## The Report on the

## Census of Production

## for 1954

## Volume 9: Industry E



Presented by the Board of Trade $16_{0}$ SParliament in pursuance of the Statistics of Trade Act, 1947 ( 10 \& 11 Geo. 6 Ch. 39, Sec. 7)

LONDON: HER MAJESTY'S STATIONERY OFFICE

## The Report on the Census of Production for 1954

## VOLUME 9 INDUSTRY E

STARCH

THIS REPORT on the Starch Industry relates to establishments engaged wholly or mainly in the manufacture of starch, cornflour, dextrine and laundry blue

This industry corresponds to minimum list heading $162(5)$ in the Standard Industrial Classification.

There were no establishments in Northern Ireland in the register for this industry.

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The following notes describe terms in general use
in the tables of the report. More detailed explanations of the terms used and a description of the scope
and method of taking the census are given in the separ and method of taking the census are given in the separ-
ate booklet entitiled The Report on the Censur of Pro-
duction for 1954 - Introductory Notes. (price 18. 6d. Industrial Classification: Establishments are classiff Industrial Classification: Establishmente are classifput and. as far as possible. in conformity with the
Standard Industrial Classification. Certain products are identified as the principal products of individual
industries. the principal products for a given industry
ind being of a similar nature or commonly associated in pro-
duction. The principle of clasification normally
followed is that anestablishen is folloxed is that an establishment is classified to an
industry if its output of the principal products of that
industry accounted for a greater proportion of the value industry accounted for a greater proportion of the value
of its output than idid its output of the principal pro-
ducts of any other industry ducts of any other industry.
Special ist producers normally comprise those establish-
ments So per cent. or more of thase total output by
value is accounted for by the characteristic products of ments 50 per cent. or more of whose total output by
value is accounted for by the characteristic products of
the specialist the specialist group.
Intermediate products: For some industries figures are
given showing the total quantities made during the year
 further proce
are produced.
Larget establishments: The information given in the report relates mainly to larger estansishments of firms employing on the average more establishments of firms employing on the average more
than 10 persons. In most cases an establishment com-
prise the whole of the premises under the prises the whole of the premises under the same owner-
ship or management at a particular address (e.q. $a$ mine
 other ancillary places of business situated apart from
the producing orks are not rearded as separate estab-
lishente and are included in the return for the works. Small fi ms are included in the return for the works.
ferer persons.
ter The estimates for the industry as a whole given in
Table are normally obtaind by increasing the other
items shown in the same proportion as total employment. Gross output (production) is the total value of goods Gross output (production is the total value of goods
made and other vork done during the year: it is obtain-
od by adjusting the value of sales and work done during ed by adjusting the value of sales and work done during
the year for changes in the value of stocks of products 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 matvalue of grose out tput the agourt paid for work given mat.
erials and fuel
and and. for 1951 and 1954, any transport payments made.
This represents the valuadde ot materials by the proo
cess of production, and constitutes the fund from which Thes of production, and constitutes the fund from which mages. salaries, rents, rates and taxes. advertising and
other selling expenses and alt ther simiar charges
have to be met. as well as depreciation and profits. Sales means sales during the year of goods made in the
 delivered basis. and net of any trade discounts, agents.
comissions allownce for neturnable cases. purchas
tax. etc. For goods charged on a delivered basis to tax. etc. For goods charged on a dolivered basis to
customers overseas. firms were required to give the
f.o.b. value. Materials and fuel. The total cost of materials and
fuel purchased includes all purchases during the year
ing oil. gas and electricity) for all purposes: packing
materiais, including the full cost of returnable cases mhen firs. purchased. Workshop and office materials;
water charges. materials for repairs to buildial water charges; materials for repairs to buildings.
plant and veniches when carried out by firms. own vork.
people included in their returns: consumable tools people included in their returns: consumable tols,
and parts for machinery purchased as replacements.
aurchases of goods for merchanting are excluded. and parts for machinery purchased as replacenente
Purchases of goods for merchanting are exceluded. The
costof materials and fuel used. ©iven in Table is
obte is cost of materials and fuel used. given in Table ${ }^{2}$. is
otained by adjusting purhases for changes during the
year in in the value of stocks.
Stocks: Firms were required to give stocks of materials
and fuel. products on hand for sale, and work in pro-
gress. at income tax values. and fuel, products on hand
gress. at incoue tax values.
Customs and Excise Duty paid on materials purchased is
normally included in the cost of materials. Finished normaly included in the cost of materials. finished
goods are similarly valued a they were sold, duty-paid
or duty-free.
The net amount of any duty paid is deor dut-free. The net amount of any duty paid is de-
ducted in arriving at net output. Employment: Total employment includes working propriet-
ors. administrative. technical and clerical employees. ors. administrative, technical and cherical employes
and operatives. but excludes outhorkers, canteen employ
ees and persons engaged in merchanting or ees and persons engaged in merchanting or any other ac-
tivity not covered by a firm return, who are shown
separately as excluded employes. Emper separately as excluded employees. Employees are per.
sonn on the pay-roll (i.e. persons whose Nat inal In-
suran sons on the pay-roll (i.e. persons whose National In-
surance cards were held by employers). whether employed
full-time or part-time.
Horking proprietors are proprietors of businesses other Horking proprietors are proprietors of businesses other
than 1 imited companies. together with members of their
families who worked in the business without receiving families who worked in the business without receiving
fixed waes or salaries. Any persons working less than Hxed wages or salaries. Any persons Working less than
hal the normi hours are extuded. For Nor then
Ireland directors of limited companies. (other than those Ireland directors of 1 imited companie
paid by fee only) are also included.
Administrative, technical and clerical employees include dinectors other than those paid by fee only $\begin{aligned} & \text { (exceept in } \\ & \text { Northern Ireland): managers. superintendents and works }\end{aligned}$
Not Northern Ireland), managers. superintendents and works
foremen reserch, experimental, development, technical
and desinn
 men and tracers: travel
works off fice) employees.
Operatives include als. 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,
insurane es and commissions without any deductions for income tax,
insurances. contributory pensions etc. They exclude
payments to working proprietors.
Capital expenditure includes expenditure on new building
 and installation costs involved. It includes expendi-
ture in respect of establishments in Great Britain which
 (which has not previously been included in the
Production reports for individual industries)

## Symbols used:

for not available
for nil or negligible (less than half the final
digit
digit shown).
Where figures are rounded. e.g. given to the nearest $\&$ thousand, there may be aparent slight discrepan-
cies between the sums of constituent items and the totals shown. In some cases. figures have been combined
with others of a similar nature where publication of separate de tails might di
an individual undertaking.

|  | United Kingdom |  |  | $\underset{\substack{\text { Scot } 1 \text { and } \\ 1954 \\(a)}}{\text { Sto }}$ | Wales1954 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1948 | 1951 | 1954 |  |  |
|  | £million | £ million | £ million | £ million | £ million |
| Gross output (production) | 3.9 | 7.0 | 9.7 | . |  |
| Net output | 1.5 | 2.4 | 3.5 | .. | - |
| Total stocks and work in progress At beginning of year Change during year | 0.6 | 0.8 $+\quad 0.5$ | 1.0 $+\quad 0.3$ | .. | - |
| Capital expenditure less disposals (b) | 0.1 | 0.2 | 0.2 | .. | - |
| Wages and salaries | 0.9 | 1.0 | 1.2 | .. | - |
| Total employment (including working proprietors) | Thousands | Thousands | Thousands | Thousands | Thousands |

be given. (b) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948) that
incurred in Great Britain for establishments not yet in production). less amounts received for plant.
machinery and vehicles disposed of.

Summary of returns received

| TABLE 2 |
| :--- |

TABLE
firms employing on average 10 or fewer persons Number of returns
TTotal employment, including working
proprietors
(a) $\begin{gathered}\text { For the year } 1948 \text { gross output excludes payments for transport services outwards on finished goods sold. } \\ \text { For subsequent years gross output includes payments to other firms and undertakings and to firms }\end{gathered}$ own
(b) Payments to other firms and undertakings and to firms.

(d) Excluding outworkers and including working proprietors.
(e) Excluding expenditure for establishments not yet in production.

Net output
Average number
Total employment (d)
Net output per perso
$d$ (d)
Tages and salaries $\quad\left\{\begin{array}{l}\text { of operative } \\ \text { of others }\end{array}\right.$
Capital expenditure (e)
New building work (e)
Plant and machinery
$\left\{\begin{array}{l}\text { acquisitions }(e) \\ \text { disposals }\end{array}\right.$ $\left\{\begin{array}{l}\text { disposa1s } \\ \text { accquisitions }\end{array}\right.$

TABLE 3

| Average number employed (a) | $\begin{aligned} & \text { Estab- } \\ & \text { lish- } \\ & \text { ments } \end{aligned}$ | Grossoutput | $\begin{aligned} & \text { Net } \\ & \text { Nutput } \end{aligned}$ | Employees |  | Wages and salaries |  | Capital expenditure <br> (b) | $\begin{array}{\|c\|c\|} \hline \text { Net output } \\ \text { per person } \\ \text { employed } \\ \text { (a) } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Operatives | Others | Operatives | Others |  |  |
|  | Number | $£^{\prime} 000$ | £. 000 | Number | Number | £ 000 | £ 000 | £ 000 | $\varepsilon$ |
| 11-49 | 8 | 992 | 243 | 172 | 63 | 70 | 44 | 14 | 1.025 |
| 50-749 | 11 | 8.368 | 3.123 | 1.625 | 580 | 678 | 379 | 174 | 1.416 |
| Total | 19 | 9.360 | 3.366 | 1.797 | 643 | 748 | 424 | 188 | 1.379 |

(a) Excluding outworkers and including working proprie tors,
(b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles.
excluding expendi ture for establishments not yet in production.

TABLE 4 - Analysis according to specialisation within the industry, 1954 Larger establishments in the United Kingdom No specialisation within this industry was distinguished.

Sales of the principal products of the industry, including sales of these products by establishments classified to other industries Larger establishments in the United Kingdom

| TABLE 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | Principal products of this industry so

by establishments in the industry
(a) Including starch of other kinds, not elsewhere specified
(b) Amount charged.
(c) Maize starch manufactured for the Ministry of Food.

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

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

|  | Quantity | Cost |
| :---: | :---: | :---: |
| Materials | Th.cwt. | £ 000 |
| Starch |  |  |
| Maize | 365.7 | 823 |
| Potato | 219.2 | 508 |
| Other | 148.9 | 402 |
| Replacement parts for machinery, plant and vehicles and consumable tools bought as replacements | . | 120 |
| All other purchased materials | . | 3.929 |
| Fuel and electricity | Th.tons |  |
| Coal | $30.3$ | 129 |
| Coke | 2.6 | 12 |
| Liquid fuels (including creosote/pitch mixtures) | $\begin{aligned} & \text { Th.gal. } \\ & 187.2 \end{aligned}$ | 19 |
| Gas purchased | Th. therms |  |
| From Gas Boards | 187.2 | 10 |
| From other sources. including other departments of the same firms | - | - |
| Electricity purchased | Th. kWh . |  |
| From Electricity Boards | 12.139 | 60 |
| From other sources, including other departments of the same firms |  | - |
| All other purchased fuel |  | - |
| Total Cost |  | 6.010 |

Average number of employees, and wages, salaries and superannuation payments
Larger establishments in the United Kingdom
TABLE 10

|  | 1951 | 1954 |
| :---: | :---: | :---: |
| Average number of employees |  |  |
| Administrative, technical and clerical employees | 2.001 573 | 1.797 643 |
| Total | 2.574 | 2.440 |
| Wages and salaries paid to Operatives Administrative, technical and clerical employees Total | $\varepsilon^{\prime} 000$ | £. 000 |
|  | $\begin{aligned} & 709 \\ & 293 \end{aligned}$ | 748 424 |
|  | 1.002 | 1,172 |
| Wages and salaries per head | $\varepsilon$ | £ |
| Operatives <br> Administrative, technical and clerical employees | 354 511 |  |
| Superannuation and other pension funds for employees and dependents <br> Employers' contributions |  |  |
|  | . | 48 |
| Employees covered | .. | Number 1.838 |
| Pension, etc. payments to former employees and dependents | .. | \& ${ }^{1} 14$ |

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

|  | 1951 |  |  | 1954 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Males | Females | Total | Males | Females | Total |
| Working proprietors | 2 | - | 2 | 2 | - | 2 |
| Operatives | 1,336 | 708 | 2.044 | 1.135 | 502 | 1.637 |
| Administrative, technical and clerical employees | 365 | 222 | 587 | 398 | 236 | 634 |
| Total employees | 1.701 | 93 c | 2.631 | 1.533 | 738 | 2.271 |

Administrative, technical and
clerical employes
(a) Week ended September 22, 1951, or October 30, 1954.

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VOLUME 1


vowne e (contd.)
E. Preserved Moct
F. Mik Product
The

Ice Creaucts
Sugar and Glucose
Cocoa. Chocolate and Sugar 1. Cocoa. Chocolate and Sugar
Con fectionery and
J. Preserved Fruit and Vegetables
volume 9
A. Margarine
 . Ice
Miscellaneous Praserved Foods
Breving and Malting . Wholesalo. Botling
J. Spirit Distilling
K. Spirit Rectifying an

M. Tobacace
vowime 10
A. Timber
B. Furniture and
C. Soft furn ishing
D. She
Stind

Shop Furnishings
D. Shop and office Fitting
E. Fooden Containers and Baske to

F. Mper and Board
G. Wallopper
H. Cardbear $\begin{aligned} & \text { Box. Carton and }\end{aligned}$

Fibre-bourd Packing and
I. Manu factured Statione
Stationery.

1. Manufactured Stationery. Pape
J. Nag and Kindred Indus tries
J. Noessppere and Perioduccil
K. Printing and Publishing

## volume 11

A. . Rubber
B. Linolum, Leathercloth and
Allied Industries

Allied Indus triter
C. Brushes and Brooms
D. Toys and Came
C. Brushen and Bro
D. Toys ond Games


vowne 12
A. Building and Contracting
B. Local Authorities (Building and

Civil Enqineering)
C. Railuays (Civil Engineering
D. Tramay. Trolley Bus and
OOni ibus Under
(Civil Encineor ing)
E. Cana1, Dock and Harbour
E. Canale. Dock and Harbo
F. Engineering)
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