This Report on the Miscellaneous Manufacturing Industries relates to establishments engaged wholly or mainly in manufacturing pianos (including automatic and player pianos), all types of wind, string and percussion instruments including electronic musical instruments (but not including gramophones and gramophone records); button and button moulds, imitation jewellery, incandescent mantles, firelighters, granulated peat and peat products, certain types of fancy articles and miscellaneous products not reported on elsewhere. The repairing, rebuilding and tuning of organs and the purifying and dressing of feathers and down are also included.

This industry corresponds to minimum list heading 499 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census.

The industry corresponds to the Miscellaneous Manufacturing Industries (Part 125) in the Reports on the last detailed Census of Production for 1963 except that matches are now included in the Explosives, Fireworks and Matches Industry (Part 39), and transparent regenerated cellulose film in the Synthetic Resins and Plastics Materials and Synthetic Rubber Industry (Part 34). In addition buttons and button moulds of plastic and imitation jewellery previously included in the Plastics Moulding and Fabricating Industry (Part 124) and the Jewellery, Plate and Ref ining of Precious Metals Industry (Part 73) respectively, are now included in this report.

Throughout this Report, the figures given for 1963 have been reclassified, as far as possible, according to the Standard Industrial Classification (Revised 1968) so that data for 1963 and 1968 are on the same industrial basis. However the reclassification of small firms which provided limited information only, has been arbitrary.

In this industry, where small establishments account for a relatively large proportion of employment and output, establishments employing fewer than twentyfive persons were asked to complete a simplified version of the full census form.

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

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ABLE 1 Industry summary, 1963 and 1968 United Kingdom

|  | Unit | All establishments <br> (a) |  | Small establishments <br> (b) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1963 | 1968 | 1963 | 1968 |
| Number of enterprises | No. | 749 | 775 | 623 | 634 |
| Number of establishments |  | 814 | 841 | 634 | 663 |
| s output | £'000 | 38, 297 | 58,221 | 9,986 | 15,906 |
| Net output |  | 20,601 | 31,076 | 4,762 | 8,233 |
| Net output per head | £ | 935 | 1,430 | 893 | 1,414 |
| (es and work done $\{$ goods produced and work done (c) | $£^{\prime} 000$ | 35,696 | 54,337 | 9,234 | 14,666 |
| Sales and work done $\{$ merchanted goods and canteen takings | " | 2,226 | 3,512 | 709 | 1,125 |
| Purchases $\quad\left\{\begin{array}{l}\text { materials for use in production and } \\ \text { packaging, and fuel }\end{array}\right.$ | " | 15,490 | 22,883 | ] 4,958 \{ | 6,137 |
| Purchases $\quad\left\{\begin{array}{l}\text { goods for merchanting and canteen } \\ \text { purchases }\end{array}\right.$ | " | 1,610 | 2,678 | ] | 845 |
| for mork done on materials given out | " | 468 | 1,071 | 244 | 523 |
| Payments to other organisations $\left\{\begin{array}{c}\text { for transport } \\ \text { by road }\end{array}\right.$ | n | $1$ | 670 | ] [ | 176 |
| Total stocks and $\quad\{$ change during year | " | + 740 | + 706 | + 143 | + 171 |
| work in progress at end of year | " | 7,641 | 11,136 | 1,723 | 2,308 |
| Goods on hand $\quad$ change during year | * | + 187 | $+\quad 187$ | + 61 | + 59 |
| for sale $\quad\{$ at end of year | * | 1,911 | 2,753 | 607 | 552 |
| (thange during year | " | + 187 | + 184 | - 18 | + 55 |
| Hork in progress $\left\{\begin{array}{l}\text { at end of year }\end{array}\right.$ | " | 2,215 | 2,793 | 294 | 463 |
| Materials, stores $\{$ change during year | " | + 365 | + 335 | $+\quad 100$ | + 57 |
| and fuel <br> \{ at end of year | " | 3,515 | 5,591 | 821 | 1,294 |
| Nerer $\quad$ total, including working proprietors | Th. | 22.0 | 21.7 | 5.3 | 5.8 |
| $\begin{aligned} & \text { Number employed } \\ & \text { average during } \end{aligned}$ <br> \{operatives |  | 17.9 | 17.4 | 3.8 | 4.3 |
| the year $\quad$ other employees (d) |  | 3.2 | 3.4 | 0.7 | 0.7 |
| [ of operatives | £’000 | 9,002 | 11,873 | 1,918 | 3,044 |
| Nages and salaries \{ of other employees (d) | " | 2,734 | 4,027 | 583 | 715 |
| Capital expenditure (e) |  |  |  |  |  |
| Total |  | 1,342 | 1,517 | 296 | 376 |
| New building work |  | 313 | 362 | 73 | 82 |
| Land and existing buildings (f) |  | 25 | - 77 | - 14 | 12 |
| Plant and machinery (f) |  | 780 | 968 | 134 | 187 |
| Vehicles (f) |  | 225 | 264 | 104 | 119 |

(a) For 1968 estimates are based on returns covering 86 per cent. of the employment shown. For 1963 the comparable figure was 84 per cent.
For 1968 estimates are based on returns covering 60 per cent. of the employment shown. For 1963
the corresponding figure was 43 per cent. the corresponding figure was 43 per cent.
Including services rendered to other organisations (amounts charged for hiring out plant, machinery
or other goods, for providing transport, or for technical or other services rendered).
(d) Administrative, technical and clerical employees.
(d) Administrative, technical and clerical employees.
(e) Excluding expenditure for establishments not yet in production.
(e) Excluding expenditure for est
(f) Acquisitions less disposals.

TABLE 2 Analysis by size of establishment within the industry, 1968
() Output and employment

All establishments: United Kingdom

| Number enployed on average during the year by the est abl i ishm est abli shment (a) | Est abmen'ts | $\begin{aligned} & \text { Enter } \\ & \text { prises } \\ & \text { (b) } \end{aligned}$ | Total number employed on average during the year (a) | $\begin{gathered} \text { Gross } \\ \text { output } \end{gathered}$ | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | Net output per head |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | £000 | £'000 | £ |
| 1-5 | 295 | 288 | 877 |  |  |  |
| 6-10 | 142 | 136 | 1,146 | \} 5,906 (c) | 8,233(c) | 1,414(c) |
| 11-24 | 226 | 209 | 3,801 |  |  |  |
| 25-49 | 54 | 53 | 2,031 | 5,301 | 2,769 | 1,364 |
| 50-99 | 61 | 55 | 4, 185 | 12,112 | 6,301 | 1,506 |
| 100-199 | 30 | 27 | 4,013 | 9,587 | 5,810 | 1,448 |
| 200-299 | 10 | 10 | 2,325 | 7,279 | 3,527 | 1,517 |
| 400 and over | 4 | 3 | 2,703 | 6,324 | 3,508 | 1,298 |
| Unsatisfactory returns | 19 | 19 | 645 | 1,712(d) | 927 (d) | 1,435(d) |
| Total | 841 | 775 | 21,726 | 58,221 | 31,076 | 1,430 |

(ii) Employees, wages and sal aries

All establit shments: United Kingdom

| Number employed on average during the year by theestabl ishment (a) | Employees |  | Wages and salaries |  | Wages and salaries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Operatives | $\begin{aligned} & \text { Others } \\ & \hline \text { (e) } \end{aligned}$ | Operatives | 0 thers <br> (e) | $\begin{aligned} & \text { Oper- } \\ & \text { atives } \end{aligned}$ | $\begin{gathered} 0 \text { thers } \\ (\mathrm{e}) \end{gathered}$ |
|  | Number | Number | £'000 | $£^{\prime} 000$ | £ | £ |
| 1-5 |  |  |  |  |  |  |
| 6-10 | 4,334(c) | 748(c) | 3,044(c) | 715 (c) | 702(c) | 956(c) |
| 11-24 |  |  |  |  |  |  |
| 25-49 | 1,696 | 271 | 1,094 | 336 | 645 | 1,239 |
| 50-99 | 3,475 | 669 | 2,230 | 885 | 642 | 1,323 |
| 100-199 | 3,221 | 761 | 2,350 | 912 | 730 | 1,199 |
| 200-299 | 1,926 | 395 | 1,321 | 515 | 686 | 1,303 |
| 400 and over | 2,231 | 472 | 1,473 | 531 | 660 | 1,124 |
| Unsatisfactory returns | 532(d) | 107 (d) | 361(d) | 133(d) | 679(d) | 1,235(d) |
| Total | 17,415 | 3,423 | 11,873 | 4,027 | 682 | 1,176 |

(a) Including working proprietors.
(b) The sum of the figures for the size groups exceeds the total for the industry to
the extent that enterprises made returns for establishnents in more than one size group
(c) Estimates for all small establishments based on returns received.
(d) Estimates for unsatisfactory returns in respect of larger establishments
based on returns received.
(e) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)
All establishments: United Kingdom

| Ages | Mal es | Fenales | All employees |
| :---: | :---: | :---: | :---: |
|  | Per cent. | Per cent. | Per cent. |
| Under 18 | 4 | 4 | 8 |
| 18 and over | 49 | 43 | 92 |
| All ages | 53 | 47 | 100 |

The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of
Standard Industrial Classification, (Revised 1968).

Footnotes to Table 4.
(a) Some establishments employing fewer than 25 persons were included in returns for larger establi shments. The
amounted to 39 establ ishments in 1968 and 24 in 1963 .
(b) The method of classifying returns to sub-divisions of the The method of classifying returns to sub-divisions of the
industry is explained in the notes; the characteristic
products of each sub-division are identified in products of each sub-division are identified in Table 5(i).
(c) Including services rendered to other organisations (amounts chargeviding transport, or for technical or other
for provid
services rendered).
services rendered).
(d) Direct sales of goods (excluding canteen takings) made to,
and work done for, the general public by larger establish--

Characteristic products relate only to specific sub-divisions
(e) Characteristic p.
(f) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sal es of goods
produced and work done. For the industry as a whole, produced and work done. For the industry as a whole,
this is the ratio of total sales of principal products by
the indust this is the ratio of total sales of principal product
the industry to total sales of goods produced and
(g) Administrative, technical and clerical employees.
(h) Excluding expenditure for establishments not yet in
(i) Acquisitions less disposals.

TABLE 4 Analysis of larger establishments, 1963 and 1968
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)


TABLE 5(i) Estimates of total sales of principal products of the industry 1963 and 1968
All establishments: United Kingdom (a)


(a) Including estimated figures for establishments not making satisfactory returns
(b) Including sales of principal products of the industry, by larger establishments, but not by small establishments, classified to other industries. For a detailed anal
larger establishments see Table $5(i i)$.
c) Excluding small establishments included in returns by larger establishments.
(d) For 1963, including repairs, renovations, upkeep and tuning, where not recorded separately
(e) For 1963, small cases of leather or leather substitutes, or of fibreglass, were not
report on Jewellery, plate and refining of precious metals industry
(f) For 1963 , included in the report (g) Including any sales by small establishments of goods other than principal products of the
industry but excluding merchanted goods, canteen takings and the value of services rendered to other organisations.

TABLE 5(ii) Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968
Establi ishments employing 25 or more persons:
Analysis of returns received, United Kingdom

| Industry |  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { division } \\ & (\mathrm{a}) \end{aligned}$ |  | Quantity | Value | Quantity | Value | Enter- | Entries |
| 10 | Musical instruments (excluding gramophones) <br> New instruments <br> Pianos (including automatic) and parts thereof | Number | £’000 | Number | £'000 | Number | Number |
|  | Complete pianos | 13,536 | 1,778 | 13,896 | 2,352 | 9 | 9 |
|  | Parts and accessories (including keyboard sets and actions) |  | 760 |  | 866 | 8 | 8 |
|  | 0 rgans and harmoniums (including automatic) and parts thereof |  |  |  |  |  |  |
|  | Complete pipe and reed organs and harmoniums | 92 | 263 | 79 | 328 | 8 | 8 |
|  | Complete electronic organs | 1,937 | 834 | 4,436 | 1,688 | 5 | 5 |
|  | Parts and accessories (including complete electronic keyboards) |  | 269 |  | 367 | 11 | 11 |
|  | Percussion instruments complete | 61,939 | 449 | 1,526 | 525 | * | * |
|  | Stringed instruments complete |  |  |  | 62 | * | * |
|  | Wind instruments and other musical instruments complete, including whistles |  | 743 |  | 1,206 | 5 |  |
|  | Parts and accessories (including strings) other than for pianos, organs and harmoniums; and musical instruments reconditioned and re-sold |  | 596 |  |  |  | 5 |
|  | Total musical instruments |  | 5,692 |  | 8,043 | .. | .. |
| 20 | Fancy articles, etc <br> Small cases of all kinds (eg beauty and manicure cases, spectacle cases and cases for cutlery, scientific and surgical instruments and the like) other than of leather or leather substitutes, plastics and fibreglass (b) | Thousands959,653 | 2,331 | Thous ands 449, 565 | 1,630 | 30 | 30 |
|  |  |  |  |  |  |  |  |
|  | Buttons and button moulds (other than of metal or glass) |  | $\begin{array}{r} 1,914 \\ 528 \end{array}$ |  | $\begin{array}{r} 1,637 \\ 546 \end{array}$ | $\} 20$ | 20 |
|  | Imitation jewellery (including fashion and costume jewellery, and imitation pearls) |  | (c) |  | 3,043 | 17 | 17 |
|  | 0ther than wholly or mainly of plastics materials |  |  |  |  |  |  |
|  | Haberdashery and accessories (except buttons) and components thereof |  |  |  |  |  |  |
|  | Toilet requisites |  |  |  |  |  |  |
|  | Powder compacts (including parts thereof) |  | 857 |  | 1,516 | 7 | 8 |
|  | Other (excluding toilet brushes and cases) |  | 2,197 |  | 3,312 | 11 | 12 |

CABLE 5(ii) (continued)


The number given is that of the sub-division of which the item is a characteristic product. The sale
shown are total sales by larger establishments, not merely sales by establishments classified to the shown are tota.
sub-division.
For 1963, small cases of leather or leather substitues, or of fibreglass, were not specifically excluded
For 1963, included in the rats industry, but
not distinguished separately.
For 1963. 'Incandescent mantles for all purposes, whether collodionised or not', were included in other products This figure represents the total number of returns made for larger establishments in this industry,
which is less than the total number of establishments shown on Table 4 on account of combined returns covering more than one establi ishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968
Establiishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 | 1968 |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Value | Value | Entries | Principal industries in which produced (a) |
|  | £.000 | £'000 | Number |  |
| Musical instruments (pianos, organs, stringed, <br> wind and other instruments excluding gramophones) | 111 | 174 | * | 74,75,94 |
| Fancy articles, etc |  |  |  |  |
| Small cases of all kinds (eg beauty and manicure cases, spectacle cases and cases for cutlery, scientific and surgical instruments and the like) other than of leather or leather substitutes, plastics and fibreglass | 468 | 223 | 17 | 89,114 |
| Buttons and button moulds (other than of metal or glass) | 409 | 335 | 8 | 122,144, 149 |
| Imitation jewellery (including fashion and costume jewellery, and imitation pearls) and toilet requisites (including powder compacts and parts thereof but excluding toilet brushes and cases) | 27 | 266 | 5 | 89, 93, 97, 114 |
| Display fittings and advertising effects (other than display and exhibition stands and show cases) | 124 | 476 | * | 70,79,97 |
| Fancy articles not specified above (including 1 ampshades) | 241 | 114 | 5 | 32,97, 136, 149 |
| Parts of pipes and other smokers' requisites (excluding those wholly or mainly of plastics materials and excluding cigarette lighters and cigarette cases of precious metal) | 25 | 87 | * | 99,141 |
| 0ther products including lighter fuel, firelighters and engine and boiler packings and coverings (excluding asbestos or slag wool) | 2,383 | 4,425 | 12 | 40,97,111,133 |
| Total | 3,787 | 6,101 |  |  |

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

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdon

|  | 1963 | 1968 |
| :--- | ---: | ---: |
|  | Value | Value |
|  | $£^{\prime} 000$ | $£^{\prime} 000$ |
| Manufactures of metal | 336 | 311 |
| Miscell aneous manufactures of plastic materials | 542 | 439 |
| Other products | 742 | 709 |
| Repairs to musical instruments other than organs <br> (including renovations, upkeep and tuning) (a) | 60 | 58 |
| Services rendered to other organisations (b) |  |  |
| Total value of goods sold without having been subjected <br> to any manufacturing process (merchanted or factored) | 19 | 134 |
| Canteen takings | 1,444 | 2,326 |
| $\quad$ Total | 58 | 60 |

(a) Repairs to organs are included in Table 5(ii).
(b) Amounts charged for hiring out plant, machinery or other goods, for
providing transport, or for technical or other services rendered to other providing tran
organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968 Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

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

TABLE 10 (cont inued)


TABLE 10 (cont inued)

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quant ity | Cost |
| Fuel and electricity (g) (continued) | Th.kwh | £'000 | Th.kWh | £ 000 |
| Electricity | 19,368 | 155 88 | 21,698 | $\begin{aligned} & 201 \\ & 129 \end{aligned}$ |
| Total cost of materials and fuel |  | 10,863 |  | 16,411 |
| Goods purchased for merchanting |  | 1,064 |  | 1,761 |
| Canteen purchases |  | 65 |  | 70 |
| Total cost of purchases |  | 11,992 |  | 18,242 |

(a) For 1963, described as 'Glue and adhesives, (including compound synthetic resin adhesives but
excluding synthetic resins bought as such)'.
(b) For 1963, cadmium copper was not specifically excluded.
(c) For 1963, polyvinyl chloride, rod, tube, profile shapes and foam were not specifically included
(d) For 1963, copolymers were not specifically included.
(e) For 1963, described as 'Phenolics and cresylics; resins, solutions, emulsions, diepersions,
moulding and extrusion compounds'.
(f) For 1963 , only multiwall paper sacks were specifically excluded.
(g) The total quantity of electricity, generated in establishments employing 25 or more persons in this
industry was 81 kWh in 1963 . 0 ming to the risk of disclosure of information relating to g) The total quantity of electricity generated in establishments employing 25 or more persons
industry was 81 kTh in 193 . 0 owing to the risk of disclosure of information relating to
individual firms, separate figures for 1968 cannot be given.
individual firms, separate figures for 1968 cannot be given
(h) For 1968, may include a small amount of fuels not covered by specific headings.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968
Establ ishments employing 25 or more persons:
Analysis of ret urns received, United Kingdom

(a) Excluding tyres and other spare parts for road goods vehicles,
not collected separately for 1963 .

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | Amounts payable |  |
| :---: | :---: | :---: |
|  | 1963 | 1968 |
| Repairs and maintenance to | £'000 | £'000 |
| Buildings | 59 | 105 |
| Road goods vehicles | 33 | 40 |
| Plant, machinery and other capital equipment | 152 | 284 |
| Insurance, licensing and depreciation of road goods vehicles (b) | 92 | 121 |
| Rates, excluding water rates | 214 | 373 |
| Hire of plant and machinery | 12 | 26 |
| Postage, telephone, telegrams, cables and telex (c) | 147 | 273 |
| Total | 709 | 1,222 |

[^0]TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968
Establishments employing 25 or more persons
Analysis of returns received, United Kingdom

| Year ended | Percent age <br> of total returns <br> received | Percent age <br> of otal number <br> employed |
| :--- | :---: | :---: |
| April (a) | Per cent. | Per cent. |
| May | 3.3 | 2.8 |
| June | 1.3 | 1.5 |
| July | 12.6 | 16.4 |
| August | 2.6 | 2.0 |
| September | 5.3 | 3.1 |
| October | 4.0 | 1.9 |
| November | 2.0 | 1.5 |
| December | 38.4 | 2.1 |
| 1969 | 4.6 | 41.1 |
| January | 1.3 | 5.1 |
| February | 17.9 | 0.6 |
| March | 5.3 | 18.2 |
| April (b) | 100 | 3.7 |

(a) From 6 April.
(b) To 5 April.


[^0]:    (a) No deduction is made for these payments to arrive at the figures of net output given in this report.
    (b) For details see Table 11
    (c) Excluding telex for 1963

