## 43 Photographic chemical materials

This Report on the Photographic Chemical Materials relates to establishments engaged wholly or mainly in manufacturing sensitized photographic film and plate and photographic processing chemicals. Unsensitized photographic film is excluded.
This industry corresponds to minimum list heading 279(7) 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 was included partly in the Scientific, Surgical and Photographic Instruments Industry (Part 53) and partly in the General Chemicals Industry (Part 27) in the Reports on the last detailed Census of Production for 1963.

Throughout this Report, the figures given for 1963 have been reclassified as far as possible according to the Standard Industrial Classif ication (Revised 1968) so that the 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 interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

SECTION I - Estimates for all establishments in the industry
1 Industry summary, 1963 and 1968
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## Footnotes continued from page $43 / 3$.

(c) Including services rendered to other organisations (amounts charged for hiring out plan machinery or other goods, for providing transport, or for technical or other services machinery
rendered).
(d) Administrative, technical and clerical employees
(e) Excluding expenditure for establishments not yet in production
(f) Acquisitions less disposals.

Industry summary, 1963 and 1968
United Kingdom (a) (b)

a) For 1968 estimates for small establishments from which only employment data were collected accounted for less than 1 per cent. of the total figures in which they were incorporated. There were no forsatisfactory returns recorded. For 1963 estimates for small establishments and unsatisfactory unsatisfactory returns recorded. For 1963 estimates for small establishments and unsatisf
returns accounted for 2 per cent: of this unsatisfactory returns accounted for 1 per cent.
b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns in 1963 only.

|  | 1963 | 1968 |
| :--- | ---: | :---: |
| Number of establishments <br> Average number employed: <br> Horking proprietors | 15 | 6 |
| Other persons employed | 11 | 3 |

Footnotes continued on page $43 / 2$.

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

All establishments: United Kingdom

| Number employed on average during the year by the est abl ishment (a) | $\begin{aligned} & \text { Estab- } \\ & 1 \text { i sh- } \\ & \text { men'ts } \end{aligned}$ | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \\ & \text { (b) } \end{aligned}$ | Total number employed on average during the year (a) | Gross output | Net output | Net output per head |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | £'000 | £ 000 | £ |
| 1-5 | 3 | 3 | 11 | . | . | . |
| 6-24 | 3 | 3 | 51 | . | . | .. |
| 25-99 | 4 | 3 | 253 | 1,701 | 806 | 3,185 |
| 100-299 | 5 | 5 | 1,038 | 7,476 | 3,302 | 3,181 |
| 300-999 | 4 | 4 | 2,120 | 10,747 | 4,148 | 1,956 |
| 1,000 and over | 5 | 3 | 11,837 | 59,846 | 23,900 | 2,019 |
| Total | 24 | 14 | 15,310 | 80,095(c) | 32,286(c) | 2,109(c) |

(ii) Employees, wages and sal aries

All establishments: United Kingdom

| Number employed on average during the year by theest abl ishment (a) | Employees |  | Wages and sal aries |  | Wages and salaries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Operatives | 0 thers (d) | Operatives | 0thers <br> (d) | Operatives | 0 thers <br> (d) |
|  | Number | Number | $£^{\prime} 000$ | £'000 | £ | £ |
| 1-5 |  | . | . | . | . | . |
| 6-24 | . | . | . | . | . | .. |
| 25-99 | 213 | 40 | 166 | 49 | 780 | 1,226 |
| 100-299 | 737 | 301 | 728 | 361 | 988 | 1,198 |
| 300-999 | 1,390 | 730 | 1,235 | 812 | 888 | 1,112 |
| 1,000 and over | 6,604 | 5,233 | 7,392 | 6,814 | 1,119 | 1,302 |
| Total | 8,979(c) | 6,328(c) | 9,558(c) | 8,066(c) | 1,065(c) | 1,275(c) |

## (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 establishments in more than one
size group.
(c) Including

(d) Administrative, technical and clerical employees

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

| All establ i shments: United Kingdom |  |  |  |
| :--- | :---: | :---: | :---: |
| Ages | Males | Fenales | All employees |
| Under 18 <br> 18 and over | Per cent. | Per cent. | Per cent. |
|  | 1 | 3 | 4 |
|  | 59 | 37 | 96 |
|  | Source: Department of Employment |  |  |  |

(a) The percentages relate to the numbers employed (excluding working proprietors) in the chemical industries not elsewhere specified - minimum list heading 279-at June 1969, the earliest date for which the information is availabl
on the basis of the Standard Industrial Classification (Revised 1968).

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

|  |  | Unit | 1963 | 1968 |
| :---: | :---: | :---: | :---: | :---: |
| Number of enterprises |  | No. | 12 | 9 |
| Number of establishments |  | " | 24 | 18 |
| Gross output |  | $£^{\prime} 000$ | 54,569 | 79,770 |
| Net output |  | " | 26,839 | 32, 155 |
| Net output per head |  | £ | 1,557 | 2,109 |
| Sales and work done | \{goods produced and work done (b) | £'000 | 49,082 | 72,818 |
|  | merchanted goods and canteen takings | " | 5,442 | 5,864 |
| Index of specialisation (c) |  | (ent. | 91 | 99 |
| Purchases | $\left\{\begin{array}{l}\text { materials for processing and packaging, } \\ \text { and fuel }\end{array}\right.$ | £'000 | 23, 248 | 43,271 |
|  | l $\begin{aligned} & \text { goods for merchanting and canteen } \\ & \text { purchases }\end{aligned}$ | " | 4,410 | 4,152 |
|  | $\left[\begin{array}{l} \text { for work done on materials given out } \\ \text { for transport } \end{array}\right.$ | " | 518 | 387 |
| Payments to other organisations | $\left\{\begin{array}{l}\text { by road }\end{array}\right.$ | " |  | 70 |
|  | by rail and other means excluding postal services | " | 107 | 41 |
| Stocks and work in progress |  |  |  |  |
| Goods on hand for sale | $\{$ change during year | " | - 271 |  |
|  | at end of year |  | 2,968 | 2,927 |
| Work in progress | $\{$ change during year |  | + 315 | + 735 |
|  | at end of year | " | 3,926 | 6,205 |
| Materials, stores and fuel | \{change during year | " | + 553 | + 306 |
|  | at end of year |  | 6,846 | 8,407 |
|  | [total, including working proprietors | No. | 17,238 | 15,248 |
| Number employed on .average during the year | \{operatives | " | 10,514 | 8,944 |
|  | other employees (d) |  | 6,720 | 6,304 |
| Wages and salaries | \{ of operatives | £'000 | 8,234 | 9,521 |
|  | of other employees (d) |  | 6,526 | 8,035 |
| Wages and salaries per head | $\left\{\begin{array}{l} \text { operatives } \\ \text { other employees }(\mathrm{d}) \end{array}\right.$ | £ | 783 | 1,065 |
|  |  | " | 971 | 1,275 |
| Capital expenditure (e) |  |  |  |  |
| New building work |  | $£^{\prime} 000$ | 632 | 1,465 |
| Land and existing buildings | $\{$ acquisitions |  | 178 | 24 |
|  | disposals |  | 75 | 69 |
| Plant and machinery | $\left\{\begin{array}{l}\text { acquisitions }\end{array}\right.$ |  | 2,030 | 3,874 |
|  | disposals |  | 21 | 213 |
| Vehicles | \{acquisitions | " | 250 | 402 |
|  | disposals |  | 91 | 167 |

[^0]TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968 Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \end{aligned}$ | Entries |
|  |  | £'000 |  | £'000 | Number | Number |
| Photographic developers and other compounded preparations for photographic purposes |  | 3,667 | . | 7,344 | 11 | 11 |
| Sensitized photographic plates and films other than photographic paper and cloth (not exposed nor developed) |  | 24,225 | . | 41, 221 | 9 | 11 |
| Photographic paper and cloth (not exposed nor developed) |  |  |  |  |  |  |
| Paper sensitized with silver salts |  |  |  |  |  |  |
| Document-copying paper $\{$ | $\begin{array}{r} \text { Th.sq.ft. } \\ 119,092 \end{array}$ | 1,862 611 | Th.sq.ft. 219, 465 | 3,342 822 | \} * | * |
| Other paper sensitized with silver salts | 186,089 | 4,124 | 289, 390 | 8,529 | * | * |
| Other sensitized paper (including dyeline) and sensitized cloth | 1,049, 275 | $\begin{array}{r} 7,112 \\ 793 \end{array}$ | 1,380,327 | $\begin{array}{r} 10,912 \\ 4,895 \end{array}$ | \} 9 | 11 |
| 0 ther products |  | 85 |  | 123 | * | * |
| Waste products |  | 628 |  | 545 | * | * |
| Work done |  | 2,990 |  | 481 | * | * |
| Total |  | 46,096 |  | 78,214 |  | . |
| Sales in other industries (see Table 6) |  | 1,506 |  | 6,079 |  |  |
| Principal products of this industry sold by establishments in the industry |  | 44,590 |  | 72,135 | 9 | 15(a) |

(a) This figure represents the total number of returns made for larger establishments in this combined returns covering more than one establishment

Footnotes to Table 4.
(a) For 1963 two establishments employing fewer than 25 persons were included in returns for 1 arger establishments. None were included for 1968
(b) Including services rendered to other organisations (ant machinery or other goods, for providing transport, or for technical or other services rendered)
(c) This is the ratio of total sales of principal products by the industry to total sales of goods
produced and work done.
(d) Administrative, technical and clerical employees.
(e) Excluding expenditure for establishments not yet in production

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

|  | 1963 | 1968 |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Value | Value | Entries | Principal industries in which produced (a) |
|  | £'000 | $£^{\prime} 000$ | Number |  |
| Photographic developers and other compounded preparations for photo graphic purposes | $1,373$ | $4,481$ | 6 | 27, 29, 30, 70 |
| Sensitized photographic plates, films, paper and cloth (not exposed nor developed) excluding document copying paper sensitized with silver sal ts | 133(b) | $1,598$ | 7 | 34,68,70, 149 |
| Total | 1,506 | 6,079 | . |  |

(a) The references given are to the list of industries at the front of this repo
(b) For 1963 also excluding paper, other than document copying paper, sensitized
with silver salts.

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 Kingdom

|  | 1963 | 1968 |
| :---: | :---: | :---: |
|  | Value | Value |
|  | £'000 | £'000 |
| Miscellaneous products and services rendered to other organisations (a) | 4,493 | 683 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | 5,171 | 5,513 |
| Canteen takings | 271 | 351 |
| Total | 9,935 | 6,548 |

(a) Services rendered to other organisations comprises amounts charged for hiring or other services rendered to other 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

This table is not applicable to this industry.

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)

|  | 1963 |  | 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Cost | Quantity | Cost |
| Packaging materials (continued) |  | £'000 |  | £’000 |
| Metal |  |  |  |  |
| Cans and boxes | .. | 17 | .. | 412 |
| Aluminium collapsible tubes, aluminium foil, and any laminates incorporating aluminium foil and aluminium foil labels and closures |  | 1 | .. | 38 |
| Timber | .. | 7 | . | 52 |
| Plastics (other than transparent regenerated cellulose film) |  |  |  |  |
| Film (up to 0.01 inches thick) of polyethylene and other plastics materials | . | (a) | . | 33 |
| Bags and sacks, sheets and sheeting (thicker than 0.01 inches) |  | (a) |  | 93 |
| Moulded and fabricated containers including closures and inserts |  | 40 |  | 141 |
| All other packaging materials |  | 579 |  | 1,592 |
| Fuel and electricity (d) | Th.tons |  |  |  |
| Coke (including screenings) and manufactured fuel | 0.5 | 4 | - | - |
| Derv fuel and motor spirit for use in road vehicles | $\begin{gathered} \text { Th. gal. } \\ 359 \end{gathered}$ | 81 | Th.gal. | 202 |
| Other liquid fuels (including creosote/pitch mixtures, etc and liquefied petroleum gases) | 9,411 | 348 | 14,134 | 574 |
| Gas | Th. therms <br> 465 | $\begin{aligned} & 39 \\ & 12 \end{aligned}$ | $\begin{gathered} \text { Th. therms } \\ 367 \end{gathered}$ | 31 42 |
|  | Th. kWh |  | Th. kWh |  |
| Electricity | 37,536 | 256 | 31,507. | 215 97 |
| Total cost of materials and fuel |  | 23,248 |  | 43,271 |
| Goods purchased for merchanting |  | 4,231 |  | 3,877 |
| Canteen purchases |  | 180 |  | 275 |
| Total cost of purchases |  | 27,659 |  | 47,423 |

(a) Not recorded separately for 1963.
(b) For 1963 described as 'Photographic and cinematographic film base (not sensitized),
(c) For 1963 excluding multiwall paper sacks.
(d) Owing to the risk of discl osure of information relating to individual fir rms, total quantities of electricity generated in firms, own establishments in 1963 and 1968 cannot be given.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | Unit | 1963 | 1968 |
| :---: | :---: | :---: | :---: |
| Average number mainly employed on transport | No. | 300 | 266 |
| Transport costs |  |  |  |
| Wages and salaries | $£^{\prime} 000$ | 296 | 289 |
| Derv fuel and motor spirit | " | 81 | 202 |
| Tyres and other spare parts for road goods vehicles | " |  | 56 |
| Payments to other $\quad[$ by road | " |  | 70 |
| organisations for transport $\left\{\begin{array}{l}\text { by rail and other } \\ \text { means excluding } \\ \text { postal services }\end{array}\right.$ | " | 107 | 41 |
| Costs of operating road goods vehicles |  |  |  |
| Insurance | " | 18 | 24 |
| Vehicle licences | " | 18 | 39 |
| Depreciation | " | 89 | 249 |
| Payments to other organisations for repairs and maintenance | " | 31 | 71 |
| Total |  | 639(a) | 1,041 |

[^1]
## TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a) <br> Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

|  | Amounts payable |  |
| :---: | :---: | :---: |
|  | 1963 | 1968 |
| Repairs and maintenance to | £'000 | £'000 |
| Buildings | 91 | 94 |
| Road goods vehicles | 31 | 71 |
| Plant, machinery and other capital equipment | 152 | 264 |
| Insurance, licensing and depreciation of road goods vehicles (b) | 125 | 312 |
| Rates, excluding water rates | 370 | 513 |
| Hire of plant and machinery | 12 | 19 |
| Postage, telephone, telegrams, cables and telex (c) | 387 | 213 |
| Total | 1,169 | 1,487 |

(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

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

| Analysis of returns received, United Kingdom |  |  |
| :--- | :---: | :---: |
| Year ended | Percentage <br> of <br> total returns <br> received | Percentage <br> of <br> total number <br> employed |
| 1968 | Per cent. | Per cent. |
| April (a) | 0.0 | 0.0 |
| May | 0.0 | 0.0 |
| June | 13.3 | 1.9 |
| July | 0.0 | 0.0 |
| August | 0.0 | 0.0 |
| September | 0.0 | 0.0 |
| 0ctober | 26.7 | 35.6 |
| November | 6.7 | 35.2 |
| December | 33.3 | 19.4 |
| 1969 | 0.0 | 0.0 |
| January | 0.0 | 0.0 |
| February | 20.0 | 7.9 |
| March | 0.0 | 0.0 |
| April (b) | 100 | 100 |

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


[^0]:    For notes to this table - see page $43 / 7$

[^1]:    (a) Excluding tyres and other spare parts for road goods vehicles, not
    collected separately for 1963 .

