# The Report on the <br> Census of Production <br> $$
\text { for } 1954
$$ 



BREWING AND MALTING

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 9 INDUSTRY H

BREWING AND MALTING

THIS REPORT on the Brewing and Malting Industry relates to establishments engaged wholly or mainly in the brewing of ale, stout, porter and other beer and the manufacture of malt.

This industry corresponds to minimum list heading 163 in the Standard Industrial Classification.

LIST OF TABLES

| Table No. | Title | Page | Table | Title | Page |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Industry summary: estimates for the industry as a whole | 9/H/3 | 6 | Sales of principal products of the industry by establishments classified to other industries | 9/H/6 |
| 2 | Summary of returns received | 9/H/3 | 7 | Sales in the industry of other than principal products | 9/H/6 |
| 3 | Analysis by size, 1954 | 9/H/4 | 8 | Total make of certain products | 9/H/7 |
| 4 | Analysis according to specialisation within the industry, 1954 | 9/H/5 | 9 | Purchases of materials and fuel, 1954 | 9/H/7 |
| 5 | Sales of principal products of the industry. including sales of these | 9/H/5 | 10 | Average number of employees and wages, salaries and superannuation payments | 9/H/8 |
|  | products by establishments classified to other |  | 11 | Employment in a specified week | 9/H/9 |

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Industrial Classi fication: EEtabhishanento are olias ift.


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 ents io per cent. or more of whose total output by
alue is accounted for by the characteristic products of he specialist group.
Intermediate products: For some industries figures are
given shoming the total quantities made during the year
 re produced.
Larger establishments: The information given in the re
port relates mainly to
? establishments of firms employing on the average more than 10 persons. In most cases an establishment comm
prises the whole of the premises under the same owner
 the producing works are not regarded as separate estabSmall 11 firms $a$,
fever persons. 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 as total employment Gross output (production) is the total value of goods
made and other work done during the year: it is obtained by adjusting the value of sales and work done during
the year for changes in the value of stocks of products on hand for sale and work in progress.
Net output is the amount left after deducting from the
alue of gross output the aggregate of the cost of mat-

 rages. siaries. rents. rates and taxes. advertising and
other selling 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
establishment covered by the return or made on commiss ion for it. whe ther produced in the year or not. The The
value of sales is the net selling value. i.e. The amount charged to customers, whether on an ex-works or
delivered basis. and net of any trade discounts. agents
commissions. allownces for returnable cases. purchase


Materials and fuel. The total cost of materials and
fuel purchased includes all purchases during the year fuel purchased includes all purchases during the year
of materials for use in production, and of fuel (includ-
ing oil. gas and electricity) for all purposes: packing hen first purchased; workshop and office materials
water charges: materials for repairs to buildings. plant and vehicles when carried out by firms. Own rorks.
people included in their returns consumable and parts for machinery purchased as replacements.
purchases of goods for merchanting are excluded. The oost of materials and fuel used, given in Table 2 . in
obtaned by adjusting purchases for changes during the ear in the value of $s$ tocks.
 ress, at income tax values. Customs and Excise Duty paid on materials purchased is
normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid r duty-free. The net amount of any duty paid is de
ducted in arriving at net output. Employment: Total emp
 and operatives, but excelude outworkers, canteen empes
ees and persons engaged in merchanting or any other act

 surance cards were held by employers), whether employed
full-time or part-time. Norking proprietors are proprietors of businesses other than limited companies. toget ther with members of ot the ir
families who worked in the business without receiving faililise who worked in the business without receiving
fixed wages or salaries. Any persons working loss than
half the normal hours are excluded
 Ireland directors of 1 imited compan
paid by fee only) are also included.
Administrative, tectnical and clerical employess include
directors. other than those paid by fee only (except Northern Ireland): managers, superintendents and work foremen: research, experimental, development, technica
and design employees (other than operatives): draughts
 Operatives include all other classes
broadly speaking, all manual workers. Outuorkers are persons employed by the firm who work on
materials supplied by the firm in the ir own on Wages and salaries include all overtime payments, bonus es and commissions without any deductions for income tax,
insurances. contributory pensions etc. They exclude
Capital expendi ture includes ex
work, and on plant, machinery and vehicles. charged to capital account during the year. including any transpor
and installation costs involved. It includes expendi
are in ture in respect of establishments in Gract Britain which
had not begun production be fore the end of the had not begun production be fore the end of the yea
(which has not previously ben included in the Census o
Production reports for individual industries) Symbols used:
for not available
for nil or negligible (less than half the final
Where figures are

> ent cie ale als shown. the sums of constituent items and the tot. ith others In some cases, figures have been combined separate details might disclose information relating to
an individual separate details might dis
an individual undertaking.

TABLE 1
Estimates for the industry as a whole

|  | United Kingdom |  |  | $\begin{gathered} \text { Scotland } \\ 1954 \end{gathered}$ | $\underset{\substack{\text { Wales } \\ 1954}}{ }$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1948 | 1951 | 1954 |  |  |
|  | £ million | ¢ million | £ million | £ million | £ million |
| Gross output (production) | 471.2 | 446.1 | 454.1 | 34.56 | 13.98 |
| Net output | 92.0 | 85.9 | 101.3 | 8.07 | 3.26 |
| Total stocks and work in progress At beginning of year Change during year | 34.8 $+\quad 6.1$ | 41.4 $+\quad 6.5$ | 50.1 $-\quad 3.5$ | - $\begin{array}{r}5.04 \\ -\quad 0.10\end{array}$ | 0.98 $+\quad 0.03$ |
| Capital expenditure less disposals (a) | 6.2 | 8.5 | 7.3 | - 0.81 | 0.03 0.45 |
| Wages and salaries | 24.3 | 27.5 | 31.4 | 2.97 | 0.85 |
| Total employment (including | Thousands | Thousands | Thousands | Thousands | Thousands |
| working proprietors) | 72.0 | 71.5 | 68.3 | 6.76 | 1.97 |

Capital expendi ture on new building work. and on plant, machinery and vehicles (including (except in 1948 )
that incurred in Graet Britain for establishments not yet in production). Less amounts received for plant.
machinery and vehicles disposed of.

| Surmary of returns received |
| :--- |
| TABLE 2 |

TABLE 2 (contd.)

|  | Unit | Great Britain 1948 | United Kingdom |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1951 | 1954 |
| Firms employing on average 10 or fewer persons |  |  |  |  |
| Number of returns <br> Total employment. including working | No. | 112 |  | 92 |
| proprietors | * | 568 | 541 (h) | 516 |

(a) Including 125 establishments employing ten or fewer persons particulars of which were included with
those of larger establishments on single returns. For 1948 and 1951 such estahbistments were not
separately counted and on the same basis the number of establishments in in 154 would have been 587 ,
(b) For the year 1948 gross output excludes payments for transport services outards on frinished goods. sold
For subsequent years gross output includes payments to other firms and undertakings and to firms own
separate transport organisations for transport services.
(c) The amount of drawback receivable in respect of beer brewed or purchased and bottled, and exported
(c) The amount of drawback receivable in respect of beer brewed or purchased and bottled, and exported,
deposited, etc. and the amount of allowance receivable for spoilt beer returned by customers are as
shown helow
shown be low:

| DrawbackAllowances | United Kingdom |  |
| :---: | :---: | :---: |
|  | 1951 | 1954 |
|  | £. 000 | £. 000 |
|  | 3.967 | 3.577 |
|  | 399 | 529 |

(d) Payments to other firms and undertakings and to firms' own separate transport organisations. For the Payments to other firm and undertakings and to firms. own separate transport organisations. For the
year 1948 payments cover only transport outwards of finished goods sold. For subsequen yyears they
cover payments for transport of both finished goods, sold and materials and fuel purchased. cover payments for transport of both finished goods, so
Number in week ended September 25.198 .
(e) Number in week ended Septerber 25 . 1 working proprietors.
(f) Excluding outworkers and including
(g) Excluding expenditure for estabinishents not yet in production.
(h) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for
1951.

Larger establishments in the United Kingdom

| Average number employed (a) | Estab-lishments | Grossoutput | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | Employees |  | Wages and salaries |  | Capitalexpendi ture(b) | $\begin{array}{\|c} \hline \text { Net output } \\ \text { per person } \\ \text { employed } \\ \text { (a) } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Operatives | Oth | Operative | Others |  |  |
|  | Numb | $\chi^{\prime} 000$ | £'000 | mbe | Num | £. 000 | \&. 000 | \&. 000 | £ |
| 11-24 (c) | 294 | 17.199 | 3.971 | 2.963 | 628 | 1.181 | 437 | 348 438 | ${ }_{1}^{1.103}$ |
| $25-49$ $50-99$ | 123 130 | 25.624 60.832 | 5.852 12.856 | 3.654 7.227 | 906 2.046 | 1.427 2.769 | 614 1.315 | 438 1.291 | 1.281 1.386 |
| $50-99$ $100-199$ | 130 | 60,832 66,321 | 17.014 | 8.647 | 2.673 | 3.227 | 1.685 | 1.203 | 1,503 |
| $100-199$ $200-299$ | 79 34 | 55,296 | 11.929 | ${ }_{6.663}$ | 1.900 | 2.529 | 1.204 | 721 | 1.393 |
| $300-399$ | 18 | 46.120 46.122 | 10.294 | 4.697 | 1.323 | 1.797 | 847 | 775 | 1.710 |
| 400-499 | 14 | 48.165 | 9.801 | 4.748 | 1.422 | 1.974 | 880 | 1.261 | 1,589 |
| 500-749 | 7 | ${ }^{28.468}$ | ${ }^{6} .9335$ | 3.334 | 1.016 | 1.279 | 771 | 215 | 1.594 |
| $750-999$ $1.000-1.999$ | ${ }_{7}^{6}$ | 33,521 68,909 | 7.586 14.270 | 4.150 6.629 | 2,074 | 1,770 3,055 | 837 1.653 | 458 1.027 | 1.452 1.639 |
| Total | 712 | 450.456 | 100.509 | 52,712 | 15,063 | 21.008 | 10.182 | 7.737 | 1.483 |
| (a) Excluding outworkers and including working proprietors. (b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles. Excluding <br> expendi ture for establishments not yet in production. <br> (c) Including 125 es tablishments with fewer than 11 persons employed, particulars of which were included <br> with those for larger establishments on single returns. |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | Unit | Specialists engaged in |  | $\begin{aligned} & \text { Remainder } \\ & \text { of } \\ & \text { industry } \end{aligned}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Brewing but not malting | Malting only |  |  |
| Number of establishments <br> Total value of sales and work done <br> Sales of characteristic products | ${ }^{\text {No. }}$. | ${ }^{225}$ |  |  |  |
|  | ${ }^{\prime} 000$ | 216.463 195.748 | 22.911 20.951 | 211.358 | 450.732 |
| Sales of characteristic products <br> Products on hand for sale and work in progress $\quad\left\{\begin{array}{l}\text { at beginning of year } \\ \text { change during year }\end{array}\right.$ <br> Gross output (production) |  | $\begin{array}{r}195.748 \\ +\quad .155 \\ \hline\end{array}$ | 20.951 4.802 |  |  |
|  | ". | $+\quad 119$ $+\quad 1692$ | - ${ }^{4.837}$ | 10.375 $+\quad 141$ | - ${ }^{22.332}$ |
|  |  | 216.582 | 22,374 | 211.500 | 450,456 |
|  | " | 41.812 | 15.108 | 40.024 | 96,944 |
|  | ". | $\begin{array}{r}8.846 \\ -\quad 381 \\ \hline\end{array}$ | - 4.852 | 13.689 | 27.387 |
|  | . | - ${ }_{42,193}{ }^{381}$ | - 16.465 | $\begin{array}{r}-1,320 \\ \hline 41,344\end{array}$ | - $\begin{array}{r}3.166 \\ \hline 100.111\end{array}$ |
| Payment for work done on materials given out$\text { Customs and Excise duties }\left\{\begin{array}{l} \text { on beer brewed (net) } \\ \text { on deli veries for home } \\ \text { consumption of wines and } \\ \text { spirits } \end{array}\right.$ | " |  |  | ${ }^{4} 1.306$ | 100.1119 |
|  | " | 122.249 |  | 115,928 | 238.177 |
|  |  |  |  |  |  |
|  |  | 2.659 |  | 3.183 | 5.843 |
| Payment for transport |  | 1.477 | 577 | 3.333 | 5.388 |
| Net output <br> Average number of <br> employees <br> Total employment (a)$\quad$ (operatives <br> others |  | 47,939 | 5.164 | 47.406 | 100,509 |
|  | №. | 22.490 7.150 | 4.255 | 25.967 7.182 | 52.712 15.063 |
|  |  | ${ }_{29}{ }^{2965}$ |  |  | ${ }^{15.063}$ |
| Net output per person employed (a) | $\varepsilon$ | 1.617 | 1.035 | 1.430 | 1.483 |
| Wages and salaries of operatives | £.000 | 9.015 | 1.793 | 10.200 | 21.008 |
| fof others |  | 5.087 | 562 | 4.533 | 10.182 |
| Capital expenditure New building work |  |  |  |  |  |
|  |  | 1.312 | 149 | 05 | 2.266 |
| Plant and machinery | . | 1.821 205 | 254 7 | 2.221 | 4.296 381 |
| Vehicles $\quad\left\{\begin{array}{l}\text { acquisitions } \\ \text { disposals }\end{array}\right.$ | . | 528 135 | ${ }^{65}$ | 582 | 1.175 |
|  |  |  |  |  |  |

(a) Excluding outworkers and including working proprie tors.
(b) Excluding expendi ture for es tablishments not yet in production.

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


|  | 1951 |  | 1954 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | value | Entries |
|  |  | \&. 000 |  | £. 000 | Number |
| Malt commings and other of fals including cereal screenings | .. | 634 | .. | 585 | 243 |
| Work done for the trade or on commission ( $\alpha$ ) Malting |  | 266 | .. | 240 | 34 |
| Other | .. | 305 | .. | 412 | 23 |
| Total |  | 406,394 |  | 411.816 | .. |
| Sales in other industries (see Table 6) |  | 825 |  | 768 | .. |
| Principal products of this industry sold by establishments in the industry |  | 405.569 |  | 411.048 | 417 |

## (a) Amount charged.

Sales of principal products of the industry by establishments classified
to other industries: Larger establishments in the United Kingdon
TABLE 6

|  | 1954 |  |  | Principal industries in which produced (a) |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | value | Entries |  |
|  | $\begin{aligned} & \text { Th. bulk } \\ & \text { barrels of } \\ & 36 \text { gal. } \end{aligned}$ | £.000 | Number |  |
| Beer (including ale, stout, porter, etc.. but excluding black beer) brewed for home consumption | 19 | 305 | . | 91 |
| Malt and malt flour | $\begin{gathered} \text { Th. cw t. } \\ 213 \end{gathered}$ | 463 | 11 | 2F. 8H, 9J |
| Total |  | 768 | . |  |

(a) The volume number and industry references given are to the industries shown in the list at
SABLE 7 Sales in the industry of other than principal 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 |
| Th.cwt. | Th.cwt. | Number | Th.owt. | Th.cwt. | Numb |
| 10.683 Hundreds | 9.955 | 211 | 12.386 | 12.056 | 291 |
| 371 | 348 | 18 |  |  |  |

Purchases of materials and fuel, 1954 Larger establishments in the United Kingdom
TABIE 9 $\qquad$ $\square$ Quantity

## Barley for malting

Home-grown
Imported
Haize and maize products
Other cereals
Malt
Walt extract (including malt extract syrup)
Sugar
syrup (excluding malt extract syrup) and saccharum
Clucose
Hops
Gypsum and burtonisers
Finings

Water
Liquors purchased for bottling
Beer (including ale, stout, porter, etc.)
spirits

Wine, imported
Cider and perry
Other liquors including soft drinks
Packing materials
Bottles
wooden barrels, casks and kegs
Packing cases (wood or mainly of wood)
Timber for the manufacture or reconditioning of
(59572)

| Quantity | Cost |
| :---: | :---: |
| Th.owt. | $\varepsilon^{\prime} 000$ |
| 12.887 | 19,580 |
| 381 | 528 |
| 228 | 423 |
| 175 | 405 |
| 234 | 579 |
| 5.439 | 17.711 |
| 155 | 736 |
| 1.198 | 3.841 |
| 164 | 518 |
| 87 | 272 |
| 208 | 6.264 |
| 44 | 84 |
| $\stackrel{300}{ }$ | $\begin{aligned} & 202 \\ & 180 \end{aligned}$ |
| Th. gal. |  |
| 4,896.105 | ${ }_{33}^{299}$ |
| Th. bulk barrels |  |
| 1.045 | 20.062 |
| Th.proof gal. |  |
| ${ }^{496}$ | 1.360 ${ }_{326}$ |
| Th.gal. |  |
| 531 | 844 |
| 640 | 97 |
| 640 | 110 |
| . 97 | $\begin{aligned} & 91 \\ & 25 \end{aligned}$ |
|  |  |
| 6.675 | $\begin{aligned} & 852 \\ & 433 \end{aligned}$ |
| Th. |  |
| 127 | 623 |
| Th.cu.ft.timber |  |
| 245 | 230 |
|  | 182 |
| 259 | 347 |
|  |  |



|  | 1951 | 1954 |
| :---: | :---: | :---: |
| Wages and salaries per head | $\varepsilon$ | $\varepsilon$ |
| Operatives | ${ }_{5}^{328}$ | 399 |
| Administrative, technical and clerical employees |  |  |
| Superannuation and other pension funds for employees and dependents (b) |  |  |
| Employers ${ }^{\text {c }}$ contributions | .. | 1.315 |
|  |  | Number |
| Employees covered | .. | 29.383 |
|  |  | £ 000 |
| Pension, etc, payments to former employees and dependents (b) | .. | 783 |

(a) The following persons, not included above, were also employed by larger establishments in this
industry (other workers includes, for example, employees engaged in merchanting):

|  | 1951 | 1954 |
| :---: | :---: | :---: |
|  | Number | Number |
| Canteen workers Males |  | 29 |
| Females | 422 | 439 |
| Total | 452 | 468 |
| Other workers Males | 4.104 | 4.415 1.307 |
| Total | 4,620 | 5.722 |
| Total excluded employees | 5,072 | 6.190 |

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

| Average number of employees, and wages, salaries and superannuation payments (a) <br> Larger establishments in the United Kingdom |  |  |
| :---: | :---: | :---: |
|  |  |  |
|  | 1951 | 1954 |
|  | Number | Number |
| Average number of employees |  |  |
| Operatives ${ }_{\text {Administrative, technical and clerical employees }}$ | $\begin{aligned} & 55,767 \end{aligned}$ | $\begin{aligned} & 52,712 \\ & 15,063 \end{aligned}$ |
| Total | 70.825 | 67.775 |
|  | £. 000 | ¢ 000 |
| Wages and salaries paid to |  |  |
| Operatives ${ }_{\text {Administrative, technical and clerical employees }}^{\text {ald }}$ | 18,274 9,016 | $\begin{gathered} 21.008 \\ 10.182 \end{gathered}$ |
| Total | 27.289 | 31.190 |


| Employment in a specified week (a) <br> Larger establishments in the United Kingdom |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TABLE 11 |  |  |  |  |  | Number |
|  | 1951 |  |  | 1954 |  |  |
|  | Males | Females | Total | Males | Females | Total |
| Working proprietors | $22^{\circ}$ | - | 22 | 17 | - | 17 |
| Operatives | 47.963 | 8.189 | 56.152 | 45.309 | 7.372 | 52.681 |
| Administrative, technical and clerical employees | 11.715 | 3.426 | 15,141 | 11.446 | 3.703 | 15.149 |
| Total employees | 59,678 | 11.615 | 71.293 | 56.755 | 11.075 | 67.830 |

(a) Week endod September 22, 1951, or October 30, 1954.

## LIST OF INDUSTRY REPORTS

volume 1

## 

volume 4 H. Printing and Bookbinding Machiner

1. Mechanical Engineering (General)
 R. Electrical Engineering IGeneral) L. Electric Mires and Cables N. Bateries and Accump1a tors
O. Electric Ligh ting Accessories and
Fittinge O. Electric Lic
volume 5
A. Tool and Implement
B. Cutlery
B.
C. Chan. Nal1. Screr and Misce 1 laneous Forgings
D. Wire and Mre Man facturos
E. Hardrarare. Hollon-ware, Metal E. Hardarare. Hollow ware, Me tal
Furniturn hat heet Metal
F. Brass Manu factures F. Brass Manu factures Hooks and

> н.

| H. S |
| :--- |
| I. |
| I. |
| J. |
| L. |
| L. |
| . |


volume 6
A. Cotton Spinning and Doubling
B. Cotton Weaving
A. Coton Slining
B. Coton Woaring
C. Woollen and

F. Flax Pr

Processing
and Soft How
G. Linen
H. Jute
I. . Hope. T
T. Hosier

Rope. Twin
Hosiery an
and Oth
N. Canvas Goods and Sacks
O. Toxtile Converting
O. Textile Converting
P. Made-up Household Textiles
P. Madie-up Household
Q. Tertile Finishing
R. Textile Packing
vowne 7

Industries
F. Fellmor (Tanning and Dressing)
E. Foll limgonery
G. Fur
H. Tailoring. Dressmaking. otc
I. Hats, Caps and Millinery H. Tailoring. Dressmaking, ote

1. Hats. Caps and Millinery
J. Glove K. Umbrellia and Walking Stick
L. Boot and Shoe
B. Marinue Ening and Stineering

Marine Enginee
Machine Tools
Textile Mach
Sall Arms and Accessorio
Constructionalitan
C. Monstructional Enginoer ing
volume 8
A. Grain Milling
B. Bread and Flour Confectione
C. Biscust
vowime 8 (contd.)

## Preserved Moat Milk Products

Milk Products
Ice Creand
Sugar and
aluc
H. Sugar and Glucose

1. Cocar. Chocolote and Sugar
Con fectionery
J. Preserved Fruit and Vogetables
volure 9
A. Margarine
C. Cattle. Dog and Poultry Foods
D. Vinegar and Other Condimente
Starch Starch
Miscellaneous Proserved Foods
Breing and Malting
Wholean Whilesalo Bott1ing
J. Spirit Distilling
L. Soft Drinks. British \#ines
L. Sofd Cider
M. Tobacceo
vowne 10
${ }^{\text {A. }}$ Timber
Funniture and Uphols tery
Soft Furnishings Soft Furnilishings
Shop and Office Fiting
Wooden Containers and Buakete E. Fooden Con toile ers and Baskete F. Foper and Bo
G. wallpaper

Cardboperr
Fibre-board Pard Pactina and

1. Manufactured Stationg eary. Pupe

Bug and Kindred Indus, ries
J. Nestspaper and Pertiodicil
K. Printing and Publishing, $\begin{aligned} & \text { Bookbind ing. Engraving. otc. }\end{aligned}$
volume 11
A. Rubber

Linolieum, Leathercloth and Ariied Indus tries


vowne 12
A. Building and Contrating
B. Wcal
Cinthoritles (Building and
C. Civiliaynginering)
D. Trammay, Trolley Bus and

Onnibus Undertakings
(Civil Engineering)
E. Cann1, Dock and Harbbur
Under takings (Clivi)

Under takings
Engineering)
F. Gas Supply Indus try
G. Electricity Supply Indus try
H. Water Undertakings

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