

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

VOLUME 7: INDUSTRY A ASBESTOS

.
Presented by the Board of Trates Po Parliament in pursuance of the
Statistics of Trade Act, 1947 (10 \& 11 Geo. 6 Ch. 39, Sec. 7)

LONDON : HER MAJESTY'S STATIONERY OFFICE

THIS REPORT on the Asbestos Industry relates to establishments engaged wholly or mainly in spinning and weaving asbestos and manufacturing engine and boiler packing, brake and clutch linings, etc.

This industry corresponds to minimum list heading $129(1)$ in the Standard Industrial Classification, with the addition of engine and boiler packing not of asbestos from heading $199(3)$ relating to miscellaneous manufactures.
able $\quad$ Title
No.
1 Industry summary: estimates

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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 terms in general use tions of the terms used and a description of the scope
and method of taking the census are given in the separ-
 duction for 1954 - Introductory Notes' (price 18. 6d.
net). Industrial Classification: Establishments are classif-
ied to industries according to the nature of their output and, as far as posibible. In conformity with the

 followed is that an os tablishment is classified to an
industry if its output of the principal products of that induatry accounted for a queater proportion of the velue
of its output than did its output of the principal pro-
onde

Specialist producers normally comprise thode establish ments so per cent or more of whose total output by
value is accounted for by the characteristic products of
the specialist group.
 of intermediate products. i. $e$. products which may be
further processed in the estabishments in which they are produced.
Larget establishments: The information given in the re-
port relates mainly to ${ }^{\text {Parger }}$, Iarger establishments.
estabie. establishments of firms employing on the average more
ithan 10 persons. In most cases an es abilishment com-
prises the


 Small firms are those employing on the average 10 or
fower persons.
The estim

The estimates for the industry as a whole given in
Table 1 are normally obtained by increasing the other items shown in the same proportion ac total employment. Gross output (production) is the to tal value of goodn
made and other work done during the year: it is obtan-
ed by odjusting the value of sales and ork ed by adjusting the value of sciles and work done during
the year for changes in the value of stocks of products
on hand for sale and work in progeres. on hand for sale and work in progress.


 vages. salaries, rents, rates and taxes. advertising and
other solling expenses and all other similar charges
have to be met, as well as depreciation and profits. Sales means sales during the year of goods made in the
estaflishment covered by the return or made on comiss

 tax. otc. For goods charged on a dolivered parchase
cuas tomers overs ocs. firms we re required to give the
f.o.b. value. custorers over
f.o.b. value.
Materials and fuel The total cost of materials and
fuel purchased includes alo
of materials for use in production, and of furing the year (includ-
ing oil. gas and olectricity) for all purposes: packing When firsi purchased: workshop and office materitis:
water charges; materials for repairs to buildings: water charges; materials for repairs to buildings.
plan and venhicles when carried out by firms oun .ork-
people included in their returns; consumable tork people included in their returns; consumable tools:
and parts for machinery purchased as replacements.
aurchases of goods for merchanting are excluded.
 cost of materials and fuel used. given in Table 2 . is
obtained by odjusting purchases for changes during the
year in the value of stocks. Stocks: Firms were required to give stocks of materials
and fuel . products on hand for sale, and work in proness. at income tax values.
Oustoms and Excise Duty paid on materials purchased is
normaly included in the cost of materials. Finished
nonde goods are similarly valued as they were sold. duty-paid
or duty-free. The net mount of any duty paid is de-
ducted in arriving at net output.
Employment: Total employment includes, working propriet
ors, administrative. technical and clerical employ ors, administrative, technical and clerical empleyees.
and operatives. but excludes outworkers. canteen employ
ees and porsons engaged in merchanting or any other act and operatives. but excludes outworkers, canteen employ-
eese and persons engaged in merhanting or any other ac-
tivity not covered by a firm's return. Who are shown soparately as extluded employes. Employes are per-
sonan the pay-rode (i. .e. persons whose National In.
surance cards oure held by employers). whether employed surance cardd were held
full-time or part-time.
Morking proprietors are proprietors of businesses other
than limited companies, together with members of the ir than limited companies, toget the with members of the ir
familije who worked in the busines without rece ining
fixed wages or salaries. Any persons iorking less than fixed wages or salaries. Any persons working less than
half the normal hurs are oxcluded. For Northern

Administrative, technical and clerical employees include


 men and tracers: trav.
orke office) employes.
Operatives include all other classes
broadly speaking, all manual workers.
dutworkers are persons employed by the firm ages
 insurances. contributory pensions etc. They exclude
Capital expenditure includes expenditure on ner building apital account during the year, incluaing any transpor and installation costs involved. It includes expendi-
ture in respect of eftaliinhments in Great Britain mich
had not begun production be fore the end of the year had not be gun production be fore the end of the year
(Which has not previousiy been included in the Census of
Production reports for individul (which has not previously ben included in the
Production reports for individual industries).
Symbols used:
for nil or negligible (less than half the final Where figures are rounded, e.q. given to the near-
est thousand there may be aparent slight discrepan-
cies betwen the sums of constituent items and the to tcies between the sums of constituent items and the tot.
als shomn. In some cases. figures have been combined ith others of asimilar nature whe ep publication of
separate details might disclose information relating to

| TABLE 1 Industry s | ASBEStos |  |  |  | 7/A/3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Estimates for the industry as a whole |  |  |  |  |
|  | United Kingdom |  |  | $\begin{gathered} \text { Scotland } \\ 1954 \\ (a) \end{gathered}$ | $\begin{gathered} \text { Wales } \\ \text { 1954 } \\ (a) \\ \hline \end{gathered}$ |
|  | 1948 | 1951 | 1954 |  |  |
|  | £ million | Emillion | £ million | £ million | £ million |
| Gross output (production) | 19.2 | 30.9 | 30.3 | . | . |
| Net output | 11.4 | 16.2 | 15.6 | .. | . |
| Total stocks and work in progress At beginning of year Change during year | 3.5 $+\quad 1.1$ | 5.7 $+\quad 2.2$ | 8.6 $+\quad 0.1$ | $\because$ | $\because$ |
| Capital expenditure less disposals (b) | 0.7 | 0.9 | 1.3 | . | .. |
| Wages and salaries | 4.6 | 6.8 | 7.8 | ... | .. |
|  | Thousands | Thousands | Thousands | Thousands | Thousands |
| orking proprietors | 14.8 | 17.1 | 16.4 | .. | .. |

(a) Owing to the risk of disclosure of information relating to individual firms. separate particulars cannot (b) Capital expenditure on new building work, plant, machinery' and vehicles (including (except in in 1948) that
incurred in Great Britain for establishments not yet in production). less amounts received for plant. machinery and vehicles disposed of.

| TABLE 2 |
| :--- |

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold
For subsequent years gross output includes payment to other firms and undertakings and to firms
separate transport orranisation for transport services.
(b) Payments to other firms and undertaking and to firms onn searate transport organisations. For the
(b) Payments to other firms and undertakings and to firms own separate transport organisations. For
year 1948 payments cover only transport outwards of finished qoods sold. For subsequent years they
year 1948 paymen ts cover only transport
coubr payments for transport of both fin
Number in week ended September 25, 1948.
(d) Excluding outworkers and including working proprietors.
(e) Excluding expenditure for establishents not yet in production.
ff) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951 .
(57914)

| Average number employed (a). | Estab-lish- | Grossoutput | ( $\begin{gathered}\text { Net } \\ \text { output }\end{gathered}$ | Employees |  | Wages and salaries |  | Capital <br> expenditure <br> (b) | Net output <br> per person <br> employed <br> (a) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Operatives | Others | Operatives | Others |  |  |
|  | Number | $\varepsilon^{\prime} 000$ | £. 000 | Number | Number | \&. 000 | \& 000 | ₹'000 | £ |
| $11-24$ | ${ }_{9}^{8}$ | ${ }_{640}^{272}$ | ${ }_{273}^{128}$ | ${ }_{276}^{114}$ | ${ }_{64}^{29}$ | 41 113 | ${ }_{45}^{15}$ | ${ }_{14}^{9}$ | 894 803 |
| $25-49$ 50 | ${ }_{7}^{7}$ | 640 1.102 | 273 <br> 366 | 276 374 | +64 | ${ }_{155}^{113}$ | ${ }_{56}$ | ${ }_{25}^{14}$ | ${ }_{772}$ |
| 100-199 | 7 | 1.850 | 984 | 704 | 223 | 296 | 161 | 53 | 1.061 |
| $200-299$ | 7 | 3.065 | 1.611 | 1.289 | ${ }_{355}^{480}$ | 462 246 | ${ }_{190}^{291}$ | ${ }_{22}^{94}$ | ${ }_{814} 911$ |
| $300-399$ $400-999$ | 3 3 | 1.674 <br> 3.458 | 1.818 1.847 | 650 1.606 | 355 <br> 494 | 246 714 | ${ }_{280}^{198}$ | ${ }_{83}^{22}$ | 8814 880 |
| 1.000 and over | 5 | 17.433 | ${ }_{9.198}$ | ${ }_{6}^{1.109}$ | 3.156 | 2.810 | 1.701 | 855 | 993 |
| Total | 49 | 29.494 | 15.225 | 11.122 | 4.901 | 4.838 | 2.740 | 1.154 | 950 |

Analysis according to specialisation within the industry, 1954


[^0] products by establishments classified to other industries

Larger establishments in the United Kingdom

| TABLE 5 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | 1951 |  |  |

(a) Amended figures.
(b) Amount charged iess value of compositions. etc. made and recorded as output. Work done by certain
establishments classified to this industry for 1951 has for 1954 been included in the Report on establishments classified to this
Mechanical Engineering (General).

(a) The volume number an the back of
(b) Included with -Other asbestos manufactures in 1951.
(57914)

\section*{| TABLE 7 |
| :---: |}


|  | 1954 |  |
| :---: | :---: | :---: |
|  | Quantity | Value |
|  | Tons | ${ }^{\text {E }} 000$ |
| Machinery belting of cotton, hair, balata, etc. | 1.891 | 1.765 |
| Gaskets and joints for all purposes | 601 | 679 |
| Metallic packings, other than engine and boiler packing (a) | 137 | 89 |
| Other goods | .. | 1.187 |
| Total |  | 3.720 |

Total make of intermediate products
Larger establishments in the United Kingdom
TABLE 8

|  | Returned in this industry |  |  | Returned in all industries |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1951 | 1954 |  | 1951 | 1954 |  |
|  | Quantity | Quantity | Entries | Quantity | Quantity | Entries |
| Asbestos manufactures | Tons | Tons | Number | Tons | Tons | Number |
| Yarn, carded fibre and compressed fibre sheets for joints | 18.332 | (a) | .. | 18,332 | 17,566 |  |
| Rope. string and woven cloth | 4.004 | (a) | .. | 4.093 | 4,901 | 13 12 |
| Webbing. listing and braiding (b) | . | 470 | 5 |  | 4.901 470 | 12 |
| Brake and clutch lining in sheets, rolls, coils, etc. | 5.228 | 4.690 | 11 | 5.228 | 470 4.690 | 5 11 |

(b) Not gecorded in 1951 .

Purchases of materials and fuel, 1954
Larger establishments in the United Kingdom
TABLE 9

|  | Quantity | Cost |
| :---: | :---: | :---: |
| Materials | Tons | £. 000 |
| Asbestos |  |  |
| Raw and fibre |  | . |
| Chrysotile | 19.854 | 2.442 |
| Other sorts | 19.942 | 1.254 |
| Yarn (including carded fibre) | $\begin{gathered} \text { Th. } \cdot \mathrm{wwt.} \\ 24.8 \end{gathered}$ |  |
|  | .. | 70 |
| chath and fabric for brake and clutch linings | 80.0 | 1.756 |
| Other materials of asbestos | Tons 1.384 | 242 |
|  | $\cdots$ | 27 |
| Raw cotton and cotton yarn | 3,981 | 730 |
| (57914) |  |  |


|  | Quantity | Cost |
| :---: | :---: | :---: |
|  | Th.1b. | £. 000 |
| Materials (contd.) <br> Hair and hair mixture yarns | 193 | 50 |
| Rubber in all forms | $\begin{gathered} \mathrm{Th} . \mathrm{cwt.t.} . \\ 29.8 \end{gathered}$ | 325 |
| Iron and steel in all forms | 17.4 | 124 |
| Non-ferrous metals in all forms | 28.8 | 387 |
| Replacement parts for machinery, plant and vehicles, and accessories and consumable tools bought as replacement | .. | 386 |
| Packing materials |  |  |
| Paper, paperboard, cardboard boxes and fibre board packing cases | . | 215 |
| Other | $\cdots$ | 266 |
| A11 other purchased materials | . | 3.676 |
| Fuel and electricity | Th.tons |  |
| coal | 65.3 | 265 |
| Coke | 6.9 | 37 |
| Liquid fuels (including creosote/pitch mixtures) | Th.gal. |  |
| For use in internal combustion engines | 492 | 86 |
| For burning in furnaces, boilers, kilns, ete. | 2.834 | 112 |
| Gas purchased (a) ${ }^{\text {( })}$ ( ${ }^{\text {a }}$ | Th.therms |  |
| From Gas Boards and from other sources, including other departments of the same firms | 1.627 | 94 |
| Electricity purchased (a) | Th. kWh. |  |
| From Electricity Boards and from other sources, including other departments of the same firms | 50.855 | 248 |
| All other purchased fuel |  | - |
| Total Cost |  | 13.375 |

Owing to the risk of disclosure of information relating to individual firms the total quantity of
gas and electricity obtained from other sources. including other departments of the same firms. cannot be given separately.

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

Average number of employees
Operatives
Administrative, technical and clerical employees
Total
Wages and salaries paid to
Operatives
Administrative, technical and clerical employees
Total
(57914)

| 1951 | 1954 |
| :---: | :---: |
| Number | Number |
|  | 12.403 |
| 4.371 | 11.122 |
| 16.774 | 16.901 |
| $\varepsilon^{\prime} 000$ | $£ .000$ |
| 4.586 |  |
| 2.105 | 4.838 |
| 6.691 | 2.740 |

7/A/8

Wages and salaries per head
Operatives
ive, technical and clerical employees
Superannuation and other pension funds for employees
and dependants (b)
Employers' contributions
Employess covered
Pension. etc. payments to former employees and
dependants (b)
(a) The following persons. not included above. Were also employed by larger establishments in this ner workers include for example, employees engaged in merchanting

|  | 1951 | 1954 |
| :---: | :---: | :---: |
|  | Number | Number |
| ${ }_{\text {Canteen morkers }}^{\text {Male }}$ |  |  |
| Female | 210 | $\begin{gathered} 20 \\ 204 \end{gathered}$ |
| Total | 226 | 224 |
| Other workers |  |  |
| Male <br> Female | ${ }_{98}^{211}$ | $\begin{aligned} & 236 \\ & 153 \end{aligned}$ |
| Total | 309 | 389 |
| Total excluded employees | 535 | 613 |

(b) The figures given relate to larger establishments in Great Britain only.

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

|  | 1951 |  |  | 1954 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Males | Females | Total | Males | Females | Total |
| Working proprietors | 3 | - | 3 | - | . | - |
| Operatives Administrative, technical and | 9.418 | 3.242 | 12.660 | 8.471 | 3.121 | 11.592 |
| clerical employees | 2.733 | 1.762 | 4.495 | 2.985 | 2.010 | 4.995 |
| Total employees | 12.151 | 5.004 | 17.155 | 11.456 | 5.131 | 16.587 |


| OLUME 1 | Volume 4 (contd.) | vowure 8 (contd, |
| :---: | :---: | :---: |
| A. Coal Mines | d Bookbinding Machiner | Preserved Moat |
| ous Mines and | Mechanical Enginoering (Ge | Milk Products |
| Quarries and Slate) | Elechan ical Engineering (heparing) | Sugar and Glu |
| C. Saltt Mines, Brine Pits and | Electric Wires and Cable | 1. Cooca. Chocolate and Sugar |
| D. Slate Quarries and Mines | N. Batteries and Accumulators | Preserved Fruit and Vege |
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| P. Seed Crushing and Oill Refining | E. Rayon, Nylon, etc. Weaving | H. Cardboard Box. Carton and Fibre-bard Packing Case |
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| Carts. Perambula tox | H. Tailoring, Dressmaking, et | Local Authorities (Building and |
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| F. Constructional Enginoering | C. Biscuit ${ }^{\text {D. }}$ Bacon Curing and Saus | G. Electricity Supply In <br> Water Undertakings |
| G. Mechanical Handling Equipment | D. Bacon Curing and Sausage |  |

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[^0]:    (a) Excluding outworkers and including working proprietors.
    (b) Excluding expenditure for establi shments not yet in production.

