## The Report on the

## Census of Production

$$
\text { for } 1954
$$

## Volume 5: Industry L

MUSICAL INSTRUMENTS


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

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The Report on the Census of Production for 1954

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VOLUME 5, industry l MUSICAL INSTRUMENTS
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THIS REPORT relates to establishments engaged wholly or mainly in the manufacture of pianos, organs and other musical instruments. The manufacture of gramophone records is included, but the manufacture of gramophones is excluded, the latter being covered by the Radio and Telecommunications Industry.

This industry corresponds to minimum list heading 103 in the Standard Industrial Classification

The following notes describe terms in general use
in the tables of the report. More detailed explana-
tions of the terms used and adescription of the and



Industrial Classification: Establishments are classi Ied to industries according to the nature of their out
ut and. as far as possible. in conformity with the put and. asduat as
Standard Industial Classification. Certain products
are identified as the principal products of individual industries. the principal products for a qiven industry
being of a sinililar nature or commont asociated in pro-
duction.
The principle of classification no duction. The principle of classification normplly
folloued is that an establishment is clasified io
industry if its output of the principal products of that

Specialist producers normally comprise those entablishSpecialist producers normaliy comprise those establish-
ment so per cent. or more of whose total output by
value is accounted for by the characteristic products of value is accounted for by the characteristic products of
the specialist group. Intermediate products: For some industries figures are
given shoming the total quantities made during the fear
git interne of intermediate products, i.e io products which may be
further processed in the estabiishments in which they are produced.
Larget establi ishments: The information given in the re-
port relates mainly to
Iarger establishments.
 than 10 persons. Tn most cases an establishment com-
prises the whole of the prenises under the same onner-
ship or management at a particular address (e.g.e a mine

 Small firms are those employing on the average 10 or
ever persons

The estimates for the industry as a whole given ir tems shown in the same proportion as total employment Gross output (production) is the total value of goods
made and other work done uring the year: ik is obtain-
隹 od by adjusting the value of sales and work done during
the year for changes in the value of stocks of proaiacts the year for changes in the value of
on hand for sale and work in progress.
Net output is the amount left after deducting from the
value of gross output the aggregate of the cost of mat-
 and for 1951 and 1954. any transport payments made.
This represents the value added to materials by the pro-
cess of production, and constitutes the fund from which
 Sales means sales during the year of goods made in the
establis hment covered by the return or made on commiss
 delivered bsis. and net of any trade diaconts, agents.
commissions allowances for veturnable canes. parchase
tax, etc. For goods charged on $a$ dolivesed basis to to tax. otc. For goods charged on a dolivered baris to
cutome overseas. firms were required to give the
foob. value.
Materials and fuel: The total cost of materials and
fual purchased inciudes all purchases during the year
fuel purchased inciude a all purchases of waring the year
of materials for use in productiona and of fuel (includ-
ing oil. gas and electricity) for all purposes. packing
materiais. including the full cost of returnable cases
mater when first purchased. Norkhop and office materiass:
water charges: materials for repairs to building water chargesi materials for repairs to buildings.
plant and venicles when carried out by firms in on ork
people included in their returna: consumabe tools. people included in their returns: consumable tools:
and parts for machinery purchased as replacenents
aurchases of goods for mexchanting are excluded. The
 year in the value of stocks.
Stods: Firms were required to give stocks of materials
and fuel products on hand for sale. and work in pro-
gress, at incometax wand gress. at income tax values. Customs and Excise Duty paid on materials purchased is
normally included in the cost of materials. Finished goods are similarly valued as they were sold. duty-paid
or duty-free. he net anoun or any duty paid is de-
ducted in arriving at net output.
 and operatives, but excludes outworkers. canteenp employ.
ees and persons engaged in merchanting or any other ac. tivity not covered by a firms rint rin. ohy are show
separately as excluded employees.
Employees are per.
 surance cards were held.
full-time or part-time.
Morking proprietors are proprietors of businesses other
than limited companies. together with members of the ir than limited companies. toge ther with members of their
families who worked in the busines in ithout receiving
fixed wages or salaries. Any persons working less than

 Administrative, technical and clerical employes include


 men and tracers: trav.
works office) employees.
Operatives include all other classes of employees, i.e.
broadly speaking, all manual workers. Outworkers are persons employed by the firm who work on
materials supplied by the firm in their own homes. Wages and salaries include all overtime payments, bonus-
es and commissions without any deductions for income tax, es and comisions without any deductions for income tax,
insurances. oontributory pensions etc. They exclude
payments to working proprietors. payments to working proprietors. Capital expendi bure includes expenditure on new building
york. and on plant. machinery and vehicles. charged to
capital account during the ere
 ture in respect of establishments in Great Britain wich
had not be qun production hefore the end ot the year
(which has not previously been included in the Census had not be gun production before the end of
(which has not previously ben included in the
Production reports for individual industries).

## Symbols used:

for not available
for nil or negligible (less than half the final
digit shown)
Where figures are rounded, e.g. given to the nearest $\varepsilon$ thousand. there may be aparent slight discrepan-
cies between the sums of constituent items and the to als shown In some cases. figures have ben combine
ither others of similar nature here publication separate details might disa
an individual undertaking.

TABLE 1 Industry summary: Estimates for the industry as a whole

|  | United Kingdom |  |  | $\begin{gathered} \text { Scotland } \\ 1954 \end{gathered}$ | $\underset{\text { Wales }}{1954}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1948 | 1951 | 1954 |  |  |
|  | £ million | £ million | Emillion | £ million | £ million |
| Gross output (production) | 9.2 | 10.5 | 13.2 | 0.09 | 0.20 |
| Net output | 5.7 | 5.5 | 6.9 | 0.07 | 0.10 |
| Total stocks and work in progress At beginning of year Change during year | $\begin{array}{r}2.9 \\ +\quad 0.4 \\ \hline\end{array}$ | 2.8 $+\quad 1.0$ | 3.2 $-\quad 0.2$ | [ $\begin{array}{r}0.04 \\ -\quad 0.02\end{array}$ | 0.04 $+\quad 0.01$ |
| Capital expenditure less disposals (a) | 0.2 | 0.2 | 0.4 | . | 0.01 |
| Wages and salaries | 2.6 | 3.0 | 3.8 | 0.04 | 0.09 |
| Total employment (including | Thousands |  | Thousands | Thousands | Thousands |

(a) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948 ) that incurred in Great Britain for estab
machinery and vehicles disposed of.

| TABLE 2. |
| :--- |

[^0] (55192)

Larger establishments in the United Kingdom

| Average number employed (a) | $\begin{array}{\|l\|l} \text { Estab- } \\ \text { lish- } \\ \text { ments } \end{array}$ | $\begin{aligned} & \text { Gross } \\ & \text { output } \end{aligned}$ | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | Employees |  | Wages and salaries |  | $\begin{array}{\|c\|} \hline \text { Capital } \\ \text { expenditure } \\ \text { (b) } \end{array}$ | $\|$Net output <br> per person <br> employed <br> (a) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Operatives | Others | Operatives | others |  |  |
|  | Number | \&'000 | £ 000 | Number | Number | £. 000 | \&. 000 | £. 000 | $\varepsilon$ |
| 11-24 | 32 | 638 | 345 | 472 | 78 | 182 | 41 | , | 617 |
| 25-49 | 32 | 1.293 | 664 | 960 | 113 | 404 | 63 | 24 | 614 |
| 50-99 | 15 | 1.182 | 753 | 926 | 148 | 365 | 100 | 68 | 701 |
| 100-299 | 13 | 2.582 | 1.386 | 1.738 | 255 | 724 | 141 | 85 | 695 |
| 400 and over | 3 | 6,068 | 3.011 | 1.970 | 1.030 | 891 | 526 | 226 | 1,004 |
| Total | 95 | 11.764 | 6.159 | 6,066 | 1,624 | 2.565 | 872 | 411 | 799 |

(a) Excluding outworkers and including working proprietors
(b) Capitan expenditure on nem building work and on acquisition of plant, machinery and vehicles
excluding expenditure for establishments not yet in production.

Analysis according to specialisation within the industry, 1954 Larger establishments in the United Kingdom

|  | Unit | Specialist producers of pianos. organs (including organs rebuilt and piano and organ tuning and repair) | Remainder of the industry industry | Total |
| :---: | :---: | :---: | :---: | :---: |
| Number of establishments Total value of sales and work done |  | 73 4.403 | 22 7.421 | 11,824 ${ }^{95}$ |
| Total arlue of sales and work done |  | 4.265 |  |  |
| Products on hand for sale ( $\begin{aligned} & \text { at beginn ing of year } \\ & \text { change during year }\end{aligned}$ | ". | 668 38 | 700 21 | - $\begin{array}{r}11.369 \\ -60\end{array}$ |
| and work in progress ${ }_{\text {a }}^{\text {and }}$ (ross output (production) |  | 4.365 | 7.399 | - 11.764 |
| Purchases of materials and fuel ${ }^{\text {a }}$ ( | " | 1.867 | 2.270 | 4.138 |
| Stocks of materials and fuel $\left\{\begin{array}{l}\text { at beginning of year } \\ \text { change during year }\end{array}\right.$ | ". | 663 28 | 871 $-\quad 132$ | 1.534 $-\quad 104$ |
| Cost of materials and fuel used |  | 1.840 | 2.402 | 4.242 |
| Amount of artistes ${ }^{\circ}$ royalties and fees and copyright payments <br> payment for work done on materials given out | ". | ${ }_{6}^{4}$ | 1. 205 | 1.210 |
| Payment Payment for transport | ." | 65 | 61 | 126 |
| Net output |  | 2.450 | 3.709 | 6.159 |
| Average number of employees $\left\{\begin{array}{l}\text { operatives } \\ \text { others }\end{array}\right.$ | No. | $\begin{array}{r}\text { 3, } \\ \hline\end{array}$ | 1.224 | ${ }^{6} .624$ |
| Total employment (a) employed (a) Net output per person emple |  | 3.763 651 | 3.945 | ${ }^{7} 7.708$ |
| \{of operatives | \&'000 | 1.393 | 1.172 | 2. 565 |
| Wages and salaries \{of others | $\ldots$ | 247 | 626 | 872 |
| Capital expenditure New building work (b) |  | 15 | 39 | 53 |
| Plant and machinery $\quad\left\{\begin{array}{l}\text { acquisitions } \\ \text { disposals }\end{array}\right.$ | . | 56 | ${ }^{248}$ | ${ }^{305}$ |
|  | ". | 25 | ${ }_{28}$ | ${ }_{53}$ |
| \{disposals | . | 10 | 10 | 20 |

[^1]TABLE 5

|  | 1951 |  | 1954 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Entries |
| Pianos and parts thereof | Number | 8.000 | Number | \&.000 | Number |
| Complete (except reconditioned pianos) Parts | 18.211 | 1.829 | 20.458 | 2.112 | 23 |
| Kepboard sets | 20.273 | 134 | 29,994 | 196 | 5 |
| Actions |  |  | 26,512 | 263 |  |
| Other parts (a) | . | 335 |  | 226 | 16 |
| Organs and harmoniums and parts thereof |  |  |  |  |  |
| Complete (except rebuilt organs) | 147 | 252 | 330 | 335 | 17 |
| parts and fittings | .. | 101 | .. | 98 | 13 |
| Stringed musical instruments, including parts and accessories (except strings wholly of gut) but excluding reconditioned instruments | .. | $73^{3}$ | .. | 56 | 6 |
| Wood and metal wind instruments |  |  |  |  |  |
| Complete (except reconditioned instruments) | 45.4 | 287 | ${ }_{37}$ | 363 | 6 |
| Parts and accessories | .. | 31 | .. | 23 | 5 |
| Percussion instruments | No. |  |  |  |  |
| Complete (except reconditioned instruments) | No. | 106 | ${ }_{45}{ }^{\text {No. }} 541$ | 165 | 6 |
| parts and accessories | .. | 63 | .. | 94 | 5 |
| Musical instruments (excluding gramophones and reconditioned instruments) and parts and accessories, not elsewhere specified |  |  |  | 131 | 6 |
| Gramophone records |  |  | Th. |  |  |
| Musical | .. | 3.602 | 38.627.3 | 5,578 |  |
| Cther |  |  | 855.1 | 57 |  |
| Musical instruments reconditioned and re-sold |  |  |  | 75 |  |
| Piane | 6,548 | 405 | 7.884 | 360 |  |
| Pianos | 6.540 | 82 | .. | 51 | \} 18 |
| Other | .. | 25 | 612 | 13 | .. |
| Biscuits (gramophone record blanks), so far as recorded separately; matrices impressed for the reproduction of gramophone records. | .. | 156 (b) | .. | 885 |  |
| Waste products | .. | 21 | .. | 27 | 14 |
| Work done for the trade or on commission (c) |  | 15 |  | 63 | .. |
| Repairs (including renovations, upkeep and tuning of musical instruments) (c) |  |  |  |  |  |
| Organs rebuilt | 202 | 251 | 168 | 320 | 24 |
| Other |  | 481 |  | 386 | 41 |
| Total |  | 8.250 |  | 11.878 | .. |
| Sales in other industries (see Table 6) |  | 41 |  | 429 |  |
| Principal products of this industry sold by establishments in the industry |  | 8. 209 |  | 11.449 | 95 |

(a) Excluding piano frames of cast iron (included in Iron Foundries. Volume 3. Industry C) and piano wire (b) Not including other intermediate products and recording tape.
(c) Amount charged.
(c) Amount charged.

|  | $\underline{1954}$ |  |  | rincipal <br> industries in <br> which produced (a) |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | vaiue | Entries |  |
| Musical instruments and parts, including biscuits (gramophone record blanks) | .. | $\begin{gathered} £ .000 \\ 424 \end{gathered}$ |  | 31, 5E, 3K, 11I |
| Repairs (including renovations, upkeep and tuning of musical instruments) other than organs rebuilt (b) | .. | 5 | .. |  |
| Total |  | 429 | .. |  |

Sales in the industry of other than principal products Larger establishments in the United Kingdom

|  | 1954 |  |
| :---: | :---: | :---: |
|  | Quantity | Value |
|  |  | ¢. 000 |
| Furniture mainly of wood | .. | 19 |
| Other manufactures of timber | .. | 88 |
| Other goods | .. | 239 |
| Work done (a) | .. | 29 |
| Total | .. | 375 |


|  | 1951 | 1954 |
| :---: | :---: | :---: |
|  | Number | Number |
| Average nuniber of employees Operatives Administrative, technical and clerical employees | 5.902 990 | 6.066 1.624 |
| Total | 6.892 | 7.690 |
|  | \& 000 | ¢. 000 |
| Operatives <br> dministrative, technical and clerical employees | 2. ${ }_{521}$ | ${ }^{2} .5655$ |
| Total | 2.608 | 3,438 |
|  | £ | $\varepsilon$ |
| Wages and salaries per head Operatives <br> Administrative, technical and clerical employees | 354 526 | 423 ¢ ¢ 000 |
| Superannuation and other pension funds for employees and dependents (b) |  |  |
| Employers' contributions | .. | ( $\begin{array}{r}51 \\ \text { Number }\end{array}$ |
| Employses covered | .. | $\begin{aligned} & \text { Number } \\ & \varepsilon_{2} .6001 \end{aligned}$ |
| Pension, etc. payments to former employees and dependents (b) | .. | 8 |



E. Slate Quarries and Mines
E. Metoliferous Mines and Quarries
F. Brick and Fireches and
G. China and Earthentere


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[^0]:    (a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold.
     cover payments for trans port of both fin
    c) Number in meek ended September 25. 1948.
    d)
    (d) Excluding outworkers and including working proprietors.
    (e) Excluding expenditure for establisments not yet in production.
    (f) Excluding Norning Northern Ireland. No information ebout small firms was collected in Northern Ireland for
    (f)

[^1]:    

