# The Report on the <br> Census of Production for 1954 

## Volume 8: Industry C



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)

## The Report on the Census of Production for 1954

## VOLUME 8, INDUSTRY C

biscuit

THIS REPORT on the Biscuit Industry relates to establishments engaged wholly or mainly in the manufacture of biscuits, rusks, crispbread, cereal fillers, etc.

This industry corresponds to minimum list heading 152 in the Standard Industrial Classification

| Table No. 1 | LISt of tables |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Title | Page | Table No. | Title | Page |
|  | Industry summary: estimates for the industry as a whole | 8/C/3 | 6 | Sales of principal products of the industry by establishments classif ied to other industries | 8/C/5 |
| 2 | Summary of returns received | 8/C/3 | 7 | Sales in the industry of other than principa products | 8/C/6 |
| 3 | Analysis by size, 1954 | 8/C/4 | 8 | Total make of intermediate products | Does ${ }^{\text {not }}$ apply |
|  |  |  |  |  |  |
| 4 | Analysis according to specialisation within the industry, 1954 | Does $\stackrel{\text { not }}{\text { appl }} 1^{\text {n }}$ | 9 | Purchases of materials and fuel, 1954 | 8/C/6 |
| 5 | Sales of principal products of the industry, includingsales of these products by establishments classifiedto other industries | 8/C/5 | 10 | Average number of employees and wages, salaries and superannuation payments | 8/C/8 |
|  |  |  | 11 | Employment in a specified week | 8/C/8 |

IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

The following notes describe terme in general use
in the tables of the report. More detain led oxplanations of the terms used and a description of the scope
and method of taking the census are given in the seprand method of taking the census are iven in the separ-
ate bookket entitled The heorort on the Census of pro-
duction for 1954- Introductory Notes (price 18. 6d.
dustrial Classification: Establishments are classifIned to industries according to the nature of the ir output and. as far as possible. In conformity with the
Standard Industrial Classification. Certain products and
are identified as the principal products of in individual
industries, the principal product for a qiven industry industries, the principal products for a qiven industry
being of a similar nature or commonly asociated in pro-
duction. The principle of clasification normally dution. The principle of classification normally
dotlow is that an estabishent is classified to an
followed if the for industry accounted for a qreater proportion of the value
of its output than did its output of the principal pro-
ducts ducts of any other industry.
Specialist producers normally comprise those establish-
ments so per cent. or more of whose total output by
 he specialist group.
Intermediate products: For some industries figures are
given showing the total quantities made during the year fintermediate products, ite ities made during the year
of which may be
further processed in the estabishments in which they further proce
are produced.
Larger establishments: The information qiven in the re-
 ent
than 10 persons. In most cases an est tablisiment com-
prises the whole of the premises under the same ownerprises the whole of the premises under the same owner-
ship or management at a particular addenss
O.9... a mine

 Small firm are those employing on the average 10 or
fewer persons.
The estimates for the industry as a whole given in
1 are normally obtained by increasing the other Table 1 are normally obtained by increasing the other
items shown in the same proportion as total employment. Gross output (production) is the total value of goods made and other work done during the year: it is obtain
d by adjusting the value of sales and work done during the year for changes in the value of s. tocks of producte
on hand for sale and work in progress. Net output is the amount left after doducting 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 valuadde ot materials by the pro-
 Sales means sales during the year of goods made in the establishment covered by the rear orn or made on conmise
ion for it. whether produced in the year or not. The ion for it, whether produced in the year or not. The
value of sales is the net selling value. i.C. the
amount charged to customers. whether on an ex-works or

 tax. etc. For goods charged on a dolivorre sive the
customers overseas. firms were required to give value.
f.o.b. value. Materials and fuel. The total cost of materials and
fuer purchased inciudes alo purchases during the year
of materials for use in production, and of fuel (includ-
ing oil. gas and electricity) for all purposes: packing materials. Including the full cost of returnable cases
then firs t purchased: workshop and office materials: ater charges: materials for repairs to buildings.
plant and vehicles vhen carried out by firms. own work. people included in their returns; consumable tools:
ind and parts for machinery purhased as replacements.
Purchases of goods for merchanting are excluded. The

Stocks: Firms were required to give stocks of materials
and fuel. products on hand for sale, and work in pros gress, at income tax values.
Customs and Excise Duty paid on materials purchased is
normally included in the cost of materials. Finished normally included in the cost of materials. Finished
goods are similarly valued as they were sold.
duty-paid or duy-free. The ne amount of any duty paid is de.
ducted in arriving at net output. Employment: Total employment includes working propriet-
ors. adminis trative. tecthical and clerical employees.
 and operatives. but excludes outworkers, canteen employ-
ees and porsons engaged in merchanting on any other ac-
tivity not covered by ofirmes return. who are shown ivity not covered by firm's return. Who are shown
separately as excluded employees. Employees are perseparately as excluded employees. Employees are per-
sonan the pay-rold (i.e. persons whoe National in-
surance cards were held by employers). whe ther employed surance cards were hel
full-time or part-time
Horking proprietors are proprietors of businesses other
 families wh worked in the business, without receiving
fixed ages or salaries. Any perons working less han atif the normal hours are oxcluded. For Northern
Ireland directors of limited companies (other than those Irrland directors of 1 imited compani
paid by fee only) are also included. Administrative, technical and clerical employes include
directors other than those paid by fee only (execept in
Northern ireland) managers. supe intendents and works

 anen and tracers: travellers: and office (including
morks office) employees. Operatives include all other classes
broadly speaking, all manual workers.
Outworkers are persons employed by the firm who work on Wages and sal aries include all overtime payments, bonus-
os and comisions in ithout any deductions for income tax.
insurances. contributory pensions etc. They exclude insurances. Contributory pensio
paymente to working proprietors.
Capital expenditure includes expenditure on new building capital account during the year. including any transport
and ins tallation coste involved. It. includes expendi-
 had not begun production be fore the end of the yoar
(mhich has not proviusil beon included in the Censuas of
Production reporte for individual industries). Symbols used:
iligle (less than half the final
for nil or nee
digit shown).
There figures are rounded. e.g. given to the nearost $\varepsilon$ thousand, there may be aparent slight discrepan
cies between the sums of constituent items and the totalitshown. In some cases. figures have been combined separate details might disclose information relating to separate dotains might díal
an individual undertaking.

Estimates for the industry as a whole

| TABLE 1 |
| :--- |

(except in 1948) tha
inccurred in ingeat oritain for establishments not yet in production), less amounts received for plant,
machinery and vehicles disposed of
Surmary of returns received
TABLE 2
(59082)

|  | Unit | $\begin{gathered} \text { Great } \\ \text { Britain } \\ 1948 \end{gathered}$ | United Kingdom |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1951 | 1954 |
| FIRMS Employing on average 10 OR FEWER PERSONS |  |  |  |  |
| Number of returns Total employment. including working proprietors | No. | 39 243 | $\begin{array}{r} 39(\mathrm{~g}) \\ 237(\mathrm{~g}) \end{array}$ | 33 212 |

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold
For subsequent years gross output includes payments to other firms and undertakings and to firms own

(c) Payments to other firms and undertakings and to firms ' own separate transport organisations. For the cover payments for transport of both finished goods sold and materials and fuel purchased.
(e) Excluding outworkers and including working proprietors.
(f) Excluding expenditure for establishments not yet in production.
(g) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for
is by size, 1954
Larger establishments in the United Kingdom

| Average number employed (a) | $\begin{aligned} & \begin{array}{l} \text { Es tab- } \\ \text { lish- } \\ \text { ments } \end{array} \end{aligned}$ | Gross output | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | Employees |  | Wages and salaries |  | $\begin{array}{\|c\|} \hline \text { Capital } \\ \text { expenditure } \\ \text { (b) } \end{array}$ | $\begin{array}{\|c} \begin{array}{c} \text { Net output } \\ \text { per } \begin{array}{c} \text { person } \end{array} \\ \text { eployed } \\ \text { (a) } \end{array} \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Operatives | Others | Operatives | Others |  |  |
|  | Number | £ 000 | $\varepsilon^{\prime} 000$ | Number | Number | £ 000 | £ 000 | £. 000 | 5 |
| 11-24 (c) | 14 | 492 | 137 | 191 | 42 | 52 | 17 | , | 579 |
| 25-49 | 26 | 1.271 | 489 | 721 | 170 | 179 | 89 | 38 | 547 |
| 50-99 | 10 | 1,192 | 436 | 662 | 79 | 166 | 50 | 49 | 588 |
| 100-199 | 17 | 5.178 | 1.719 | 1.967 | 542 | 581 | 305 | 400 | 684 |
| 200-299 | 9 | 4.665 | 1.851 | 1.939 | 346 | 511 | 178 | 404 | 810 |
| 300-399 | 7 | 4,476 | 1,583 | 2.116 | 362 | 615 | 162 | 167 | 638 |
| 400-499 | 7 | 5,331 | 1.748 | 2.684 | 323 | 675 | 186 | 394 | 581 |
| $500-749$ | 6 | 5,425 | 1.904 | 2.964 | 736 | 864 | 405 | 336 | 515 |
| $750-999$ | 8 | 12,342 | 5,234 | 5.602 | 1,114 | 1.528 | 536 | 584 | 779 |
| 1,000-1,999 | 11 | 28,110 | 9.692 | 11,937 | 2,367 | 3.434 | 1.192 | 1.393 | 678 |
| $\begin{aligned} & 2.000 \text { and over } \\ & \text { Total } \end{aligned}$ | 5 | 25,150 | 10.337 | 15.490 | 3,212 | 4.275 | 1.646 | 999 | 553 |
|  | 120 | 93.633 | 35.129 | 46.273 | 9.293 | 12,879 | 4,767 | 4,771 | 632 |
| (a) Excluding outworkers and including working proprietors. <br> (b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles, excluding <br> (c) expenditure for establishments not yet in production. <br> (c) Including $a$ small number of establishments with fewer than 11 persons employed, particulars of which were ncluded with those for larger establishments on a single return. |  |  |  |  |  |  |  |  |  |

TABLE 4-Analysis according to specialisation within the industry, 1954 Larger establishments in the United Kingdom
$\qquad$


Sales of principal products of the industry by establishments
classified to other industries

TABLE 6
Larger establishments in the United Kingdom

|  | 1954 |  |  | Principal industries in which produced (a) |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Entries |  |
|  | Th. cwt. | £. 000 | Number |  |
| Biscuits for human consumption Whole |  |  |  |  |
| Sweetened |  |  |  |  |
| Chocolate coated | 284 | 4.920 | 48 | 8B. 81 |
| Other kinds | 164 | 1.537 | 152 | 8B, 8J, 9G |
| Unsweetened | 55 | 388 | 42 | 8B. 8J, 9C. 9G |
| Rusks (infant's, diabetic, breakfast, etc.) |  |  |  |  |
| Oatcakes | 24 | 206 | 98 | 2G, 8B, 9G |
| Dry wafers (including cones, cornets, etc.) |  |  |  |  |
| Cereal filler (sausage rusk) and breadcrumbs | 151 | 472 53 | \} 31 | 8A, 8B, 8D, 9G |
| Total |  | 7.575 | .. |  |

[^0](59082)

|  | 1954 |  |
| :---: | :---: | :---: |
|  | Quantity | Value |
|  | Th.cwt. | £'000 |
| Flour confectionery |  |  |
| Slab or size cake, sponge goods, tea-bread and scones. including crumpets, muffins, etc. | 153 | 1,869 |
| Other flour confectionery | .$^{23}$ | 234 193 |
| Chocolate confectionery | 40 | 700 |
| Sugar confectionery | 9 | 87 |
| Seasonings, stuffings and forcemeat; and farinaceous preparations for use as food | ${ }^{36}$ | 431 177 |
| Other sales | .$^{75}$ | 229 |
| Total |  | 4.200 |

TABLE 8 - Total make of intermediate products Larger establishments in the United Kingdom
This table is not applicable to the industry

Purchases of materials and fuel, 1954 Larger establishments in the United Kingdom

|  | Quantity | Cost |
| :---: | :---: | :---: |
|  | Th.cwt. | £. 000 |
| Wheat meal and flour (other than self-raising flour and semolina) |  |  |
| National flour | 2.552 | 4,425 |
| Wholemeal, National Brown and other flours of higher extraction than National flour | 753 | 1.255 |
| Flours of lower extraction than National flour | 3.020 | 5.064 |
| Oatmeal and oat flour | 30 | 68 |
| Other cereal meals and flours | 156 | 320 |
| Butter | 36 | 624 |
| Margarine and compound cooking fat | 418 | 3.054 |
| Animal lard | 230 | 732 |
| Refined vegetable oils | 1.029 | 6.763 |
| Cocoa butter | 22 | 635 |

Eggs not in shell
Chocolate couverture and block chocolate
Cocoa beans
Dried fruits including candied or dried peel
Other ingredients
Packing materials
Tin containers purchased as such
Tinplate
Cardboard boxes and cartons and fibre-board packing cases
Transparent cellulose film in sheets, rolls or bags
Paper for wrapping or packing and paper bags
Timber and packing cases (wood or mainly of wood)
All other packing materials
Replacement parts for firms' own machinery, plant and vehicles
and consumable tools bought as replacements
All other purchased materials
Fuel and electricity
Coal
Liquid fuels (including creosote/pitch mixtures)
For use in internal combustion engines
Motor spirit (petrol) for use in road vehicles and
derv. fuel Other
For burning in furnaces, boilers, kilns, etc.
Gas purchased
From Gas Boards
From other sources, including other departments of the
same firms
Electricity purchase
From Electricity Boards
From other sources, including other departments of the
same $f$ i rms
All other purchased fuel
Total cost

| Quantity | Cost |
| :---: | :---: |
| Th.cwt. | £. 000 |
| 1.739 | 5.204 |
| 178 | 530 |
| 27 | 442 |
| 474 | 8.782 |
| 24 | 476 |
| 160 | 784 |
| .. | 3,351 |
| $\stackrel{106}{ }$ | $\begin{array}{r} 824 \\ 1.213 \end{array}$ |
| $\stackrel{.}{27}$ | $1,213$ |
| 27 70 | 100 |
| .$^{70}$ | $\begin{array}{r} 432 \\ 1.497 \end{array}$ |
| ${ }^{11}$ | 307 556 |
| 113 |  |
| 1. | 1.875 |
| .$^{73}$ | 73 135 |
| . | $\begin{array}{r} 135 \\ 1.260 \end{array}$ |
| . | 1.265 |
| Th. tons | 870 |
| 80 | 323 |
| 20 | 72 |
| Th.gal. |  |
| 2.841 | 548 |
| 2 | - |
| 1.758 | 77 |
| Th.therms |  |
| 15,111 | 776 |
| 11 | 1 |
| Th. kWh . |  |
| 79.880 | 446 |
| 1.653 | 13 |
|  | 13 |
|  | 56,354 |

Wholemell, National Brown and other flours of higher
extraction than National flour
Flours of lower extraction than National flour
Oatmeal and oat flour
Butter
Animal lard
Refine vegetable oils
Cocoo butter

|  | 1951 |  | 1954 |
| :---: | :---: | :---: | :---: |
|  |  | Number | Number |
| Average number of employees |  |  |  |
| Operatives <br> Administrative, technical and clerical employees |  | $\begin{array}{r} 34,276 \\ 7,531 \end{array}$ | $\begin{aligned} & 46,273 \\ & 9.293 \end{aligned}$ |
| Total |  | 41.807 | 55,566 |
| Wages and salaries paid to |  |  |  |
| Operatives $\begin{aligned} & \text { Odministrative, technical and clerical employees }\end{aligned}$ |  | $\begin{aligned} & 8.065 \\ & 3.486 \end{aligned}$ | 12.879 4.767 |
|  |  | 11.550 | 17.647 |
| Wages and salaries per head |  | $\varepsilon$ | $\varepsilon$ |
| Operatives <br> Administrative, technical and clerical employees |  | $\begin{aligned} & 235 \\ & 463 \end{aligned}$ | 278 513 |
| Superannuation and other pension funds for employees and dependents (b) |  |  | £. 000 |
| Employers' contributions |  |  | 370 |
| Employees covered |  |  | $\begin{aligned} & \begin{array}{c} \text { Number } \\ 16,359 \end{array} \end{aligned}$ |
| Pension, etc. payments to former employees and dependents (b) |  |  | £. 000 |
|  |  | . | 137 |
| (a) The following persons, not included above, were also employed by larger establishments ('other workers' includes. for example, employees engaged in merchanting): |  |  |  |
|  | 1951 | 1954 |  |
|  | Number | Number |  |
| Canteen workers Male Femal <br> Female | $\begin{aligned} & 13 \\ & 513 \end{aligned}$ | $\begin{array}{r} 17 \\ 555 \end{array}$ |  |
| Total | 526 | 572 |  |
| Other workers Male Female | 333 199 | 257 77 |  |
| Total | 532 | 334 |  |
| Total excluded employees | 1.058 | 906 |  |

Employment in a specified week (a)
Larger establishments in the United Kingdom

| TABLE 11 |  |  |  | Number |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 |  |  | 1954 |  |  |
|  | Males | Females | Total | Males | Females | Total |
| Working proprietors | 15 | 1 | 16 | 11 | 1 | 12 |
| Operatives | 11,913 | 23.693 | 35,606 | 14,568 | 35,983 | 50,551 |
| Administrative, technical and clerical employees | 3,898 | 3.788 | 7.686 | 4.646 | 4.870 | 9,516 |
| Total employees | 15,811 | 27,481 | 43.292 | 19.214 | 40,853 | 60.067 |

[^1]
## Crown copyright reserved

Printed and published by
Her Majesty's Stationery Office
To be purchased from
York House, Kingsway, London w.C. 2
423 Oxford Street, London w.I
13A Castle Street, Edinburgh 2
109 St Mary Street, Cardiff
39 King Street, Manchester 2 Tower Lane, Bristol I
2 Edmund Street, Birmingham 3 80 Chichester Street, Belfast
or through any bookseller
Printed in Great Britain


[^0]:    (a) The volume number and industry references given are to the industries shown in the list at the
    back of this report.

[^1]:    (a) Week ended September 22, 1951, or October 30, 1954.

