| Machinery and parts                               | 135        | 6          | 5               |
| Other goods                                       | 250        | 19         | 20              |
| Waste products sold                               | 33         | 7          | 2               |
| Total   | 1,091      | 145        | 86              |

(a) Great Britain only.

(b) United Kingdom.

#### TABLE II

Sales (or transfers) to other organis

Sales to independent buyers

Exports invoiced directly overseas

Exports invoiced to Crown Agents an country of individual firms and go

His Majesty's Government and Local productive establishments)

Manufacturers, repairers, builders, transport and other productive und

Wholesalers, merchants and other a

Retailers, including multiple shops for resale

Other businesses (including farmers kinds

Members of the public, including es

Total sales to independent b

Total

other sales.

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#### WATCH AND CLOCK

#### Analysis of sales, 1948

#### Larger establishments in Great Britain

| Production (o) (o)                                |                |                                  |
|---|----------------|----------------------------------|
| Enouse<br>Enouse                                  | Sales          | Percentage<br>of total<br>sales  |
|   | £1000          | loni otrisett .<br>1. isiset bie |
| sations under the same control                    | 2 <b>,7</b> 58 | 40.4                             |
|   | 198            | 2.9                              |
| nd purchasing houses in this<br>overnments abroad | 91             | 1.3                              |
| Authorities (other than                           | 66             | 1.0                              |
| , mines, public utilities, and<br>dertakings      | 697            | 10.2                             |
| agents for resale                                 | 2, 238 (a)     | 32.8                             |
| os, caterers and N.A.A.F.I.,                      | 686            | 10.0                             |
| s) and institutions of all                        | 32             | 0.5                              |
| employees   | 67             | 1.0                              |
|   | s, complete    | Chook novement                   |
| puyers  | 4,075          | 59.6                             |
| 1949 - 851-1<br>1959 - 855-5<br>1959 - 855-5      | 6,833          | 100.0                            |

(a) of this total £1,653,000 was recorded as divided between £284,000 for export and £1,369,000 for

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

TABLE 12

5/I/10

|  |   | Production (b)(c)     | Exports (d)         | Retained<br>imports (e) |
|--|---|-----------------------|---------------------|-------------------------|
| Parentage<br>Estes of total  | *   | Thous.                | Thous.              | Thous.                  |
| Clocks, complete (excluding time re  | corders)  |                       |                     |                         |
| Electric, including mains operate<br>and master clocks (with slave di                |   |                       | 60                  | 1935 (b)                |
| Alarm clocks   | 1948  | 196.5                 | 29.8                | 14.4                    |
| Other kinds  | 1948  | 435.5 (f)             | 106.4               | J                       |
| Total electric clocks  | { 1948<br>1937  | 739.9 (g)<br>164.7    | 136.2<br>10.6       | 14.4<br>105.0           |
| Other than electric  | alds al   | nt purchasing houses  | d to.Crown Agenta a | Experie invole          |
| Alarm clocks   | $ \left\{\begin{array}{c} 1948 \\ 1937 \end{array}\right. $ | 1,643.8               | 550.8<br>1.2        | 1, 122.0<br>2.687.7     |
| All other kinds  | { 1948<br>1937  | 635.8 (f)<br>         | 160.7<br>48.9       | 3.1<br>1,764.2          |
| Total other than electric  | { 1948<br>{ 19 <i>3</i> 7                                   | 2,279.6<br>590.0      | 711.5<br>50.1       | 1, 125.1<br>4, 451.9    |
| Time recorders   | 1.2.4.  | a, caterens and M.A.A | loue eldisten Juipp | Retailerer Ind          |
| Electric   | 1948  | 5.4                   | 24.0 (h)            | Anten bustness          |
| Other than electric  | 1948  | 10.0 (f)              | 4.0 (h)             | - spata                 |
| Parts of clocks  |   |                       | public, induding e  | edg 70 avegaeti         |
| Clock movements, complete  | 200   |                       | F# 11-1-1           | -89                     |
| For electric clocks  | { 1948<br>19 <i>3</i> 7                                     | 160.4                 | 19.1<br>2.3         | 9.3<br>17.6             |
| For other clocks   | { 1948<br>1937  | 681.1<br>235.3        | 79.9<br>5.6         | 14.4<br>1, 150.1        |
| Clock cases  | 1948  | 752.0 (f)             | 5.0                 | × ••                    |
| o for arears and fit 200,000 for   | 50.,4853 ni.ext   | ຊາ000                 | £1000               | £1000                   |
| Other parts of clocks, excluding springs and glasses (1)                             | 1948  | 779                   | 52                  |                         |
| Total parts of clocks, other th<br>complete clock movements, spr:<br>and glasses (1) |   | 1,353<br>316          | 53<br>14            | 59<br>53                |
| Watches, complete  | <pre>{ 1948   1937</pre>                                    | 716.9<br>383.3        | 102•5<br>14•5       | 1,466.2<br>7,662.9      |
|  | 21-   |                       |                     |                         |

# TABLE 12 (contd.)

|       | (a)         |                                     | 1               | (                  | aj vas           | E.             |
|-------|-------------|-------------------------------------|-----------------|--------------------|------------------|----------------|
|       |             |                                     |                 |                    |                  |                |
| Parts | of          | watches                             |                 |                    |                  |                |
| Wat   | ch ca       | ases                                |                 |                    |                  |                |
|       |             |                                     |                 |                    |                  |                |
| pa    | irts        | ovements,<br>of watche<br>s and jev | es exc          | cluding            | and o<br>g spri  | ther<br>ngs,   |
| (a)   | Uni         | res of sa<br>ted Kingo<br>the table | dom (           | 1937).             | A11              | reco           |
| (b)   | Sale        | s in 194                            | 8 and           | produ              | ction            | for s          |
| (c)   | Incl        | uding sa                            | les (           | or pro             | ductio           | on) by         |
| (d)   | Valu        | led f.0.b                           | •               |                    |                  |                |
| (e)   | Valu        | led c.i.f                           | •               |                    |                  |                |
| (f)   | Part        | tly estim                           | ated.           |                    |                  |                |
| (g)   | Inci        | luding un                           | class           | ified              | sales            | •              |
| (h)   | Inc:<br>Ele | luding ti<br>ectrical               | .me sw<br>Engir | vitches<br>neering | s. Fo<br>g (Gene | or pa<br>eral) |
| (1)   | The         | oversea                             | trade           | e figur            | res in           | clude          |
| (j)   | The<br>re   | oversea<br>tained in                | trade<br>nports | e figur<br>s which | res in<br>n incl | clude<br>udes  |
|       |             |                                     |                 |                    |                  |                |

WATCH AND CLOCK

|                                 | Production (b)(c)  | Exports (d) | Retained<br>imports (e) |
|---------------------------------|--------------------|-------------|-------------------------|
| unital av<br>Otte<br>D- Buttest | Thous.             | Thous.      | Thous.                  |
| COAS                            | xatanna            |             |                         |
| { 1948<br>1937                  | 298.5 (f)<br>421.4 | 4.0<br>2.0  | 588.4<br>154.0          |
|                                 | £1000              | £1000       | £1000                   |
| {1948<br>1937                   | 98<br>9            | 6<br>2      | 787<br>312              |

refer only to larger establishments in Great Britain (1948) or the corded exports from and imports into the United Kingdom are given erefore, are not strictly comparable.

sale in 1937.

by establishments classified to other trades.

particulars of the output of time switches in all trades see the L) Trade (Volume 4, Trade K).

le springs and glasses.

de springs, glasses and jewels, except the 1948 figure for springs and glasses but not jewels.

#### 5/1/12

## PRECISION INSTRUMENTS, JEWELLERY, ETC. Purchased materials and fuel

#### Larger establishments

TABLE 13

|   | 1                                 |                |                           |                   |                               |                     |
|---|-----------------------------------|----------------|---------------------------|-------------------|-------------------------------|---------------------|
|   | 1948                              | (a)            | 1937 (                    | b)                | 1935                          | (b)                 |
| Teores. Thous,  | Material<br>fuel pur              |                | Usage                     | of purch<br>and f | ased materia<br>uel           | als                 |
|   | Quantity                          | Cost           | Quantity                  | Cost              | Quantity                      | Cost                |
| 4+589.<br>0-4-2<br>0-5-2  | Th. ozs.<br>troy                  | £1000          | Th. ozs.<br>troy          | £1000             | Th. ozs.<br>troy              | £1000               |
| Materials   | 0000                              |                |                           |                   | a la companya                 |                     |
| Gold and silver   | 49.6                              | 116            | 83.3                      | 155               | 74.6                          | 127                 |
|   | Thous.                            | f east         | Thous.                    | antine sea        | Thous.                        | egided<br>Parigeren |
| Parts of clocks   |                                   | 1              | 1.1.2.X                   |                   |                               |                     |
| Clock cases   | 1. State Lawrence                 | and the second |                           |                   |                               |                     |
| Of wood   | 200.6                             | 151            |                           | (1,937).          | ei pe, iouera<br>abbailt bei: |                     |
| Of plastics   | 101.2                             | 22             | 169.9                     | 45                | 279.2                         | 45                  |
| Of other materials  | 1,111.7                           | 22             | ton tot not               | ouparia ba        | s deet ut a                   |                     |
| Clock movements, complete   | 521.7                             | 236            | 203.5                     | 76                | 315.6                         | 75                  |
| Parts of watches  | A A THE AREA IN THE               |                |                           | 20-4Q 2Q)         | eoise Suidh.                  |                     |
| Watch cases, and watch movements, complete  | 595.2                             | 150            | 466.9                     | 97                | , co.o.t be                   | (LEV) - (b)         |
| Packing materials   |                                   | 53             |                           | 7                 | Det                           | (e) Val             |
|   | Th. cwts.                         |                |                           |                   |                               |                     |
| Clock brass, except finished parts  | 30.1                              | 278            |                           |                   |                               | 394 (c)             |
| Other parts of clocks, including glasses  |                                   | 684            | oles,                     | e Dellica<br>75.2 | econu put bui                 | (g) Inc             |
| Other parts of watches, including glasses   | che output of :<br>e 4. Trafe K). | 315            | Roit part)<br>(General) I | 4 25              | inte salian<br>is Isolati fi  | (h) ind<br>Br       |
| Timber of all kinds (including<br>veneers, plywood, etc.) other<br>than for packing (d) | •8928a[g                          | 70             | ge opuloni e              | enugiti en        |                               | edi (11)            |
| All other purchased materials   | Liona ( base, bo as               | 1,069          | s include ap              | englit et         |                               | ent: (1)            |
|   | Th. tons                          | laga ang a     | Th. tons                  | Calific B3        | Th. tons                      | 87                  |
| Fuel and electricity  |                                   |                |                           |                   |                               |                     |
| Coal  | 3.2                               | 10             | 0.2                       | -                 | 0.4                           | 1                   |
| Coke  | 1.8                               | 7              |                           | (e)               | 1.4                           | 2                   |
|   |                                   |                |                           |                   |                               |                     |
|   |                                   |                |                           |                   |                               |                     |

TABLE 13 (contd.)

Fuel and electricity (contd.)

Electricity purchased and electricity obtained from other works under the same ownership (f)

Motor spirit (petrol) and derv. fuel

Used for road vehicles

Used for other power purposes

Other oil fuel (including creosote/pitch mixtures)

#### Gas purchased

From public supply

From other sources

Gas obtained from other works under the same ownership

All other purchased fuel

Total

- (a) Great Britain only.
- (b) United Kingdom.
- (c) Including fuel not specified separately.
- (d) So far as recorded separately.
- (e) Not recorded separately.
- generated in the same works.

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#### WATCH AND CLOCK

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| 0.6 246716160                         |                   |                          | 16010                |                          |                   |
|---------------------------------------|-------------------|--------------------------|----------------------|--------------------------|-------------------|
| 1948                                  | (a)               | 1937 (                   | b)                   | 1935                     | (b)               |
| Material<br>fuel pur                  |                   | Usage                    | of purch<br>and      | hased materia<br>fuel    | ls                |
| Quantity                              | Cost              | Quantity                 | Cost                 | Quantity                 | Cost              |
| Th. B.T.U.<br>(KW. hrs.)              | £'000             | Th. B.T.U.<br>(kW. hrs.) | £'000                | Th. B.T.U.<br>(kW. hrs.) | £'000             |
| 6783                                  |                   |                          |                      | sind fool                |                   |
| reasontatio                           | ne them           | o ( qmBi                 |                      |                          |                   |
| 7,106                                 | 40                | 1,149<br>••              | 5<br>3               | 1,653                    | 8                 |
| Th. galls.                            | Lan age           | Envision to 1            | o risdada            | gerese 1                 |                   |
| Al Translatione<br>Definition electra | CAA<br>MARKEN B   | LIL DIG TY               |                      | Lasons & Del             |                   |
|                                       |                   |                          | bata sed<br>Lab data | 1 922 20 AG              | 1. 1              |
| 41                                    | 4                 |                          |                      | (Aa) epet                | Localites,        |
|                                       | 2                 |                          | 808                  |                          | BL rabes          |
|                                       | neten             |                          | 2, 198 (             | 463.65                   | noya (76          |
| 161                                   | 7                 |                          | 128                  | ave                      | and reput         |
| Th. therms                            | out in the second |                          | od Shirest.          | and the start            | none spin         |
|                                       | 00                | 1                        | 6                    |                          | (e)               |
| 298                                   | 13                |                          | 1.485.45             | 388,7                    | ALL CROC          |
| -                                     | - 009             |                          |                      | 21000                    |                   |
|                                       | 217               |                          |                      | 044.2 7 201.             | 12107<br>DROSUFED |
| Turter Tonatayo                       |                   |                          |                      | Sus to Lotte Dab         | Long. GY          |
|                                       | · · ·             |                          |                      | 02760000-0860            | -                 |
| Line A thread and a series            | 3, 248            | Tat handst               | 819                  | Gold out the st          | 652               |

(f) The total quantity of electricity consumed in 1948 was 10,501,000 B.T. units including 3,395,000

#### Stocks of finished products and work in progress and stocks of materials and fuel, 1948 Larger establishments in Great Britain

TABLE 14

5/I/14

| is the of parameters are needed as           | At beginning of year | At end of year |
|--|----------------------|----------------|
|  | £1000                | £1000          |
| Finished products                            | 206                  | 287            |
| Work in progress                             | 492                  | 605            |
| Total finished products and work in progress | 698                  | 892            |
| Materials and fuel                           | 673                  | 850            |

#### Employment and remuneration (a) Larger establishments (i) Private Firms

TABLE 15

|                       | Averag                             | e number       | of opera                              | atives                             | and the second state of th |                | technic:<br>loyees (ì                 |                                    |                                    | Tota       | al        |                                    |
|-----------------------|------------------------------------|----------------|---------------------------------------|------------------------------------|--|----------------|---------------------------------------|------------------------------------|------------------------------------|------------|-----------|------------------------------------|
|                       | All<br>sections<br>of the<br>trade | trade<br>by th | s of the<br>covered<br>e 1937<br>uiry | All<br>sections<br>of the<br>trade | All<br>sections<br>of the<br>trade   | trade<br>by th | s of the<br>covered<br>e 1937<br>uiry | All<br>sections<br>of the<br>trade | All<br>sections<br>of the<br>trade |            |           | All<br>sections<br>of the<br>trade |
|                       | 1948(c)                            | 1937(d)        | 1935(d)                               | 1935 (d)                           | 1948(c)  | 1937 (d)       | 1935(d)                               | 1935(d)                            | 1948(c)                            | 1937 (d)   | 1935(d)   | 1935(d)                            |
| Males                 |                                    |                |                                       |                                    |  |                |                                       |                                    |                                    |            |           |                                    |
| Under 18              | 308                                | 535            | 446                                   | 469                                | 18   | 44             | 12                                    | 13                                 | 326                                | 579        | 458       | 482                                |
| All ages              | 3,884                              | 2, 106         | 1,985                                 | 2,234                              | 898  | 412            | 266                                   | 303                                | 4,782                              | 2,518      | 2, 251    | 2,537                              |
| Females               | - sales is                         |                |                                       |                                    | 10 2 1 2   | 1500           |                                       |                                    | ( umud                             | thoir min  | aletovo   | 100                                |
| Under 18              | 275                                | 311            | 313                                   | 316                                | 72   | 97             | 59                                    | 62                                 | 347                                | 408        | 372       | 378                                |
| All ages              | 3,481                              | 1, 275         | 1,276                                 | 1, 285                             | 577  | 270            | 181                                   | 207                                | 4,058                              | 1,545      | 1, 457    | 1, 492                             |
| Total .<br>Under 18   | 583                                | 846            | 759                                   | 785                                | 90   | 141            | 71                                    | 75                                 | 673                                | 987        | 830       | 860                                |
| All ages              | 7,365                              | 3, 381         | 3, 261                                | 3, 519                             | 1,475(e)   | 682            | 447                                   | 510                                | 8,840<br>(e)(f)(g)                 | 4,063      | 3,708     |                                    |
|                       | £' COO                             |                |                                       |                                    | £! 000   | -              |                                       |                                    | £'000                              | iphilipa 7 | adija dio |                                    |
| Total<br>remuneration | 1,940                              | •• .           |                                       | ••                                 | 712  |                |                                       |                                    | 2,652                              |            |           | ••                                 |

(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): -

6 males 155 males Canteen workers Other workers

79 females 62 females

Number at September 25, 1948, October 16, 1937, and October 12, 1935. Great Britain only. United Kingdom.

(b) (c)

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(a) United Aingdom.
(b) There were, in addition, 15 working proprietors (14 males and 1 female) in 1948. Working proprietors are included in the 1937 and 1935 figures.
(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £64,000.
(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons (included in this total). more persons: -

|  | Operatives | Administrative,<br>technical and |
|--|------------|----------------------------------|
| Transport of goods outside the premises<br>Maintenance and repair of firms' buildings. | 13         | clerical employees               |
| but not plant<br>Research work not directly connected with                             | 24         |                                  |
| current production however charged   | 8          | 4                                |

In addition to the employees in the above table the firms in this trade employed outworkers whose number (and remuneration in 1948) are set out below.

|                      | Average nu    | ther of outworke | ers employed   | motel emount                          |  |
|----------------------|---------------|------------------|----------------|---------------------------------------|--|
|                      | Males         | Females          | Total          | Total amount<br>paid to<br>outworkers |  |
| 1948<br>1937<br>1935 | 2<br>74<br>52 | 16<br>1          | 18<br>75<br>52 | £¹ 000<br>ຂ<br>••                     |  |

## TABLE 15 Males Under 18 All ages Females

Under 18 All ages Total Under 18 All ages

#### Total remun

(a) Exclude incluc organ

(b) At Sep

(c) The emp respe

|   | Wages                 | and salari     | es paid.         | 1948 (a)   |                  |                   |          |
|---|-----------------------|----------------|------------------|--|------------------|-------------------|----------|
| TABLE 16  |                       | stablishme     |                  | and the second sec | in               |                   |          |
| Same and Same   | Amount<br>paid        | Est            | ablishment:      | s making ret   | urns for th      | e calendar 3      | Jear     |
| the second second                                     | by all.<br>establish- | Amount         | Perc             | centage of a   | nnual remun      | eration paid      | i in 🕔   |
| Total value of salve (a                               | ments                 | Amount<br>paid | First<br>quarter | Second<br>quarter  | Third<br>quarter | Fourth<br>quarter | Year     |
| in prograss   | £1000                 | £1000          | blind h          | aupation   | 0 8/0 J          | sa · L            | 1 + 3.04 |
| ages and salaries of<br>Operatives<br>Administrative, | 1,973                 | 785            | 25.2             | 25.0   | 23.9             | 25.9              | 100.0    |
| technical and<br>clerical employees                   | 719                   | 289            | 23.1             | 25.6   | 23.9             | 27.4              | 100.0    |
| Total   | 2,692                 | 1,074          | 24.6             | 25.2   | 23.9             | 26.3              | 100.0    |

|  | Amount<br>paid        | Esta   | ablishment       | s making re       | turns for th     | e calendar y        | vear    |
|--|-----------------------|--------|------------------|-------------------|------------------|---------------------|---------|
|  | by all.<br>establish- | Amount | Perc             | centage of a      | annual remun     | eration paid        | in      |
| Totel value of salwe of                                | ments                 | paid   | First<br>quarter | Second<br>quarter | Third<br>quarter | Fourth<br>quarter   | Year    |
| in progress  | £1000                 | 21000  | iblied in        | supation d        | 200              | 50 · [              | 1.4.304 |
| Vages and salaries of<br>Operatives<br>Administrative, | 1,973                 | 785    | 25.2             | 25.0              | 23.9             | 25.9                | 100.0   |
| technical and  | rt by plans?          |        |                  |                   |                  | - the second second |         |
| clerical employees                                     | 719                   | 289    | 23.1             | 25.6              | 23.9             | 27.4                | 100.0   |
| Total  | 2,692                 | 1,074  | 24.6             | 25.2              | 23.9             | 26.3                | 100.0   |

(a) Including bonus and commission payments.

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|   |   |   |   | A REAL PROPERTY AND A REAL |   |   | and the base of the second |                                 |
|---|---|---|---|--|---|---|--|---------------------------------|
|   | -   |   | ge number o<br>ratives  |  | listrative,<br>elerical emp   |   | Tota   | al                              |
|   |   |   | 1948  | 2100   | 1948  |   | 194  | 8                               |
| (preciprion)  |   |   |   | 1.19.57  | 1   | STATION THE   | bati   | inerioad                        |
|   | a uned<br>bane fiam   | gilveb  | 1<br>61   | 640  | -<br>12   |   | 7  | 1<br>3                          |
|   | nines ente  | 23.8 1 . 8  | 1<br>59   | alesteale  | -<br>3  |   | 6  | 1<br>2                          |
|   |   |   | 2<br>120  | 1  | -<br>15   | and a second  |  | 2                               |
|   |   |   | £'000   |  | £'000   |   | £100   | 5 <b>(c)</b><br>0               |
| ation   |   |   | 33  |  | 7   |   | 4  |                                 |
| nber 25, 194<br>Dyers' share  | Canteen<br>Other 1<br>18.<br>9 of cont:   | rate ac<br>n worke<br>workers<br>ributio  | ns to all N   | kept):-<br>males<br>males  | 2<br>-<br>surance Sche  | females<br>females  |  |                                 |
| nber 25, 194<br>Dyers' share  | Canteer<br>Other w<br>Ba.<br>of cont:<br>orkers amo   | rate ac<br>n worke<br>workers<br>ributio<br>ounted<br>lages a   | counts are<br>rs -<br>ns to all N<br>to £1,000.<br>and salari   | kept):-<br>males<br>males<br>ational In  | 2<br>-<br>surance Sche  | females<br>females<br>emes payable  |  |                                 |
| nber 25, 194<br>Dyers' share  | Lar   | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>lages a<br>rger es                                     | counts are<br>rs -<br>ns to all N<br>to £1,000.<br>and salari<br>stablishme                                 | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G   | 2<br>ISURANCE Sche<br>1948 (a)<br>Freat Brita                                     | females<br>females<br>emes payable  | during the   | year in                         |
| ber 25, 194<br>yers' share  | Lar   | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>lages a<br>rger es<br>int<br>id                        | counts are<br>rs -<br>ns to all N<br>to £1,000.<br>and salari<br>stablishme                                 | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G   | 2<br>-<br>surance Sche<br>1948 (a)  | females<br>females<br>emes payable  | during the   | year in                         |
| uber 25, 194<br>Dyers' share  | Lar   | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>lages a<br>rger es<br>int<br>id<br>all                 | counts are<br>rs -<br><br>ns to all N<br>to £1,000.<br>and salari<br>stablishme<br>Est                      | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G<br>ablishment   | 2<br>ISURANCE Sche<br>1948 (a)<br>Freat Brita                                     | females<br>females<br>emes payable<br>tin   | during the   | year in<br>year                 |
| nber 25, 194<br>Dyers' share  | Lar   | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>lages a<br>rger es<br>int<br>id<br>all.<br>Lish-       | counts are<br>rs -<br>ns to all N<br>to £1,000.<br>and salari<br>stablishme                                 | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G<br>ablishment   | 2<br>ISURANCE Sche<br>1948 (a)<br>Freat Brita                                     | females<br>females<br>emes payable<br>tin   | during the   | year in<br>year                 |
| aber 25, 194<br>aber 25, 194<br>ayers' share<br>of these wo                                   | Lar<br>Amou<br>pa:<br>by a<br>establ  | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>lages a<br>rger es<br>int<br>id<br>all<br>Lish-<br>ts  | counts are<br>rs -<br>  | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G<br>ablishment<br>Per<br>First   | 2<br>I948 (a)<br>Freat Brita<br>S making ref<br>centage of a<br>Second            | females<br>females<br>emes payable<br>in<br>turns for th<br>unnual remun<br>Third             | during the<br>e calendar :<br>eration paid<br>Fourth   | year in<br>year                 |
| ation for wr<br>nber 25, 194<br>byers' share<br>of these wo<br>of these wo<br>uries of<br>ve, | Amou<br>pa:<br>by a<br>by a<br>by a<br>by a<br>establ<br>ment   | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>lages a<br>rger es<br>unt<br>id<br>all.<br>Lish-<br>ts | counts are<br>rs<br>ns to all N<br>to £1,000.<br>and salari<br>stablishme<br>Est<br>Amount<br>paid          | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G<br>ablishment<br>Per<br>First   | 2<br>I948 (a)<br>Freat Brita<br>S making ref<br>centage of a<br>Second            | females<br>females<br>emes payable<br>in<br>turns for th<br>unnual remun<br>Third             | during the<br>e calendar :<br>eration paid<br>Fourth   | year in<br>year                 |
| nber 25, 194  | Amou<br>pa:<br>by a<br>canteer<br>Other w<br>la<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>control<br>contr | rate ac<br>n worke<br>workers<br>ribution<br>ounted<br>ages a<br>rger es<br>int<br>id<br>all.<br>lish-<br>ts  | counts are<br>rs<br>ns to all N<br>to £1,000.<br>and salari<br>stablishme<br>Est<br>Amount<br>paid<br>£'000 | kept):-<br>males<br>males<br>ational In<br>es paid,<br>ents in G<br>ablishment<br>First<br>quarter   | 2<br>I948 (a)<br>Treat Brita<br>S making ref<br>centage of a<br>Second<br>quarter | females<br>females<br>emes payable<br>ain<br>curns for th<br>unnual remun<br>Third<br>quarter | during the<br>e calendar :<br>eration paid<br>Fourth<br>quarter  | year in<br>year<br>1 in<br>Year |

WATCH AND CLOCK

Employment and remuneration (a)

Larger establishments

(ii) Government Departments

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 £124,000.

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PRECISION INSTRUMENTS, JEWELLERY, ETC. Payments for certain services, 1948 Larger establishments in Great Britain

#### TABLE 18

|   | Amount paid         |
|---|---------------------|
| Repair and maintenance  | £1000               |
| Of buildings<br>Of plant, machinery and vehicles<br>Unclassified  | 16<br>39<br>31      |
| Hire of plant, machinery and vehicles<br>Advertising and market research<br>Advertising in newspapers, magazines and periodicals<br>Other advertising services (poster display, despatch of circulars, etc.)<br>and market research<br>Unclassified | 11<br>21<br>3<br>19 |
| Payments made for research work   | ALL 2823            |
| Postage, telephone, telegrams and cables<br>Commercial insurance premiums   | 31<br>26            |
| Rates (excluding water rates) payable in the year   | 12                  |

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

#### Larger establishments in Great Britain

|  | LE |  |
|--|----|--|
|  |    |  |

|                     |             | The at Bertry Onto D'Th | NACH ARADI IN TORIC |
|---------------------|-------------|-------------------------|---------------------|
|                     | Acquis      | itions                  | 67.8 997            |
| (c) 840             | New         | Second-hand             | Disposals           |
| al Britain          | £1000 sinds | £1000                   | £1000               |
| Plant and machinery | 242         | 7                       | 5                   |
| Vehicles            | 24          | 5                       | 7                   |
| Total               | 266         | 12                      | 11                  |

Capital expenditure on building work and changes in

occupation of buildings and land, 1948

Larger establishments in Great Britain

#### TABLE 20

| - |    |   |             | 1      |
|---|----|---|-------------|--------|
| 1 |    | and the second produces and the second second | £1000       | ini og |
|   | 1. | Capital expenditure on building work (a)      | 79          | 183    |
|   | 2. | Existing buildings and land acquired (b)      | 15          |        |
| - |    | Total of headings 1 and 2                     | 94          | buto   |
|   | 3. | Existing buildings and land relinquished (c)  | 9 5 16 . 84 |        |
|   | 4. | Headings 1 and 2 less heading 3               | 78          |        |

Excluding site value.

(a) (b) The figure does not reflect changes in ownership of previously occupied land and buildings. (c) Including property destroyed or abandoned.

#### TABLE 21

Gross output (production)

Cost of materials and fuel used

Payment for work done on materials given Net output

Wages and salaries 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 progres. Materials and fuel

#### Number of establishments

(a) Excluding outworkers.

#### Output of firms in this trade Total value of sales (see Table 23)

Adjustment for changes in stocks and in progress

Less payment for transport by other f

Gross output (production)

Materials and fuel used by firms in this trade

Purchases (See Table 24)

Adjustment for changes in stocks

Materials and fuel used

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#### PRECISION INSTRUMENTS, JEWELLERY ETC. COUNTRY TABLES

WATCH AND CLOCK TRADE

Summary

#### Larger establishments

| and the second second second second  |         |       |          | in the second |
|--|---------|-------|----------|---|
| Land<br>Participant  | England | Wales | Scotland | Great<br>Britain  |
|  | £'000   | £1000 | £'000    | £1000   |
|  | 5,471   | 360   | 1,523    | 7,354   |
| 6.0.2  | 2, 156  | 152   | 763      | 3,071   |
| n out  | 108     | -     | 15       | 124   |
|  | 3, 207  | 209   | 744      | 4,160   |
|  | 2, 135  | 163   | 394      | 2,692   |
|  | No.     | No.   | No.      | No.   |
|  | 6, 696  | 747   | 1,547    | 8,990   |
| . sbent  | £       | £     | £        | £   |
| sheents  | 479     | 279   | 481      | 463   |
|  | £'000   | £'000 | £1000    | £'000   |
| S  | 712     | 42    | • 138    | 892   |
| Contraction of the second second   | 655     | 10    | 184      | 850   |
|  | No.     | No.   | No.      | No.   |
| and the second s | 78      | 3     | 5        | 86  |

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

|                   | England | Wales | Scotland     | Great<br>Britain |
|-------------------|---------|-------|--------------|------------------|
|                   | £1000   | £1000 | £1000        | £1000            |
| 2                 | 5,373   | 331   | 1,468        | 7,172            |
| work              | + 105   | + 30  | + 59         | + 194            |
|                   | 5,478   | 362   | 1,527        | 7,366            |
| irms              | 6       | 2     | 4            | 12               |
| The second second | 5,471   | 360   | 1,523        | 7,354            |
| S                 |         |       | era cicetes. | orine quite      |
|                   | 2, 275  | 148   | 825          | 3, 248           |
|                   | - 119   | + 3   | - 62         | - 177            |
|                   | 2, 156  | 152   | 763          | 3,071            |
|                   |         |       |              |                  |

## PRECISION INSTRUMENTS, JEWELLERY ETC. COUNTRY TABLES

Súmmary

Small firms

| TABLE 22                               |         | 1109158 10505 |       |             | 1.000 - 0.00 00 0 0 0 0 0 0 0 0 0 0 0 0 0 |
|--|---------|---------------|-------|-------------|---|
| Waline Soutiand Great                  | Drafa   | England       | Wales | Scotland    | Great<br>Britain                          |
| Number of returns                      | - 00073 | 517           | 25    | 105         | 647                                       |
| Average number of persons employed (a) | 190.0   |               |       | production) | sugaro recom                              |
| Males                                  | 8, 156  | 1,488         | 58    | 291         | 1, 837                                    |
| Females                                | 801     | 276           | 8     | 52 52       | 336                                       |
| Total                                  | 105.2   | 1,764         | 66    | 343         | 2, 173                                    |

(a) Including working proprietors.

## Sales in the trade

#### Larger establishments

| TA | BL | E | 23 |  |
|----|----|---|----|--|
|    |    |   |    |  |

| TADEL 20  |  |           |                           | State of the state of the state of the |                |                        |
|---|--|-----------|---------------------------|--|----------------|------------------------|
| Plast real wat  | England an   | d Wales   | Scot                      | land                                   | Great Br       | itain                  |
| 101 101   | Quantity   | Value     | Quantity                  | Value                                  | Quantity       | Value                  |
|   | Thous.   | £1000     | Thous.                    | £'000                                  | Thous.         | £1000                  |
| Principal products  |  |           | <u>19 p.s.k.t. 1.2008</u> |  |                |                        |
| Clocks, complete (excluding   |  | Mosi      | denomi                    | 1906                                   | TONTONED5 '91  |                        |
| time recorders)   |  |           | a storage 10              | bun andane.                            |                | LEY MEY                |
| Electric, including mains<br>operated, battery and<br>master clocks (with slave | w jan  | (0)       |                           | (a) {                                  | 543.6          | 787                    |
| dials)  |  | (a)       | -                         | (a) ]                                  | •••••          | 105                    |
| Other than electric   | 978.7  | 1,128     | 1,233.1                   | 590                                    | 2,211.8        | 1, 718                 |
| Time recorders  | 8.3  | 275<br>5  | }                         | - {                                    | 8.3            | 2 <b>7</b> 5<br>5      |
| Parts of clocks   |  |           |                           |  | in and the     | eusozó ur              |
| Clock movements, complete   |  | (a)       |                           | (a)                                    | 821.0          | 579                    |
| Clock cases   | 330.3  | 350<br>39 | -                         | - {                                    | 330.3          | 350 <sup>'</sup><br>39 |
| Other parts of clocks,  |  |           | a anna giai               | of smilt v                             | poan toni p    | Materials an           |
| excluding springs and glasses glasses   |  | (a)       |                           | (a)                                    | 8=.[dz(••====) | 443                    |
| Total clocks and parts (excluding springs and                                   | to a second and a second s |           |                           | Cassooa                                | insuent fior   | THEFTER ADA            |
| glasses)  |  | 3, 631    | · · · · ·                 | 671                                    | e ind but s    | 4,302                  |

## TABLE 23 - (contd.)

1303 331

| TABLE 23 - (CONTOR)   |          |
|---|----------|
| atha tra aceat art cata   | Eng      |
| Cost Quantity Cost  | Quan     |
| andore the state of the cool  | Th       |
| Principal products (contd.)   |          |
| Watches, complete   |          |
| Parts of watches  |          |
| Watch cases (wristlet or pocket type)   | { 2      |
| Watch movements complete and<br>other parts (excluding<br>springs, glasses and jewels | 1 16.    |
| Repair work on customers' good  | .s       |
| Work done for the trade or on commission  |          |
| Total principal products  |          |
| Other output  |          |
| Jewellery, gem-set or not   |          |
| Scientific instruments and apparatus, and parts                                       | le are a |
| Time switches   |          |
| Electric lighting accessories   |          |
| Radio, telecommunications and electronic apparatus                                    |          |
| Parts and accessories of<br>motor vehicles  |          |
| Machinery and parts   |          |
| Other goods   |          |
| Waste products sold   | -        |
| Total   |          |
| (a) Owing to the risk of dis cannot be given.   | closure  |
| (b) Amount charged.   |          |
|   |          |
| Do 5000/4   |          |
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5/I/18

Scotland Great Britain gland and Wales Quantity Value Quantity Value Value ntity £'000 £'000 £'000 Thous. nous. Thous. 716.5 997 (a) (a) .. .. 249.9 3 25 249.9 325 --30 30 .. .. (a) 86 (a) ... .. ... (a) 227 (b) (a) 112 -112(b) 1,403 6,080 4,677 1 1 -.. .. .. 92 92 -.. •• .. 124 124 -.. .. .. 101 -101 .. .. .. 96 96 -•• •• .. 259 259 -.. •• •• 135 (a) (a) .. .. •• 51 250 199 .. .. .. 33 13 20 .. •• .. 1,468 7,172 5,704

of information relating to individual firms, separate figures

PRECISION INSTRUMENTS, JEWELLERY ETC. COUNTRY TABLES

Purchased materials and fuel

Larger establishments

TABLE 24

5/1/20

| TABLE 24  |                          |                |                          |             |                            |                      |
|---|--------------------------|----------------|--------------------------|-------------|----------------------------|----------------------|
| IN STATISTICS IN STATISTICS                               | England ar               | nd Wales       | Scotla                   | and         | Great Br                   | itain                |
|   | Quantity                 | Cost           | Quantity                 | Cost        | Quantity                   | Cost                 |
| £1000 Dona. 21000   | .auciff                  | £1000          | Thouse                   | £'000       | Th. ozs.                   | £'000                |
| Materials   |                          |                |                          | (,,bam      | troy                       |                      |
| Gold and silver   | ••                       | (a)            | ••                       | (a)         | 49.6                       | 116                  |
| A Mended Lands and a second second                        |                          |                |                          |             | Thous.                     |                      |
| Parts of clocks   |                          | 1              |                          |             |                            |                      |
| Clock cases   |                          | - 05.<br>- 05. | 10.10.405<br>**          | Ter or      | n cases (wris<br>ket sysel |                      |
| Of wood   | ••                       | (a)            | ••                       | (a) .       | 200.6                      | 151                  |
| Of plastics   |                          | (a)            | kane                     | (a)         | 101.2                      | 22                   |
| Of Other materials  | ••••••••                 | (a)            | webt d.*                 | (a)         | 1, 111.7                   | 22                   |
| Clock movements, complete                                 | ••                       | (a)            | ••                       | (a)         | 521.7                      | 236                  |
| Parts of watches  |                          | (2)841         | 1                        |             | ing a second               |                      |
| Watch cases, and watch                                    |                          | 6, 674         | Duantation               | roducte:    | i principal p              | ador                 |
| movements, complete                                       | ••                       | (a)            | ••                       | (a)         | 595.2                      | 150                  |
| Packing materials   | • •                      | 30             | ••                       | 23          | ory, gen-set               | 53                   |
|   |                          |                |                          | Das-231     | Th. cwts.                  |                      |
| Clock brass, except finished                              | and the second second    | (0)            |                          | (a)         | 30.1                       | 278                  |
| parts   |                          | (a)            | ••<br>                   | (a)         | Benos Iv                   | 210                  |
| Other parts of clocks,<br>including glasses               | ••                       | (a)            |                          | (a)         | a galadali el              | 684                  |
| Other parts of watches,                                   |                          |                |                          | bna anolar  |                            |                      |
| including glasses   | **•                      | (a)            | 1.1.1.1                  | (a)         | ronie apparat              | 315                  |
| Timber of all kinds                                       |                          | acos           | -                        | TO at       |                            |                      |
| (including veneers, plywood, etc.) other than for packing |                          | 70             | -                        | -           | adraka bas bras            | 70                   |
| All Other purchased materials                             |                          | 892            |                          | 177         |                            | 1,069                |
|   | Th. tons                 |                | Th. tons                 | (1)         | Th. tons                   |                      |
| Fuel and electricity<br>Coal                              | 1.8                      | 6              | 1.4                      | - 4         | 3.2                        | 10                   |
| Coke  | 1.8                      | 1077           | 1                        |             | 1.8                        | LJOT 7               |
| CURE  |                          |                |                          |             |                            |                      |
|   | Th. B.T.U.<br>(kW. hrs.) | les actan      | Th. B.T.U.<br>(kW. hrs.) | isk of diad | Th. B. T. U.<br>(kW. hrs.  | (a) <sup>666</sup> 0 |
| Electricity purchased and electricity obtained from       |                          |                |                          | all.        |                            |                      |
| other works under the same                                |                          | 1.000          | 1 1100                   |             | begriede Jhuog             | A-70 (d)             |
| ownership (b)   | 5,328                    | 33             | 1,768                    | 7           | 7,106                      | 40                   |
|   |                          |                |                          |             |                            |                      |
|   |                          | 124            |                          |             |                            |                      |

TABLE 24 (contd.)

|   |           | England ar | nd Wales         | Scotland        |                       | Great Britain                      |                                 |
|---|-----------|------------|------------------|-----------------|-----------------------|------------------------------------|---------------------------------|
|   | QI        | uantity    | Cost             | Quantity        | Cost                  | Quantity                           | Cost                            |
| uel and electricity (Contd.)  | Th.       | galls.     | £'000            | Th. galls.      | £'000                 | Th. galls.                         |                                 |
| Motor spirit (petrol) and derv. fuel  | Constant. |            | ug et avd        | A LA BATOT      | estuices<br>Lectuices | AVORAGE<br>S Damber S              |                                 |
| Used for road vehicles  |           | 38         | 4                | 3               | opinicio-             | 41                                 | 4                               |
| Used for other power<br>purposes  |           |            | (a)              |                 | (a)                   |                                    | 2                               |
| Other oil fuel (including creosote/pitch mixtures)                              | 20        |            | (a) <sup>,</sup> | TT.             | (a)                   | 161                                | 7                               |
| Gas purchased   | Th        | . therms.  |                  | . Th. therms.   |                       | Th. therms.                        | 47                              |
| From public supply  | 1 1 050   | 248<br>-   | 11               | 50              | 2                     | 298<br>-                           | 13                              |
| Gas obtained from other<br>works under the same<br>ownership                    | 120       | - 3        | -                | -               | àð                    |                                    | Congess<br>L and <del>-</del> J |
| All other purchased fuel  | (a) (c)   |            | 1. 1559          | 16374           |                       |                                    | - <u>-</u>                      |
| Total   | -000 80-0 | 12000 1211 | 2,423            |                 | 825                   | GAGESDO MACO                       | 3, 248                          |
| (a) Owing to the risk of di cannot be given.                                    | lsclosure | of inform  | ation relat      | ting to individ | iual firms,           | separate figur                     | res                             |
| (b) The total quantity of e<br>3,347,000 generated in<br>was 1,816,000 B.T. uni | the sam   | e works.   | The total        | quantity of el  | lectricity            | 0 B.T. units in<br>consumed in Sco | ncluding<br>otland              |
|   |           |            |                  |                 |                       |                                    |                                 |
|   |           |            |                  |                 |                       |                                    |                                 |
|   |           |            |                  |                 |                       |                                    |                                 |

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WATCH AND CLCCK COUNTRY TABLES Purchased materials and fuel Larger establishments

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#### PRECISION INSTRUMENTS, JEWELLERY ETC. COUNTRY TABLES

Employment and remuneration

#### Larger establishments

#### Private Firms

TABLE 25

5/1/22

|  | England and Wales                  |   |                       | Scotland                           |   |                          | Great Britain                      |  |                              |  |
|--|------------------------------------|---|-----------------------|------------------------------------|---|--------------------------|------------------------------------|--|------------------------------|--|
|  | Average<br>number of<br>operatives | Administra-<br>tive<br>technical<br>and<br>clerical<br>employees<br>(a) | Total                 | Average<br>number of<br>operatives | Administra-<br>tive<br>technical<br>and<br>clerical<br>employees<br>(a) | Total                    | Average<br>number of<br>operatives | and the second | Total                        |  |
| Males<br>Under 18<br>All ages<br>Females<br>Under 18 | 259<br>3,499<br>203                | 18<br>792<br>67<br>475  | 277<br>4,291<br>270   | 49<br>385<br>72                    | -<br>106<br>5<br>102  | 49<br>491<br>77<br>1,056 | 308<br>3, 884<br>275               | 18<br>898<br>72  | 326<br>4,782<br>347<br>4,058 |  |
| All ages<br>Total<br>Under 18<br>All ages            | 2,527<br>462<br>6,026              | 85<br>1,267 (b)   | 3,002<br>547<br>7,293 | 954<br>121<br>1, 339               | 5<br>208(b)   | 126<br>1,547             | 3,481<br>583<br>7,365              | 90<br>1,475  | 673<br>8,840                 |  |
| Total  | £'000                              | £'000   | (b) (c)<br>£1000      | £'000                              | £'000   | (b)(c)<br>£'000          | £'000                              | (b)<br>£'000   | (b) (c)<br>£'000             |  |
| Total remuneration                                   | 1, 547                             | 611   | 2,258                 | 293                                | 102   | 394                      | 1,940                              | 712  | 2,652                        |  |

(a) Number at September 25, 1948.

(b) There were, in addition, 15 working proprietors (14 males, 1 female) in England and Wales.
(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 £64,000; £54,000 for England and Wales, and £11,000 for Scotland.

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

| T SUCLOP !!       | Average numb | , 70       |          |                                       |  |
|-------------------|--------------|------------|----------|---------------------------------------|--|
| atomas            | Males        | Females    | Total    | Total amount<br>paid to<br>outworkers |  |
|                   |              |            | 4        | £1000                                 |  |
| England and Wales | 2            | 16         | 18       | 2                                     |  |
| Scotland          | -            | The Bellet | - THE BA | -                                     |  |
| Great Britain     | 2            | 16         | 18       | 2                                     |  |

All Government Departments establishments classified to this trade, were situated in England. Particulars of employment and remuneration therein, are given in Table 15 (11)

|     | TABLE 26 |   |
|-----|----------|---|
| - C |          | 1 |

|          | Monthly index (a)       |          |                  |  | Monthly Index (a)       |          |                  |  |
|----------|-------------------------|----------|------------------|--|-------------------------|----------|------------------|--|
| Month    | England<br>and<br>Wales | Scotland | Great<br>Britain | Month  | England<br>and<br>Wales | Scotland | Great<br>Britain |  |
| 1948     |                         |          |                  | 1948   |                         |          |                  |  |
| January  | 110.3                   | 98.2     | 108.6            | August   | 96.9                    | 101.4    | 97.6             |  |
| February | 108.1                   | 86.2     | 104.8            | September  | 93.9                    | 102.0    | 95.1             |  |
| March    | 103.0                   | 86.2     | 100.5            | October  | 94.6                    | 107.0    | 96.5             |  |
| April    | 102.3                   | 95.0     | 101.2            | November   | 94.4                    | 114.5    | 97.5             |  |
| May      | 102.9                   | 99.1     | 102.3            | December   | 94.2                    | 112.7    | 97.0             |  |
| June     | 101.9                   | 99.3     | 101.6            | Boncontago   |                         |          | A CONTRACTOR OF  |  |
| July     | 97.3                    | 97.5     | 97.4             | Percentage<br>employment in<br>this trade<br>covered by<br>the index | 40•4                    | 32.9     | 39.1             |  |

(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.

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#### WATCH AND CLOCK COUNTRY TABLES

5/1/23

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

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