

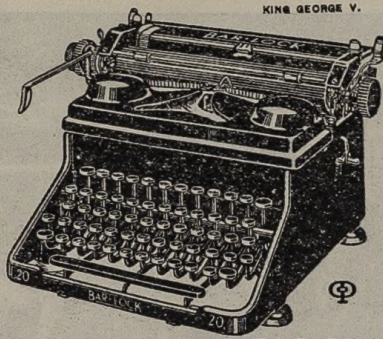
# BAR-LOCK

TYPEWRITERS  
FOR SPEED AND EFFICIENCY

**THE NEW BAR-LOCK MODEL 20**, the newest standard typewriter on the market. Perfected for lightness of touch, speed and alignment. Redesigned tabulator with a stop for every letter space—totally enclosed mechanism, reducing sound—six interchangeable carriages—unrivalled length of life and lowest rate of depreciation—English manufacture throughout.

**BAR-LOCK FOUR-BANK PORTABLE** 88 character keyboard, automatic ribbon reverse, 8 in. visible writing line. Remarkably compact and efficient. **9 gns.**

**BAR-LET No. 2 PORTABLE** Light, strong, reliable, easy to master and a pleasure to use. **6½ gns.**



Manufactured by **BAR-LOCK TYPEWRITER CO. NOTTINGHAM**  
Phone: 75141/2 'Grams: Barlock, Nottingham

"Use a typewriter made in the United Kingdom"

## PERFECT TIMING

*Builds up Records*

Yes, and perfect Time Control helps to make records of another kind; cuts out waste at every stroke, prevents lagging, increases precision, makes every day's work a winner. If it's a GLEDHILL-BROOK installation it's an Umpire because it is fair to both sides, masters and men. Please write for full information.



## TAYLOR'S for TYPEWRITERS

ADDERS : CALCULATORS : DUPLICATORS

All makes for Sale, Hire, Repair, Exchanges. Special Terms for C.S.

ASK FOR LIST

74, CHANCERY LANE (Holborn end), W.C.2.

Tel.: HOL 3793

Estimates given for Portland Stone, block, sawn, worked, or fixed complete.

## F. J. BARNES LIMITED

Stone Quarries and Masonry Works,

PORTLAND :: DORSET

Telephone: Portland 2102.

London Office: 25 NINE ELMS LANE, S.W.8. Tele.: Macaulay 1479

## SAMUEL GILL & SONS

Designers and Manufacturers of Jigs, Tools, Fixtures, Gauges and Special Machines

LYTHALLS LANE, COVENTRY

Tel. Cov. 88605.

Air Ministry Authority 707713/37

## HENDERSON MACCALL & Co., Ltd.

(Established 1908)

Shipping, Forwarding, Customs Clearance, Marine Insurance, Haulage, &c.

Head Office: 83 Cannon Street, London, E.C.4

Branches: 310 Royal Liver Building, Liverpool, 3  
105 St. Vincent Street, Glasgow, C.2

## EDWARD BOX & CO LTD

ROAD TRANSPORT ENGINEERS

LIVERPOOL — LONDON — BIRMINGHAM  
MANCHESTER — SHEFFIELD — GLASGOW

MAKE UP ANY LOST TIME—SEND YOUR GOODS BY ROAD  
Head Off.: Spekehall Rd., L'pool. Phone: Gateacre 1201

For competent and well-educated secretaries and shorthand-typists

Apply to:—

**MRS. HOSTER, F.C.I.S.**

St. Stephen's Chambers, Telegraph Street, London, E.C.2

Tel. MET. 2811 (5 lines)



May

1939

# THE MINISTRY OF LABOUR GAZETTE

## CONTENTS.

PAGE

**Employment, Wages, Cost of Living, and Trade Disputes in April** .. .. . 159

**Special Articles, Reviews, etc. :—**

Strikes and Lock-Outs in 1938 : Statistical Review .. .. .	160
The Special Areas : New Commissioner for England and Wales .. .. .	162
Output, Costs, Proceeds and Wages in the Coal-Mining Industry .. .. .	162
Poor Relief : Fourth Quarter, 1938 .. .. .	162
The Headmasters' and Headmistresses' Employment Committees : Reports for 1938 .. .. .	163
Holidays with Pay .. .. .	163
Labour Legislation in France .. .. .	163
Wages and Working Hours of Industrial Workers in Japan .. .. .	164

**Employment and Unemployment in April :—**

General Summary .. .. .	165
Unemployment Chart .. .. .	166
Vacancies Notified to, and Filled by, Employment Exchanges .. .. .	166

**Employment in some of the Principal Industries :—**

Coal Mining .. .. .	167	Wool .. .. .	169
Iron Mining .. .. .	167	Boot and Shoe .. .. .	170
Shale Mining .. .. .	167	Brick .. .. .	171
Pig Iron .. .. .	167	Building .. .. .	171
Iron and Steel .. .. .	168	Pottery .. .. .	171
Tinplate and Steel Sheet .. .. .	168	Paper, Printing and Bookbinding .. .. .	171
Engineering .. .. .	168	Dock Labour .. .. .	171
Shipbuilding .. .. .	168	Seamen .. .. .	172
Cotton .. .. .	169		

Numbers on the Registers in the Principal Towns .. .. .	172
Composition of Unemployment Statistics : Great Britain .. .. .	173
Unemployment Fund .. .. .	173
Periods of Registered Unemployment : Analysis in respect of Persons applying for Insurance Benefit or Unemployment Allowances .. .. .	173
Applicants for Insurance Benefit and Unemployment Allowances : Divisional Analysis .. .. .	173
Unemployment among Insured Persons : Industrial Analysis .. .. .	174
Principal Changes in Numbers Unemployed .. .. .	177
New Entrants into Unemployment Insurance .. .. .	177

**Juvenile Unemployment Statistics :—**

Registered Unemployed : Divisional Analysis .. .. .	178
Insured Unemployed : Divisional Analysis .. .. .	178
Vacancies Filled : Divisional Analysis .. .. .	178
Attendances at Courses of Instruction .. .. .	178

Unemployment among Boys and Girls, under 16 years of age, in Insured Industries .. .. .	178
Unemployment Insurance : Adjudications by the Statutory Authorities .. .. .	179

Poor Relief in April .. .. .	179
Employment Overseas .. .. .	180
Changes in Rates of Wages and Hours of Labour in April .. .. .	181
Prices and Wages in the Iron and Steel Industries .. .. .	184
Trade Disputes in April .. .. .	185
Changes in Cost of Living : Statistics for 1st May .. .. .	186
Retail Prices Overseas .. .. .	187
Fatal Industrial Accidents .. .. .	187
Industrial Diseases .. .. .	187
Building Plans Approved : Statistics for April and First Quarter, 1939 .. .. .	188
Industrial Transference .. .. .	188

**Official Notices, etc. :—**

Legal Cases affecting Labour .. .. .	188
Unemployment Insurance :— Decisions given by the Umpire .. .. .	188
Unemployment Insurance Statutory Committee : Report on Draft Contributions (Amendment) Regulations .. .. .	189
Industrial Courts Act, 1919, and Conciliation Act, 1896 .. .. .	189
Trade Boards Acts .. .. .	189
Factories Act, 1937 : New Regulations .. .. .	190

**Official Publications Received** .. .. . 190

**Government Contracts** .. .. . 190

## TUNNELS for A.R.P. SHELTERS



The entrance to newly constructed A.R.P. Tunnel for the Austin Motor Co. Ltd., Birmingham. Photo—J. P. Legrand

Wherever local strata permit, TUNNELS at a depth of 40 to 50 feet offer the finest possible form of protection against air attack. The illustration shows our men working on a large A.R.P. TUNNEL for the Austin Motor Co., Ltd., Birmingham. This will afford complete protection for 10,000 workers.

Write — or 'phone — for suggestions without obligation

**LEGRAND SUTCLIFF & GELL LTD.**

TUNNELLING & WATER SUPPLY ENGINEERS, SOUTHALL, LONDON. Tel.: Southall 2211 (7 lines)

(A) 7593

### COMPULSORY LIGHT OBSCURATION

## RHEAD & EVANS PORTABLE MERCURY ARC LIGHTING SET

**White Light for darkened windows.** 100,000 Candle Power from 12-Volt Car Battery.  
**Black Light in the open or where windows are insufficiently covered or shuttered.** 10,000 Square Feet floodlit by 80-watt lamp.

For use in A.R.P. Nerve Centres, Demolition Squads, Hospitals, Factories, etc. No Mains. No duplicate wiring. No danger with explosive gas or broken gas mains.

PRICE FROM 29 GUINEAS

### BLACK LIGHT ON TRANSPORT

Drive without light at normal speeds with Gas Masks. Absolutely essential for Fire Brigades, Ambulances and National Transport. The only scientific method of travelling in fog.

PRICE £25 COMPLETE

#### Black Light Equipment:

Luminous Roadway Kerb and line paints, 10/- to 20/- per mile.	Luminous Synthetic Mouldings.
Luminous Clear Varnish.	Luminous Arm bands and Buttons.
Luminous Rope and Fabric.	Luminous Cycle Tips.
Luminous Vitreous Enamel.	Luminous Adhesive Tapes.

**RHEAD & EVANS, Jubilee Works, GRANDPONT, OXFORD**

CHROMIUM, CADMIUM AND NICKEL PLATING, ANODISING  
*also Metal Finishing of every kind*  
CELLULOSE SPRAYING IN ALL COLOURS AND FINISHES  
*to Government Specifications*

We have an extensive plant for this class of work and ask for your enquiries

**JOHN WILKINS & CO. LTD.**  
231-243 ST. JOHN STREET, CLERKENWELL, E.C.1

Telephones:—TERMINUS 2176, 2177, 2178

## ARMY TYPE HUTS

(NEW AND SECOND-HAND) STOCKED  
CONTRACTORS' OFFICES



**Garages Portable Huts**  
INSTALMENTS OR CASH TERMS LIST FREE

500 KINDS GOVERNMENT AND OTHER SURPLUS GOODS

HOPE'S NEW **STEEL WINDOWS** (Surplus Line) SUITABLE FOR HOUSES AND FACTORIES, ETC., AT 50% OFF STANDARD LIST PRICES. Many sizes and designs. Particulars on application.  
GIRDERS, PICKAXES, TABLES, FORMS 32-PAGE SURPLUS LIST FREE

**JENNINGS SURPLUS LTD., 858 PENNYWELL ROAD, BRISTOL**



**BEACHCROFT CONCRETE SLAB & BLOCK CO. LTD. LEYTONSTONE, E.11**

MARyland 4747 & 4748

*Beachcroft Partitions*

MARyland 4747 & 4748

## A. R. P.

Hollow Concrete Blocks 9" x 9" x 18". Concrete Solids 3", 4", 6", etc., as recommended for Wall and Trench Construction.

H.M. OFFICE OF WORKS. HOME OFFICE ETC.

Let us quote you. 20 years' partition experience at your service.

Guaranteed Crushed Shingle and Sand. Blocks to B.S. Specification.

## GILLINGHAM PORTLAND CEMENT CO., LTD.

**BULLDOG  
BRAND**

**PORTLAND  
CEMENT**

Head Office and Works—  
GILLINGHAM,  
KENT.  
Tel. No. Gillingham, Kent 5265.



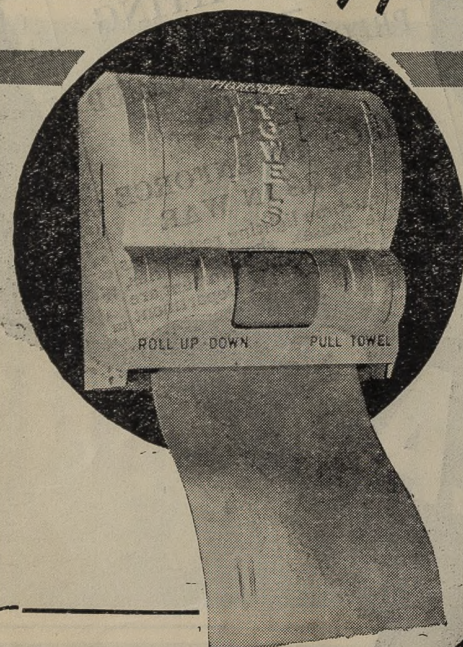
**SPEEDICRETE  
BRAND**

**RAPID-HARDENING  
CEMENT**

London Sales Office—  
Universal House,  
56-62, Buckingham Palace Rd.  
S.W.1.  
Tel. No. Sloane 1587

## This CONTROLLED-DELIVERY TOWEL CABINET

*Solves every problem of the Factories Act*



The requirements of the new Factories Act are stringent . . . but the HARCRAFT Towel Service more than meets them. HARCRAFT Paper Towels are the finest in the world; of maximum absorbency, softness and wet strength. One towel will dry the hands thoroughly, without fluffing, leaving the skin absolutely smooth. They are delivered singly, flat for use from a unique fool-proof cabinet and the only towel you touch is the one you use. HARCRAFT minimises infection risks amongst employees . . . AND WILL CUT YOUR TOWELLING COSTS BY AS MUCH AS 33½%. Write for descriptive leaflet, or one of our representatives will be pleased to demonstrate them to you.

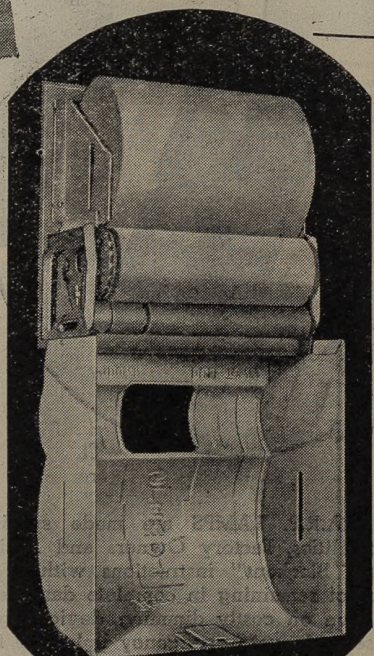
THE WORLD'S FINEST  
QUALITY PAPER TOWELS

•  
EVERY TOWEL  
A **NEW** TOWEL

•  
ONE TOWEL ONLY DRIES  
HANDS THOROUGHLY

•  
100% SANITARY

•  
NO WASTAGE  
NO PILFERAGE



HOLDS  
**470**  
TOWELS  
and can be  
REFILLED  
IN **3**  
SECONDS

# HARCRAFT

# THE MINISTRY OF LABOUR GAZETTE

PUBLISHED MONTHLY.

VOL. XLVII.—No. 5.]

MAY, 1939.

[PRICE SIXPENCE NET.]

## EMPLOYMENT, WAGES, COST OF LIVING, AND TRADE DISPUTES IN APRIL.

### EMPLOYMENT AND UNEMPLOYMENT.

THERE was a further improvement in employment between 13th March and 17th April.

*Insured Persons in Work.*—It is provisionally estimated that at 17th April, 1939, the number of insured persons, aged 16-64, in employment in Great Britain was approximately 12,511,000. This was 108,000 more than at 13th March, 1939, and, on a comparable basis, about 270,000 more than at 4th April, 1938.

*Numbers Wholly Unemployed (excluding Persons normally in Casual Employment).*—At 17th April, 1939, there were 1,343,295 persons on the registers of Employment Exchanges in Great Britain who were out of a situation. This was 85,790 less than at 13th March, 1939, but 22,234 more than at 4th April, 1938.

*Numbers Temporarily Stopped.*—At 17th April, 1939, there were registered as unemployed in Great Britain 238,729 persons who were on short time or otherwise temporarily suspended from work. This was 7,484 more than at 13th March, 1939, but 119,549 less than at 4th April, 1938.

*Numbers unemployed normally in Casual Employment.*—At 17th April, 1939, there were on the registers in Great Britain, 62,370 unemployed persons who normally seek a livelihood by means of jobs of short duration. This was 4,229 less than at 13th March, 1939, and 6,055 less than at 4th April, 1938.

*Applicants for Benefit or Allowances.*—The total of 1,644,394 persons on the registers at 17th April, 1939, included 896,790 persons with claims admitted for insurance benefit, 538,880 persons with applications authorised for unemployment allowances, 34,946 persons with applications for benefit or allowances under consideration and 173,778 other persons, of whom 51,761 were under 16 years of age.

*Percentages Unemployed.*—Among insured persons, aged 16-64, the percentage unemployed in Great Britain and Northern Ireland at 17th April, 1939, was 11.4, as compared with 12.1 at 13th March, 1939. For 4th April, 1938, the percentage (which excludes the classes brought into insurance in April, 1938) was 12.4. For persons insured under the general scheme the corresponding percentages were 11.6 at 17th April, 1939, 12.3 at 13th March, 1939, and 12.7 at 4th April, 1938. For persons within the agricultural scheme the percentages were 6.1, 7.8 and 5.7 respectively.

*Industries in which the Principal Variations occurred.*—Employment improved between 13th March and 17th April in building, public works contracting, agriculture and horticulture, ship building and repairing, engineering, iron and steel manufacture, the motor vehicle, cycle, and aircraft industry, metal goods manufacture, the cotton and tailoring industries, the distributive trades, hotel and boarding house service, entertainments, sport, etc., and railway and shipping services. On the other hand, employment declined in the

wool textile and hosiery industries and in boot and shoe manufacture.

### WAGES.

In the industries for which statistics are regularly compiled by the Department, the changes in rates of wages reported to have come into operation in April are estimated to have resulted in an increase of about £12,400 in the weekly full-time wages of 276,000 workpeople, and in a decrease of £13,900 in those of 366,000 workpeople.

The principal groups of workpeople whose wages were increased were coal miners in Lancashire and Cheshire, Nottinghamshire, South Derbyshire, Cannock Chase, North Staffordshire, Leicestershire, Warwickshire, Forest of Dean, and Scotland; and roadstone quarryworkers in a number of districts.

The decreases mainly affected coal miners in Northumberland, Yorkshire, and North Derbyshire; iron puddlers and millmen in the Midlands; workpeople employed in steel sheet rolling mills in various districts; and those engaged in textile bleaching, dyeing, printing and finishing.

The changes so far reported in the four completed months of 1939, are estimated to have resulted in a net increase of about £88,000 a week in the full-time wages of 653,000 workpeople, and in a net decrease of £21,000 in those of 260,000 workpeople.\*

### COST OF LIVING.

At 1st May the average level of retail prices of the commodities taken into account in the statistics compiled by the Ministry of Labour (including food, rent, clothing, fuel and light and miscellaneous items) was approximately 53 per cent. above the level of July, 1914, as compared with 53 per cent. at 1st April, 1939, and 56 per cent. at 30th April, 1938. For food only the corresponding percentage at 1st May, 1939, was 34, as compared with 35 at 1st April, 1939 and 39 at 30th April, 1938.

These statistics are designed to indicate the average increase in the cost of maintaining unchanged the pre-war standard of living of working-class families. Accordingly, the changes in the prices of the various articles included are combined proportionately to the relative importance of those items in pre-war working-class family expenditure, no allowance being made for any changes in the standard of living.

### TRADE DISPUTES.

The number of trade disputes involving stoppages of work reported to the Department as beginning in April was 61. In addition, 19 disputes which began before April were still in progress at the beginning of that month. The approximate number of workpeople involved in these 80 disputes, including workpeople thrown out of work at the establishments where the disputes occurred, was 26,000, and the aggregate duration of the disputes in April was about 143,000 working days.

\* Of the 366,000 workpeople whose rates of wages were reduced in April, about 145,000 had received increases of greater or equal amounts during the earlier months of 1939.













Table with columns for Districts, Number of Workpeople, Total Wages paid to all Workpeople, and various indices for employment changes.

The following Table shows, by districts and by departments, the percentage increases or decreases in the numbers employed in the week ended 22nd April, 1939, by those firms who supplied returns for the purpose of the foregoing Table (excluding the carpet section), as compared with the week ended 18th March, 1939:—

Table showing percentage changes in numbers employed for different wool textile departments (Wool Sorting, Spinning, Weaving, etc.) and districts.

The following Table shows the number of men and women (other than casuals) on the Registers of 17 Employment Exchanges in the principal wool textile trade centres at 17th April, 1939:—

Table showing the number of men and women on registers for various wool textile processes and departments.

\* Comparison of earnings is affected by changes in rates of wages. † Most of the districts are indicated by the names of their principal towns, but neighbouring towns and areas are included in each case.

BOOT AND SHOE INDUSTRY.

Employment at 17th April showed a slight decline as compared with 13th March, 1939. Extended holiday stoppages caused an increase in short-time working in some districts.

The percentage unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, was 9.9 at 17th April, 1939, as compared with 8.5 at 13th March, 1939, and with 11.7 at 4th April, 1938.

The following Table summarises the information received from those employers who furnished returns:—

Table with columns for Districts, Number of Workpeople, Total Wages paid to all Workpeople, and various indices for employment changes.

Returns from firms employing about 62,000 workpeople in the week ended 22nd April, 1939, showed that about 24½ per cent. of these workpeople were on short time in that week, losing 7½ hours each on the average, while about 14½ per cent. were on overtime to the extent of 2½ hours each on the average.

Employment in London showed a slight decline with some short-time working; it was moderate in both East and North London. Employment at Leicester showed a slight improvement, but a considerable number of people worked short time.

At Northampton there was a slight decline in employment, with an increase in short-time working, but employment was better than a year ago. In the Higham and Rushden district there was a slight improvement in employment, and there were nearly as many people working overtime as short time; at Kettering, also, there was a slight improvement, and at Wellingborough conditions were reported to be better than a year ago.

At Stafford there was a decline in employment with a considerable increase in short-time working. Conditions were described as worse than usual at this time of the year.

Employment showed a further slight improvement at Norwich; there were more people working overtime than short time.

Employment in the Bristol and Kingswood district showed a decline owing to seasonal slackness. At Leeds there was an improvement in employment on the whole.

In the Lancashire slipper trade employment improved and was fairly good: the number of people working overtime was considerable, and exceeded the number on short time. At Kendal and Bacup employment continued good.

In Scotland there was a slight decline in employment; it was moderate in most districts.

The following Table shows the number of men and women (other than casuals) on the registers of 53 Employment Exchanges in the principal centres of the boot and shoe industry at 17th April, 1939:—

Table showing the number of men and women on registers for various boot and shoe manufacturing departments.

\* Comparison of earnings is affected by changes in rates of wages.

BRICK INDUSTRY.

EMPLOYMENT showed a further improvement during April and continued fair.

The percentage unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, was 10.2 at 17th April, 1939, as compared with 11.2 at 13th March, 1939, and 8.4 at 4th April, 1938.

The following Table summarises the information received from those employers who furnished returns:—

Table with columns for Districts, Number of Workpeople, Total Wages paid to all Workpeople, and various indices for employment changes.

Returns from employers relative to short-time working, exclusive of time lost on account of bad weather, showed that, of 20,248 workpeople employed by firms furnishing information, nearly 3½ per cent. were working on an average about 15½ hours less than full time in the week ended 22nd April, 1939. On the other hand, 3 per cent. were working overtime to the extent of 7 hours each on the average.

BUILDING.

DURING April employment continued to improve, and was fair on the whole. The improvement affected all administrative divisions, and all occupations except plasterers and plumbers; it was most marked in the painting and decorating branch.

As regards individual occupations, employment was fair with carpenters, bricklayers, masons and plumbers, moderate with slaters and tilers and painters, and slack with plasterers. With labourers to skilled occupations and builders' labourers employment was moderate, but there was a considerable amount of unemployment among navvies, general labourers and certain other occupations.

The following Table shows the numbers and percentages unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, at 17th April, 1939, and the increases or decreases as compared with a month before and a year before:—

Table with columns for Occupations, Estimated Numbers aged 16-64 Insured at July, 1938, Numbers aged 16-64 Unemployed at 17th Apr., 1939, Numbers included in previous column who were Temporarily Stopped, Percentage Unemployed, Increase (+) or Decrease (-) in Percentage as compared with a Month before, and Increase (+) or Decrease (-) in Percentage as compared with a Year before.

BUILDING PLANS APPROVED.

Returns as to the estimated cost of buildings for which plans were approved during April have been received from 142 Local Authorities (representing towns with a population of 17,401,000 in 1931). The returns show that, in April, 1939, plans were passed for buildings with an estimated cost of £7,531,300, compared with £8,234,800 in April, 1938.

An analysis of the figures for April, 1939, by districts and by classes of buildings, is given on page 188 of this issue.

POTTERY INDUSTRY.

EMPLOYMENT in North Staffordshire showed little change and remained slack on the whole. At Bristol and at Derby employment continued good.

The percentage unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, was 20.0 at 17th April, 1939, as compared with 19.8 at 13th March, 1939, and 18.4 at 4th April, 1938.

The following Table summarises the information received from employers who furnished returns:—

Table with columns for BRANCHES, Districts, Number of Workpeople, Total Wages paid to all Workpeople, and various indices for employment changes.

Returns from employers relative to short-time working showed that of 9,794 workpeople employed by firms making returns, 2,056, or 21 per cent., were working on an average about 12 hours less than full time in the week ended 22nd April, 1939; on the other hand, 250, or about 2½ per cent., were working overtime to the extent of 7 hours each on the average.

PAPER MANUFACTURE, PRINTING AND BOOKBINDING.

EMPLOYMENT in the paper-making industry in April showed little change as compared with the previous month, and was fairly good generally. It was considerably better than in April, 1938.

In the letterpress printing industry employment showed little change as compared with March, and was still good on the whole. At some centres, however, including Leeds and Liverpool, it was reported as slack, while at certain other centres, including Glasgow and Birmingham, it was moderate or fair.

Employment in the lithographic printing industry showed little change as compared with the previous month, but a decline as compared with a year ago. With lithographic artists it continued fair generally.

In the bookbinding industry employment at the end of April showed a decline as compared with March, but was still good on the whole.

The percentage unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, in the paper and paper-board industries was 6.7 at 17th April, 1939, as compared with the same figure at 13th March, 1939, and with 9.7 at 4th April, 1938. The corresponding percentages unemployed in the printing and book-binding industries were 7.6, 7.6 and 7.1; in the cardboard box, paper bag and stationery industries they were 6.4, 6.7 and 6.9.

The following Table summarises the returns from various trade unions which furnished information:—

Table with columns for Unions, No. of Members of Unions at end of April, 1939, Percentage Unemployed at end of April, 1939, Increase (+) or Decrease (-) on a Month before, and Increase (+) or Decrease (-) on a Year before.

DOCK AND RIVERSIDE LABOUR.

EMPLOYMENT showed some further improvement between 13th March and 17th April, 1939, and was moderate. It was better than in April of last year.

The percentages unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, in dock, harbour, river and canal service was 26.6 at 17th April, 1939, as compared with 27.4 at 13th March, 1939, and 26.4 at 4th April, 1938.

13th March, 1939, and 27.5 at 4th April, 1938. In harbour, river and canal service, the corresponding percentages were 10.3, 10.8 and 10.5; in dock, wharf and lighterage (port transport) service, they were 29.5, 30.4 and 30.5.

London.—Employment showed little change as compared with March: some seasonal slackness was reported. The following Table shows the average daily number of dock labourers employed at docks and wharves in respect of which returns were received:—

Table showing Average Daily Number of Labourers employed in Docks and at Principal Wharves in London. Columns include Period, In Docks (By the Port of London Authority or through Contractors, By Ship-owners, etc., Total), At Wharves making Returns, and Total Docks and Principal Wharves.

Tilbury.—The average daily number of dock labourers employed during April was 1,137, as compared with 868 in March, 1939, and 1,023 in April, 1938.

North-East Coast Ports.—Employment showed further improvement at some ports, but continued moderate on the whole.

Mersey.—Employment at Liverpool fluctuated but was fair generally; at Garston it continued to improve; at Salford it was poor, and worse than a year ago.

The average weekly number of dock labourers registered at the clearing houses under the Liverpool Docks Scheme as employed in the four weeks ended 28th April, 1939, was 12,281, compared with 11,985 in March, 1939, and with 11,410 in April, 1938. The average weekly amount of wages paid to these men through the clearing houses was £32,072 in the four weeks ended 28th April, 1939, compared with £32,918 in March, 1939, and with £28,021 in April, 1938.

In both years the month of April included the Easter holiday period.

Other Ports in England and Wales.—Employment at Cardiff continued to show some improvement, and was fairly good; at Swansea it remained moderate. At Bristol and Avonmouth it continued fairly good; at Plymouth and Southampton it showed some improvement and was fair and moderate respectively.

Scottish and Irish Ports.—Employment at Glasgow continued to improve but remained moderate on the whole; at Leith it declined and was worse than a month and a year ago; at Dundee it showed little change and was moderate; at Grangemouth it declined somewhat but remained moderate. At Belfast employment continued good.

SEAMEN.

EMPLOYMENT among seamen showed a further improvement, but was still slack generally. The percentage unemployed (including those temporarily stopped) among insured workpeople, aged 16-64, in shipping service was 23.4 at 17th April, 1939, as compared with 24.7 at 13th March, 1939, and 25.2 at 4th April, 1938.

The following Table shows the number of seamen\* shipped in British registered foreign-going vessels at the undermentioned ports of Great Britain and Northern Ireland:—

Table showing Number of Seamen\* shipped in British registered foreign-going vessels at the undermentioned ports of Great Britain and Northern Ireland. Columns include Principal Ports, April, 1939, Inc. (+) or Dec. (-) on a, Four Months ended (April, 1939, April, 1938).

\* It will be understood that the numbers given are the numbers of separate engagements, and not of separate individuals. † Including Birkenhead and Garston. ‡ Including Avonmouth and Portishead. § Including Barry and Penarth.

NUMBERS ON THE REGISTERS IN THE PRINCIPAL TOWNS.

THE Table below shows for each of the Employment Exchange administrative areas in Great Britain and Northern Ireland, and for the principal towns therein, the number of unemployed persons registered at Employment Exchanges on 17th April, 1939:—

Large table showing Number of persons on Register at 17th April, 1939, and Inc. (+) or Dec. (-) in totals as compared with 13th Mar., 1939, and 4th Apr., 1938. Columns include Area, Men, Women, Juveniles, Total, 13th Mar., 1939, 4th Apr., 1938.

\* The figures for Rutherglen are included. [Percentage rates of unemployment for about 750 Towns in Great Britain are given in the monthly "Local Unemployment Index."] † See explanation on page 174.

COMPOSITION OF UNEMPLOYMENT STATISTICS: GREAT BRITAIN.

ANALYSIS FOR 17th April, 1939.

Table showing Composition of Unemployment Statistics: Great Britain. Columns include Men (18 years and over), Boys (under 18 years), Women (18 years and over), Girls (under 18 years), Total. Rows include A. Insured on Register, B. Others on Register, C. Total on Register, D. Insured Unemployed.

UNEMPLOYMENT FUND.

The following Table shows, approximately, the income and expenditure of the Unemployment Fund† in Great Britain for the periods stated:—

Table showing Income and Expenditure of the Unemployment Fund in Great Britain. Columns include Five weeks ended 29th Apr., 1939, Four weeks ended 25th Mar., 1939, Five weeks ended 30th Apr., 1938. Rows include (1) General Account, (2) Agricultural Account.

UNEMPLOYMENT ALLOWANCES. (GREAT BRITAIN.)

As from 1st April, 1937, the cost of unemployment allowances\* is met from the Unemployment Assistance Fund which is reimbursed by the Exchequer. For the period of five weeks ended 29th April, 1939, expenditure on these allowances (excluding the cost of administration) amounted to approximately £3,360,000 as compared with £2,805,000 during the four weeks ended 25th March, 1939, and £3,421,000 during the five weeks ended 30th April, 1938.

\* These exclusions represent (a) Insurance benefit claimants in receipt of unemployment allowances in supplementation of benefit (numbering 12,034 at 17th April, 1939); and (b) persons disqualified for short periods from receiving benefit, who are shown in line 2 (b) of the Table.

† A detailed account of the Fund is presented to Parliament annually (see H.C. 24 of 1939 for the period ended 31st March, 1938). ‡ Statutory provision was made for the repayment (including interest) of the debt outstanding on 1st July, 1934 (amounting to £105,780,000) by half-yearly payments of £2,500,000 commencing on 30th September, 1934. Under the Unemployment Insurance Act, 1938, an additional sum of £20,000,000 was repaid on 31st March, 1938, and thereafter the half-yearly payment was reduced to £2,006,259. A further sum of £3,000,000 was repaid on 31st March, 1939, and the half-yearly payment was reduced to £1,931,767.

PERIODS OF REGISTERED UNEMPLOYMENT.

THE following Table gives an analysis, according to the length of their last spell of registered unemployment, of persons aged 16-64, applying for insurance benefit or unemployment allowances (including those applicants whose position in relation to insurance benefit and unemployment allowances had not been determined), who were registered at Employment Exchanges in Great Britain as unemployed on 17th April, 1939. Comparative figures are also given for a month before and a year before. Corresponding particulars are not available in respect of persons, registered as unemployed, who were not applicants for insurance benefit or unemployment allowances.

Of the persons who had been on the register for extended periods a proportion, which will increase as the period on the register increases, will have had one or more short spells of employment, lasting not more than three days each, during such periods.

Table showing Periods of Registered Unemployment. Columns include Less than 3 months, 3 months but less than 6 months, 6 months but less than 9 months, 9 months but less than 12 months, 12 months or more, Totals. Rows include 17th Apr., 1939, 13th Mar., 1939, 4th Apr., 1938, with sub-tables for NUMBERS and PERCENTAGES.

Of the 814,645 applicants who, at 17th April, 1939, had been on the register for less than 3 months, about 628,700, or 42.1 per cent. of all applicants, had registered for less than 6 weeks.

APPLICANTS FOR INSURANCE BENEFIT AND UNEMPLOYMENT ALLOWANCES.

DIVISIONAL ANALYSIS—17TH APRIL, 1939.

Table showing Divisional Analysis of Applicants for Insurance Benefit and Unemployment Allowances. Columns include Division, Men 18-64, Boys 16 & 17, Women 18-64, Girls 16 & 17, Total 16-64. Rows include London, South-Eastern, South-Western, Midlands, North-Eastern, North-Western, Northern, Scotland, Wales, Great Britain.

APPLICATIONS AUTHORIZED FOR UNEMPLOYMENT ALLOWANCES.†

Table showing Applications Authorized for Unemployment Allowances. Columns include London, South-Eastern, South-Western, Midlands, North-Eastern, North-Western, Northern, Scotland, Wales, Great Britain. Rows include 17th Apr., 1939, 13th Mar., 1939, 4th Apr., 1938.

\* Including 12,034 persons for whom payment of unemployment allowances in supplementation of benefit had been authorised. † Including 5,771 persons, disqualified for short periods from receiving benefit, who had applications authorised for unemployment allowances.



Table with columns: INDUSTRY, ESTIMATED NUMBER OF INSURED PERSONS, AGED 16-64, AT JULY, 1938, PERCENTAGES AT 17TH APRIL, 1939, INCREASE (+) OR DECREASE (-) IN TOTAL PERCENTAGES AS COMPARED WITH 13TH MAR., 1939, 4TH APRIL, 1938, GREAT BRITAIN ONLY, TOTAL PERCENTAGES AT 17TH APRIL, 1939.

\* The figures for these industry groups now include certain classes of domestic employments which were brought into insurance in April, 1938. These classes were excluded from the figures for 4th April, 1938 (see article on page 425 of the November, 1938, issue of this GAZETTE). In the case of the individual industry groups so affected (but not elsewhere) the newly insured classes have been excluded from the figures for 17th April, 1939, for the purpose of the comparisons with 4th April, 1938.

Table with columns: INDUSTRY, ESTIMATED NUMBER OF INSURED PERSONS, AGED 16-64, AT JULY, 1938, PERCENTAGES AT 17TH APRIL, 1939, WHOLLY UNEMPLOYED (including Casuals), TEMPORARY STOPPAGES, TOTAL, INCREASE (+) OR DECREASE (-) IN TOTAL PERCENTAGES AS COMPARED WITH 13TH MAR., 1939, 4TH APRIL, 1938, GREAT BRITAIN ONLY, TOTAL PERCENTAGES AT 17TH APRIL, 1939.

\* Persons insured under the special schemes for the banking and insurance industries are included in these figures. † See footnote \* on the previous page. ‡ The percentage for all industries and services combined for April, 1939, used for this comparison, is the revised figure based on the estimated number insured at that date—see page 424 of the November, 1938, issue of this GAZETTE. The percentages for March and April, 1939, are based on the numbers insured at July, 1938. See also footnote \* on the previous page.

PRINCIPAL CHANGES IN NUMBERS UNEMPLOYED.

Table with columns: Industries, Increase (+) or Decrease (-) in the numbers insured, aged 16-64, recorded as unemployed at 17th April, 1939, compared with 13th March, 1939.

NEW ENTRANTS INTO UNEMPLOYMENT INSURANCE.

Table with columns: Division, Men aged 18-64, Boys (Aged 16 & 17, Aged 14 & 15), Women Aged 18-64, Girls (Aged 16 & 17, Aged 14 & 15), Total.

\* The figures for these industry groups now include certain classes of domestic employments which were brought into insurance in April, 1938. These classes were excluded from the figures for 4th April, 1938 (see article on page 425 of the November, 1938, issue of this GAZETTE). In the case of the individual industry groups so affected (but not elsewhere) the newly insured classes have been excluded from the figures for 17th April, 1939, for the purpose of the comparisons with 4th April, 1938.

JUVENILE UNEMPLOYMENT STATISTICS.

JUVENILES, UNDER 18 YEARS OF AGE, ON THE REGISTERS OF EMPLOYMENT EXCHANGES AND JUVENILE EMPLOYMENT BUREAUX AT 17TH APRIL, 1939.

Table with 6 columns: Division, Boys (Aged 14 and 15, Aged 16 and 17, Total), Girls (Aged 14 and 15, Aged 16 and 17, Total). Rows include London, South-Eastern, South-Western, Midlands, North-Eastern, North-Western, Northern, Scotland, Wales, Great Britain, N. Ireland, Gt. Britain and N. Ireland.

Note.—These figures include considerable numbers of boys and girls who, though registered at Employment Exchanges and Juvenile Employment Bureaux as applicants for employment, are remaining whole time at school until employment is obtained.

INSURED JUVENILES, UNDER 18 YEARS OF AGE, RECORDED AS UNEMPLOYED AT 17TH APRIL, 1939.

Table with 6 columns: Division, Boys (Aged 14 and 15, Aged 16 and 17, Total), Girls (Aged 14 and 15, Aged 16 and 17, Total). Rows include London, South-Eastern, South-Western, Midlands, North-Eastern, North-Western, Northern, Scotland, Wales, Special Schemes, Great Britain, N. Ireland, Gt. Britain and N. Ireland.

Note.—These figures include not only insured juveniles on the register, but also those whose unemployment books were in the "two months' file" (See paragraph below the Table in next column.) The effect of the inclusion of the two months' file is especially marked in the case of the London Division.

JUVENILES, UNDER 18 YEARS OF AGE, PLACED IN EMPLOYMENT. FIVE WEEKS ENDED 24TH APRIL, 1939.

Table with 7 columns: Division, Number of Vacancies Filled (Boys, Girls, Total), Juveniles placed in first situation since leaving School (Boys, Girls, Total). Rows include London, South-Eastern, South-Western, Midlands, North-Eastern, North-Western, Northern, Scotland, Wales, Great Britain.

JUVENILES, UNDER 18 YEARS OF AGE, IN ATTENDANCE AT AUTHORISED COURSES OF INSTRUCTION.

Table with 7 columns: Division, Week ended 26th April, 1939, Month ended 19th April, 1939, Total number of individuals who have attended Junior Instruction Centres and Classes, Total number of individuals who have attended Other Educational Institutions. Rows include London, S. Eastern, S. Western, Midlands, N. Eastern, N. Western, Northern, Scotland, Wales, Great Britain.

\* Comparable figures for other Educational Institutions are not available. † Of these, six Junior Instruction Centres and fourteen classes were temporarily closed.

UNEMPLOYMENT AMONG BOYS AND GIRLS, UNDER 16 YEARS OF AGE, IN INSURED INDUSTRIES.

THE Table below shows for each industry group, and for the principal industries, the numbers of insured boys and girls under 16 years of age recorded as unemployed in Great Britain, and in Great Britain and Northern Ireland, at 17th April, 1939. The figures include insured boys and girls previously in domestic employments, which first became insurable on 4th April, 1938 :-

Table with 5 columns: Industry, Great Britain (Boys, Girls), Great Britain and Northern Ireland (Boys, Girls). Rows include Agricultural Scheme, Fishing, Mining, Non-Metallic Mining Products, Brick, Tile, Pipe, etc., Pottery, Earthenware, etc., Glass, Chemicals, Paints, Oils, etc., Metal Manufacture, Engineering, etc., Textiles, Leather and Leather Goods, Clothing, Food, Drink and Tobacco, Woodworking, etc., Paper, Printing, etc., Building and Contracting, Other Manufacturing Industries, Miscellaneous Trades and Services.

The figures above include those boys and girls whose unemployment books were in the "two-months' file" of lodged books, i.e., boys and girls who had registered as unemployed at some date within the previous two months and were not known to have found work, but were not maintaining registration as applicants for employment.

UNEMPLOYMENT INSURANCE: ADJUDICATIONS BY THE STATUTORY AUTHORITIES.

THE Table below analyses for Great Britain for the period 1st to 29th April, 1939, inclusive, the decisions of Insurance Officers, of Courts of Referees, and of the Umpire on doubtful claims for insurance benefit.

A.—DECISIONS OF INSURANCE OFFICERS\*.

Table with 5 columns: Men, Women, Juveniles, Total. Rows include Claims allowed, Grounds on which Insurance Officers have power to disallow, Contributions conditions, Not unemployed, Total Claims disallowed.

B.—DECISIONS OF COURTS OF REFEREES\*.

Table with 5 columns: Men, Women, Juveniles, Total. Rows include (1) Appeals against Disallowances by Insurance Officers, Claims allowed, Claims disallowed, Anomalies Orders.

(2) Other Cases.

Table with 5 columns: Men, Women, Juveniles, Total. Rows include Claims allowed, Claims disallowed, Employment left voluntarily without just cause, Failure or refusal to apply for or accept suitable employment, Not capable of work, Other grounds, Total Claims disallowed.

C.—TRADE DISPUTE CASES.

Table with 4 columns: Claims Allowed, Claims Disallowed, Total. Rows include Cases dealt with by Insurance Officers, Appeals against disallowances by Insurance Officers, Total Appeals.

D.—DEPENDANTS BENEFIT CASES.

Table with 4 columns: Claims Allowed, Claims Disallowed, Total. Rows include Cases dealt with by Insurance Officers, Cases dealt with by Courts of Referees.

E.—DECISIONS BY UMPIRE.†

Table with 4 columns: Claims Allowed, Claims Disallowed, Total. Rows include Appeals by the Chief Insurance Officer, Appeals by Associations, Appeals by Claimants, Total.

\* Except in "Trade Dispute" and "Dependants Benefit" cases, which are given separately in Parts C and D. † The figures may include test cases and the total number of individuals concerned may be considerably in excess of the figures shown in the table.

POOR RELIEF IN APRIL.

(Data supplied by the Ministry of Health and by the Department of Health for Scotland.)

THE number of persons\* relieved on one day† in April in the forty-seven selected areas in Great Britain named below was 570,804, or 1.2 per cent. less than in the previous month, and 1.1 per cent. less than in April, 1938. The numbers relieved at these three dates were equivalent, respectively, to rates of 348, 352, and 350 per 10,000 of the estimated population.

In the forty-three selected areas in England and Wales the number relieved in April was 448,421, a decrease of 1.3 per cent. as compared with April, 1938. In the four areas in Scotland the number relieved was 122,383, or 1.1 per cent. less than in the previous month, and 0.4 per cent. more than in April, 1938.

Recipients of indoor relief in the forty-seven areas in April numbered 66,854, or 1.9 per cent. less than in the previous month, and 3.0 per cent. less than a year ago. Recipients of outdoor relief numbered 503,950, or 1.1 per cent. less than in the previous month, and 0.8 per cent. less than in April, 1938.

Of the forty-seven areas, thirty-five showed slight decreases in the proportion of the population in receipt of relief in April as compared with March, ten areas showed slight increases, while in two areas there was no change. Compared with April, 1938, twenty-six areas showed increases in the proportion of the population in receipt of relief, and twenty-one areas showed decreases.

Number of Persons\* in receipt of Poor Relief on one day† in April, 1939. Increase (+) or Decrease (-) in rate per 10,000 of Population as compared with a

Table with 6 columns: Indoor, Outdoor, Total, Rate per 10,000 of estimated Population, Month before, Year before. Rows include ENGLAND AND WALES (County of London, Birkenhead, Birmingham, Blackburn, Bolton, Bradford, Brighton, Bristol, Burnley, Cardiff, Coventry, Croydon, Derby, East Ham, Gateshead, Huddersfield, Kingston-upon-Hull, Leeds, Leicester, Liverpool, Manchester, Middlesbrough, Newcastle-on-Tyne, Norwich, Nottingham, Oldham, Plymouth, Portsmouth, Preston, St. Helens, Salford, Sheffield, Southampton, Southend-on-Sea, South Shields, Stockport, Stokes-on-Trent, Sunderland, Swansea, Walsley, Walsall, West Ham, Wolverhampton), Totals for above 42 County Boroughs, Total, London and 42 Boroughs, SCOTLAND (Glasgow, Edinburgh, Dundee, Aberdeen), Totals for above 4 Scottish Burghs, Totals for all 47 areas above.

INDUSTRIAL TRANSFERENCE.

FOR statistics relating to industrial transference during the first quarter of 1939, compared with a year before, and two years before, see page 188.

\* The numbers stated include dependants of persons relieved. The figures exclude casuals, persons in receipt of outdoor medical relief only, rate-aided patients in mental hospitals in England and Wales, and lunatics and mental defectives in Scotland.

† 22nd April in London, 29th April in the rest of England and Wales, and 15th April in Scotland.



PRINCIPAL CHANGES IN RATES OF WAGES REPORTED DURING APRIL—continued.

Table with columns: Industry, District, Date from which Change took effect, Classes of Workpeople, Particulars of Change. Rows include categories like Coke, etc., Manufacturing; Other Mining and Quarrying; Pig Iron and Steel Manufacturing; Engineering; Galvanising.

\* This decrease affected mainly the employees of firms who are members of the Durham Coke Owners' Association. † Under selling-price sliding-scale arrangements. ‡ Apart from the percentage addition to basis rates...

PRINCIPAL CHANGES IN RATES OF WAGES REPORTED DURING APRIL—continued.

Table with columns: Industry, District, Date from which Change took effect, Classes of Workpeople, Particulars of Change. Rows include Chain Manufacture, Manufacture of Steel and Metal, Cotton Manufacture, Mechanical Cloth Manufacture, Woollen and Worsted Spinning, Textile Bleaching, Dyeing, Finishing, etc., Felt Hat Making, Baking, Paper Box Manufacture.

\* Under cost-of-living sliding-scale arrangements. † This decrease applied to workers employed by firms who are members of the Yorkshire Master Dyers' Committee, The Bradford Dyers' Association Ltd., and the Employers' Federation of Cotton Yarn Bleachers, Dyers and Sizers (certain firms)...





CHANGES IN COST OF LIVING: STATISTICS FOR 1st MAY.

Summary: Average Increases since July, 1914.

Table with 2 columns: Item and Percentage Increase. All Items included ... 53%, Food only ... 34%.

FOOD.

At 1st May the average level of the retail prices of food in Great Britain and Northern Ireland was slightly lower than at 1st April.

As a net result of all the changes recorded, the average increase over the level of July, 1914, in the retail prices of the articles of food included in these statistics was 34 per cent.

In the following Table is given a comparison of retail prices in July, 1914, and at 1st April, and 1st May, 1939 :-

Table with columns: Article, Average Price (per lb. unless otherwise indicated—to the nearest 1/4d.), Average Inc. (+) or Dec. (-) at 1st May, 1939, as compared with July, 1914.

The following Table gives a percentage comparison of the level of retail prices at the same dates :-

Table with columns: Article, Average Percentage Increase or Decrease (-) at 1st May, 1939, as compared with July, 1914.

\* If this kind is seldom dealt with in a locality, the returns quote the prices of another kind locally representative.

RENT, CLOTHING, FUEL AND LIGHT.

As regards rents, enquiries which have been made into the changes which have taken effect under the Rent and Mortgage Interest Restrictions Acts indicate that the average increase in the controlled rents (including rates) of working-class dwellings between July, 1914 and 1st May, 1939, was approximately 54 per cent.

As regards clothing, owing to the wide range of quotations, both now and before the war, to changes in qualities and in stocks held by retailers, and to the variations in the extent to which different articles and qualities have been affected by price changes, it is impossible to make an exact calculation of the increase in prices.

In the fuel and light group the prices of coal were, on the average, about 95 per cent. above the level of July, 1914.

ALL ITEMS.

If the average increases in the cost of all the foregoing items are combined in accordance with their relative importance in pre-war working-class family expenditure, allowance being also made for the increase in the prices of soap, soda, domestic ironmongery, brushware and pottery, tobacco, fares and newspapers (averaging between 75 and 80 per cent.), the resultant general average increase for 1st May, 1939, is approximately 53 per cent.

The result of this calculation (in which the same quantities and, as far as possible, the same qualities of each item are taken now as in 1914) is to show the average increase in the cost of maintaining unchanged the pre-war standard of living of working-class families (i.e., the standard actually prevailing in working-class families before the war, irrespective of whether such standard was adequate or not).

SUMMARY TABLE: 1920 to 1939.

The following Table shows the average percentage increase, as compared with July, 1914, for all the items included in the statistics, at the beginning of each month, 1920 to 1939 :-

Table with columns: Year, Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.

NOTE.

A detailed account of the method of compilation of these statistics, "The Cost of Living Index Number: Method of Compilation," is obtainable, price 3d. net (3 1/2d. post free), from H.M. Stationery Office at any of the addresses shown on the cover of this GAZETTE.

RETAIL PRICES OVERSEAS.

N.B.—While the percentages given in the following Summary Tables are derived from the most authoritative sources of statistical information, certain differences in the nature and scope of the data used, in the methods of combining such data and in the periods for which the rise is measured, suggest the need for caution in drawing conclusions from a comparison between the figures for any two countries or cities.

I.—FOOD.

PERCENTAGE INCREASE IN RETAIL FOOD PRICES IN THE VARIOUS COUNTRIES AS COMPARED WITH JULY, 1914.\*

Table with columns: Country, Percentage Increase as compared with July, 1914.\* (July 1935, July 1936, July 1937, July 1938), Latest figures available (Rise, Date).

II.—ALL ITEMS.

PERCENTAGE INCREASE IN THE VARIOUS COUNTRIES IN THE COST OF FOOD, TOGETHER WITH (SO FAR AS POSSIBLE) HOUSE-RENT, CLOTHING, FUEL AND LIGHT, AND OTHER HOUSEHOLD REQUIREMENTS, AS COMPARED WITH JULY, 1914.\*

Table with columns: Country, Items on which computation is based,\*\*, Percentage Increase as compared with July, 1914.\* (July 1935, July 1936, July 1937, July 1938), Latest figures available (Rise, Date).

\* Exceptions to this are: Finland, Italy (Rome), January to June, 1914; Switzerland, June, 1914; Portugal, South Africa, 1914; Egypt, Germany, 1913-1914; Netherlands, 1911-1913; Belgium, April, 1914; Canada, 1913; Australia (all items), November, 1914. The Australian percentages for all items are weighted averages for the six capital cities. The percentages are calculated on prices in the ordinary currency.

FATAL INDUSTRIAL ACCIDENTS.

THE number of workpeople, other than seamen, in Great Britain and Northern Ireland, whose deaths from accidents in the course of their employment occurred or were reported in April,\* was 139, as compared with 205† in the previous month, and with 174‡ in April, 1938.

Table with columns: Railway Service, Mines and Quarries, Factories, Seamen, etc.

INDUSTRIAL DISEASES.

THE Table below shows the number of cases‡ and deaths‡ in Great Britain and Northern Ireland reported during April, under the Factories Act, 1937, or under the Lead Paint (Protection against Poisoning) Act :-

Table with columns: I. Cases (Lead Poisoning, Epitheliomatous Ulceration, Chromo Ulceration), II. Deaths (Anthrax, Epitheliomatous Ulceration).

\* For mines and quarries the figures (calculated weekly since August, 1938) cover the 4 weeks ended 29th April, and comparison is with the 5 weeks ended 1st April, 1939, and the calendar month of April, 1938.











Co., Ltd., London, E.C. Bells: J. Barwell, Ltd., Birmingham; Gillett & Johnston, Ltd., Croydon. Benches, Cupboards: Seco, Ltd., London, S.E. Blankets, White Hospital: Co-operative Wholesale Society, Ltd., Manchester; W. Crabtree & Sons, Ltd., Dewsbury; J. Horsfall & Sons (Greetland), Ltd., Greetland; Priestley Bros., Halifax; Marriott & Sons, Ltd., Witney, Oxon; B. Taylor & Sons, Ltd., Halifax; Ratchiffe Bros., Ltd., Mytholmroyd. Bow Handles: Nettlefold & Sons, Ltd., London, N.W.; Ames, Stokes, Stevens & Son, Birmingham. Box, Convertible fittings: F. Troy & Co. Ltd., London, N.W. Branch Pipes: E. Barber & Co., Ltd., London, N. Brass Buckles for Hose Straps: H. Gill Stampings, Ltd., Birmingham. Brooms and Brushes: Addis, Hertford; C. H. Leng & Sons, Birmingham. Builders Ironmongery: Nettlefold & Sons, Ltd., London, N.W.; J. & E. Bates & Sons, Ltd., Wolverhampton. Canvas Delivery Hose: Lewis & Tyler, Ltd., Cardiff; J. H. Fenner & Co., Ltd., London, S.E. Carpenters Benches: R. Blackett & Son, Ltd., Darlington. Carpets and Hearth Rugs, Axminster: Carpet Trades, Ltd., Kidderminster. Chairs, W.I.: Owen Haines & Son, High Wycombe; A. & F. Howland (Wycombe), Ltd., High Wycombe. Collapsible Boxes: No-Nail Boxes, Ltd., London, S.W. Collapsible Iron Bedsteads: T. Adshead & Sons, Dudley. Cupboards—Machine and Camera Gun: North of England School Furnishing Co., Ltd., Darlington. Cylinder Locker Locks: J. Parkes & Sons, Ltd., Willenhall; Yale & Towne Manfg. Co., Willenhall. Delivery Hose Couplings: J. Hindle & Sons, Ltd., Leeds; J. Russell & Co., Ltd., Birmingham; Sanbra, Ltd., Birmingham. Earthenware: Mintons, Ltd., Stoke-on-Trent. Electric Propeller Fans: General Electric Co., Ltd., London, W.C.; British Colonial Trading Co., Ltd., London, E.C. Enamelled Iron Plates: Garnier & Co., Ltd., London, E.C. Folding Division Units: G. A. Harvey & Co. (London), Ltd., London, S.E.; Welwyns Metal Products, Ltd., Welwyn Garden City. Galvanised Ironware: Co-operative Wholesale Society, Ltd., Manchester. India Rubber Sorbo Gasket: St. Helens Cable & Rubber Co., Ltd., Slough. Japanned Water Cans and Lids: Eveson Bros. (1928) Ltd., Lye, Wores. Light Proof Window Blinds: Waring & Gillow (1932), Ltd., London, W. Liquid Metal Polish: Sunbeam Products, Ltd., London, S.W. Lockers, Long, single: do. for Motor drivers: G. A. Harvey & Co., Ltd., London, S.E. Mops: T. M. Clewes & Son, Cradley. Nozzles—two purpose (jet and spray): Service Castings, Ltd., Birmingham; W. & T. French, London, E.C. Nozzles: S. Booth & Co., Ltd., Birmingham. Paints and Varnishes: Hoyle Robson Barnett & Co., Ltd., London, E.C.; Goodlass Wall & Co., Ltd., London, W.; Smith & Walton, Ltd., Haltwhistle; Walpamur & Co., London, W.; Craig & Rose, Ltd., London, S.E.; Hinshelwood & Co., London, E. Painted Dressing Chests: A. G. Farmer & Sons, Ltd., Bristol. Paper Trays: F. Troy & Co., Ltd., London, N.W. Plan Presses: H. A. Partridge, Ltd., London, N.; J. Walsh, Ltd., Sheffield; Wake & Dean, Ltd., Bristol; F. Troy & Co., Ltd., London, N.W.; A. G. Farmer & Sons, Ltd., Bristol. Portable Flight Desks: Haigh Jones & Co., Ltd., Huddersfield. Protected Metal Roofing: Wolverhampton Corrugated Iron Co., Ltd., Ellesmere Port. Rattles: W. Clements & Sons, Leicester. Rubber Shock Absorbers: Avon India Rubber Co., Ltd., Melksham. Rugs, Axminster Hearth: Carpet Manfg. Co., Ltd., Kidderminster. Steel Address Plate Cabinets: Roneo, Ltd., London, W.C. Stirrup Pumps: W. T. French & Son, Ltd., London, E.C.; Service Castings Ltd., Birmingham. Stretcher Ambulance Slings: Mills Equipment Co., Ltd., London, S.W. Suction Collecting Heads: J. Blakeborough & Sons, Ltd., Brighouse; Knowsley Cast Metal Co., Ltd., Manchester. Suction Hose: Dunlop Rubber Co., Ltd., Manchester. Suction Hose Couplings: Jones & Kent, Crayford, Kent. Tables, Recreation room: D. M. Davies (Slough), Ltd., Slough; Lightowler (Queensbury), Ltd., Queensbury; A. G. Matthews, Ltd., Bristol; Tables, Solid Top: Maynard Bros. (1933), Ltd., London, W.C.; F. Troy & Co., Ltd., London, N.W. Tables, Tax Officers: A. G. Farmer & Sons, Ltd., Bristol. Timber: Montague L. Meyer, Ltd., London, W.C. Tubular Steel Stretcher Frames: A. Phillips, Ltd., Birmingham; W. Rhodes, Ltd., Nottingham; Vono Co., Ltd., Dudley Port; Whitfields Bedsteads, Ltd., Bordesley, Birmingham. Whistles: J. Hudson & Co., Birmingham.

## CROWN AGENTS FOR THE COLONIES.

**Air Compressors:** Alley & MacLellan, Ltd., Glasgow; Broom & Wade, Ltd., High Wycombe.—**Air Compressor, etc.:** Consolidated P. Tool Co., Ltd., London, S.W.—**Angles:** P. & W. MacLellan, Ltd., Glasgow.—**Atebrin Tablets, etc.:** Bayer Products, Ltd., London, W.C.—**Bedford Cord and Drill:** E. Spinner & Co., Manchester.—**Biscuits:** G. Kemp, Ltd., London, N.W.—**Blankets:** T. & D. Lee & Sons, Dewsbury; J. Walker & Sons, Ltd., Mirfield.—**Boiler:** Babcock & Wilcox, Ltd., London, E.C.—**Boots:** G. T. Hawkins, Ltd., Northampton; Adams Bros. (Raunds), Ltd., Raunds.—**Cable:** W. T. Henley's Telegraph Works Co., Ltd., London, E.C.; Siemens Bros. & Co., Ltd., London, S.E.; Aberdare Cables, Ltd., Aberdare; Callender's Cable & Construction Co., Ltd., London, E.C.; British Insulated Cables, Ltd., London, W.C.; Pirelli-General Cable Works, Ltd., Southampton.—**Carriage Underframe Details:** Gloucester Railway Carriage & Wagon Co., Ltd., London, S.W.—**Cement:** Cement Marketing Co., Ltd., London, S.W.—**Chairs, Steel Nesting:** Sankey Sheldon (Harris & Sheldon, Ltd.), London, E.C.—**Chassis:** J. I. Thornycroft & Co., Ltd., London, S.W.—**Cigarette Banderolles:** W. W. Sprague & Co., Ltd., London, E.C.—**Cloth:** James Watkinson & Sons, Ltd., Holmfirth.—**Coal Tar:** Gas Light & Coke Co., London, E.C.—**Cod Fish:** Copland & Co., London, E.C.—**Colas:** United British Oilfields of Trinidad, London, E.C.—**Condensed Milk:** Butler & Meadow, Ltd., London, E.C.—**Copper Wire:** Whitecross

Co., Ltd., Warrington.—**Corned Beef:** Libby McNeill & Libby, Ltd., London, E.C.—**Cotton Waste:** John Watts (Burnley), Ltd., Burnley.—**Crane:** Butters Bros. & Co., Glasgow.—**Currency Note Paper:** Portals, Ltd., Whitechurch.—**Dental Requisites:** Amalgamated Dental Co., Ltd., London, W.—**Diesel Engines:** Norris, Henty & Gardner, Ltd., Manchester.—**Dragline Excavator:** Ruston-Bucyrus, Ltd., Lincoln.—**Electrical Equipment:** Electric Construction Co., Ltd., Wolverhampton.—**Enamel and Paint:** Torbay Paint Co., London, S.W.—**Everite Pipes:** Turner's Asbestos Cement Co., London, S.E.—**Explosives:** Imperial Chemical Industries, Ltd., London, S.W.—**Fire Engine:** Merryweather & Sons, Ltd., London, S.E.—**Gauze:** Vernon & Co., Ltd., Preston.—**G.I. Pipes:** Stewarts & Lloyds, Ltd., Glasgow.—**Guillotines:** Victory-Kidder Printing Machine Co., Ltd., London, E.C.—**Haricot Beans and Sugar:** Kearley & Tonge, Ltd., London, E.C.—**Hats:** Hall & Phillips, Ltd., Nuneaton.—**Hoes, Mortar Pane:** V. & R. Blakemore, Birmingham.—**Inspection Rail Car:** Drewry Car Co., Ltd., London, E.C.—**Insulators:** Bullers, Ltd., London, E.C.—**Lathes:** Dean, Smith & Grace, Ltd., Keighley; Lawler, Ayers & Co., Ltd., London, E.C.—**Locomotive Steel Tubes:** Universal Steel Tube Co., Ltd., Birmingham.—**Lorry Chassis:** Albion Motors, Ltd., Glasgow.—**M. and B. 693 Tabs:** Pharmaceutical Specialities (May & Baker), Ltd., Dagenham.—**Measuring Equipment:** Marconi-Ekco Instruments, Ltd., London, W.C.—**Metal Ibis, etc.:** Phosphor Bronze Co., Ltd., London, S.E.—**Metarsenobillon and Novarsenobillon:** Pharmaceutical Specialities (May & Baker), Ltd., Dagenham.—**Mooring Chains:** Brown, Lenox & Co., Ltd., Pontypridd.—**Motor Lorries:** Vauxhall Motors, Ltd., Luton; Rootes, Ltd., London, W.—**M.S. Round Sections:** Whitehead Iron & Steel Co., Ltd., Newport.—**Oil-Burning Vessels:** Fleming & Ferguson, Ltd., Paisley.—**Oil-Cooking:** Leon Frenkel, Ltd., London, E.C.—**Paint:** Nobel Chemical Finishes, Ltd., London, S.W.—**Paints, Ready Mixed:** L. Berger & Sons, Ltd., London, E.—**Paper:** John Dickinson & Co., Ltd., London, E.C.—**P.B. Poles and Distribution Equipment:** Callender's Cable & Construction Co., Ltd., London, E.C.—**Postage Stamps:** Harrison & Sons, London, W.C.—**Postage and Revenue Stamps:** T. de la Rue & Co., London, E.C.—**Printing Machines:** Linotype & Machinery, Ltd., London, W.C.—**Puttees:** T. & J. Tinker, Holmfirth.—**Quinine:** Howards & Sons, Ltd., Ilford.—**Quinine Bisulph. and Quinine Bisulph. Tablets:** Carnegie Bros., Ltd., London, N.—**Quinine Sulphate, etc.:** Howards & Sons, Ltd., Ilford.—**Quinine Tablets:** Howards & Sons, Ltd., Ilford.—**Rail Lubricators:** P. & M. Co. (England), Ltd., London, S.W.—**Refuse Lorries:** Morris Industries Exports, Ltd., Cowley.—**Road Bridge:** Cleveland Bridge & Engineering Co., Ltd., Darlington.—**Road Rollers:** Aveling-Barford, Ltd., Grantham.—**Sausages:** Palethorpes, Ltd., Tipton.—**Scythe Blades:** W. A. Tyzack & Co., Ltd., Sheffield.—**Seals, Steel:** Acme Seals, Ltd., London, E.—**Self-Cleaning Screen:** F. W. Brackett & Co., Ltd., Colchester.—**Serum:** Burroughs Wellcome & Co., London, E.C.—**Shearing and Punching Machine:** Bennie, J., & Sons, Ltd., Glasgow.—**Sheets, etc.:** Brooks & Co., Ltd., London, S.E.—**Soap:** J. Knight, Ltd., London, E.—**Soups and Baked Beans:** Crosse & Blackwell (Manufacturing Co.), Ltd., London, W.—**Spun Socket and Spigot Pipes:** Stanton Ironworks Co., Ltd., Nottingham.—**Static Transformers:** Brush Electric Engineering Co., Ltd., Loughborough.—**Steam Disinfecter:** Manlove, Allott & Co., Ltd., Nottingham.—**Steel Piping:** Stewarts & Lloyds, Ltd., Glasgow.—**Steel Tyres:** Blaenavon Co., Ltd., Blaenavon.—**Steel Windows:** Crittall Manufacturing Co., Ltd., London, W.C.—**Steelwork:** E. C. & J. Keay, Ltd., Birmingham.—**Surgical Instruments:** Down Bros., Ltd., London, S.E.—**Timber:** C. Leary & Co., London, E.C.—**Train Lighting and Spares:** J. Stone & Co., Ltd., London, S.W.—**Vaccines:** Lister Institute, Elstree.—**V.B. Cylinders:** Vacuum Brake Co., Ltd., London, S.W.—**Vegetables:** Wisbech Produce Canners, Ltd., London, E.C.—**Versatile Crane:** Morris, H., Ltd., Loughborough.—**Waste Detection Meters:** Palatine Engineering Co., Ltd., Liverpool.—**Water Cooling Plant:** English Electric Co., Ltd., Rugby.—**Water Meters:** G. Kent, Ltd., Luton.—**Wireless Apparatus:** Marconi's Wireless Telegraph Co., Ltd., London, W.C.

## COMMISSIONERS OF CROWN LANDS.

**Patrington Estate Co. Yorks\*:** Conversion of Bullock Boxes into Piggeries, Stanley Cawkwell, Wroot.

**Windsor Estate, Co. Berks:** Tarspraying roads in Windsor Great Park and the Home Park, Private. Colas Products, Ltd, London, W.C.

## METROPOLITAN POLICE.

**Sub-structure—Southwark New Police Station:** Rice & Son, Ltd., London, S.W. **Automatic stokers—Limehouse Section House and Married Quarters:** Mirreles Bickerton & Day, Ltd., London, S.W.—**Special Telephone Wiring:** W. G. Parry & Co., Ltd., London, W.C.

\* March contract.

## NOTICE.

The MINISTRY OF LABOUR GAZETTE is published by H.M. Stationery Office on or about the 18th of each month, price 6d. net. The annual subscription is 7s. post free.

All communications concerning subscriptions and sales should be addressed to H.M. Stationery Office at one of the addresses shown on the cover.

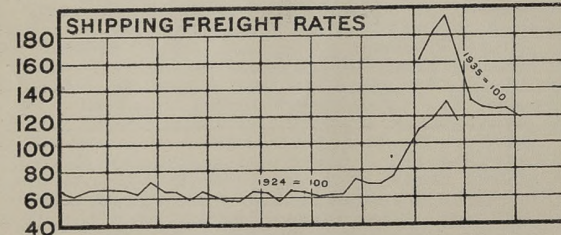
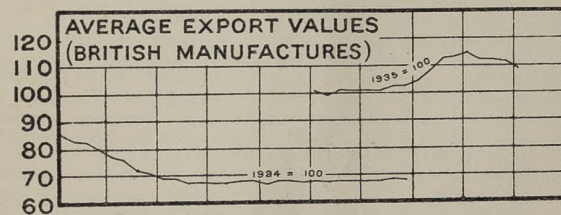
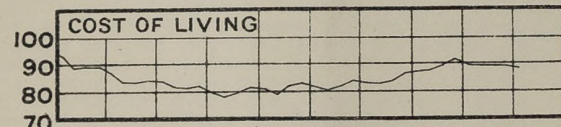
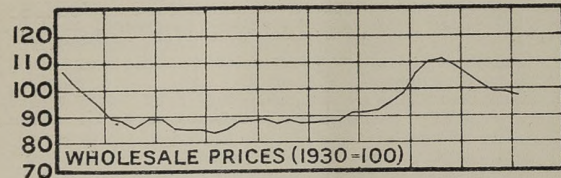
PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY EYRE AND SPOTTISWOODE LIMITED, LONDON.

CHARTS ILLUSTRATING THE COURSE OF TRADE OUTPUT, PRICES, WAGES, FINANCE AND EMPLOYMENT.

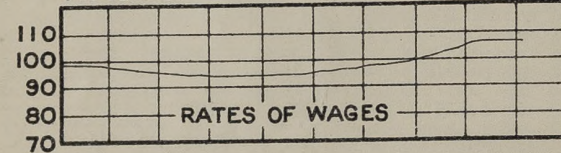
(EXCEPT WHERE OTHERWISE INDICATED THE AVERAGE FOR 1924 IS TAKEN AS = 100.)

1930 1931 1932 1933 1934 1935 1936 1937 1938 1939

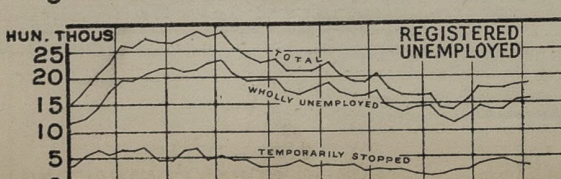
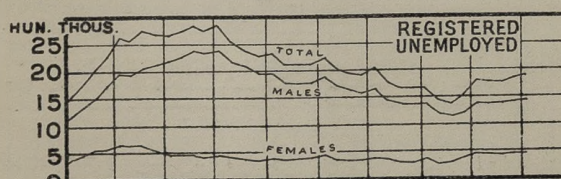
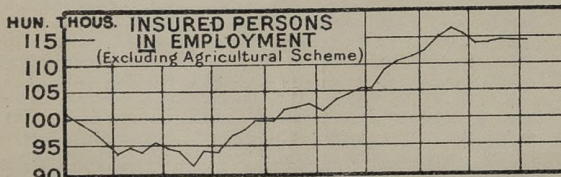
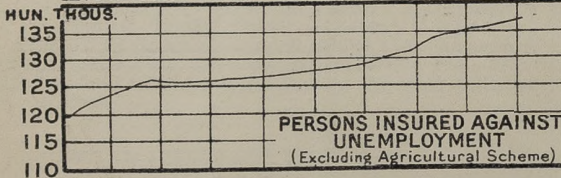
PRICES



WAGES

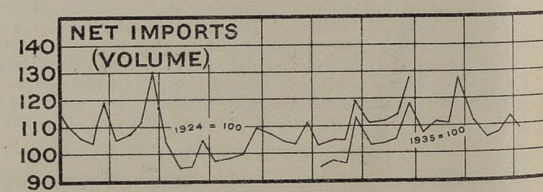
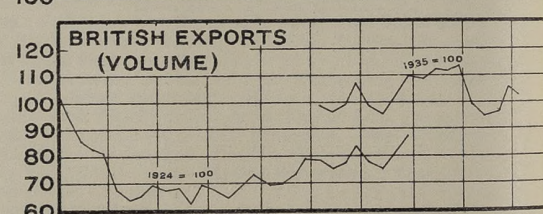
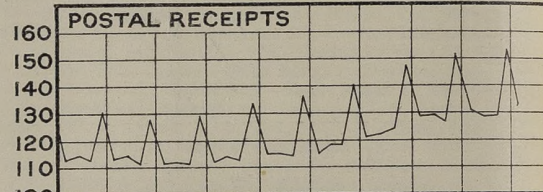
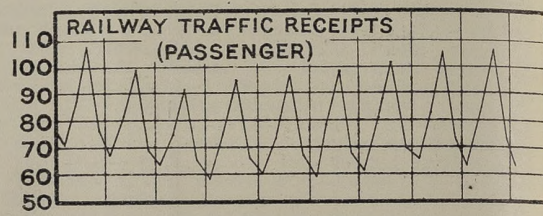
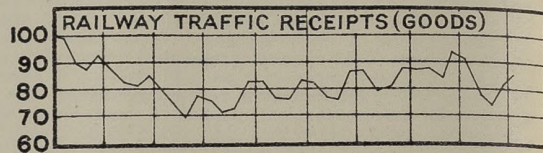
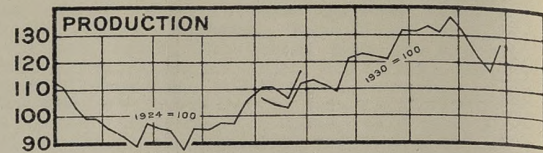


EMPLOYMENT

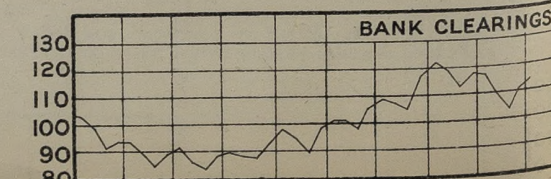
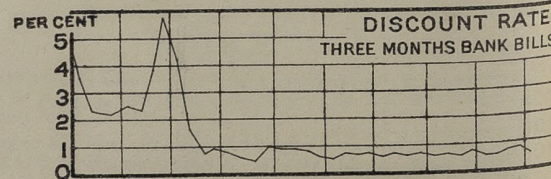
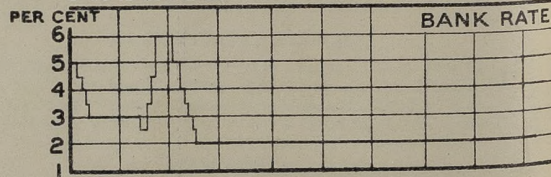


1930 1931 1932 1933 1934 1935 1936 1937 1938 1939

PRODUCTION AND TRADE

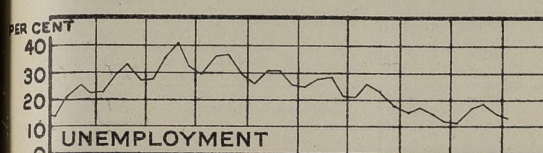
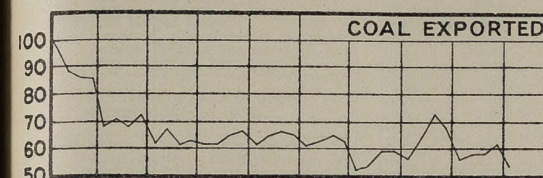
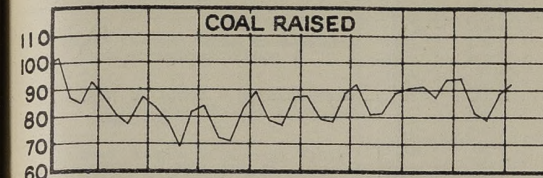


FINANCE

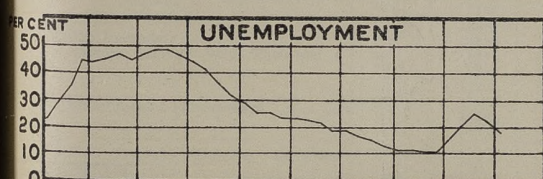
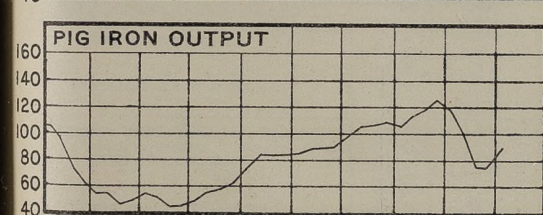
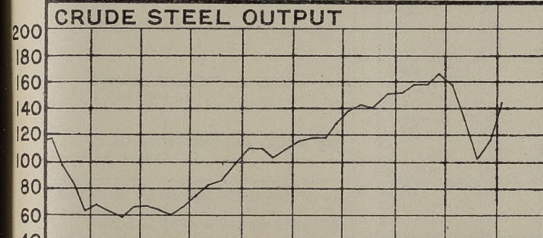


1930 1931 1932 1933 1934 1935 1936 1937 1938 1939

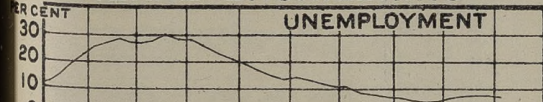
COAL MINING



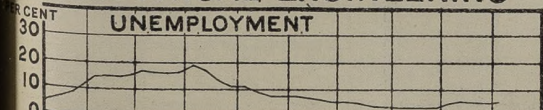
IRON AND STEEL



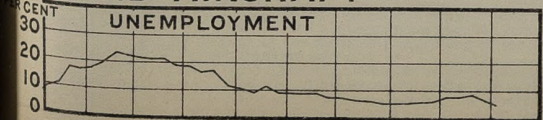
GENERAL ENGINEERING



ELECTRICAL ENGINEERING

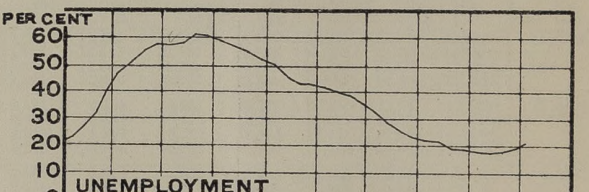
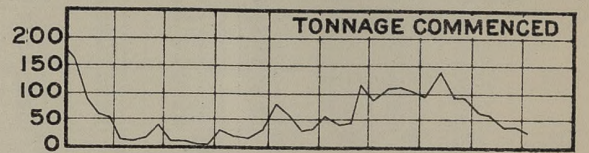
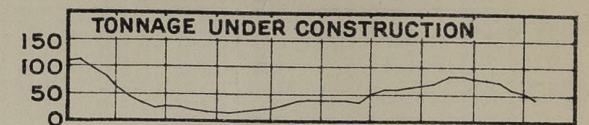


MOTOR VEHICLES, CYCLES AND AIRCRAFT

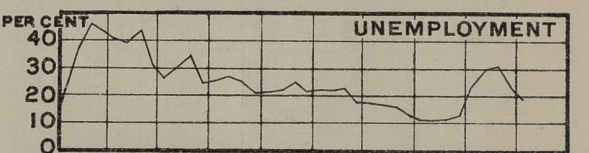
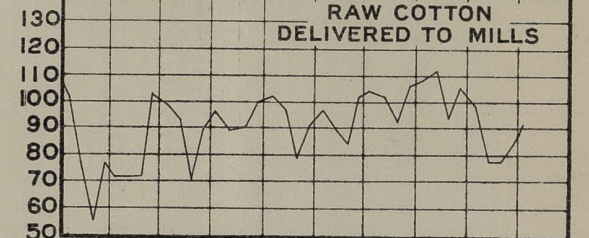


1930 1931 1932 1933 1934 1935 1936 1937 1938 1939

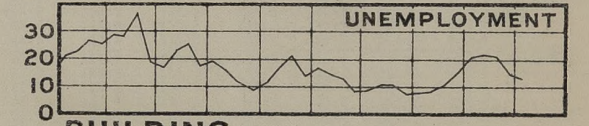
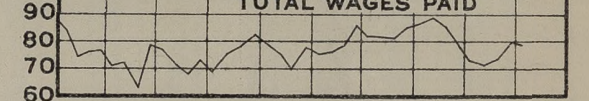
SHIPBUILDING



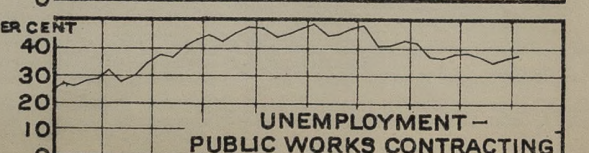
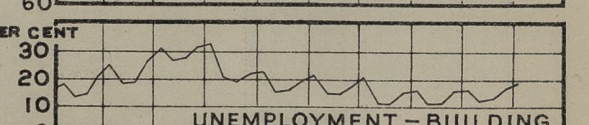
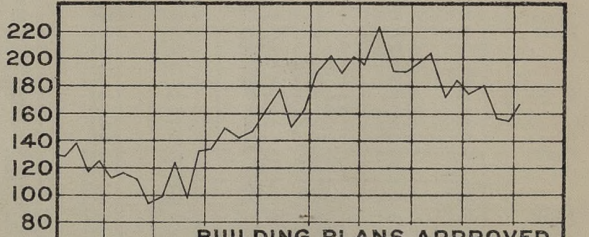
COTTON



WOOL



BUILDING











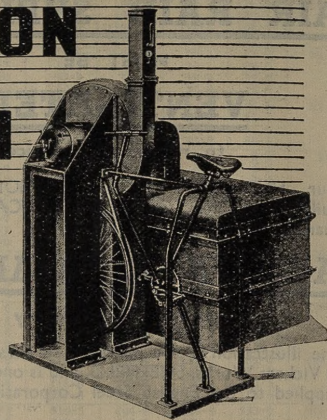
BUILT TO HOME OFFICE SPECIFICATION

# GAS FILTRATION AND VENTILATION

## FOR AIR RAID SHELTERS

Designed and manufactured strictly in accordance with Home Office Specification. Standard sizes for 10, 25, 50 and 100 persons available for quick delivery. Non-standard sizes designed for any particular duty. We are specialists in all classes of Air Treatment, Conditioning, and Industrial Cooling Plant, and our experience is at your disposal for any application whether it be for a modest Shelter or a complete Factory.

Write for our literature and permit us to quote.



## VACUUM REFRIGERATION LIMITED

39-45, FINSBURY SQUARE, LONDON, E.C.2.

'Phone: NATIONAL 0081.

'Grams: "Yeleh, Finsquare, London."

# NORRIS JOINERY

for  
**QUALITY  
SERVICE  
SATISFACTION**

as supplied to

THE ADMIRALTY  
THE WAR OFFICE  
THE AIR MINISTRY  
H.M. OFFICE OF WORKS  
AND  
NUMEROUS COUNCILS  
THROUGHOUT  
GREAT BRITAIN

Send your Enquiries to



## C. W. NORRIS LIMITED

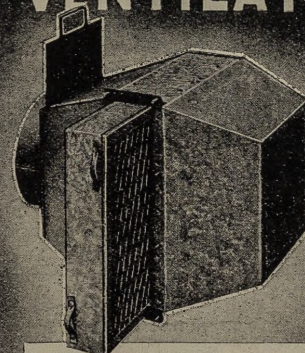
Manufacturers of the famous "HYDROTITE" Windows

FARNWORTH, Nr. BOLTON, LANCs.

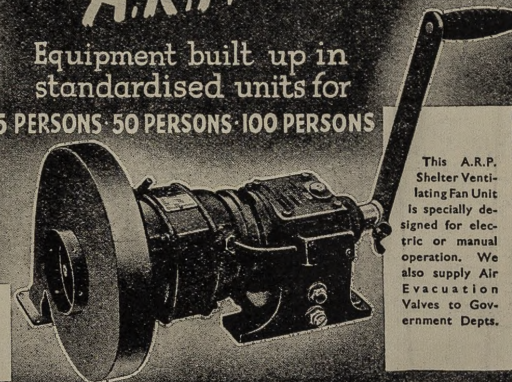
Telephone: Farnworth 363-4-5

## VENTILATION OF *A.R.P. shelters*

Equipment built up in  
standardised units for  
25 PERSONS · 50 PERSONS · 100 PERSONS



Preliminary Air Filter for removing atmospheric impurity from incoming air stream, thereby protecting the principal activated carbon filter elements.



This A.R.P. Shelter Ventilating Fan Unit is specially designed for electric or manual operation. We also supply Air Evacuation Valves to Government Depts.

THE STANDARD & POCHIN BROS. LTD.  
LEICESTER "Calorier" ENGLAND  
Telephone 24114 (2 lines) WORKS Telegrams "Blowing Phone"

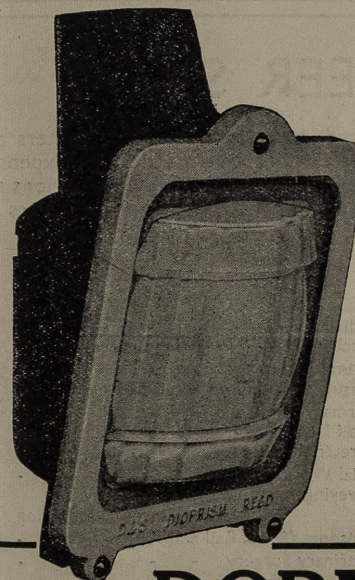
## THE IDEAL FITTING FOR AIR RAID SHELTERS



## DIOPRISM (Regd.) LIGHTING FITTING

EFFICIENT DISPERSION OF LIGHT.  
CAN BE FITTED INTO EVERY CONCEIVABLE POSITION.  
WHEN FITTED FLUSH INTO THE WALL DOES NOT  
OFFER ANY PROJECTIONS TO CAUSE INJURY.

SEND FOR LIST 133



## DORMAN & SMITH LTD.

32, QUEEN VICTORIA ST.,  
LONDON, E.C.4

20, BLYTHSWOOD ST.,  
GLASGOW

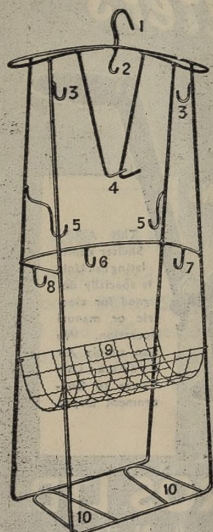
ORDSAL ELECTRICAL WORKS,  
SALFORD, MANCHESTER, 5

ALSO AT  
NEWCASTLE-ON-TYNE MELBOURNE SYDNEY JOHANNESBURG

CONTRACTORS TO ALL GOVERNMENT DEPARTMENTS, LEADING CORPORATIONS, RAILWAYS, ETC.

# AIR RAID PRECAUTIONS EQUIPMENT

RESPIRATORS, PROTECTIVE CLOTHING, HELMETS, REDHILL EQUIPMENT  
STIRRUP PUMPS, GOGGLES, ETC.



## PROTECTIVE CLOTHING HANGER

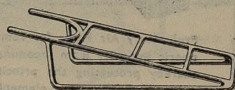
Indispensable for the correct storage of Protective Clothing. Double frame allows perfect ventilation essential to these garments.

The Hooks, etc., are so arranged that each article of clothing is stored in the best possible manner, and when required can be removed in the correct order of dressing.

- 1 Name or Number Plate
- 2 Helmet
- 3 Trousers
- 4 Face piece
- 5 Haversack
- 6 Gloves
- 7 Sou-wester
- 8 Hood
- 9 Tray for Underclothing
- 10 Boots (inverted)



## BOOT JACK Indestructible



Unaffected by gases, etc., and can be readily decontaminated. Rubber boots can be instantly removed without assistance.

## J. BROUGHTON

INDUSTRIAL SAFETY ENGINEERS

SECURITY WORKS, VERE STREET,  
BIRMINGHAM, 5

'Phone:  
MIDland 5901  
(2 lines)

'Grams:  
"AUTOGARD,  
BIRMINGHAM"

# CHOICE OF CAREER SERIES

As a result of an arrangement between the Incorporated Associations of Headmasters and Headmistresses of Public Secondary Schools and the Ministry of Labour, a series of inexpensive pamphlets has been issued in order to give some general knowledge of the conditions and prospects of careers in various professions. The series is under constant revision and prices are liable to amendment.

The following pamphlets have already been issued:—

No.		No.	
6	Accountancy - - - - - 3d.	20	Medicine - - - - - 4d.
25	Agriculture, Horticulture and Forestry - 3d.	8	Merchant Navy (Navigating Officers) - 3d.
5	Architecture - - - - - 3d.	1	Natural Sciences - - - - - 3d.
12	Banking and the Money Market - - - 4d.	17	Nursing and Kindred Services - - - 4d.
10	Commerce - - - - - 3d.	2	Pharmacy - - - - - 2d.
14	Dentistry - - - - - 3d.	23	Retail Distribution - - - - - 3d.
9	Domestic Science (Women) - - - - 3d.	19	Secretarial and Clerical Work for Women 3d.
16	Engineering - - - - - 6d.	22	Social Work (Women) - - - - - 3d.
13	Insurance - - - - - 3d.	4	Surveying, Land and Estate Agency and Auctioneering 3d.
18	Journalism and Publishing - - - - 4d.	24	Transport (Road, Rail and Air) - - - 4d.
15	Law - - - - - 4d.	3	Veterinary Surgery - - - - - 3d.
11	Librarianship - - - - - 3d.		
21	Local Government Services - - - - 3d.		

Postage on 2d. and 3d. pamphlets ½d.; on 4d. and 6d. pamphlets 1d.

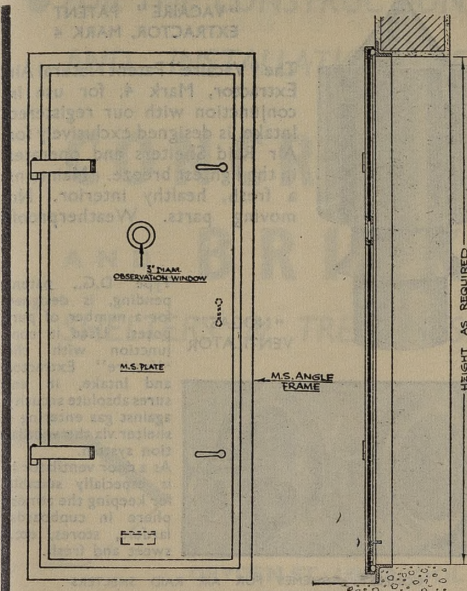
To be purchased directly from

## HIS MAJESTY'S STATIONERY OFFICE

York House, Kingsway, London, W.C.2  
26 York Street, Manchester 1  
80 Chichester Street, Belfast

120 George Street, Edinburgh 2  
1 St. Andrew's Crescent, Cardiff  
or through any bookseller

# HAYWARDS



Many years' experience in the specialised production of Steel Fireproof Doors of both pivoted and sliding types, and up to the very largest sizes as supplied to the Air Ministry, enables Haywards to offer the best technical service under present-day conditions.

## A. R. P. STEEL DOORS

GAS, SPLINTER & BLAST PROOF

Designed to meet all requirements.

Also other special constructions for A.R.P. structures such as Gas-Proof Windows, Gas-Tight Emergency Exit Covers for Shelters, Ferro-Concrete Lights, etc.

Correspondence and enquiries invited.

**HAYWARDS LTD., UNION ST., LONDON, S.E.1**

TELEPHONE: WATERloo 6035-6039

# JULY 1ST

*an important date for*  
**FACTORY OWNERS**

From July first, factory owners are required by the Factory Act to provide washing facilities and **CLEAN TOWELS** for use of their workpeople.

Hundreds of factories throughout Great Britain have already proved that the towels most satisfactory to all concerned are

## ONLIWON PAPER TOWELS

Onliwon Paper Towels are approved by Factory Inspectors. They are both efficient and economical. They are always ready for use and always clean. No laundering arrangements are necessary and pilferage is impos-

sible. Moreover, Onliwon Paper Towels are more absorbent than linen towels, they are soft and agreeable to the touch and are a safeguard against the spread of germ-borne diseases and skin complaints.

Write for samples and quotations.

THE BRITISH PATENT PERFORATED PAPER CO., LTD., HACKNEY WICK, LONDON, E.9



and our way is the finest way to spend a holiday with the opportunity of making new friends. The Co-operative Holidays Association is a non-profit-making body which provides open-air and recreative holidays at any time of the year, in their Guest Houses situated all over Great Britain. It gives you the chance of seeing the countryside at moderate cost. During the season, excursions (four each week) are arranged from each centre, under the guidance of a reliable leader. A host and hostess are also appointed to arrange social activities.

**Charges for Great Britain from 40/- to 55/- per week**  
Excluding Cost of Excursions which ranges from 2/3 to 19/6 per week.

Send for illustrated booklet specifying (a) Home Centres or (b) Continental, to

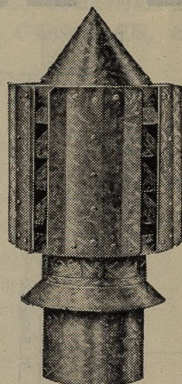


**CO-OPERATIVE  
HOLIDAYS ASSOCIATION**

ROOM T  
BIRCH HEYS : FALLOWFIELD : MANCHESTER 14

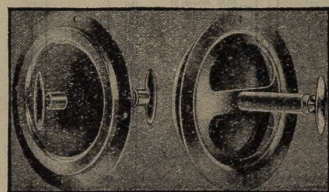
## GREENWOOD-AIRVAC "NOGAS" EXTRACTORS & INLETS

"VACAIRE" PATENT  
EXTRACTOR, MARK 4



The "Vacaire" Patent Natural Air Extractor, Mark 4, for use in conjunction with our registered Intake, is designed exclusively for Air Raid Shelters and operates in the lightest breeze. Maintains a fresh, healthy interior. No moving parts. Weatherproof.

"NOGAS"  
VENTILATOR



Type D.G., patent pending, is designed for a number of purposes. Used in conjunction with the "Vacaire" Extractor and Intake, it ensures absolute security against gas entering a shelter via the ventilation system.

As a door ventilator it is especially suitable for keeping the atmosphere in cupboards, larders, stores, etc., sweet and fresh.

COMPLETE SCHEMES FOR AIR RAID SHELTERS  
INEXPENSIVE VENTILATION FOR A.R.P. PURPOSES

**GREENWOOD'S VENTILATING**

Patentees and Manufacturers. CO., LTD.

Showrooms: 22 NEWMAN ST., LONDON, W.1

Telephone: MUSEUM 8222

Works: ABBEYDALE RD., WEMBLEY, MIDDX.

Telephone: PERIVALE 4488

● FOR THE CONSTRUCTION  
AND INSTALLATION OF  
**CONCRETE  
AND BRICK**  
SHELTERS & TRENCHES

**TYSONS**

(CONTRACTORS) LTD.

DRYDEN ST., LIVERPOOL

Phone: North 2107

Work now in hand for H.M. Office of Works,  
Liverpool Corporation, and many private firms.

## STEEL HELMETS

In accordance with  
Home Office  
Requirements

**QUICK DELIVERY**

Write for price, stating quantities required, to

**J. COMPTON, SONS  
& WEBB, Ltd.**

404-422, Old Ford Road,  
London, E.3

## "MASCO"

MITCHELLS, ASHWORTH,  
STANSFIELD & CO., LTD.

Pioneer Manufacturers of All Classes of

## FELT

For All Mechanical, Engineering and  
Upholstery Purposes

SPECIALISTS IN FELTS FOR AIRCRAFT

"Mascolite" (Ashworth's Patent)  
Foundation Felt for elimination  
of shock, vibration and sound.  
Proofed Felts of all types for pro-  
tective purposes

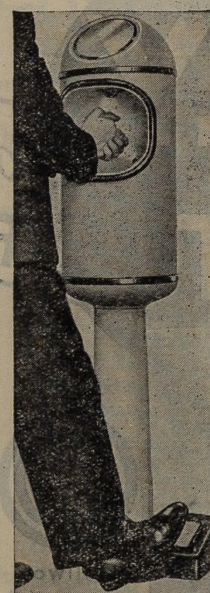
Contractors to Government Depts., Railways,  
Aircraft and Motor Firms

ENQUIRIES SOLICITED

45, Newton Street, Manchester 1,  
England

Telephone - CENTRAL 3503 (Private Branch Exchanges)  
Telegrams - "Feltings Manchester"

## A "Handy" necessity



NO MORE DIRTY, DAMP  
AND EXPENSIVE  
TOWELS IN YOUR  
CLOAKROOMS

if you use a

**"HOMACOL"**

Electric

**HAND DRYER**

saves trouble and saves pounds nor-  
mally paid for laundrying. Low  
cost, no maintenance. Dries quick-  
ly and thoroughly, leaving the hands  
soft and smooth.

Write for Illustrated Leaflet

THE FACTORIES ACT, 1937  
The Home Office have laid down that Electric Hand Dryers  
conform to the requirements of Section 42 of the Factories  
Act, 1937, as "suitable means of drying."

**THE HORTON  
MANUFACTURING CO. LTD.**  
RICKMANSWORTH, HERTS.  
Phone: Rickmansworth 3191 (2 lines)    Telegrams: "Liquisops, Rickmansworth"

## BRITISH & CONTINENTAL STEAMSHIP CO., LTD.

AMSTERDAM, ROTTERDAM, DUNKIRK, ANTWERP,  
GHENT, ETC.

FROM & TO

LIVERPOOL, MANCHESTER &  
SOUTHAMPTON

ANTWERP & GHENT from and to GLASGOW and GARSTON.  
GHENT from and to BELFAST.

AGENTS:

LIVERPOOL { For Rotterdam, Amsterdam and Dunkirk  
Steamers:—WILSON, SON & CO.  
18, Chapel Street, Liverpool, and  
33, Brazennose Street, Manchester.  
and { For Antwerp and Ghent Steamers:—  
MANCHESTER J. T. FLETCHER & CO.  
18, Chapel Street, Liverpool, and  
33, Brazennose Street, Manchester.  
GLASGOW CLYDE SHIPPING CO., LTD.  
BELFAST G. HEYN & SONS, LTD.  
BARROW JAMES LITTLE & CO. (BELFAST), LTD.  
GARSTON JAMES FISHER & SONS, LTD.  
SOUTHAMPTON EDWARD W. TURNER & SON.  
LONDON DAWSON BROS. (Shipping), LTD.  
ANTWERP, GHENT PHS. VAN OMMEREN (LONDON), LTD.  
27, Leadenhall Street, E.C.3.  
ROTTERDAM JOHN P. BEST & CO., S.A.  
AMSTERDAM { P. A. VAN ES & CO.  
PHS. VAN OMMEREN'S SHIPPING  
BUSINESS, LTD.  
VAN ES & VAN OMMEREN, HOLLAND  
STEAMSHIP CO.  
DUNKIRK L. A. DE BAECKER.

## A.R.P.

Expert Construction of  
Underground Shelters fully  
or partially Bomb-proof  
as required.

Shoring up of Basement  
Areas.

**THE FRANCOIS CEMENTATION CO., LTD.**  
BENTLEY WORKS  
DONCASTER

Tel. Nos.:  
54177/8/39.

Tel. Address:  
"Francois, Doncaster."

## Modern standards of Industrial Hygiene demand efficient



Special Steel frames capable of holding single or complete banks of units either in one or two layers supplied. Customers' special requirements quoted for on receipt of detailed drawings.

## VERSIL AIR FILTERS

(Supplied for A.R.P. Work)

are a very simple and inexpensive method of ensuring

DUST FREE AIR

Descriptive literature from  
**VERSIL LTD.**  
Liversedge, Yorks.

London Office:  
59, Southwark  
Street, S.E.1.

Versil bonded Glass Silk is the ideal medium for air filtration, having an extremely low air resistance and, when coated with an adhesive, a very high dust-collecting efficiency. Light in weight, germ and moisture proof.

## HOLIDAYS WITH PAY

COLLECTIVE AGREEMENTS BETWEEN ORGANISATIONS OF EMPLOYERS AND WORKPEOPLE

A booklet designed to assist those who are concerned in making or revising such agreements, showing what has already been achieved in this sphere and summarising the main provisions which such agreements commonly contain. The text of some of the principal agreements already made, and of some agreements which provide features of special interest, is given in full.

Price 9d net.

By post 11d.

HIS MAJESTY'S STATIONERY OFFICE

LONDON, W.C.2: York House, Kingsway  
EDINBURGH 2: 120 George Street  
MANCHESTER 1: 26 York Street  
CARDIFF: 1 St. Andrew's Crescent  
BELFAST: 80 Chichester Street  
or through any bookseller

## BRITISH GOVERNMENT CONTRACTORS

SECTION SPECIFYING THEIR PRODUCTIONS—continued

### PAPER.

#### CALDWELL'S PAPER MILL CO. LIMD.

Inverkeithing, Fifeshire. T. "Caldwell, Inverkeithing."  
Telephone No. 1 Inverkeithing.  
Tub-sized: Air dried Extra Strong Ledger, Writings, White and Tinted Boards, Envelope Paper and Cartridge. Engine-sized: Extra Strong Ledger, Writings, Banks, Bonds, Watermarked and Plain, Linen-faced Writings, Printings, Cartridge, Envelope and Cover Papers, Glazed Imitation Parchment, Special Soft and Hard Greaseproofs.  
London Address: 1/9, Ludgate Hill, E.C.4.  
Telegrams: "Wecarop, Cent. London." Telephone No. 3459 City.

#### EAST LANCASHIRE PAPER MILL Co., Ltd.

RADCLIFFE, Nr. MANCHESTER  
Makers of Fine ESPARTO PRINTINGS  
and ENAMELLING PAPERS  
TELEPHONE Radcliffe 2284-2285 TELEGRAMS "SULPHITE, RADCLIFFE"  
LONDON OFFICE  
College Hill House, 176-178 Upper Thames Street, E.C.

#### THE IMPERIAL PAPER MILLS LIMITED, GRAVESEND

Manufacturing 2,900 tons weekly of the World-Renowned  
"RAYONNE"  
Printing Papers with the Silken Surface.  
Sales Office:  
BLACKFRIARS HOUSE, NEW BRIDGE ST., E.C.4  
Tel.: Central 8707.

#### THE NEW NORTHFLEET PAPER MILLS, LTD.

NORTHFLEET. GRAVESEND. KENT.  
Telephone No.: 555/817 Gravesend. Telegrams: Paper Northfleet.  
ALL ESPARTO, AND WOODFREE QUALITY PAPERS  
Printings: Including Imitation Art, Offset Cartridges, Gravure, and Litho Papers.  
Writings: All grades. Engine-sized, and Tub-sized. Plain and Watermarked  
London Sales Office:—  
E. MACFARLANE & Co., 45 Ludgate Hill, London, E.C.4.

#### ALBERT E. REED & CO. LTD.

MILLS: Aylesford, Tovil and Bridge, Nr. Maidstone, Kent, and London Paper Mills, Dartford, Kent.  
MANUFACTURERS OF NEWSPRINT, UNGLAZED AND M.G. KRAFT, and M.G. SULPHITES AND TISSUES. S.C. AND M.F. PRINTING PAPERS. ANTIQUE, OFFSET, LITHO, CARTRIDGE AND PHOTOGRAVURE PAPERS. PULP BOARDS AND MIDDLES.  
LONDON SALES OFFICE: 50 Cannon Street, E.C.4  
TOTAL OUTPUT OVER 5,000 TONS PER WEEK

#### CHAS. TURNER & CO. LTD.

Springside Works, Belmont, Nr. Bolton, Lancs.  
Telephone No. EAGLEY 126 & 7. Telegrams: TURNERS BELMONT LANCs.  
M.G. Litho Papers, Envelopes, Square and Angle Cut, Coloured and Special M.G.s., Ribbed and Plain, Banks, Bonds, Glazed Imitation Parchment for waxing and Envelope and Drawing Cartridges.  
London Agents:  
JOHNSTON HORSBURGH & CO. LTD., 20/21 Queenhithe, E.C.4  
Phone: Central 3636

### PRINTING INKS.

PRINTING INKS COLORS and VARNISHES, LITHOGRAPHIC PLATES, ROLLER SKINS, TRANSFER PAPERS and MATERIALS.

#### FRANK HORSELL & CO., LTD.,

33 Victoria Road, LEEDS 11.

PRINTING INKS for every printing process

COMPOSITION AND RUBBER ROLLERS

Phone: Central 9651  
Wires: Ushawalker, Fleet, London  
USHER-WALKER LTD.  
USHER-WALKER HOUSE  
Great New Street, London, E.C.4

### ROOFING.

PATENT ROOF-GLAZING.  
Puttyless, Watertight, Dustproof,  
Enduring.

W. H. HEYWOOD & CO., LIMITED,  
HUDDERSFIELD.

### SAFES, ETC.

SAFES AND STRONG ROOMS  
Speciality: TWELVE-CORNER BENT STEEL SAFES.

SAMUEL WITHERS & CO., LTD.,  
WEST BROMWICH

Telegrams: "SAFES, WEST BROMWICH." Telephone: 122 W.B.  
"POSTULATA, LONDON." "0962 Holborn."

### SPONGE CLOTHS AND DUSTERS.

#### SPONGE CLOTH MANUFACTURERS.

SPONGE CLOTHS, UNIVERSAL DUSTERS, DORSET SCOURERS, WEST ENDS, FLOOR CLOTHS, CHECK DISH CLOTHS, Etc., CARPET YARNS IN HANK, CHEESE, CONE OR CHAINS.

WILD & CO., Moss Mill, HEYWOOD.

### SURGICAL DRESSINGS.

All Kinds of  
SURGICAL DRESSINGS.

Established 1839.

ROBINSON & SONS, LTD.,

Wheat Bridge Mills, CHESTERFIELD,  
and 168, Old Street, LONDON.

Telephone No.: 2105. Telegraphic Address: "Staglint," Chesterfield

### SURGICAL DRESSINGS

COTTON WOOL, BANDAGES,  
GAUZE, LINT, ETC.

CELLULOSE WADDING FOR ALL TRADES

SOUTHALLS (BIRMINGHAM) LTD.  
CHARFORD MILLS, BIRMINGHAM

Phone: EAST 0204 (5 lines) Grams: "Southalls," Birmingham

LONDON OFFICE: BUSH HOUSE, ALDWYCH, W.C.2

## BRITISH GOVERNMENT CONTRACTORS

SECTION SPECIFYING THEIR PRODUCTIONS.

### BOOK CLOTHS, ETC.

RED BRIDGE BOOK CLOTH Co. Ltd.  
BOLTON (LANCS) & LONDON

Manufacturers of High-Class  
BOOKCLOTHS & TRACING CLOTHS

London: Holb. 3268

Bolton 279

### COTTON PIECE GOODS.

J. H. GREENHOW & CO., LTD.,

46, Princess Street, MANCHESTER.

Manufacturers of  
KHAHKI DRILLS. WHITE DRILLS. WHITE CALICOES  
BLEACHED ABSORBENT GAUZE AND BANDAGE  
CLOTHS. GREY AND BLEACHED SHEETINGS  
COTTON HANDKERCHIEFS, &c.

Telephone:  
CENTRAL 0631 (2 lines).

Telegraphic Address:  
"DURABILITY" MANCHESTER.

### FELT.

BURY FELT MANUFACTURING Co. Ltd.

Hudcar Mills  
BURY

Every description of Compressed Felt, in the piece or cut up to customers' sizes. Conversant with all Government Specifications.

Phone: 876 Bury (3 lines)

Telegrams: Progress

### METAL COMPONENTS.

Redfern, Stevens Ltd.

For Engineering, Armaments & Woodworking Trades  
Steel Forgings & Drop Stampings; Hot Brass Pressings; Cold press-work, Wirework & Springs; Machined Components of all descriptions, Automatic Capstan Products, Bolts, Screws, Studs, Wing Nuts & Assemblies to A.I.D., I.N.O., W.O., etc. requirements.  
Beverly Works, Alma Street, Birmingham, 6

# CIVIL DEFENCE BILL

*A satisfactory method of protection is the incorporation of SANDBAGS  
in your A.R.P. programme*

for

## JUTE SAND BAGS

AND

## MULTI-PLY PAPER SAND BAGS

*Actual Manufacturers*

# WILLIAM PALFREY LTD.

BRIDGE WORKS

BOW COMMON LANE, LONDON, E.3

Telephones: EAST 1511, 3638, 3719. Telegrams: PALFSACK

**The Multi-Ply Paper Sacks have been perfected by us, so that  
they have a very high resistance to moisture both from the elements  
and any damp materials with which they may be filled.**

**Write for samples and quotations.**

BRITISH LIBRARY  
27 JUN 1939  
OF POLITICAL AND  
ECONOMIC SCIENCE



Vol. XLVII.  
No. 6.

JUNE, 1939.  
*Published Monthly.*

# THE MINISTRY OF LABOUR GAZETTE

## THE BILHAM & DAVIS **A.R.P. SHELTERS**

Maximum Strength — Easy to Handle — Sectional for  
Compact Storage—Can be erected by unskilled labour

### **SPECIAL FEATURES OF THE BILHAM & DAVIS A.R.P. SHELTER**

*Interior finished like a ship's cabin*

1. All Panels Interfitting
2. Water and Gas Tight
3. Special Wedge Lever Handles
4. Observation Hole fitted with Splinterless Glass

**GAS AND WATER TIGHT EMERGENCY HATCH CAN BE FITTED. WIRE ROPE ESCAPE LADDERS**

*All particulars and prices from :*

**BILHAM & DAVIS, A.R.P. Dept. 5, 45 CHARLTON ROAD**  
(SECTIONAL STEEL SHELTERS) LTD.,

SHEPPERTON, MIDDLESEX. Telephone: Walton-on-Thames 2111

**FLANGED GALVANIZED SHEET STEEL  
AS APPROVED BY THE HOME OFFICE**

LONDON  
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.  
To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: York House, Kingway, London, W.C.2; 122 George Street, Edinburgh 2; 26 York Street, Manchester; 7 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.

**Price Sixpence net.**

Annual Subscription, 7s. net, post free.



# New Industries ... Succeed at HULL

**BRITAIN'S CHEAPEST PORT**

Information re Sites & Services from  
Town Clerk **HULL**



## AIDS FOR A.R.P.

ALSO

**BLEAPEL**  
*finish*

(VELAN PROCESSED)

**PERMANENTLY  
WATER REPELLENT**

Means: fabrics have been Velan Processed and are, therefore, Permanently Water Repellent, also spot and stain resisting, with a wonderful "softness" and "suppleness."

## BLEACRAFT *Sanforized-Shrunk Finish*

When fabrics are Bleacraft Sanforized-Shrunk you can be assured of definite non-shrinkage. Garments made from such materials will never shrink out-of-fit.

**SUITABLE FOR ALL TYPES OF A.R.P.  
OVERALLS AND HOSPITAL UNIFORMS**

There are also special  
**'BLEACRAFT' FINISHES**  
for A.R.P. Window Blinds

WRITE FOR DETAILS

Write for full  
particulars to  
PUBLICITY DEPARTMENT

**BLEACHERS' ASSOCIATION LTD**  
BLACKFRIARS HOUSE · PARSONAGE · MANCHESTER 3