##  <br> BOARD OF TRADE <br> THE REPORT ON THE CENSUS OF PRODUCTION FOR 1958 <br> 

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)

LONDON: HER MAJESTY'S STATIONERY OFFICE 1960

PRICE 1s. 9d. NET

Some changes were introduced in the 1958
sus, whi ch affect the comparability between 1954 and 1958 figures. firms employing 25 or more persons, instead of,
as previously, from firms employing 11 or more as previo
persons.
The s. Coverage of firms' returns for 1958 was in
he
cases rather wider than for 1954 . In bo th any cases rather wider than for 1954 . In bo th
years the census was based on the estabiishment,
Comprising in most cases the whole of the premi ses comprising in most cases the whole of of the premisent,
onder the same ownership or managenent at a particuunder the same ownership or managenent at a particu-
lar address (e.g. factory or mine) but of fices,
warchouses, laboratories marehouses, raboratories, etc. at addresses separate
from the works were treated as part of the estab1ishment. For 1958 , but not for 1954 , fir ms ware
asked to include al so, in all sections of their asked to
returns, eturns, particulars relating to merchanting or
factoring, canteens operated by them, and other mncillary activities, such as bot t1ing, packing, and
the manufacture of containers for packing their own products, whether or not these activities were
carried on at the same address as the works, unless TERMS USED IN
CAPITAL EXPENDITURE The expenditure on new building work shown
excludes the cost of land and existing buildings purchased; for plant, machinery and vehicles both s that charged to capital are included. The value
ancluding any transport and ine instang thear, nvolved. Capital expenditure in respect of estabishments in Great Britain where production hat not
tarted before the end of the year is included in
haracteristic products (See the description of the EMPLOYMENT

These Working proprietors employed' for National Insurance purposes, and nembers of their families who worked in the business without receiving fixed wages or salaries; but (ii) Employees

Employees are classified under the two main headings of (a) administrative, technical and rerical employess and (b) operatives. The fi gures
rersons on the pay- roll (i. e. who se
 igures for 1958 include, but those for 1954
inglude, persons engaged in merchanting or for excluce, persons engaged
ing, and canteen workers.
Administrative, technical and clerical emloyees include managers, superintendents, and wom-
foremen; research, experimental, development, ochnical and design exployees (other than operaives); draughtsmen and tracers; travellers; and
ffice (including works of fice) employees. Operatives include allother classes of employees, that is, broadly speaking, all manual wage
arners. They inctude those employed in and about
one arners. They include those empoyed in and about
he factory or works; operatives employed in power
houses, transport work, stores, warehouses and, for houses, transport work, stores, warehouses and, for
1958, canteens;
inspectors, viewers and simi ar ar orkers mantenance workers; and cleaners.
peratives engaged in outside work of erection. itting etc. are also included, but outwo rkers (i.e.
they were conducted by a separate company, or by a separate department with a separate setet of occounts,
building and engineering maintenance departments epartments were treated in Shis wayd transport and 1958 . While the the effect of way both for 195
further ancillary activities was gening thes
diera11y to further ancillary activities was generally to
produce higher figures for employment etc.
reporting of separate figures for merchent reporting of separate fi gures for merchanted goods
1ed to the exclusion of some firms who proved to be nerchants with only minor productive activities. Changes made for 1958 in the instructions
governing the making of returns for two or more establishments operated by the same firm permitted combined returns to be made more freely than in
provious censuses. Conbined returns were accepted
covering esteble covering establi ishments in the same census industry,
and situated in the same country (i.e. England,
Scotland or Wales) and situated in the same country (i.e. England,
Scotland or Wales).
The 1954 figures have been re-tabulated to correspond as closely as possible
but because of the chan ges de correspondence is not always exact.
census reports
supplied by the firm in their own homes, etc.) are
(iii) Total employment

This is the sum of the average number of em-
ployees and the number of working proprietors;
outworkers are excluded. ENTERPRASE
The term enterprise is used in this report to control as defined in the Companies Act, 1948. An enterprise normally consists eit ther of a single
firm or of $a$ holding company together with its
subsidian subsidiary companies.
enthies
7 is the number of entries shown in Tables 4, 5 and a particular output or production heading were
recorded. The number of entries is less than the corresponding number of establi shments to the extent
that combined returns hat combined returns were made co

one of the establi shments concerned. | establishenent |
| :---: |
| In most |

hole of the pres an establi shment comprises the whole of the premises under the same ownership or
management at a particular address (e.g. a factory
or mine). Offices, warehouses or mine). Of fices, warehouses, 1 aboratories and other ancilary places of business at a separate
address from the works were treated as part of the
establi shment.
inte ruediate phoducts
NTE RMEDIATE PRODUCTS
For some industries figures are given showing
he total quantities made during the year of important intermediate products, i.e. products which may
 they are produced, whether or not they are also
sometimes soll. They include also goods produced
from materials supplied by other fi ms.
MATERIALS AND FUEL
The totals shown include the cost of all pur-
chases of materials and components for use in production, and of fuel (including oil, gas and
oectricity) for all pur electricity) for al torposes including heating,
lighting and transport (mhere carried out by firms
own staff included in the return); all packing
materials, including the full cost of returnable
cases and containers when first purchased; workshop materials; office materials; water charges; naterials, for repairs to firms' own buildings, plant
naterial mand vericles when carried out by thiir own work-
aneople included in the return; consumable tools;
per and
and parts for machinery purthased consumable toring the year as as
feplacenents. Purchases of goods for merchanting or replacements. Purchases of goods for merchanting or
factoring. and canteen supliies, are included for
1958 but not for 1954 . Materials supplied by factoring, and canteen supplies, are included for
1958 but not for 1954 . Materials suppliied by
customers for processing are excluded for both years. customers for processing are excluded for both years.
The values show include any duty paid (1ess
rebate, etc.) but exclude trade di scounts allowed. rebate, etc.) but exclude trade di scounts all iowed.
The cost of transport was included only if included
in the cost of materials as invoiced; amounts paid The cost of transport was included ony in included
in the cost of materials as invoicedi amounts, paid
to transport organi sations. including firms. own to transport organisations, including firms' own
separate transport organisations, for delivery of separate transport organi sations, for delivery of
materia1s and fuel are therefore excluded. Mater-
ials purchased overseas were entered at their c.i.f. cost plus any duty if the cost of transport from the
docks was not incuded in the invoiced price, and at
their full delivered cost if invoiced ccarrige paid docks
their
home.
NET OUTPUT
Value added to mater of an industry represents the duction and includes for 1958 the process of pros margin on
any merchanted or factored goods sold any merchanted or factored goods sold; it con-
stitutes the fund from which wages, salaries, rents,
rates and taxes, advertising and other selling expenses, and all other similar charges have to be ber
extand
net, as well as depreciation and profits. There is net, as well as depreciation and profits. There is
no appreci able dupli cation in net output.
Net output was no rmally obtained by taking the Net output was no man lly obtained by taking the
total value of sales and work done (including, for
tor 1958, the value of merchanted goods sold and canteen
takins) adding the value of stocks at the end of the year and dedicting their value at the beginning
of the yeard und ducting iso the cost of
materials and fuel purchased (including, for 1958 , the value of goods purchased for merchanting and
canteen supppli ies. payments for work given out to
other firms, and payments for transport. The net


NET OUTPUT PER PERSON EMPLoyed
The fi gures for net output per person employed
are derived by dividing net output by total employare derived by
ment (see above).
PRINCIPAL PRODUCTS (See the description of the
method of classification before List of Tables)
sales
Sales include goods made by the business
conered by the return, those made for it by out
torkers or by other firms from workers or by other fi rms from materials given out
to them (sometimes described as goods made on
comission), and waste products sold. Any machinery ors.
commission), and waste products sold. Any made minery
or other capital items produced for use in the or other capital items produced for use in the
business covered by the return are also included,
the value being that adopted in the firm's capital business covered by the return are al so included,
the value being that adopted in the firmm capital
account for income tax purposes. Goods sold without account for income tax purposes. Goods sold without
being subected to any manufacturing process (mer-
chanted or factored) and canteen takings are in-
 sales of merchanted or factored goods were 1 ess than
\&5, ooo, firms were permit ted to to include them wi th
the figures for sales of goods of their own pro-
duction
The value shown for sales is the net selling
SYMBOLS USED
The following symbols are used throughout the
reports: for not available
for ni1 or negligible (less than half the
final digit shown)

Walue, defined as the amount charged to customers hether on an ex-work or deli ivered basis, net of
ny trade discounts, agents' commissions, allowances any trade discounts, agents, cormissions, al owances
for returnable cases, purchase tax, etc.; the net
amount charged for pact amount charged for packing materials is included.
Goods charged on a delivered basis to customers
overseas, are included at the fo b overseas, are included at the f... b. value. For
work done on conmission or for the trade, the value
shown is the net work done on commi ssion or for the trade, the value
shown is the net amount charged. With a fee except-
ions, receipts for business and other services are Cons, receipts for business and other services are
not included. To the extent that the fini shed products of one
establi shment constitute the materials purchased by establishment constitute the materials purchased by
ano ther, total figures of the value of sales (and of another, total figures of the value of sales (and of
materials and fuel purchased) include an element of
duplication. duplication.

STOCKS AND WORK IN PROCRESS
The values shown
The values shown are the income tax values
of stocks of products on hand for sale, and of f stocks of products on hand for sale, and of
naterials and fuel, at the beginning and end of the year of return. For 1958 , but not for 1954 ,
they include any stocks of goods held for merhhanting or factoring. The value of work in
progress at the two dates is also usually shown. progress at the two dates is al so usually shown.
This excludes any progress payments made to sub-
contracters. contractors, and no deduction is made on account of
progress payments received.
thansport payments
These represent the total amount paid or
redited during the year for both outwards transport credited during the year for both outwards transport
of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport
organisation of the same firm, not covered by the rganisation of the same firm, not covered by the
return, but exclude the value of transport services peturn, but exclude the value of transport services
provided by the business covered by the return. The
items included are payments for hired cartage and items included are payments for hired cartage and
for inwards and outwards carriage by all forms of
inland transport, that is rial Yor inwards and outwards carriage ty all forms of
inland transport, that is railways, road haulage,
canals, coast-wise shipping, air, etc. Payments canals, coast-wise shipping, air, etc. Payments
made for sea freight on goons sold to customers
overseas and on materials and fuel purchased from maverseas and on materials and fuel purchased from
over
overseas suppliers are excluded.
wages and salaries
These are the amounts paid during the year to
peratives and to administrative techic operatives and to administrative, technical and
clerical employees. Payments to working proprietors, whether called salaries or not, are
excluded. The values shown include all overtime excluded. The values shown include all overtime
payments, bonuses and commis sions, whether paid regularly or not, and no deduction, is made for inThe tax, insurances, contributory pensions, etc.
The value of any payments in kind, trave11ing expenses, Iodging allowances, etc. is excluded.
Fi gures are also shown for average salaries etc. paid per head for the week ended 25 th October,
1958 . For staff paid monthly, the figures are based on payments made in october, 1958. Where
payments related to periods other than a week or payments related to periods other than a week or
month, an appropriate proportion was returned. month, an appropriate proportion was returned.
only those bonuses and commissions actually paid in
one
> work given out
> The figures shown represent the total amount
paid for work done by other firms on materials papplied to them, and also by firms. on materials ${ }^{\text {entablish- }}$
ments for which separate returns were made do not include payments to individual outworkers or
doyments for business and onther services.

ROUNDING of FIGURES
The fi fures in the es have, where necessary, The figures in the tables have, where necessary,
been rounded to the nearest final digit. There may,
therefore, be appoarent slight discrepancies betwen therefore, be apparent slight discrepancies between
the sums of the constituent $i$ tems and the totals

The Report on the Census of Production for 1958
Part 21. TOBACCO

This report on the Tabacco Industry relates to establishments engaged in the manufacture of tobacco, cigars, cigarettes and snuff

The industry corresponds to minimum list heading 240 of the second (1958) edition of the Standard Industrial Classification, which has been used for the first time in the 1958 Census. The definition of this industry is unchanged frich the last detailed census of production, for

F
For 1958, returns in full detail were required only from firms employing twenty-five or more persons, and most of the tables in this report relate only to these larger firms. This is an important change from previous censuses, when returns in full detail were required from firms employing eleven or more persons on productive work. Estimates for the industry as a whole are

There were s
There were some other changes in the 1958 Census, which affect the comparability between 1954
and 1958 figures; these are explained in the notes prefacing this report.

## METHOD OF CLASSIFICATION

This industry is defined in terms of its prineipal products which are those shown in Table 4. A census return was classified to this industry if the sales of the principal products of this industry accounted for a greater proportion of its output than the principal products of any other industry. Where, however, the application of this rule would have resulted in a change same industry as for 1954 unless the output third more than in the old: this modification of the general ruls in the new industry was one continuities as the result of marginal changes of output bal merchanted products and of non-specific items such as waste products, takings were not taken into account in classifying returns.
Table No. Title ..... Page
Industry summary: United Kingdom. Estimates for all firms ..... ,
Summary of returns received ..... 21/4
Analysis by size of enterprise within the industry, 1958 ..... $21 / 5$
Sales of principal products of the industry by larger firms. including
sales by establishments classified to other industries ..... 21/6
Sales of principal products of the industry by establishments
classified to other industries ..... 21/8
Sales of other than principal products by larger firms in the industry ..... 21/8
Total make of intermediate products, 1958Does not apply
Employment and salaries, etc. for the week ended October 25, 1958 ..... 21/8

Industry summary: United Kingdom

|  | Unit | 1954 | 1958 |
| :---: | :---: | :---: | :---: |
| Number of enterprises | No. | .. | 43 |
| Number of establishments | . | .. | 80 |
| Sales $\quad$ goods produced and work done | \&. 000 | 810.965 | 952.193 |
| ted goods and canteen takings | - | . | 30.310 |
| Purchases of materials and fuel (b) | . | 750.407 | 890.824 |
| Products on hand $\quad$ change during year | - | 970 | + 2.100 |
| for sale lat end of year | - | 23.244 | 24.682 |
| Work in progress $\quad\left\{\begin{array}{l}\text { change during year }\end{array}\right.$ | $\cdots$ | + 611 | - 65 |
| end of year | " | 20.634 | 20.801 |
| Stocks of materials $\quad$ change during year | - | 379 | - 2.110 |
| lat end of year | - | 19.285 | 93.639 |
| Payments for work done on materials given out | - | 2 | 6 |
| Payments for transport | - | 2.032 | 2,467 |
| Net output | " | 60.484 | 89.131 |
| $\int^{\text {operatives }}$ | Th. | 32 | 35 |
| $\underset{\substack{\text { Average } \\ \text { employed } \\ \text { nuber } \\ \text { d } \\ \text { a }}}{ }$ | . | 9 | 9 |
| total, including working proprietors | " | 41 | 44 |
| Wages and salaries $\quad\left\{\begin{array}{l}\text { f }{ }^{\text {operatives }} \text { ( }\end{array}\right.$ | $\varepsilon^{\prime} 000$ | 11.644 | 15.720 |
| $f$ other employees | * | 6.204 | 7.566 |
| Capital expenditure |  |  |  |
| New building work (e) | " | 364 | 1.105 |
| Plant and machinery $\left\{\begin{array}{l}\text { acquisitions (e) } \\ \text { disposals }\end{array}\right.$ | " | 2,532 | 4.943 |
|  | - | 391 | 389 |
| Vehicles <br> \{acquisitions (e) | " | 256 | 260 |
|  | . | 113 | 97 |




(c) Cortain bonded stocks are includod for 1958 but not for 1954 .
(d) Persons engaged in merchanting or factoring and canteen workers are included for 1958 but
excluded for
(e) Including expenditure in Great Britain for establishments not yet in production.

Analysis by size of enterprise within the industry, 1958

|  | Unit | 1954 | 1958 |
| :---: | :---: | :---: | :---: |
| Number of enterprises | No. | 38 | 26 |
| Number of establishments | . | 73 | 62 |
| [goods produced and work done | £ 000 | 808.167 | 948,908 |
| Sales $\quad\left\{\begin{array}{l}\text { merchanted goods and canteen takings }\end{array}\right.$ | . | .. | 30.206 |
| Purchases of materials and fuel (b) | " | 747.818 | 887.751 |
| Products on hand $\quad\left\{\begin{array}{l}\text { change during year }\end{array}\right.$ | $\cdots$ | + 967 | + 2.093 |
| for sale $\quad$ at end of year | $\cdots$ | 23.164 | 24, 596 |
| change during year | " | + 609 | - 65 |
| Work in progress $\quad$ at end of year | " | 20.562 | 20.729 |
| Stocks of materials $\quad$ change during year | " | + 378 | -2.103 |
| and fuel (c) ${ }^{\text {at end of year }}$ | " | 19.218 | 93.316 |
| Payments for work done on materials given out | " | 2 | 6 |
| Payments for transport | " | 2.025 | 2.459 |
| Net output | " | 60, 275 | 88.824 |
| operatives | No. | 32,304 | 35.093 |
| Averace number employed ( $d$ ) $\quad\left\{\begin{array}{l}\text { other employees }\end{array}\right.$ | . | 8.694 | 9.092 |
| total, including working proprietors | " | 41.002 | 44,188 |
| Net output per person employed | $\varepsilon$ | 1.470 | 2,010 |
| (of operatives | \&'000 | 11.605 | 15.668 |
| Wages and salaries $\quad$ of other employees | . | 6.184 | 7.541 |
| Wages and salaries $\quad$ operatives | $\varepsilon$ | 359 | 446 |
| per head ${ }^{\text {other employees }}$ | * | 711 | 829 |
| Capital expenditure New building work (e) | £'000 | 362 | 1.101 |
| coquisitions (e) | . | 2,523 | 4.926 |
| Plant and machinery $\left\{\begin{array}{l}\text { disposals }\end{array}\right.$ | * | 389 | 387 |
| dacquisitions (e) | " | 255 | 259 |
| Vehicles $\quad$ disposals | " | 112 | 96 |

(a) The following information relates to small firms (employing fewer than 25 persons) in this
 50
103
(b) Including duty paid. less drawback, rebate. etc. The value of drawack rece ivable on tobaceo and of fals exported, deposited. etc. was $£ 162,826$. 000 for 1954 and $£ 198.102$. 000 for 19
purchases of goods for merchanting and canteen supplies are included for 1958 but
(c) Cexcluded for bonded stocks are included for 1958 but not for 1954 .
(d) Persons engaged in merchanting or factoring and canteen worker
(d) Persons engaged in merchanting or factoring and canteen workers are included for 1958 but
(e) Excluding expenditure at establishments not yet in production.

Sales of principal products of the industry by larger fims, including sales by establishments classified to other industries


(c) The value of drawback receivable was $£ 30,507.000$ for 1954 and $£ 47,548.000$ for 1958 .
(d) The value of drawback receivable was $£ 9.598 .000$ for 1954 and $£ 22.769 .000$ for 1958 .
(e) Amount charged. This figure represents the total number of returns made by larger firms in this
(f)


TABLE 5 - Sales of principal products of the industry by establishments

$$
\text { Firms employing } 25 \text { or more persons: United Kingdom }
$$

No sales of principal products of the industry were recorded by establishments classified to

TABLE 6 - Sales of other than principal products by larger firms in the industry Firms employing 25 or more persons: United Kingdom
The total value of sales of goods other than principal products by larger firms in the industry


TABLE 7 - Total make of intermediate products, 1958
This table is not applicable to the industry.

Employment and salaries, etc. for the week ended October 25, 1958

|  | Males | Females | Total |
| :---: | :---: | :---: | :---: |
|  | Number | Number | Number |
| Working proprietors | 3 |  | + |
| Operatives | 13.193 | 21.868 | 35.061 |
| Administrative, technical and clerical employeos | 5,386 | 3,804 | 9.190 |
| Total amployees | 18.579 | 25,672 | 44, 251 |
| Average salaries, etc. paid per head for the week to administrative. technical and clerical empleyees | $\begin{gathered} \varepsilon \\ 18.3 \end{gathered}$ | ${ }_{7.1}^{\varepsilon}$ | ${ }_{13.6}{ }^{\text {¢ }}$ |

Part


The census reports for earlier years include some items which are not included in the Report on The census reports for earlier years include some items which are not included in the Report on
the Census of Production for 1958. The most recent reports are isted below, with an indication of
any important items they contain which do not appear in the 1958 Reports. The data in alt these any important items they contain which do not appear in the 1958 Reports. The data in all the se
earlier reports is analysed in accordance with the original (1948) edition of the Standard Industrial Classification.

Census of Production for 1951: Summary Tables, Part I (H.M.S.O., 1956. Price 6s. net).
No important items which do not appear in the
1958 Reports.
1958 Reports.

Census of Production for 1951: Surmary Tables, Part II (H.M.S.O., 1956. Price 6s. net). Channels of sales. 1948
Paytents for services, 19
Shift working, 1951
Power equipment. 1951
Prime movers, 1951
Analysis of periods covered by census returns, 1948 and 1951.

The Report on the Censuses of Production for 1952 and 1953. Introductory Notes and 5 volumes. (These volumes are now out of
No important items which do not appear in the 1958 Reports.

The Report on the Census of Production for 1954. Introductory Notes, Index of Products, and 154 booklets relating to individual industries (H.M.S.O., 1956-59. Prices vary, usually from 1 s . 6 d . to 2 s . net for each booklet)

Detailed in formation about materials and fuel
Census of Production for 1954: Surmary Tables, Part I (H.M.S.O., 1958. Price 9s. net). Fuel purchased
Gas produced in certain industries
Electricity generated, purchased and sold
Materials purchased: $i$ ron and steel; non-
ferrous metals; paint; plastics materials;
cotton and rayon, nylon. etc. textiles; timbe ooton and rayon, nylon, etc. textiles: timber
packing materials; replacement parts for plemt packing materials; replacement parts for plam
etc. (In formation about purchases of other materials is given in The Report on the Census of Production for 1954. .)

Census of Production for 1954: Summary Tables, Regional analyses of gross output, net output and capital expenditure

Census of Production for 1954: Surmary Tables, Part III (H.M.S.O., 1959. Price 8s. net) Sales of particular products by certain
in Scotlund and Wa

The Report on the Censuses of Production for 1955, 1956 and 1957. Int roductory Notes and
5 volumes (H.M.S.O., 1959. Prices 1s. 6d. to 5 volumes (H.M. S.O., 1959. Prices 1s. 6d. to 3s. 6d. net according to size of volume).
No important $i$ items which do not appear in the 1958 Reports.
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