

# THE ARCHITECTS' JOURNAL



## standard contents

every issue does not necessarily contain all these contents, but they are the regular features which continually recur.

## NEWS and COMMENT

Diary

News

Architects' Commonplace Book

Astragal's Notes and Topics

Letters

Societies and Institutions

## TECHNICAL SECTION

Information Sheets

Information Centre

Current Technique

Questions and Answers

Prices

The Industry

## PHYSICAL PLANNING SUPPLEMENT

## CURRENT BUILDINGS

## HOUSING STATISTICS

Architectural Appointments  
Wanted and Vacant

★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to H one week, I to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
ICW	Institute of Clayworkers. 4, Vernon Place, W.C.1.	Chancery 6258
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers. 1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers. 72/74, Victoria Street, S.W.1.	Victoria 0146/7
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Euston 2450
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	Museum 1783
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8.	Park 7678
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Belgrave Square, S.W.1.	Sloane 4522
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Abbey 5277/8
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers. 2, Caxton Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives. 8, Rosebery Houses, Breams Buildings, E.C.4.	Holborn 1881
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Langham 4041
NHTPC	National Housing and Town Planning Council. 41, Russell Square, W.C.1.	Museum 1264
NPL	National Physical Laboratory. Head Office, Teddington.	Molesley 1380
NRIAD	National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2.	Whitehall 2415
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 7611
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Edinburgh 20396
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RICS	Royal Institution of Chartered Surveyors. 12, Great George Street, S.W.1.	Whitehall 5322
RFAC	Royal Fine Art Commission. 6, Burlington Gardens, W.1.	Regent 1446
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers. 20, Piccadilly, London, W.1.	Regent 6347
SCR	Society for Cultural Relations with the USSR. 98 Gower Street, W.C.1.	Euston 6272/3
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Metropolitan 8344
SNTPC	Scottish National Town Planning Council. 11, Drumsheugh Gardens, Edinburgh, 3	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6146 (3 lines)
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

No. 2740] [Vol. 106  
THE ARCHITECTURAL PRESS  
9, 11 and 13, Queen Anne's Gate, Westminster,  
S.W.1. Phone: Whitehall 0611

Price 9d.

Registered as a Newspaper



## STANDARD PANELLED DOORS

(BRITISH STANDARD 459-1944)

## EJMA WOOD WINDOWS

(BRITISH STANDARD 644-1945)

## SHARP BROS & KNIGHT LTD

JOINERY MANUFACTURERS --

LION HOUSE

Red Lion Street, Richmond, Surrey

Telephone . . . . . Richmond 0165

*midloc*  
*pegstay*



**MIDLOC.** Single point fastener finished dull nickel plate or A.C.B. Gives smooth and positive closure for light casements.

**PEGSTAY.** Standard type for casement and vent—holds window closely at two points when shut.

Also in dull nickel plate or A.C.B. finish. CODE DESIGN FITTINGS ARE STANDARDISED FOR USE WITH E.J.M.A. CASEMENTS

Send for particulars of Code Designs specialties, including Rodlocs, Hinges, Swivots, etc.



# Code Designs Ltd.

OLDFIELD LANE • GREENFORD • MIDDX.

Phone : WAXLOW 2828

# DURABLE FLOORS

## AVAILABLE NOW

for  
**HOUSING**

**OFFICE**

**FACTORY**

RETAIL  
**SHOPS**

**DURABLE** floors are suitable for every type of building project. They are dust-proof, damp-proof, fire-proof, easily cleaned, noise reducing, and lasting. Cool in summer and warm in winter they can be supplied in 3 colours : red, black and brown. For factory and machine shop we can supply and lay special hard-wearing acid and oil-resisting floors.

We can accept flooring contracts anywhere in the United Kingdom—**NOW!**

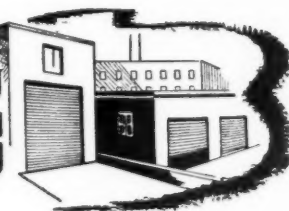
WE HAVE AN EXPERT TECHNICAL STAFF AVAILABLE TO ADVISE AND CO-OPERATE ON SPECIAL PROBLEMS

## DURABLE ASPHALTE CO., LTD.

13a, GORDON PLACE,  
KENSINGTON, W.8.

Telephone : Western 0902 (4 lines)

## REVOLVING SHUTTERS



### FOR INCREASED EFFICIENCY

They save space, cut down loading time, economise in labour, and show many advantages over hinged doors. Installation and maintenance costs are low and models can be supplied to operate by pole, handle or electricity.

We are specialists also in the manufacture of **HAND LIFTS AND SLIDING PARTITIONS.**

*Thornborough & Son*  
(MANCHESTER) LTD

59, CHAPEL STREET, MANCHESTER, 1

Tel. : ARDWICK 3948.

\*Grams : Thornborough, Ancoats, Manchester.

London : Tudor Works, N.W.10.

\*Phone : Elgar 6478.

T 58.2

S

or  
ey  
e-  
g,  
nd  
ed  
n.  
ve  
d-  
rs.

ts

D.





THE LONDON SAND BLAST DECORATIVE GLASS WORKS LTD.  
*for GLASS*

MIRRORS

•

SCREENS

•

DOOR PANELS

•

FOUNTAINS

•

WALL LININGS

•

BALUSTRADES

•

LIGHTING FITTINGS

•



SIGNS

•

FASCIAS

•

MAPS

•

TABLETS

•

INDICATORS

•

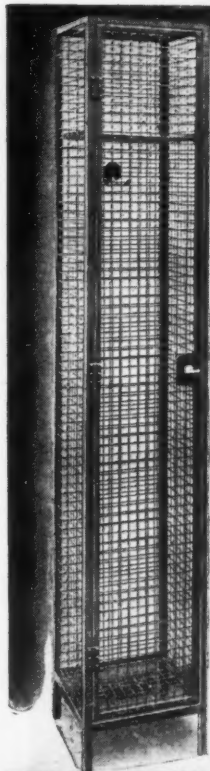
TRAFFIC &

DIRECTION SIGNS

•

SEAGER PLACE, BURDETT RD., E.3.

TELEPHONE: ADVANCE 1074



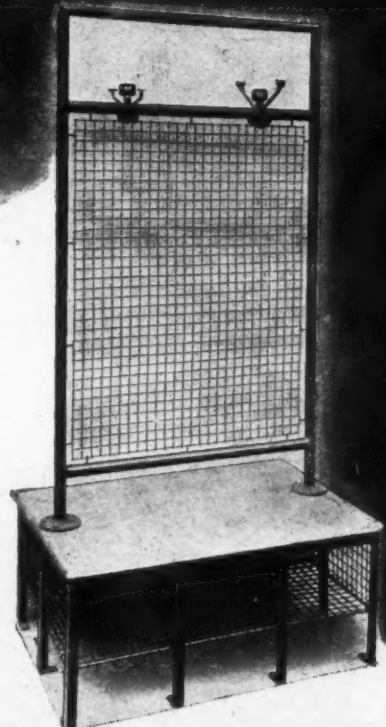
*For Factory  
& School -*

**"HARCO"**

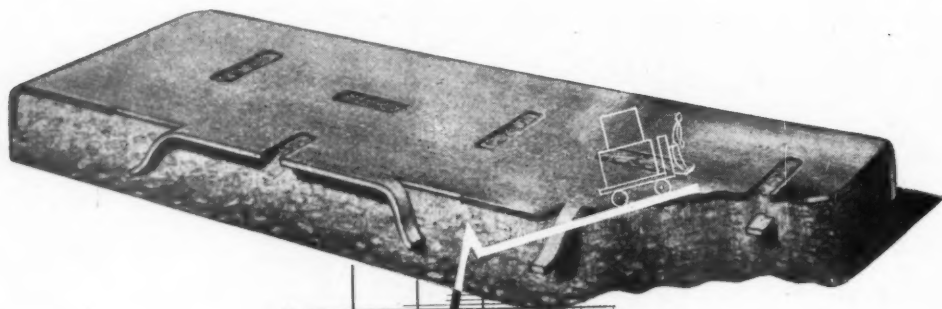
**Wirework of every description  
and for all purposes.**

Our many products include  
Lockers, Cloakroom Fittings, Par-  
titions, Lift Enclosures, Radiator  
and Pipe Covers, Machinery and  
Belt Guards.

*Catalogue A.J. 725 sent on request.*



**G.A. HARVEY & CO (LONDON) LTD** **WOOLWICH RD**  
**LONDON S.E.7.**

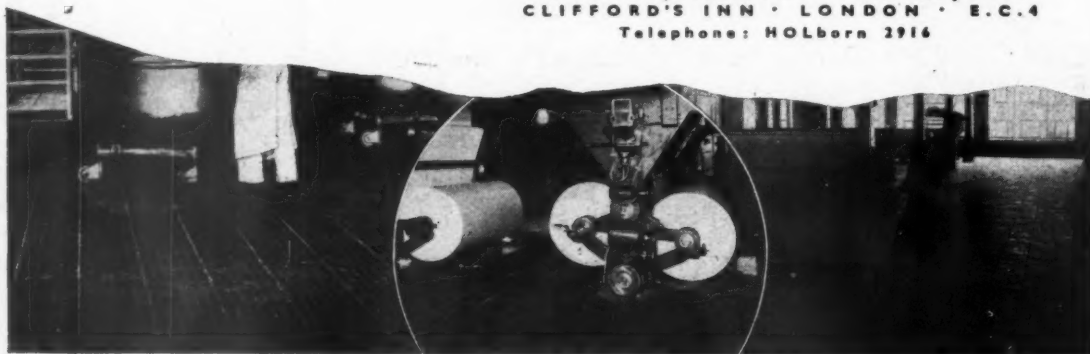


LAY *Stelcon* AND  
INCREASE OUTPUT

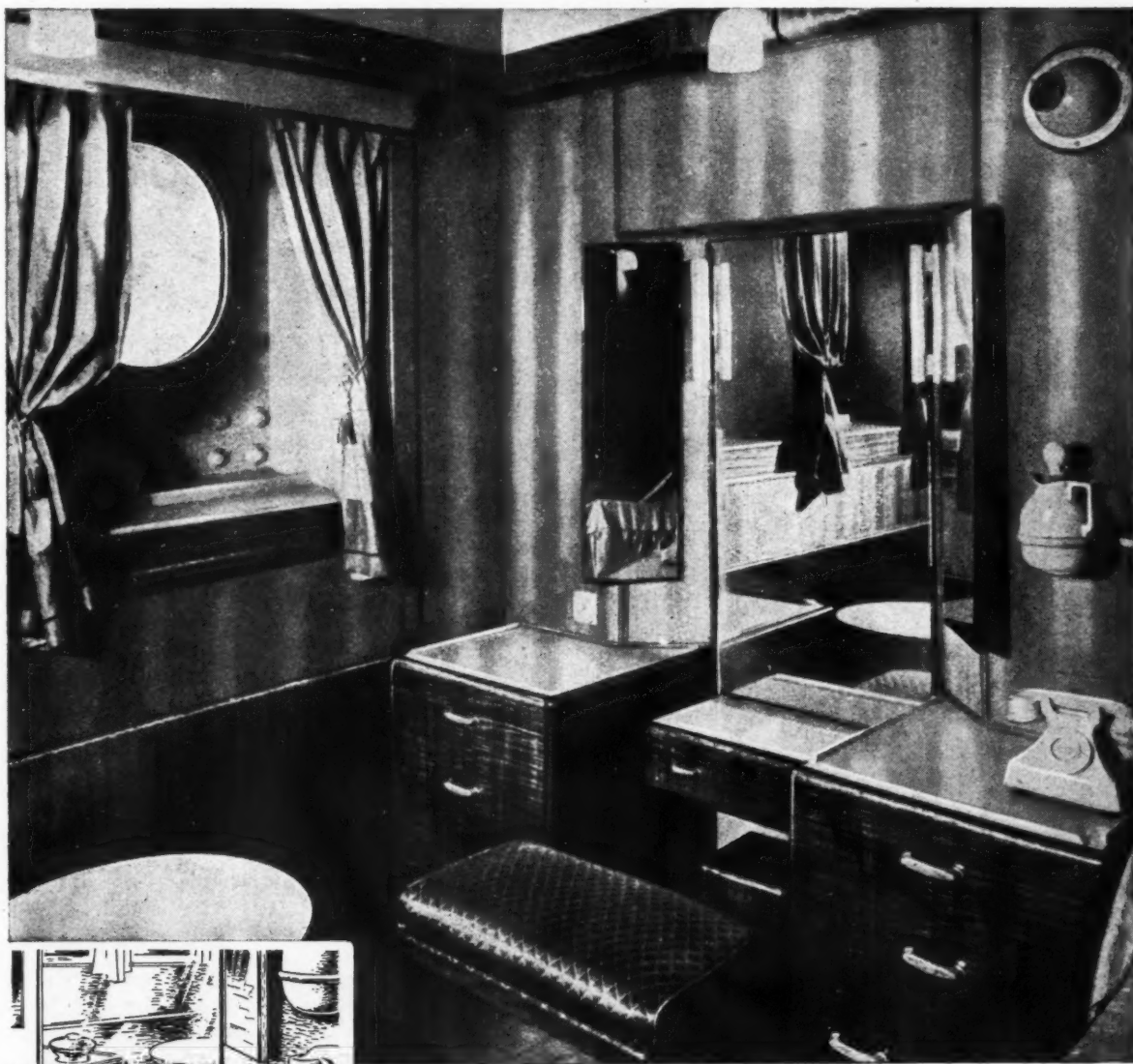


Good floors ensure smooth running for men and machinery. With STELCON floors, increased efficiency without increased effort is achieved.

**STELCON (INDUSTRIAL FLOORS) LTD.**  
CLIFFORD'S INN · LONDON · E.C.4  
Telephone: HOLborn 2916



*The working surfaces of furniture in the Cunard White Star liner  
'Queen Elizabeth' are protected with WARERITE Laminated Plastics.*



W.50

The problem of applying to fine furniture handsome and hygienic surfaces that will withstand much harder service than normally met with in the home is solved by using WARERITE Laminated Plastics. These materials combine strength and rigidity with permanent beauty of finish. They resist sun and sea air, hot dishes, fruit juices, spirits, perfume, burning cigarette ends . . . can be wiped clean with a damp cloth.

**WARERITE** TRADE MARK  
LAMINATED PLASTICS

MADE BY WARERITE LIMITED • WARE • HERTS • UNIT OF BAKELITE LIMITED • Grams WARERITE • WARE • Phone WARE 502

1787

# Nobles & Hoare's

**ALBAMATTE** Flat Oil Paint.

**NOBLEX** Washable Distemper.

**NOBELIN** A high-grade synthetic Enamel supplied in a full range of colours. Suitable for use on wood or metal surfaces.

**ALBAGLOSS**

A perfect white Enamel, hard drying, elastic, providing a fine lustrous finish and highly resistant to atmospheric conditions.

**BODICOTE** Ready mixed flat white Under-coating with exceptional degree of obliteration.

**VARNISHES** For interior and exterior use.

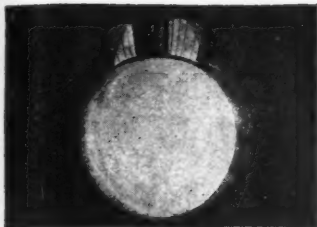
**NH**

**Nobles & Hoare**  
LIMITED

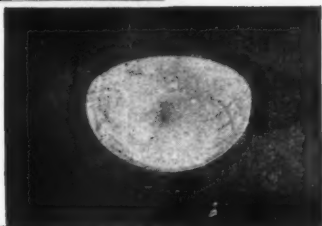
Varnish, Paint and Cellulose Lacquer Manufacturers  
Woodbridge Works, Kingston Road, Leatherhead, Surrey.  
Tel.: Leatherhead 2450 & 2992

1947





## ULTRALUX



## ULTRALUX 'G'

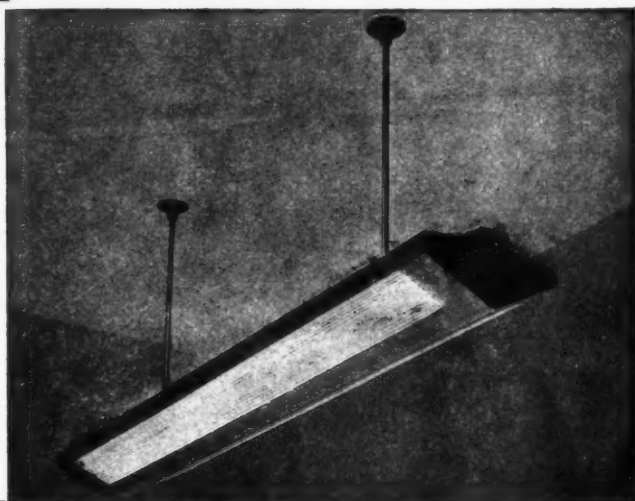


## DECORATIVE

*and now*

## TUBALUX

*fluorescent*  
FITTINGS



The fluorescent tube has created new problems for the designer — problems not only of suitable design of the fittings themselves, but of the planning and disposition of units to ensure a successful installation. In designing our new TUBALUX series of fluorescent fittings, the same happy combination of creative thought and technical knowledge has been applied as in the well-known ULTRALUX range. Simple and satisfactory in form, easy to instal and maintain, TUBALUX fittings lead the way to a more imaginative use of fluorescent lighting.

*Architects and consulting engineers will always find our design staff — under the guidance of A. B. Read, R.D.I., Director of Design — ready to collaborate on problems of lighting design.*

**TROUGHTON & YOUNG (LIGHTING) LTD**

The Lighting Centre

LTD.

143 Knightsbridge · London · S.W.1

Telephone: Kensington 8881 (10 lines) ·



**CONCRETE  
FLOORS  
FREE FROM DUSTING**

by simple application of Tretol  
Fluat to Old and New Floors  
Oil and Acid resisting

**TRETOL** FLUAT CEMENT SURFACE HARDENER

Tretol Ltd., 12 North End Road, London, N.W.11.

Tel. Speedwell 4621 (5 lines)







## One of England's *Fine* Hotels



### *Modernising Hotel, Canteen and Hospital Kitchens is a Specialist Service of Radiation*

The Victoria Hotel, Sidmouth, re-opened last August, is using the best available facilities to provide good cooking and service.

The Management and Chef demonstrated their confidence in Radiation design and equipment by calling into consultation the Radiation Kitchen Planning specialists.

The services of these specialists are available—entirely without obligation, of course—to all concerned in the planning and equipment of kitchens for hotels, hospitals, canteens and similar establishments.

*Illustration shows the Victoria Hotel. The kitchens have been re-planned, and equipped with the latest gas and steam cooking appliances, by Radiation Ltd.*

## Radiation Ltd

*Makers of the Regulo New World Gas Cookers  
Silent Beam Fires and New World Water Heaters*

RADIATION HOUSE, ASTON, BIRMINGHAM, 6. PALATINE WORKS, WARRINGTON, LANC.  
SHOWROOMS AND LONDON OFFICES: 7, STRATFORD PLACE, LONDON, W.1.



The Raven Hotel, Droitwich Spa, is one of the many old Manor Houses in England which have been converted into hotels. Built originally in the Elizabethan age, it has recently been redecorated with an external facing of white Snowcem waterproof cement paint.



BELTON HOUSE, LINCOLNSHIRE

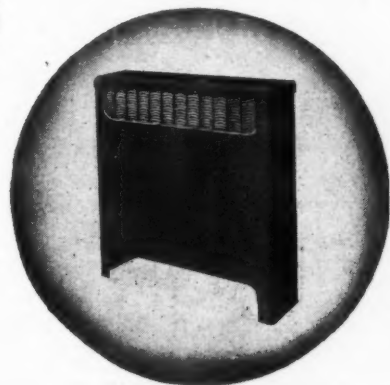
*A fine example of a country house built at the beginning of the reign of William and Mary.*

*The decoration takes the form of fine carving in the classical style made popular by Wren, an effect more spacious and less heavy than in the preceding Elizabethan period.*

## Yesterday—the “Classical” Fireplace —Today—**Copperad** Efficiency

IN these days of fuel economy, when cleanliness with minimum of labour are essentials, **COPPERAD CONVECTOR** Heaters provide the answer to today's heating problems.

**COPPERAD** ventilates as it warms, is easy to instal and attractive in appearance. Write for details of the **COPPERAD** heating system.



# Copperad Ltd.

### LONDON OFFICE:

Copperad Limited, 87 High Holborn,  
LONDON, W.C.2

Telephone: HOLborn 0498/9

Representatives at: Belfast, Cardiff, Leeds, Manchester,

### HEAD OFFICE AND WORKS:

Copperad Ltd., Copperad Works,  
Poyle Road, COLNBROOK, Bucks.

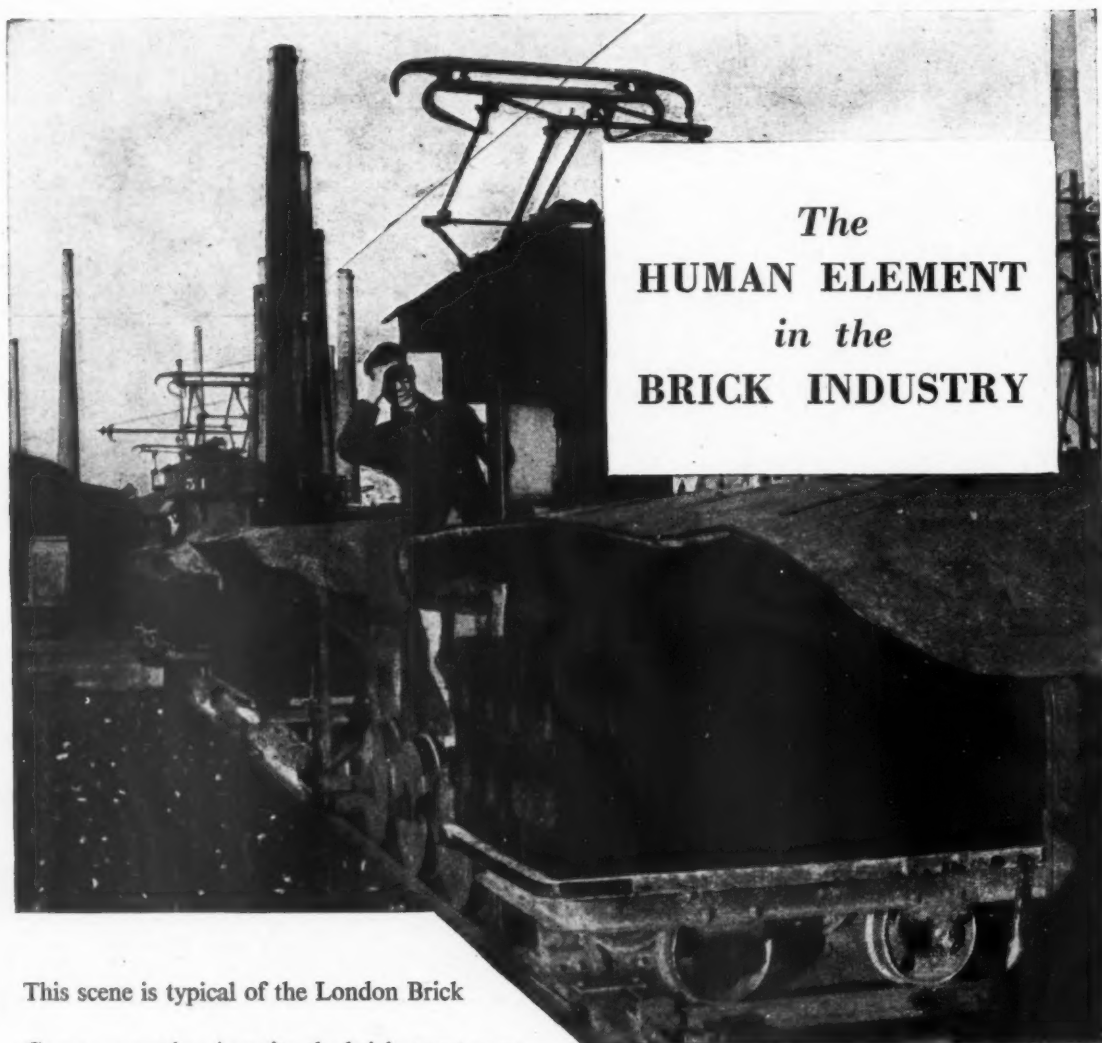
Telephone: Colnbrook 203/4

### NORTHERN AND SCOTTISH OFFICE:

Copperad Limited, 30 Rutland Square,  
EDINBURGH

Telephone: Edinburgh 24067

Nottingham and Wolverhampton



*The*  
**HUMAN ELEMENT**  
*in the*  
**BRICK INDUSTRY**

This scene is typical of the London Brick Company works. As units, the bricks must sometimes be handled by manual labour — both in the green and in the burnt state. In bulk, they are invariably handled by machines. But whether he is a machine operative, or a manual labourer, the London Brick Company employee enjoys the best possible working conditions. His welfare is regarded as a matter of paramount importance, and every provision is made for his recreation and relaxation.

Benefits enjoyed by London Brick Company employees include: Profit Sharing Bonus Scheme, introduced in 1926; Holidays with Pay, introduced in 1930; Pensions and Life Assurance Schemes, introduced in 1936; the Model Village and Social Centre at Stewarthy; Canteens; comprehensive indoor and outdoor recreational facilities; sports grounds; club premises; welfare departments; safety and first-aid organisations.



PHORPRES

LONDON BRICK COMPANY LIMITED

L.B. 38





**THE 'LEDA' RANGE OF LAVATORY LEGS** has many advantages over the lavatory stand. They are graceful and distinctive in design, simple to fix. They are supplied as single legs in three patterns—plain, with fixed towel rail, or with swinging towel rail, each pattern being available with circular or octagonal sections, with or without invisible height adjustment. Heavily chromium plated on brass, they are constructed to mount on a mild steel top-frame which is made in sizes to fit all standard basins. Thus it will be seen that the legs are interchangeable, can be arranged in a wide variety of combinations, and are equally suitable for a range of lavatories or for a single basin. Carrying the modern motif that distinguishes the range of which they form a part, 'Leda' Fittings are distributed only through recognised stockists, but descriptive literature is available direct from the manufacturers.



**W. C. YOUNGMAN LIMITED**

*Bathroom Fittings Department,*

**WANDSWORTH WORKS, WANDSWORTH ROAD, LONDON, S.W.8.**

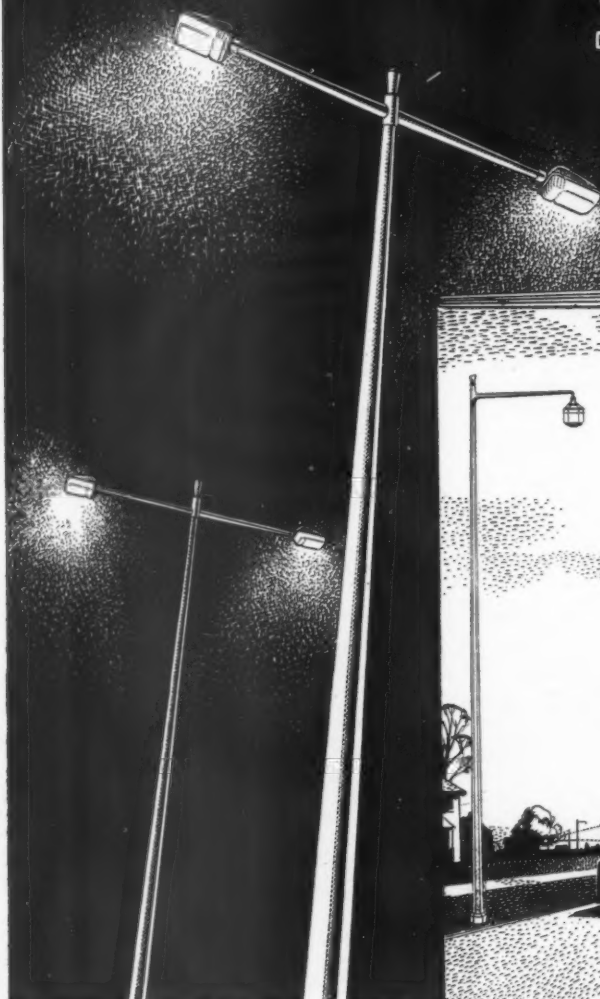
Telephone : MACaulay 2233 (7 lines)

Telegrams : "Bildaplan, Claprad, London."

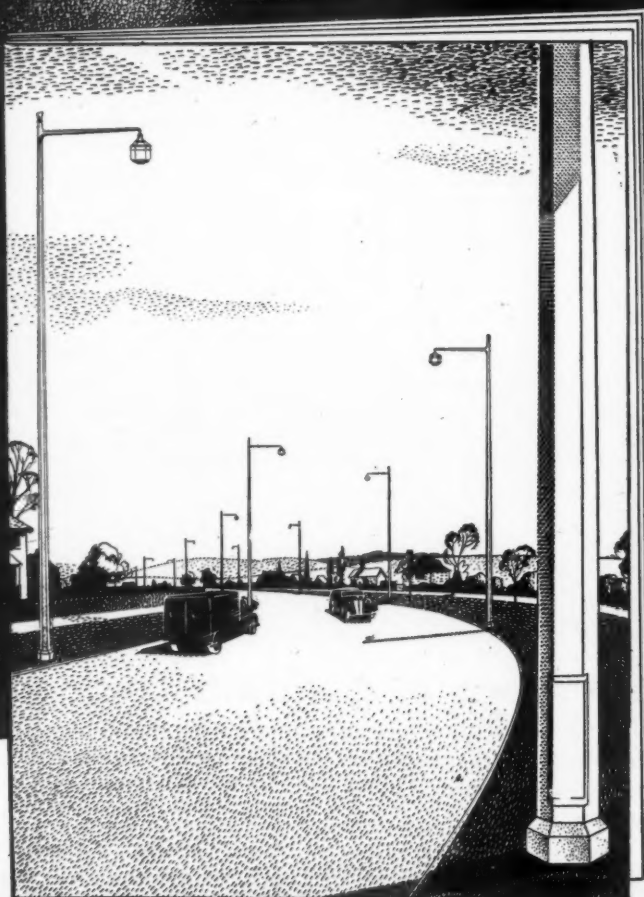
# ★ ADASTRA ★

*GALVANISED SECTIONAL STEEL*  
**LIGHTING STANDARDS**

HEXAGONAL  
OR CIRCULAR



**SEND FOR  
CATALOGUE**

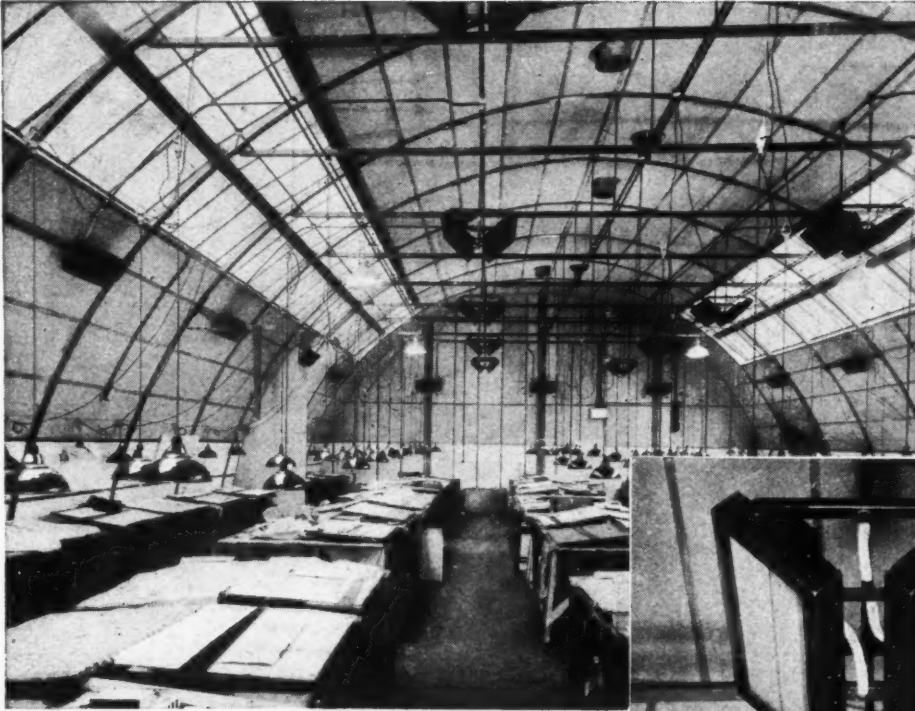


## **POLES LTD**

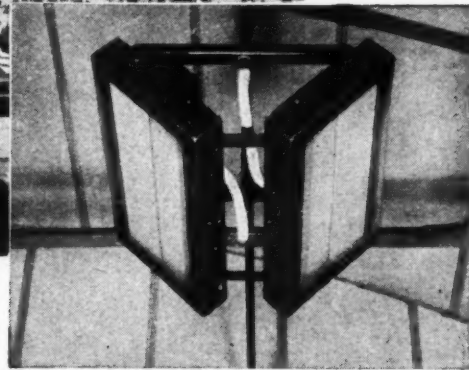
TELEPHONE: ERDINGTON 1616

## **TYBURN RD ERDINGTON BIRMINGHAM 24**

TELEGRAMS & CABLES: 'POLES' BIRMINGHAM  
CODES: BENTLEYS 2nd A.B.C. 5TH



*Architectural Association Temporary Building, Tottenham Court Road, W.1.*



*Hiraе "V" Type Radiant Panel*

## Installation of **RADIANT WARMING** in Temporary and Ancillary Buildings

A simple and economical method of providing the advantages of Radiant Warming in buildings where a built-in system of Radiant Warming is unsuitable is by the use of "Hiraе" Electric Radiant Warming Panels.

"Hiraе" Radiant Warming Panels are of all-metal construction with insulated backs, the normal size being 24" x 12", and can be used singly or in pairs, the total number depending on the cubic space to be warmed. The rating is 500-600 watts per square foot and the normal running

temperature under thermostatic control is approximately 300°-350°F.

The approved method of installation is to suspend the Hiraе Panels from the ceiling where a minimum height of 10 feet can be obtained, or mount them on brackets from the walls. This arrangement assists even distribution of heat rays and as the Hiraе Panels may be built into lighting fittings the requirements of heating and lighting can be solved concurrently. Richard Crittall will supply full detailed information on application.

**RICHARD  
CRITTALL**



*By Appointment  
Engineers  
to H.M. King George VI.*

**RICHARD CRITTALL AND COMPANY LIMITED**

**LONDON:** 156, GREAT PORTLAND STREET, W.1  
**BIRMINGHAM:** Prudential Buildings, St. Philip's Place.  
**LIVERPOOL:** Martin's Bank Building, Water Street.  
**POTTERIES:** Jubilee Chambers, Stafford St., Hanley.

Telephone: Museum 3366  
Telephone: Central 2478  
Telephone: Central 5832  
Telephones: Stoke-on-Trent 29385

**SPECIALISTS IN:** HEATING, VENTILATING, AIR  
CONDITIONING, ELECTRICAL INSTALLATIONS,  
HOT AND COLD WATER AND STEAM  
SERVICES, BOILER HOUSE INSTALLATIONS.

R.C. 101



For  
Conduit  
Installations

there's  
only one  
word:—

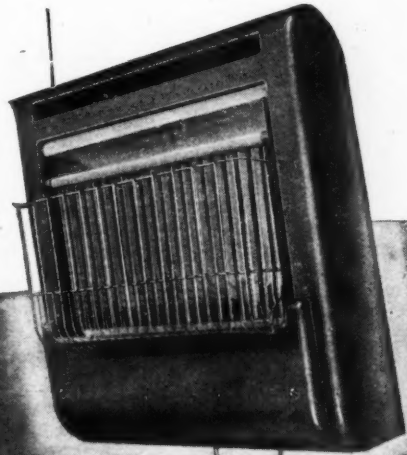
**Walsall**

**WALSALL CONDUITS LTD · WEST BROMWICH · STAFFS**



# LUMINOUS PANEL HEATING

for the coming winter



*Ideal for* **FACTORIES, SCHOOLS, CHURCHES etc.**

Now is the time to plan and instal heating systems to meet the rigours of winter in factories, workshops, offices etc. Comfortable and evenly distributed heat is quickly obtained with Bratt Colbran Overhead Radiant Heaters over the whole or part of a building. Suspended from the roof or wall they save floor space and direct heat where required. Control may be individual or in groups, manual or by thermostat. The four types: Bowl, Wedge, Wall and the Luminous Panel, are all silent in operation, and each possesses its own special advantages. Delivery of these Heaters can now be made in time to instal them for the coming winter.

**CONSULT YOUR LOCAL GAS UNDERTAKING**

*or write direct to us for technical advice on installation layout*

**BRATT COLBRAN LIMITED**

10 MORTIMER STREET, LONDON, W.1. Phone: MUSEUM 9411, 9311

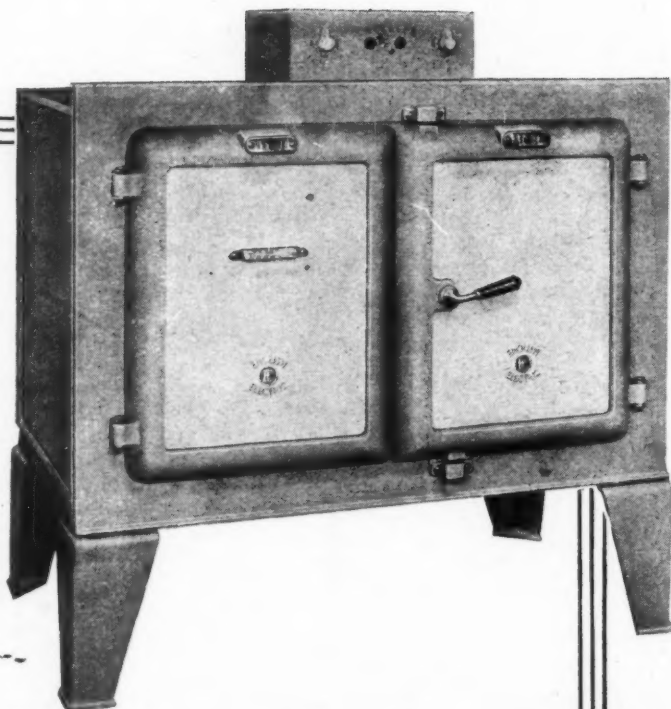
OTHER TYPES OF OVERHEAD  
RADIANT HEATERS



"English Electric" Heavy Duty Cooking Ranges for hotels, restaurants, schools, canteens, are designed to give first-class service for many years. Of robust construction and pleasing appearance, they are easily cleaned and the elements can be withdrawn without difficulty for inspection or replacement.

An important feature is the unit type hotplate. All hotplates are made up of one, two or four units, each 8" x 6" of 1.45 kW. loading; thus only one size of spare unit is required for the whole of the hotplate equipment.

The exterior is finished in vitreous enamel, the door panels and drip trays being white and the remainder light grey mottled.

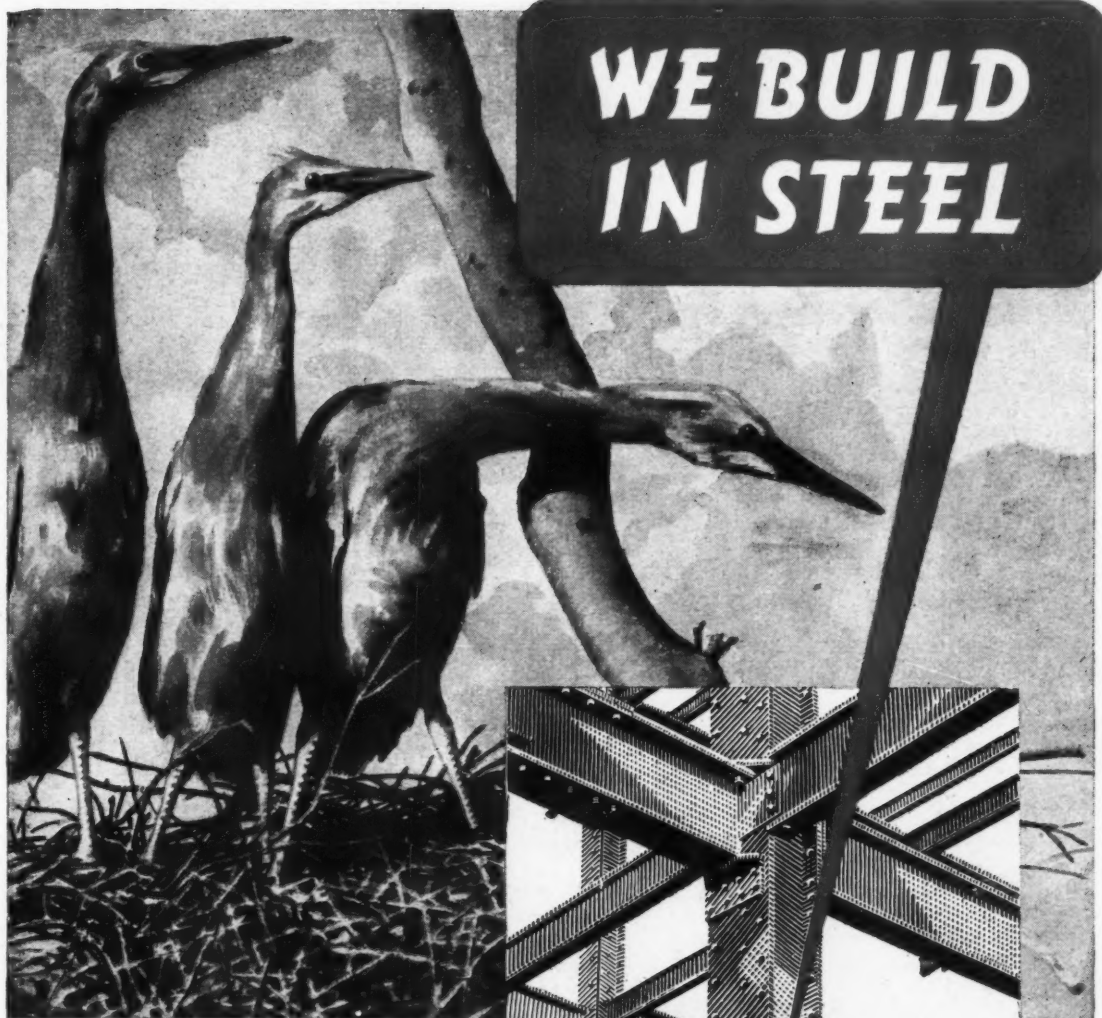


# Heavy Duty Cooking Appliances by "English Electric"



**The ENGLISH ELECTRIC Co. Ltd**

Domestic Appliance Dept., Queen's House, Kingsway, W.C.2



**T**HE heron's nest of sticks and twigs and wisps of straw is often the patient accumulation of years. In a way, our buildings of steel also represent a long accumulation, not of material but of experience and ever developing skill.

**BANISTER,  
WALTON & CO.  
LTD.**  
**STRUCTURAL STEELWORK**  
RIVETED ★ WELDED



LONDON, S.W.1 — 82 Victoria Street

MANCHESTER 17 — Trafford Park

BIRMINGHAM 15 — 192 Broad Street



*We are heating, ventilating  
and plumbing engineers with  
an experience going back to  
1892. We design and install  
equipment on any scale.*

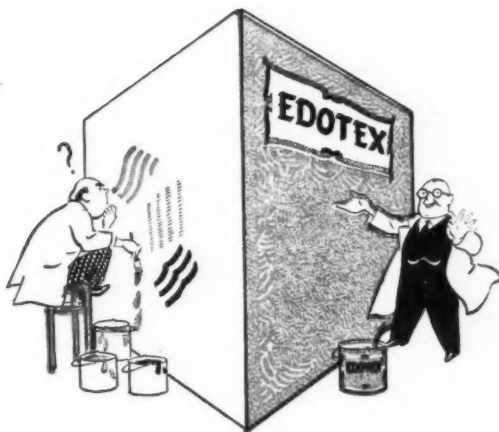


ELLIS (KENSINGTON) LTD · KENDRICK PLACE · LONDON · S.W.7  
Telephone : Kensington 1420



# EDOTEX

## PLASTIC PAINT



The production of striped paint is still unsolved in our lab., BUT . . . we have solved the Plastic paint problem. We have christened this apple of our eye EDOTEX. Between ourselves it was called other names by the chemists, especially at the beginning when we rattled off a list of the requirements. It must have easy workability, no sharp set, . . . working interval, beauty, permanency and it must be the best Plastic Paint! Quite a list wasn't it, but we like difficult jobs and more especially praise from users, it assists our fan mail figures. Full details of Edotex and other products of the Edlac Range sent on request.



### FERGUSON EDWARDS LIMITED

PAINT & VARNISH MANUFACTURERS, ABBEY ROAD BARKING ESSEX

TELEPHONE: RIPLEWAY 3671 (4 LINES) TELEGRAMS: EDLACA, BARKING



It is pleasing to  
both hand and eye,  
it stands up to  
hard usage,  
it does its job—  
like all  
door furniture

by

**LACRINOID**

TRADE MARK

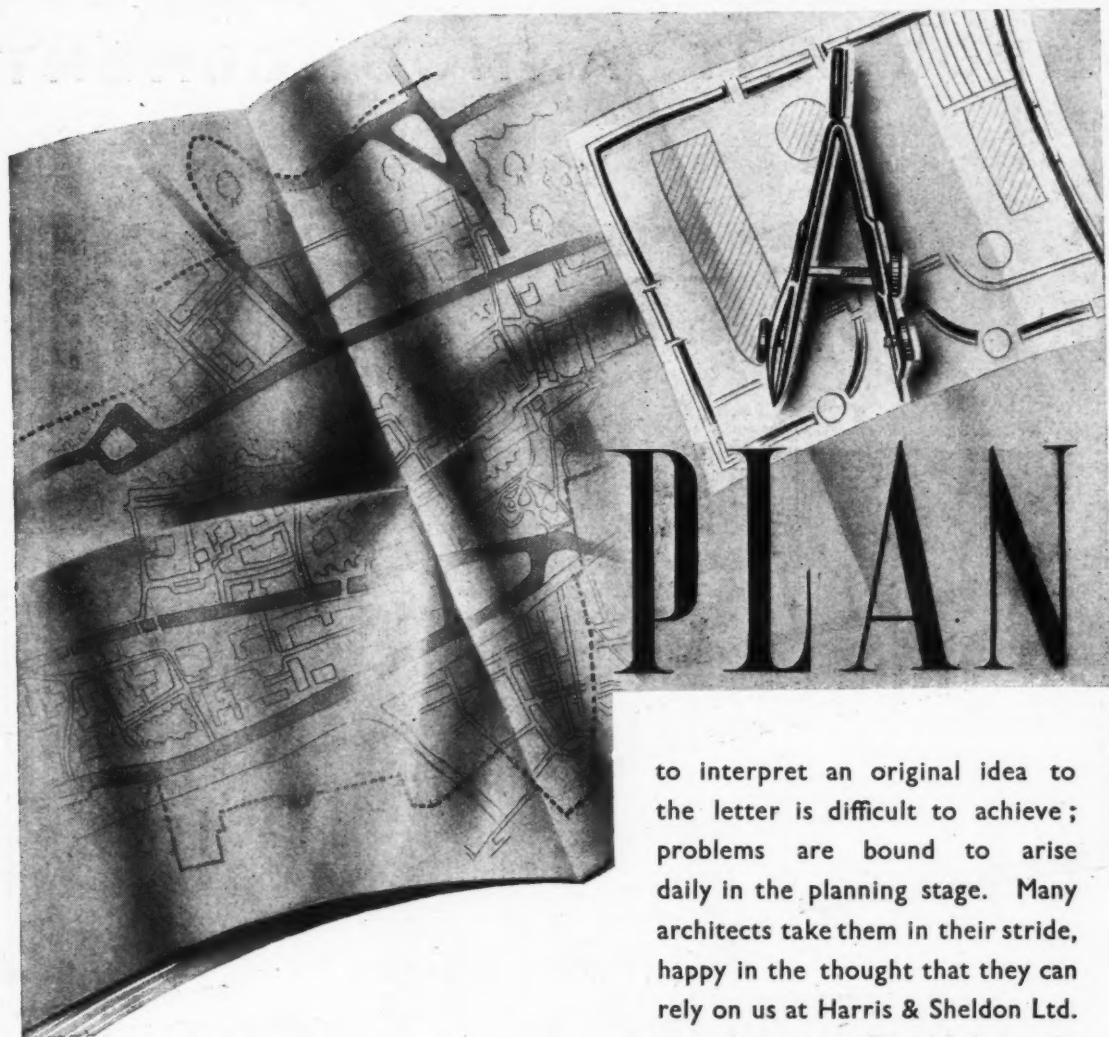
Now also made in our Canadian Plant

LACRINOID PRODUCTS LTD 90 REGENT STREET LONDON W.1 Regent 5001









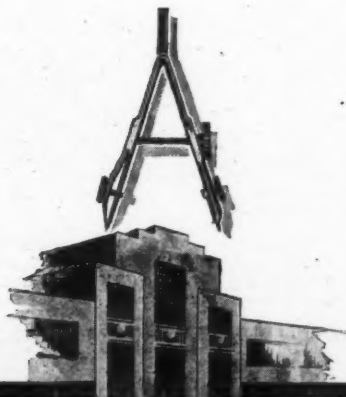
to interpret an original idea to the letter is difficult to achieve; problems are bound to arise daily in the planning stage. Many architects take them in their stride, happy in the thought that they can rely on us at Harris & Sheldon Ltd. to make every effort to keep the balance of that created plan in the finished construction. Consult us with your specific problem, we give you sound advice gleaned in the hard school of experience.

## Harris & Sheldon Ltd

*Complete Shop Fitters*  
STAFFORD STREET, BIRMINGHAM, 4  
Telephone: CENTral 7101

also at

GLASGOW . MANCHESTER . LONDON



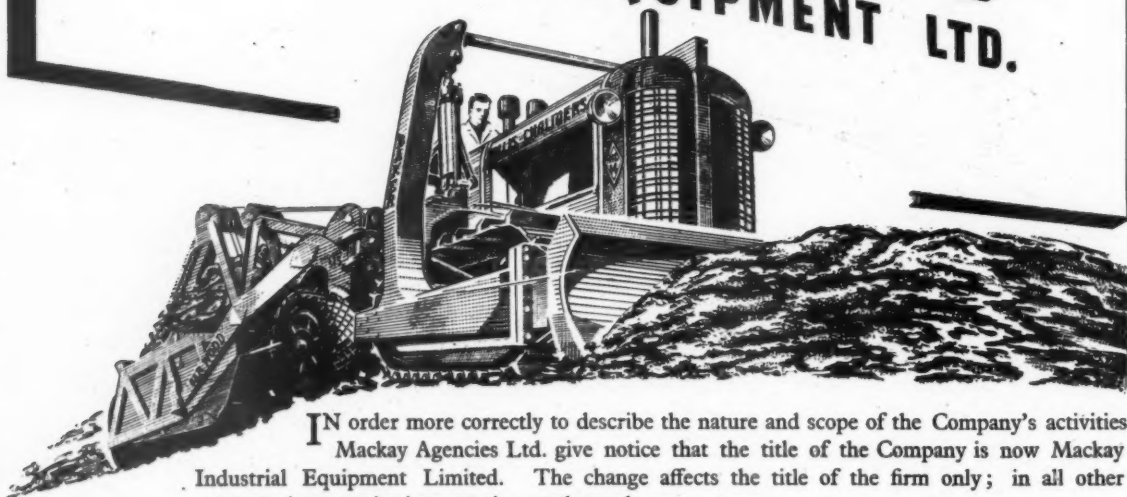
# IMPORTANT ANNOUNCEMENT

will in future  
be known as

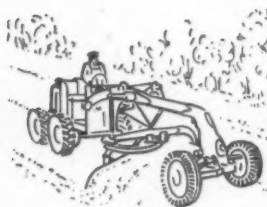
**MACKAY AGENCIES LTD.**

# MACKAY

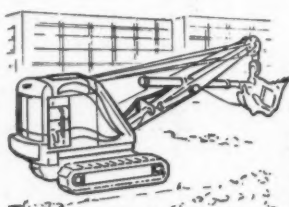
**INDUSTRIAL EQUIPMENT LTD.**



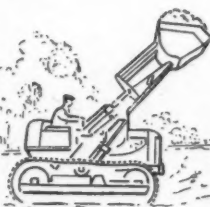
IN order more correctly to describe the nature and scope of the Company's activities Mackay Agencies Ltd. give notice that the title of the Company is now Mackay Industrial Equipment Limited. The change affects the title of the firm only; in all other respects the organisation remains unchanged.



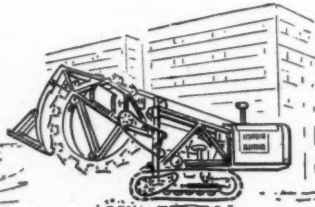
ALLIS-CHALMERS  
MOTOR GRADER



BUCKEYE CLIPPER



ALLIS-CHALMERS H.D.5  
AND TRACTO-SHOVEL



BUCKEYE TRENCHER

Sole Agents in the United Kingdom for ALLIS-CHALMERS MANUFACTURING COMPANY (INDUSTRIAL TRACTORS).  
ANCILLARY EQUIPMENT manufactured by BAKER MANUFACTURING CO., GARWOOD INDUSTRIES INC.  
(INCORPORATING BUCKEYE TRACTION DITCHER DIVISION) and PACIFIC CAR & FOUNDRY CO. (CARCO).

Stockists of spares for above. Complete works and field service overhauls at short notice.

MACKAY INDUSTRIAL EQUIPMENT LIMITED. WORKS: FAGGS ROAD, FELTHAM, MIDDLESEX. Telephone: FELTHAM 3435-9

# Look to the Walls

**M**ANY ALERT MINDS are planning the homes of the future—brighter, healthier houses and flats, embodying the most modern labour-saving ideas. Do not forget, however, that it is the material of which the *walls* are constructed which largely determines the solidity, durability and appearance of a building.

No other building material can rival the many advantages of good, honest Brick. Strong, durable, resistant to fire, weather and smoke-laden atmospheres, Brick is also an excellent thermal insulator, and suppresses noise and vibration.

Brick is available in a wide range of textures and colours, requires no painting and reduces maintenance costs to a minimum.

The capacity of the Industry in normal times is 8,000,000,000 Bricks a year. Given an adequate fuel supply and facilities for plant replacement, the brickworks of the country should be able to sustain a building programme of over half a million permanent houses per annum.

## BRICK

*The Proved Building Material*

THE NATIONAL FEDERATION OF CLAY INDUSTRIES, DRAYTON HOUSE, LONDON, W.C.1



*...The Walpamur range  
of Quality Paints includes*

**WALPAMUR**

*Water Paint*

**MUROMATTE**

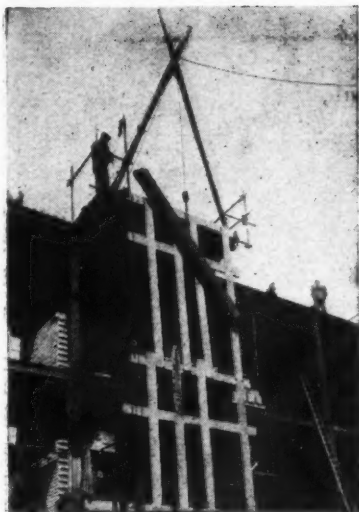
*Flat Oil Paint*

**DURADIO**

*Enamel Paint*

THE WALPAMUR CO. LTD. DARWEN AND LONDON



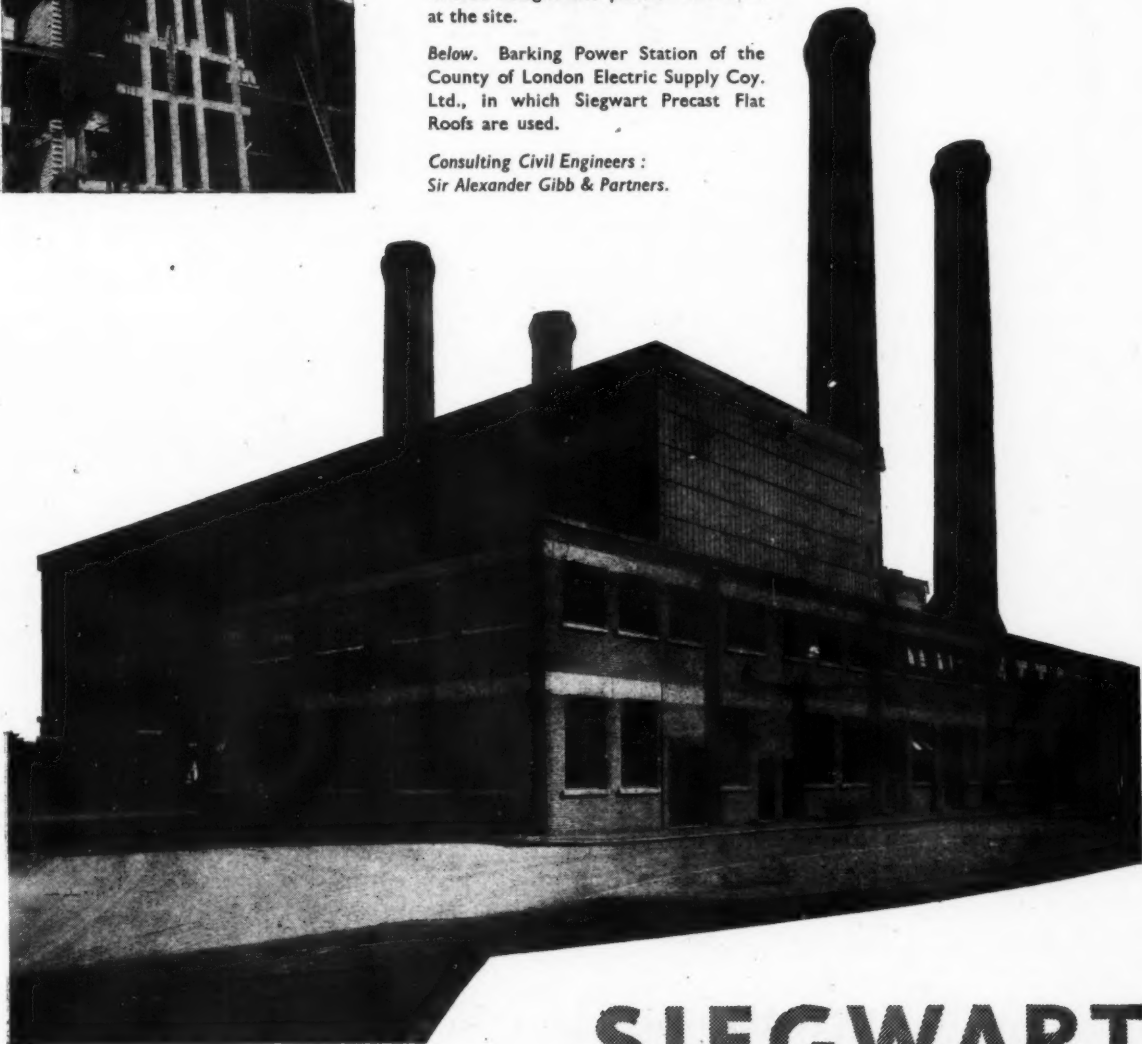


★ **no obstruction on the site—  
assists other trades**

★ Left. Showing how Siegwart beams are hoisted straight into position on arrival at the site.

Below. Barking Power Station of the County of London Electric Supply Coy. Ltd., in which Siegwart Precast Flat Roofs are used.

Consulting Civil Engineers :  
Sir Alexander Gibb & Partners.



# **SIEGWART**

## **PRECAST FLOORS**

**SIEGWART FLOOR CO. LTD.**

SL/2/47



GABLE HOUSE, 40, HIGH ST., RICKMANSWORTH, HERTS.  
Telephone: RICKmansworth 2268. Branch Offices at Birmingham, Manchester & Glasgow  
Works at Croxley Green, Enderby near Leicester, and Paisley

# crisis....

but the coal-miner has an ally —

*the architect*

to whom we offer this independent advice

*in the fight to save fuel by insulation*

In a fuel crisis the architect is the miner's ally—coal saved by insulating a building is as good as extra coal dug. But how much coal *can* be saved? **Q**Our technicians are qualified to work out an analysis showing the possible saving of fuel—and money—in each project. Having convinced both you and your clients of the saving, they will plan the whole scheme and submit detail drawings for your approval. **Q**Many types of insulating material are fixed by means of the AnD Wedge method, and we will advise impartially as to which will be the most economical, and efficient, in the particular instance. Finally, we, or our agents, will undertake the complete installation should you so desire. **Q**Next winter there may be a fuel crisis again—unless heating is rigorously conserved. We know you want to help—will you allow us the privilege of co-operating?

**A N D E R S O N**

CONSTRUCTION COMPANY LIMITED

Liverpool House, 15 Eldon Street, London, E.C.2. Telephone: LONdon Wall 1527



*Structural insulation specialists*







# Ventilation



by Beacon Windows

**BEACON**  
WINDOWS

JOHN THOMPSON BEACON WINDOWS LIMITED

HEWENS ROAD SCHOOL, HAYES, MIDD.  
ARCHITECT: W. T. CURTIS, F.R.I.B.A.  
COUNTY ARCHITECT FOR MIDDLESEX COUNTY COUNCIL

BEACON WORKS · WOLVERHAMPTON · Telephone: Bilston 41944/7 (4 lines) · Telegrams: Windows, Wolverhampton  
London Office: IMPERIAL HOUSE, KINGSWAY, W.C.2. Tel: Temple Bar 3216 • Manchester Office: DEANS GATE HOUSE, 274 DEANS GATE Tel: Blackfriars 4721  
Glasgow Office: 79 WEST REGENT ST. C.2. Tel: Douglas 3983 • Birmingham Office: EXCHANGE BUILDINGS, STEPHENSON PLACE. Tel: Midland 1072



## SPECIALISTS IN ENGINEERING EQUIPMENT FOR BUILDINGS

*Heating  
Air Conditioning  
Industrial Process Services  
Dust and Fume Extraction Installations  
Cold Water Supply. Plumbing and Sanitation  
High-Pressure Hot Water and District Heating Installations*



*Ventilating  
Hot Water Supply  
Electrical Installations  
Invisible Panel Warming Installations  
Steam and Electrical Generating Plant  
Oil Firing and Mechanical Stoker Equipment*

## G. N. HADEN & SONS LTD.

*Established 1816*

HEAD OFFICE: 19-29 WOBURN PLACE, LONDON, W.C.1. Terminus 2877

### MAIN BRANCHES

MANCHESTER • GLASGOW • BIRMINGHAM  
BRISTOL • LINCOLN • BOURNEMOUTH  
CANTERBURY • EASTBOURNE • TORQUAY

### SUB-BRANCHES

LIVERPOOL • NEWCASTLE-ON-TYNE • YORK  
BELFAST • ABERDEEN • NOTTINGHAM  
NORWICH • BRIGHTON • BRIDGWATER

HADENS ENGINEERING COMPANY LTD., 199 PEARSE STREET, DUBLIN, C.5. Dublin 43987



## MODERN KITCHEN

Modern kitchen or restaurant, garage or stadium, showroom or schoolroom: there is a Duresco product for each particular job.

Tropical heat or arctic cold, sea-air or factory smoke: Duresco products can stand up to every climate and condition.

Each Duresco product is available in a wide colour range to which there are some interesting new additions.

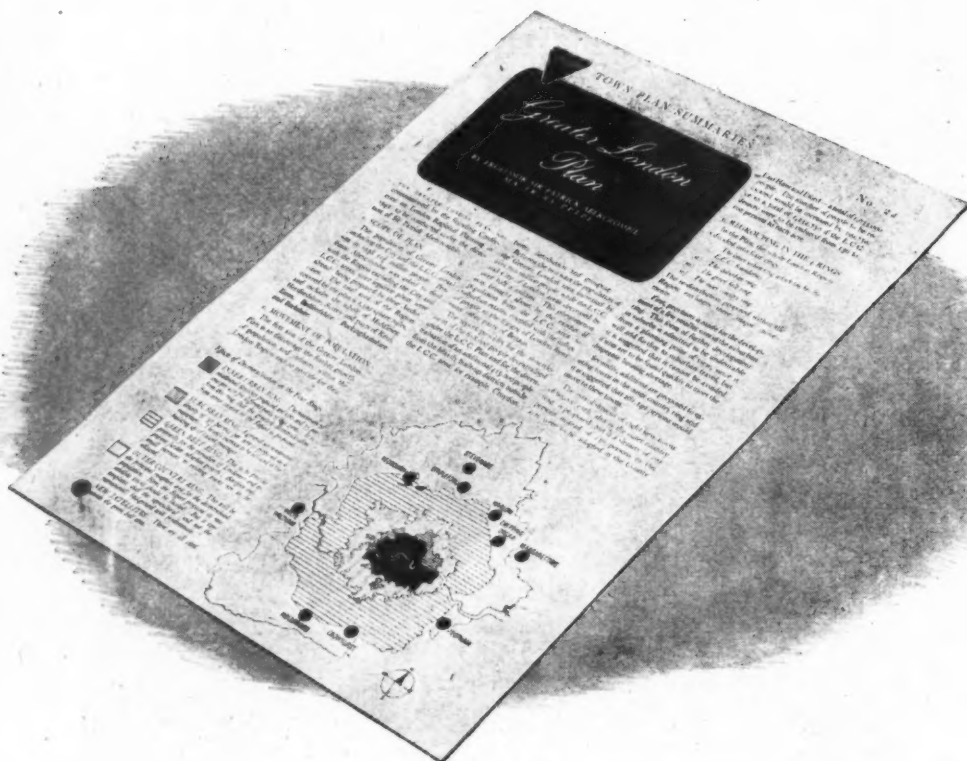
Whether the specification calls for water paints, oil paints or enamels, you can rely on Duresco products to give lasting results.

# DURESKO

products

Duresco, *King of Water Paints*; Silcolac Hard-Gloss Paint; Silkardo Washable Distemper; Duresco Varnishes, etc.  
Duresco Products Ltd., Charlton, London. S.E.7

# GREATER LONDON PLAN



## *Ascot Town Plan Summary Number 2a*

This is one of the series of Summaries of the more important Town and Regional Planning Schemes which are being produced by a team of planning experts for the benefit of those who have not the time to study the full reports. The Summaries so far published are listed below. Applications for copies of these and subsequent Summaries, should be made on professional or official notepaper.



### LIST OF PLANS

GREATER LONDON PLAN  
COUNTY OF LONDON PLAN  
MANCHESTER REGION PLAN  
CITY OF MANCHESTER PLAN  
CITY OF NORWICH PLAN

No. 1  
No. 2 (a)  
No. 2 (b)  
No. 3 (a)  
No. 3 (b)  
No. 4

### EXETER PHOENIX

A PLAN FOR PLYMOUTH  
PLAN — NEWCASTLE-UPON-TYNE  
A PLAN FOR MIDDLESBOROUGH  
MERSEYSIDE PLAN: 1944  
GLOUCESTERSHIRE

No. 5  
No. 6  
No. 7  
No. 8  
No. 10  
No. 11

ASCOT GAS WATER HEATERS LIMITED, 43, PARK STREET, LONDON, W.1. Phone: GROsvener 4491.





*Developments at*

**LEADERFLUSH**  
LTD.

*to meet abnormal flush door demands*

*New Warehouse  
Accommodation for  
5,000,000 ft.-super  
of Plywood and  
100,000 finished  
flush doors*

To equip a minimum of 5,000,000 homes and tens of thousands of industrial and public buildings with doors is a supply operation of the first order. "Operation Boardroom" is in full swing at Leaderflush. An extensive new warehouse just completed provides perfect storage conditions for huge quantities of plywood and finished doors. In addition to these 'material' facilities Leaderflush are ready, as always, to give technical advice and the benefits of their experience to Architects and Contractors who may be faced with unusual problems. In such cases it pays to "go to the top" . . . look to Leaderflush for leadership in flush doors.

The Leaderflush Trade Mark—  
reproduced enlarged on the  
right is inlaid in the hinge edge  
of every door, in three colours.



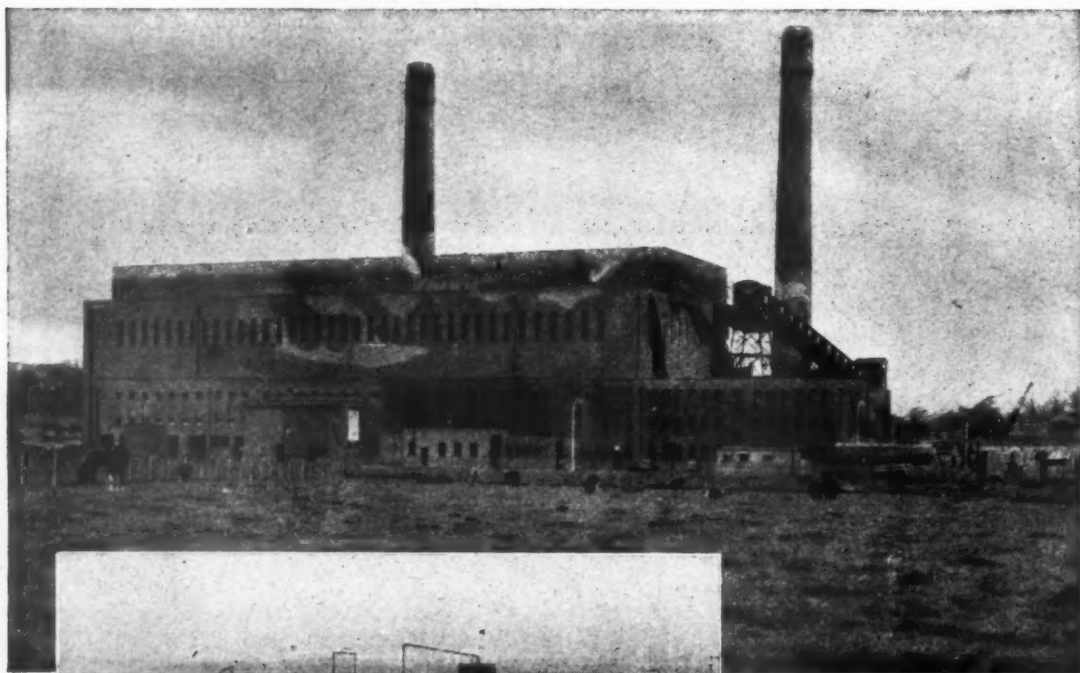
The Ministry of Health have now restricted the amount of timber per house to 1.6 standards. The use of Flush Doors, which require only  $\frac{1}{4}$  cube of timber against  $1\frac{1}{4}$  cubes for any other door, leaves a much larger share of the ration for use in other parts of the house.

*Britain's Best Flush Doors*

HEAD OFFICE: TROWELL, NOTTINGHAM

Cogent

# PRESSED STEEL TANKS



*The Earley Power Station  
Reading*

**BRAITHWAITE & CO**  
**ENGINEERS LTD**



*London Office:*

**KINGS HOUSE HAYMARKET LONDON S.W.1**

*Telephone: WHItchall 3993*

## COMPANY MEETING REPORT.

**CARTER & CO.****A YEAR OF PROGRESS****MR. CYRIL CARTER'S SPEECH**

The thirty-ninth ordinary general meeting of Carter and Co., Ltd., was held on 31st July at Winchester House, Old Broad Street, London, E.C.

MR. CYRIL CARTER (the Chairman) in the course of his speech, said: It has been for us a year of progress in many directions. All your companies have been working for the full twelve months and all of them have made profits.

**THE FUEL WORRY.**

We are worried about fuel, as every manufacturing concern must be. So far, we have not actually been held up for lack of it and we ought to be in a strong position when an accession of labour enables us to increase our demands on the fuel supply, in that the things we make are either concerned with the very essential industry of building or are being exported.

The export trade of your company before the war was not large; we had developed and become very prominent in certain rather specialised activities in the building trade in this country. When the war put an end to those activities for a time, a substantial export trade was developed by those of your companies engaged in the making of tiles, and it is our hope to maintain that, and in fact increase it. Only one thing prevents us increasing it still more now and that is the shortage of labour to which I have referred in my printed statement.

That same shortage has made it necessary for us to examine very carefully every possible means of using the labour we have in the best way. Ours is not an industry which lends itself to mechanisation to anything like the extent some others do, and of course we are not in the position of an industry which, fully occupied during the war, finds itself perhaps even better equipped for production than it was before the war. I want you to know that we are giving a lot of attention to these things, with a view to equipping our factories for maximum output, but it is at times slow work as you will appreciate, because deliveries of necessary machinery and equipment are inevitably slow. We still have a lot to do and it will be necessary to spend a good deal on rebuilding and re-equipment. Part of this is largely taking on from where we left off before the war.

Reference was made last year, as I have already pointed out, to the need for considerable expenditure at our Stoke-on-Trent factory. We have made a start there, but have met with one or two set-backs which have held us up, in spite of which the factory has got going again and is increasing its output.

**POOLE POTTERY WORKS.**

I have referred already to the Poole Pottery works at Poole. This business suffered lamentably during the war through the loss of skilled craftsmen and women and it has been a slow job training a new generation to take their place. Progress has been good and the distinguished wares of fine quality, for which the company had made a name for itself, are now being produced again for export. In fact, of the manufacturing units in the group, an ever-increasing contribution is now being made to the export trade (and we realise the need to do everything we can to extend that).

It will interest you to know that, although in common with other tile makers, we have very much restricted the range of our products, with a view to getting the greatest possible output, demands for the special work for which we are so well known are gradually increasing and we are equipping ourselves by training the necessary craftsmen to carry out such work when it can be undertaken and we have had sympathetic help from the Government Departments concerned in this matter.

You will note the substantial contribution the subsidiary companies have made to the profits of the year. The turnover has increased as labour has been available and that must account for the improved position presented to you, but costs of fuel and raw materials have risen against us to detract from what would have been, otherwise, still better results. Labour, too, has taken a larger share in, for example, the fact that our people now get twelve days' paid holiday a year, including statutory holidays.

We are doing everything we can, too, to get more labour. We have always realised the importance of what is now known as personnel management and were, as a company, early in the field in recognising the need for establishing the closest possible relationship and understanding with those who serve us. The disruption of the war disturbed much of that activity which is now being vigorously re-established.

**BUSINESSMEN'S RESPONSIBILITIES.**

We feel very strongly the social responsibility that is laid on any body of men running a business to-day. There is the responsibility for its operating efficiency, especially to the shareholders; there is a social responsibility to the workers employed in the business and there is the responsibility for making the best possible contribution to the needs and welfare of the community and nation. As to the first of these, we are doing much to repair the disturbances caused by the war and to take the utmost advantage of the necessity for certain internal re-organisation. As to the second, we are very conscious of the change in the basis of relationship between management and workers which has taken place. We want to make our people feel that it is a good thing to work for us and that, in doing so, they are serving the community. We think of joint consultation with labour as being of first importance and are anxious to help labour to qualify to take a greater part in matters connected with production and the running of our factories.

As to our responsibility to the public, we have the satisfaction of knowing that the things we make are the best of their kind. In design and quality our name stands very high. Everything we make is a solid contribution to building (to housing or to the rehabilitation of industry); the only exception being that of Poole Pottery, which is to an unfortunately limited extent meeting domestic needs and to a still more restricted extent, ministering to the aesthetic satisfaction of householders. I wish our general contribution could be greater, and I feel that it could be if some of the valuable labour and raw material used in the making of the trashy stuff made and sold in this country to-day could be diverted to something more useful.

The report and accounts were adopted.





HOT AIR WHERE YOU DON'T WANT IT...

FOR HOT AIR WHERE  
YOU DO WANT IT...

**VOLEX**

REGISTERED TRADE MARK

HOT AIR SYSTEM VENTILATES  
AS IT HEATS



The ideal atmosphere in which to work or relax—an even temperature with draughtless ventilation—is assured by installing the VOLEX Warm Air Heating and Ventilating System. Summer and Winter, VOLEX provides a constant supply of fresh warm air wherever it is required. In factories and workshops, shops and offices, public buildings and the home, VOLEX is recognized as the most efficient modern system of heating and ventilation.

SOLE MAKERS: T. E. SALTER LTD., BLOOMFIELD,  
TIPTON, STAFFS. TELEPHONE: TIPTON 1657/1658

TES. I



ARCHITECTS: McInnes  
Gardner & Partners

The Decoration and  
Furnishing of the First  
Class Dining Saloon of the  
**R.M.S. MAURETANIA**

CUNARD WHITE STAR LTD

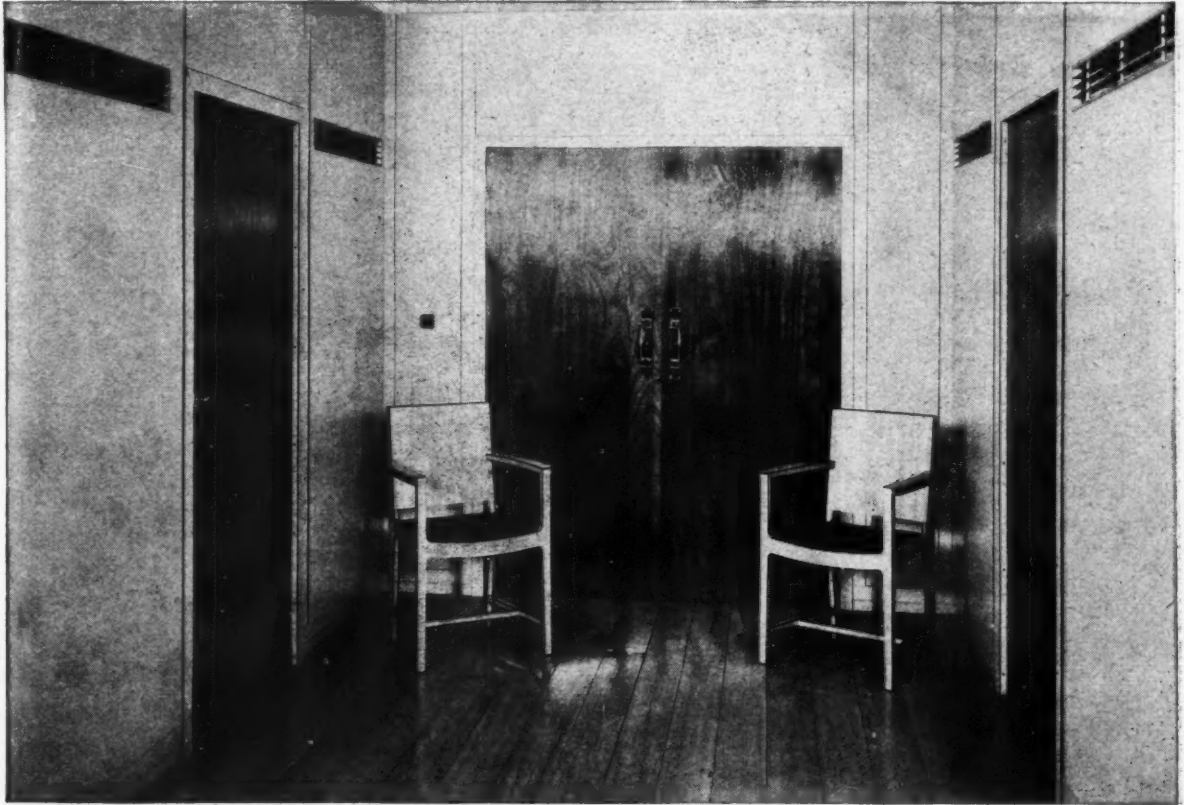
was carried out by

**WARING  
& GILLOW**

Ltd. London, Lancaster & Brussels

BUILT BY Cammell  
Laird & Co. Ltd. Birkenhead





## *Floor to ceiling in* "HOLOPLAST"

Architects think of their new designs today in terms of "Holoplast". Built on sound, established engineering principles, "Holoplast" gives new freedom in design. Its possibilities are seen in the above illustration which depicts a corridor in a typical industrial building. In this particular case the floor, walls, doors, ceilings and even the chairs are made from this unique laminated structural plastic.

Available in standard panels 8 ft. x 4 ft. x 1 in. overall with natural brown, cream-sprayed, or with veneered surface.

Full information about this outstanding building material is obtainable from the manufacturers or the distributors.

# HOLOPLAST LTD.

NEW HYTHE, NEAR MAIDSTONE, KENT

LONDON OFFICE : 68, Victoria Street, S.W.1.  
Telephone : Victoria 9981.

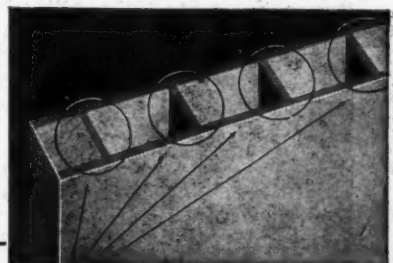
### AUTHORISED DISTRIBUTORS FOR THE UNITED KINGDOM:

L. Keizer & Co. Ltd.  
Metropolitan Plywood Company.  
Venesta Ltd.

Denny, Mott & Dickson Ltd.  
Gabriel, Wade & English Ltd.  
Gliksten Plastics

"Holoplast" is particularly well suited to modern building needs for the following outstanding reasons :

1. Its speedy erection and easy manipulation save many valuable man-hours.
2. It is vermin-proof and hygienic.
3. It is resistant to oils and dilute acids.
4. It can be cut, sawn, drilled, routed, planed, etc., by normal joinery technique.
5. It has a high strength/weight ratio.
6. It does not support combustion or spread flame.



### GIRDERS FOR STRENGTH

"Holoplast" panels are built on established engineering practice, embodying the well-known girder principle.



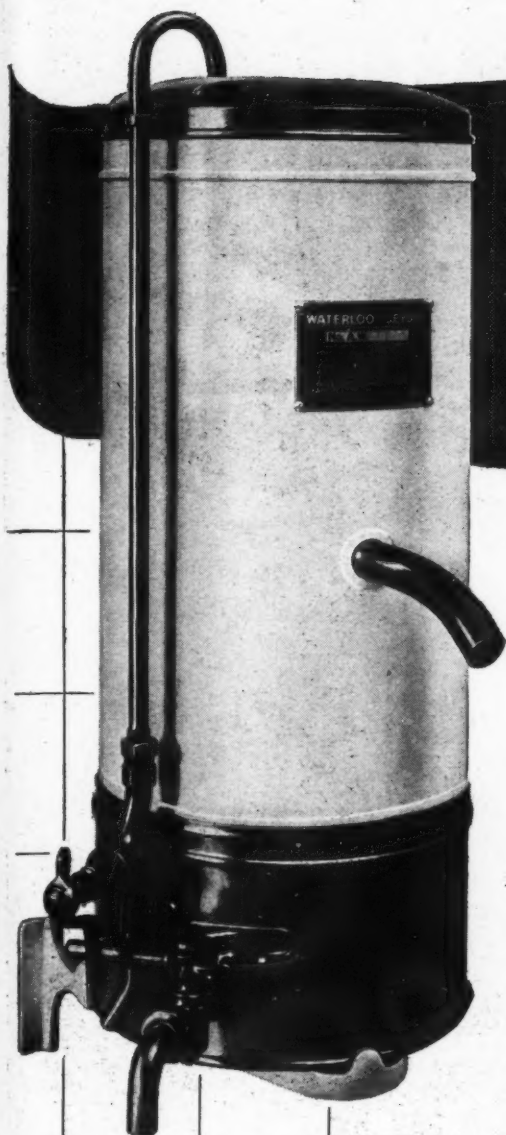
# *Bath*

**CABINET MAKERS  
AND ARTCRAFT LTD**

**CONTRACTORS FOR MODERN INTERIORS**  
FURNISHINGS FOR SHIPS, HOTELS, PUBLIC BUILDINGS, OFFICES

LOWER BRISTOL ROAD, BATH    LONDON SHOWROOMS: 1 GRAFTON STREET, W.1

# The *New* **WATERLOO** SINGLE-POINT WATER HEATER



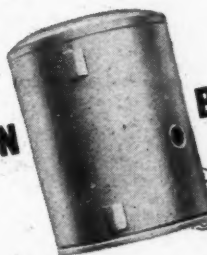
LOOK HOW



QUICKLY



THE INTERIOR CAN



BE DETACHED

FOR EASY MAINTENANCE



*Full particulars on application*

**WM. EDGAR & SON LTD.**

**BLENHEIM WORKS**  
HAMMERSMITH LONDON W.6  
TELEPHONE: RIVERSIDE 3486

# WOOD CASEMENT WINDOWS



*Boulton & Paul Limited*

NORWICH

LONDON OFFICE: 14 STANHOPE GATE, W.1.

Telephone GROSVENOR 4521



In common with every other periodical this JOURNAL is rationed to a small part of its pre-war needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the JOURNAL. Newsagents now cannot supply the JOURNAL except to a "firm order." Subscription rates: by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 15s. each; carriage 1s. extra. Goods advertised in the JOURNAL and made of raw material now in short supply, are not necessarily available for export.



## DIARY FOR AUGUST SEPTEMBER AND OCTOBER

Titles of exhibitions, lectures and papers are printed in *italics*. In the case of papers and lectures the authors' names come first. Sponsors are represented by the initials as given in the glossary of abbreviations on the front cover.

**BBC.** John Summerson and H. S. Goodhart-Rendel. *Wren's City Churches*. Discussion will centre particularly on St. Stephen's, Walbrook. This is the second of a number of programmes devoted to individual works of art, in which the two speakers will be an art historian and a practising artist. 10.15 to 10.45 p.m. AUG. 16

**BRISTOL.** *Building Science Exhibition*. At George Wills Museum. (Sponsor, DSIR.) OCT. 20-NOV. 1

**CAMBRIDGE.** *Timber Technology Instructor's Course*. At Cambridge University, under the direction of E. H. B. Boulton, Technical Director and Education Secretary of TDA. Among the lectures to be given are: Dr. W. P. K. Findlay, *Fungi*; R. Goat, *Mensuration*; P. Harris, *Sawmilling*; E. Pinto, *Adhesives*; P. O. Reece, *Mechanical Properties of Timber*; Mr. Stevens, *New Aspects of Seasoning*. (Sponsor, TDA.) AUG. 15-23

*Building Science Exhibition*. (Sponsor, DSIR.) AUG. 18-30

**CARDIFF.** *Building Science Exhibition*. (Sponsor, DSIR.) SEPT. 29-OCT. 11

**EDINBURGH.** *Enterprise Scotland 1947*. An exhibition of industrial design. At the Royal Scottish Museum, Edinburgh. (Sponsors, Scottish Committee of the CID.) AUG. 25-SEPT. 30

**LONDON.** *Exhibition of Colombo Cathedral Competition Designs*. The winning and other designs entered in the competition for the proposed Cathedral of the Holy Cross, Colombo, Ceylon. At 6-8, John Adam Street, Adelphi, W.C.2. (Sponsor, RSA.) Monday to Friday from 9.30 a.m. to 5.30 p.m., Saturday from 9.30 a.m. to 12.30 p.m. AUG. 25-30

*Settings for Pictures*. A display of pictures in settings of antique and modern furnishing. At Heal's, 196, Tottenham Court Road, W.1. UNTIL SEPT. 1

*Industrial Wales*. An All-Wales and Monmouthshire Exhibition. At Olympia. The main purpose of the exhibition is to make more widely known the importance of Wales as an existing and potential industrial

centre, and to demonstrate the wide variety of products now manufactured there. (Sponsor, Industrial Association of Wales and Monmouthshire.) AUG. 28-SEPT. 13

*Exhibition of Architectural Lettering*. At Friends House, Euston Road, N.W.1. 3-6 p.m. *English Monumental Sculpture*, a talk by Frederick Burgess, A.R.C.A. Percy Delf Smith, R.D.I., the President, in the chair. (Sponsor, The Guild of Lettering Craftsmen.) 5 p.m. SEPT. 27

*Course of Lectures. School Planning and Construction*. At the RIBA, 66, Portland Place, W.1. The course will be open to members of the RIBA and of allied Societies and, in addition, the Clerks to Local Authorities will be invited to nominate professional representatives to attend. (Sponsor, RIBA.) OCT. 23-25

*Twenty-second Building Exhibition, 1947*. at Olympia. (Sponsors, H. Greville Montgomery, A.R.I.B.A. (HON.) and Hugh R. C. Montgomery, M.C.) Nov. 19-DEC. 4

**MAIDSTONE.** J. C. Browne. *Paint*. At the Maidstone Technical Institute. (Sponsor, South-Eastern Society of Architects, Tunbridge Wells Chapter, Maidstone Group.) 7 p.m. AUG. 20

E. H. B. Boulton. *Timber. Its Properties, Defects, Preservation and Uses*. At the Maidstone Technical Institute. (Sponsor, South-Eastern Society of Architects, Tunbridge Wells Chapter, Maidstone Group.) 7 p.m. SEPT. 17

**SOUTHAMPTON.** *Building Science Exhibition*. At the Art Gallery, Civic Centre. (Sponsor, DSIR.) SEPT. 6-20

**THE HAGUE.** *Fuel Economy Conference*. Particulars from the British National Committee, World Power Conference, 201-2, Grand Buildings, Trafalgar Square, London, W.C.2. SEPT. 2-9

**WESTON-SUPER-MARE.** *Exhibition of Plans and Models for the Redevelopment of the Borough by Clough Williams-Ellis and Lionel Brett*. Official opening by Lewis Silkin, M.P., August 13, 3 p.m. AUG. 13-31

## NEWS

THURSDAY, August 14, 1947  
No. 2740 Vol. 106

News .. .. .	135
Jobs in the Making: Village Centre .. .. .	136
This Week's Leading Article ..	137
Astragal's Notes and Topics ..	138
Letters from Readers .. ..	139
Architecture for Designers ..	140
Village Centre in the Cotswolds. By Christopher Nicholson.	141
Societies and Institutions ..	144
Bessingby Housing Estate Competition. First and Second Premiated Designs .. ..	145
Technical Section:	
Information Centre .. ..	150

*Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis. The JOURNAL's starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.*

★ means spare a second for this, it will probably be worth it.

★★ means important news, for reasons which may or may not be obvious.

Any feature marked with more than two stars is very big building news indeed.

*His Majesty the King has made an Order in Council giving formal approval to the CHANGE IN TITLE and to alterations in the professional designations of chartered surveyors.*

These alterations follow the honour conferred in May, 1946, upon the then "Chartered Surveyors' Institution" by His Majesty the King, in commanding that it should thenceforward be known as "The Royal Institution of Chartered Surveyors." The Order in Council provides that a Fellow of the Institution may use after his name the initials "F.R.I.C.S.," and that a Professional Associate may use the initials "A.R.I.C.S." These replace the familiar letters "F.S.I." and "P.A.S.I." respectively, which have been in continuous use since 1881. Each professional member of the Institution may in addition, subject to the provisions of the Bye-Laws, style himself "Chartered Surveyor." The profession of surveyor is defined in the Institution's Royal Charters as the art of determining the value of all descriptions of landed, mineral and house property, and of the various interest therein; the practice of managing and developing estates; the science of measuring and delineating the physical features of the earth, and of measuring and estimating artificers' work (i.e., quantity surveying).

**HOPE'S**  
**HOT-DIP GALVANIZED**  
**WINDOWS**  
**ARE BEING EXPORTED**  
**TO ALL PARTS OF THE WORLD**  
**WHERE EXTREME TROPICAL**  
**HUMIDITY PREVAILS**



**AVOID CORROSION**

*The mean annual rainfall in this country is 40 inches*

SEND FOR CATALOGUE No. 230  
HENRY HOPE & SONS LTD., Smethwick, Birmingham  
London: 17 Berners Street, W.1

## From AN ARCHITECT'S Commonplace Book

**PLANNING FOR HEALTH.** [From Patrick Geddes in India, by Lewis Mumford.] Diseases are many, and each involves its special inquiries. But while diseases are many, Health is one—the unity of sound mind in sound body. Are we to go on as at present, providing as many remedies as there are diseases, and now drugging, now inoculating each other against them all? May there not be some better way? Schools of Medicine are as yet still practically destitute of a department for co-ordinating their specialisations; a department concerned with the study of Life in Health. From such a study we should rapidly discover a better application of the Laws of Health in our cities. Health is no Utopia. As biologists know, and as the finer civilisations have at various times magnificently shown us, Health results from living “the good life,” that is a life of normal and full reaction within an adequate environment. Such an adaptation, which has become normal to flower and tree, insect, bird and beast, has grown increasingly harder for man to attain since his social grouping has become larger and more complex (from rural village to crowded industrial city). Yet, even in our most congested cities, examples are never wholly wanting of the highest human perfection of health, vigour and beauty, at every phase of life from infancy to age. Let medicine and public health study more closely these fine types of health and explain them rationally, instead of merely struggling with the various lapses from health which are at present so much more in evidence.

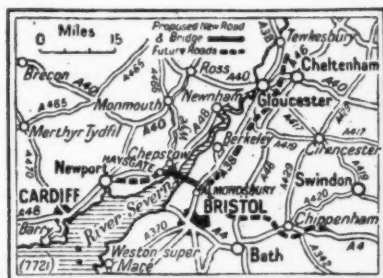
*As announced in The Times Mr. A. G. Sheppard Fidler of Twickenham, Middlesex, has been appointed CHIEF ARCHITECT to the NEW TOWN of CRAWLEY.*

Aged 38, Mr. Fidler was educated at Holywell Grammar School and the School of Architecture, University of Liverpool, where he was Rome Scholar in Architecture, 1933. He is an M.A.(LIVPL.), B.Arch.(LIVPL.), A.R.I.B.A., A.M.T.P.I., DIP.C.D. Among his other awards at Liverpool were the Victory Medal and Scholarship of the RIBA, 1933, University Studentship (Teaching Fellowship), 1932, Open Studentship in Architecture, 1927, Holland Hannen & Cubitt's Prize for working drawings, 1929 and 1931. In 1931 he was assistant architect in the office of Zantzinger, Borie and Medary, Architects, Philadelphia, U.S.A.; in 1935 assistant architect in the office of G. Grey Wornum, London, and assistant architect in the office of Herbert J. Rowse, Liverpool, from 1935 to 1937. From 1937 to 1938 he was architect to the Land Settlement Association, Ltd., London, and from 1938, except for war service, has been architect and technical adviser to Barclays Bank, Ltd. From 1940 to 1946 he was Senior Technical Intelligence Officer in the Research and Experiments Department of the Ministry of Home Security.

*The Minister of Transport, Mr. Alfred Barnes, has authorized the CONSTRUCTION OF THE SEVERN BRIDGE, which will be the largest suspension bridge in Europe and the third largest in the world.*

The cost of the whole of the work will be about £9,000,000. Besides the centre span of 3,300 ft., the Severn bridge will have two side spans, each of about 1,000 ft. The vertical clearance for shipping will be 110 ft. above high water near the tower and about 120 ft. in the centre. The concrete anchorages to take the pull of the main cables will each be about 250 ft. long by about 130 ft. wide. The concrete piers will be about 200 ft. long by 60 ft. wide, and the steel towers, which will rest on these piers and support the main cables, will rise to a height of 480 ft. above

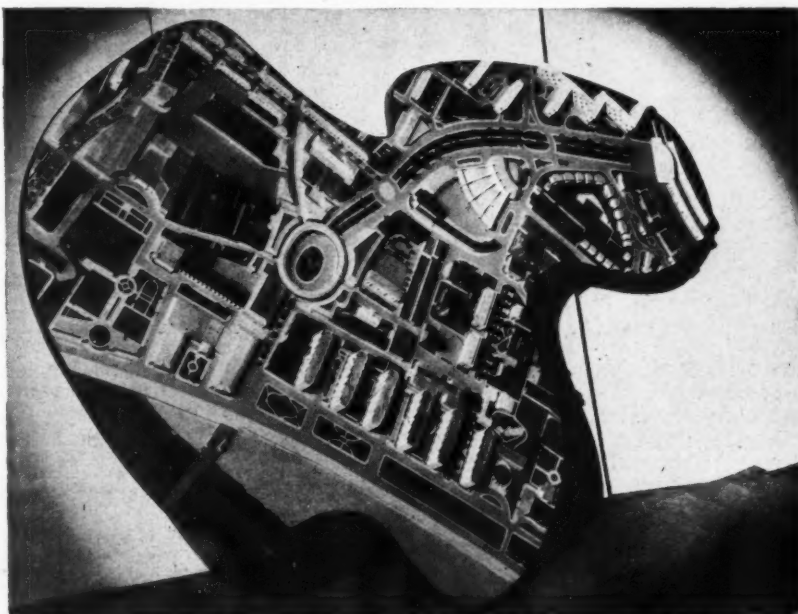
high water. The bridge will have two carriageways each 24 ft. wide, two cycle tracks, each 9 ft. wide, and two footpaths, each 6 ft. wide.



The Times map showing proposed new road and Bridge together with future roads.

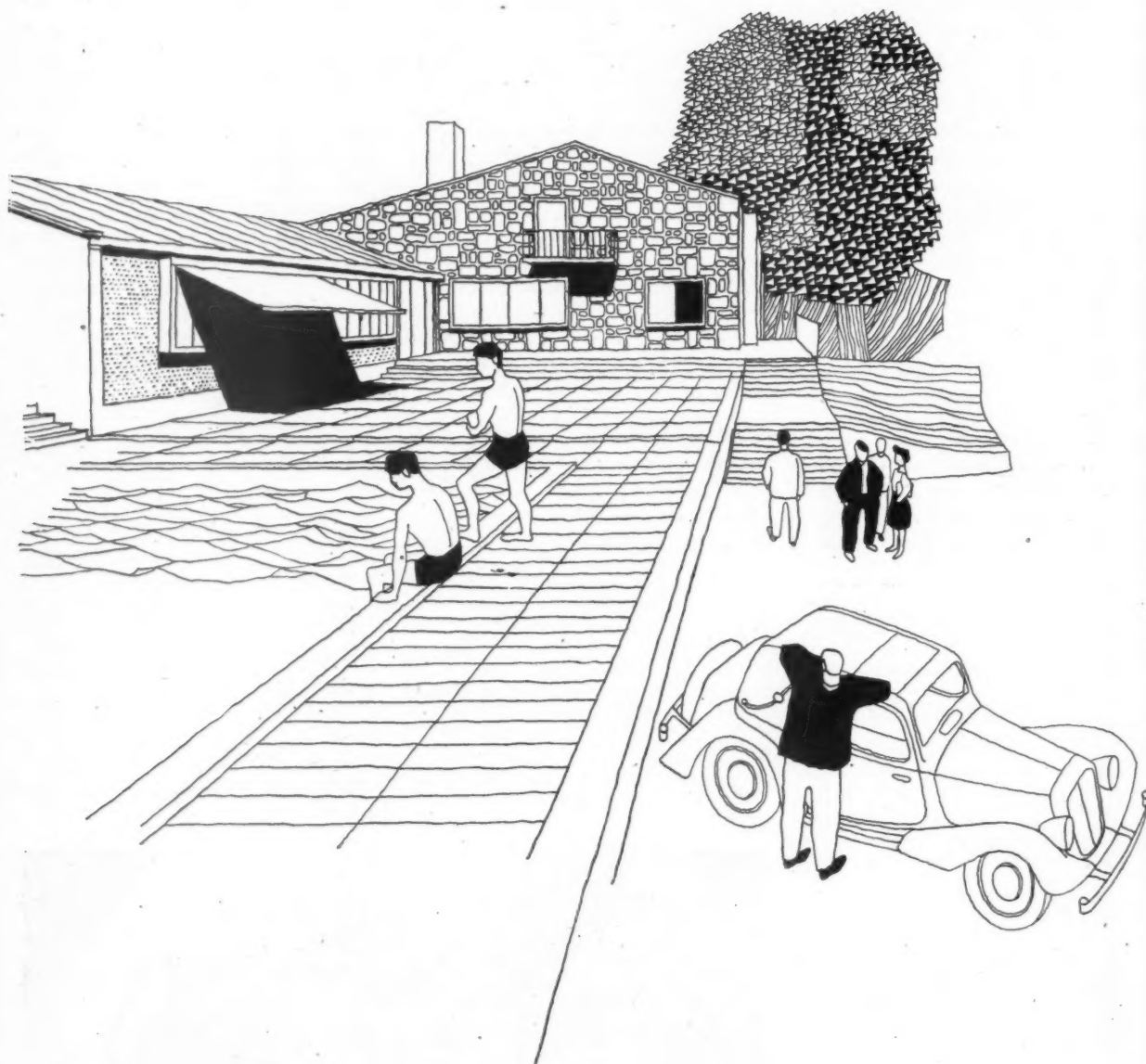
### *In the United Kingdom 66 Competitors took part in the SOANE MEDALLION EN LOGE COMPETITION.*

The following competitors have been selected to proceed with the final drawings for the Competition:—Mr. David A. Breese (Liverpool School of Architecture); Miss Pamela F. Burcher (School of Architecture, The Polytechnic, Regent Street, London); Mr. Robert T. Clough (Leeds School of Architecture); Miss Esme M. S. Cousin (Glasgow School of Architecture); Mr. David M. Goodacre (Nottingham School of Architecture); Mr. John P. J. Jackson (School of Architecture, The Polytechnic, Regent Street, London); Mr. William F. Mullins (Architectural Association School of Architecture); Mr. John E. Murray (Glasgow School of Architecture); Mr. Donald A. Pate (Liverpool School of Architecture); Mr. Ian W. Paterson (Aberdeen School of Architecture); Mr. Charles W. Quysner (School of Architecture, University of Manchester); Mr. Fred Rogerson (Liverpool School of Architecture); Mr. William Smith (School of Architecture, King's College, Newcastle-upon-Tyne).



**WESTON SUPER MARE**, apart from Blackpool the largest resort on the west coast, is at present showing its postwar development plans in an Exhibition which was opened yesterday by the Minister of Town and Country Planning. The town suffered considerable war damage at the centre, and the plan envisages the complete replanning of the central area, with a series of tall low-priced hotels at right angles to the sea. The railway station is to be moved and a new road traffic grid created. The plan is phased for 3 ten-year periods and assumes an eventual population of 50,000. It is the work of Clough Williams-Ellis and Lionel Brett. The photograph shows a model of the town centre as replanned.





## Jobs in the making: Village Centre

Village centre, designed by Christopher Nicholson, for the three Cotswold villages of Coln St. Aldwyn, Hatherop and Quenington. It consists of two main sections, the hall wing, suitable for badminton and table tennis; and the club wing, with lounge, common room and billiards room. These two wings can either be used together or

independently. Along one side of the site runs the River Coln. The playing fields consist of two hard tennis courts, a bowling green, a children's playground and areas for cricket and soccer, and there is a swimming bath sheltered by a steep grass bank. Plans, photographs and full details of the project appear on pages 141 to 143.

*Alton Rural Council has agreed to withdraw its objection to the continued presence of the HEADLEY DOWN DETENTION BARRACKS after having been informed by the War Office that they will be retained for only five more years. The council made the condition that no attempt should be made to acquire the freehold of the site. The barracks were built by the Canadians during the war on a beauty*

spot known as the Land of Nod, and are now occupied by British soldiers under detention. The council and several other bodies have pressed for their removal on the grounds of unsightliness. The War Office informed the council, through the regional controller of the Ministry of Town and Country Planning, that, after the Aldershot detention barracks had been destroyed in the riots there, Headley Down became the only camp that could be used as a substitute. It was recognized, however, that a permanent prison at Headley Down was objectionable, and it would be surrendered when a new and modern prison had been built.

★ *The Minister of Works: There is no present intention of replacing the former high iron RAILINGS ROUND THE ROYAL PARKS.*

Mr. Key, replying to a question by Sir T. Moore (Ayr Burghs, C.) in the House of Commons, said that in place of iron railings it is proposed to plant hedges, protected where necessary by low steel mesh fencing. In places where hedges cannot be planted, it may be necessary to resort to some other kind of fencing.

Mr.  
has  
ASS  
at  
Reg  
Train  
crom  
chest  
Plan  
Town

A g  
CA  
PL  
und  
in c  
Plan  
The  
week  
com  
visi  
for  
stru  
hous  
vard  
mem  
Mas  
Divi  
Bost

Mr  
F.R  
ap  
T  
HE  
City  
He  
Com  
Publ  
futu  
Cent  
tels,  
Man  
lic F  
arch  
for  
quir  
velo  
Hea  
rece  
£59  
take

Mr.  
San  
the  
Corp



*Mr. Donald A. Shears, A.M.T.P.I. has been appointed SENIOR ASSISTANT FOR PLANNING at the School of Architecture, Regent Street Polytechnic, London.*

Trained as a planner under Professor Abercrombie and Professor Cordingley of Manchester, he holds the Certificate in Town Planning, Manchester, and the diploma in Town Planning, London.

*A group of AMERICAN and CANADIAN ARCHITECTS and PLANNERS are visiting this country under the auspices of World Study Tour in co-operation with the Association for Planning and Regional Reconstruction.*

The visit to Britain is part of six to seven weeks' tour to study reconstruction and community planning in Europe. Among the visitors are Mr. Carey (preparing material for education film strips on European reconstruction), member of various United States housing associations, Assistant Dean, Harvard University, and Mr. Frank Howard, member of the State Planning Board for Massachusetts, Head of Architectural Division of the Engineering Department of Boston.

*Mr. Donald A. Goldfinch, F.R.I.B.A., M.R.San.I., has been appointed ARCHITECT TO THE PUBLIC HEALTH DEPARTMENT, City of Birmingham Corporation.*

He will be responsible to the Public Health Committee for all works required by the Public Health Department, including the future development plan for the Health Centres, Residential Nurseries, Clinics, Hostels, etc. His duties are to control the Works Manager and staff for direct works on Public Health Department properties; to control architectural staff and administrative staff for design and execution of all works required for the Health Committee; and to develop a new organization within the Public Health Department. Mr. Goldfinch is to receive a commencing salary of £900 plus £59 16s. 0d. rising to £1,000 plus bonus. He takes up his duties on September 1.



*Mr. Donald A. Goldfinch, F.R.I.B.A., M.R.San.I. who has been appointed architect to the Public Health Department, Birmingham Corporation. See news item above.*

## A BUILDING ENQUIRY? II.

**I**N our leading article last week we pointed out that a strong case could be made out for a public enquiry into the building industry and some essential topics such as incentives, materials supply and distribution, the structure and size of building firms, productivity and costs were indicated.

The point is, however, that each of these fundamental and difficult problems can, in the last analysis, only admit of an informed opinion. If the opinion of the committee is to have any value, to begin with the committee must have a sufficient number of members with no vested interests in any sectional point of view, and secondly, the members of the committee must have either plenty of time for study, or a very large and hard-working staff at its disposal. If, instead of tackling all these difficult problems as subjects for genuine research work, and for carefully sifted reports, the committee merely called for a number of witnesses, the net result would be a report summarising the lowest common opinion among inadequately briefed, and for the most part prejudiced, witnesses.

There is, then, a big job to be done, and one on which a committee might usefully sit if adequate research machinery could be made available. Exactly a similar problem has faced Working Parties set up for other industries, and with complete unanimity they have called for statistical and research machinery to make their task of any permanent value.

But why set up a new committee at all? What of the Scientific Advisory Committee of the Ministry of Works? This Committee, presided over by Professor Bernal, has on it such distinguished names as Professor Blackett and Dr. Yates; it has had the services of, among other industrialists, Sir Ewart Smith and Lord Simon of Wythenshawe. It has the services of a large staff, which has devoted two years entirely to research, under Sir Reginald Stradling. Some of its results to date are, in fact, of the highest importance. Its further reports, over the next twelve months, are likely to be even fuller of results, as the data from experimental houses become analyzed. All this valuable work is at present more or less completely concealed from the public.

Worse still, there are grave doubts whether the usefulness of the great research opportunity of to-day is appreciated by either the higher policy-makers, or by the industry itself. It is not enough for Ministers to see an occasional report; obviously, individual Ministers cannot study every detailed document. What is needed is a constant liaison between officials, at all levels, dealing with administrative policy, and the scientists and economists, with their natural bent for "operational research," which proved so valuable during the war. The industry too can ill afford to neglect co-operation with scientists, on whose time there are many other claims besides improvement in constructional techniques, and in organization of a single industry.

Not so long ago, Mr. J. F. Eden, of the Chief Scientific

Adviser's division gave a talk to the RIBA in which some of the fruitful results of these enquiries, and their very great relevance to architectural design and planning of jobs, were indicated. Papers and reports such as this should appear more frequently. Committees have been constantly meeting for two years, to investigate as scientifically as possible, just precisely those matters on which any new committee would need to form an opinion. Before a new Committee of Enquiry is set up, it would surely be as well to publish all the results so far achieved.



*The Architects' Journal*

9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1

Phone: Whitehall 0611

N O T E S

&

T O P I C S

#### ATHLETES AND AESTHETES

Sport and the arts, we are often reminded, should be complementary and not opposing interests of the human mind. Up till 200 years ago, when practise followed preaching, every English gentleman was expected to be equally master of hounds and of Latin hexameters. Since then—though even Sir Osbert Sitwell has admitted founding a golf club—we have often fallen short of theory, and in my own youth the only time art met sport was when the college boat club broke up the rooms of some aesthete or when some Ferdinand-type fielding on the boundary was compelled momentarily to forget Keats and to try for a catch.

It is encouraging, therefore, to read that the classical tradition is returning and that at the Olympic Games, to be held in London next year, there will be contests for aesthetes as well as for athletes. According to *Olympiad XIV*, the official programme, the Fine Arts

Division will be under Sir Ronald Adam and Major Longden, painting will be judged by Norman Wilkinson, literature by Sir Alan Herbert, music by Sir Arnold Bax and architecture by Sir Percy Thomas. Exhibitions of entries will be organised, and architect competitors are reminded that designs, preferably submitted as models, must be limited to buildings intended for sport. The connection between art and sport will be liberally interpreted, but painters are warned that "works representing the human body in an attitude of rest" [so writes the International Olympia Committee firmly from their offices at "Mon Repos," Lausanne] "will be excluded."

Write to 105, Victoria Street, S.W.1, if you want any more information, and while you are at it you might remind the athletic gentlemen, who seem to outnumber the scholars on the organising committee, that Olympiad, so far as I remember, means a period of time between Olympic Games and not, as their pamphlet suggests, the site or occasion of the contests themselves. That'll take the spikes out of their running shoes.

#### BALKAN BUFFER

I am reminded by Mr. Ian MacCallum's delightful photograph (reproduced on this page) of a Greek railway buffer that Grecian contests were not always confined to such light-hearted activities as throwing the discuss. Nauplia, where this photograph was taken, was, when I stayed there, a picturesque little port set in a countryside dotted with Byzantine churches which it was at that time my pleasant duty to measure up. But it has a long history of wars and invasions. Only recently it passed a few terrible days and nights when it was a key centre for the evacuation of our forces from Greece early in the war, and several hundred years ago the



*Greek Railway Buffer at Nauplia. See Astragal's note.*

island fort in the centre of the harbour was the regular scene of even more dramatic events. According to local legend, when a criminal was sentenced to death it was customary to send him with his executioner to this island and let them fight it out, the survivor becoming the executioner for the next occasion. In this admirable way the odious task of appointing an executioner from among the ordinary citizens was avoided and the criminal had the satisfaction of getting a chance of survival coupled with a government appointment.

#### WHO IS TO BE THE PLANNER?

One of the disadvantages, or possibly merely one of the results, of the paper shortage is the difficulty of finding out what a great man actually said if he said it outside Parliament.

For example, I had been told by several people that Mr. Lewis Silkin, speaking at the Town and Country Planning Summer School on July 21, plumped for an administrator as the leader of a Planning Authority's team of planners; and my informants, who were technical men, were annoyed. Having been caught before, I tried to obtain Mr. Silkin's actual words and found it very difficult; in fact, I had to wait until I saw this JOURNAL's condensed report last week.

According to the JOURNAL, Mr. Silkin did not pour quite so much petrol on an already lively bonfire as I had been told. He did, however, say that he

thought the leader of the team should be chosen primarily for administrative ability and that the rôle should not be doubled with that of Town Clerk, Borough Engineer, Surveyor or Architect. Elsewhere Mr. Silkin says that the leader must be able to hold his own administratively with the heads of other local authority departments, must be a man of wide interests and culture and may or may not be a qualified town planner. Quite often, one feels, not.

It is quite easy to agree with much of this until one tries to decide the actual planning organisation which Mr. Silkin has in mind, and the kind of men he would try to recruit. Then the difficulties begin. As I see it Mr. Silkin suggests that, say, a County Borough would sometimes or even usually appoint a Planning Administrator who would be non-technical. This man would be chairman of a team comprising the Borough Engineer, the Architect, Estate Officer, etc. But, who would do the planning? Would this be under the Engineer or Architect, or under a Town Planning Officer with a separate Department? Further, if the County Borough is a blitzed area, and reconstruction a continuing and lively local interest, then the Town Clerk must often take over the chair from the Planning Administrator or be almost overshadowed by him.

On the other hand, if the P.A. is a technical man he must do the planning himself and to some extent be *primus inter pares* among the technicians. Nothing in my view would lead more quickly to trouble than to have a technical man masquerading as an unbiased administrator.

MIN. OF AG. AND ARCH.

**CROWN AGENTS for the COLONIES.**—Applications from qualified candidates are invited for the following post:—**ARCHITECTURAL ENGINEER** (who must be an Expert in Agricultural Machinery) required by the Iraq Government Directorate-General of Agriculture for three years in the first instance. Salary 150 Iraqi dinars a month, plus high cost of living allowance of L.D.24 a month (I.D.1=£1). Provident Fund. Free passages. Candidates, not over 45 years of age, must have served a mechanical engineering apprenticeship and have had considerable experience in a factory manufacturing agricultural machinery. They must be able to inspect all types of agricultural machinery, to advise on its maintenance, and to train Iraqi fitters.—Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N-18160 on both letter and envelope.  
HERFORD DIOCESEAN NEWSPAPER  
Applications to  
ASTAGAL

From The Times July 21, 1947

#### PROFESSOR BOWEN

It is now 18 months since Mr. Ian Bowen began to write for the JOURNAL his monthly commentaries on housing and building materials, and I have no doubt that my admiration of them is shared by all the JOURNAL'S readers. I remember that when the articles began I asked about their author. I found that Mr. Bowen had read History at Oxford, was elected a Fellow of All Souls, and had then studied the economics of building at the Oxford Institute of Statistics (surely no phase of history was more weird or more complex). He then became statistical officer of MOW, and since his resignation has been working in collaboration with the National Council of Economic and Social Research—and, of course, helping architects to know their own world.

Mr. Bowen is now extending his economic grasp. He has been appointed Professor of Economics at Hull. I am bold enough to congratulate him on behalf of all his architectural public and to hope that he will still find time to continue his JOURNAL commentaries.

#### SIR CHARLES RIDES AGAIN

In a letter on this page Sir Charles Reilly couches his lance once more in the cause of architectural education. The visiting examiners from the RIBA who inspected the Kingston School appear to have recommended non-recognition on two grounds, first, it is contrary to the policy of the Board to recognize further schools in the London area and, second, the work exhibited was not acceptable. With reference to the latter point, it is interesting to learn that testimonies submitted by students of the school have invariably been accepted.

I hope that Mr. Eric Brown and his Education Committee will not allow themselves to be discouraged. There seems little doubt that the students will pass the external examination and the quality of the education, which in the early years is based on the methods outlined in Moholy-Nagy's book *From Material to Architecture*, will attract students to the school, and will in due course bring its reward of outstanding architects.

ASTRAGAL



## LETTERS

Sir Charles Reilly

George Wm. Eccles

Geo. T. Heward

Percy Waldram

### Kingston School of Architecture

SIR,—Finding myself some twenty years above the average age for Fellows, I denied myself the fun of standing once more for the recent election to the RIBA Council, and need not therefore any longer, I suppose, be worried with so-called "honourable scruples" with regard to past minutes. I can therefore now say out loud how foolish the visiting members of the Board of Architectural Education recently were, in my opinion, in not recommending recognition, even up to the Intermediate Examination, to the Kingston School of Architecture at the Kingston School of Art. It is a School of about seventy students taking courses up to five years of a rather Bauhaus kind, under a remarkable teacher, Eric Brown, and getting remarkable results if not quite on the lines of those wonderful RIBA testimonies of studies nor of the equally wonderful studies in design recommended by the Georgian Society.

I saw their recent exhibition of work a few days after the RIBA Visiting Board had paid their own casual visit, and was tremendously impressed by it. There was a definite break with Beaux Arts tradition and a return to fundamentals in the relation of design to construction, often illustrated by models, which was very refreshing and seemed to me more than comparable to the break I engineered at Liverpool forty-three years ago from the Victorian Gothic Revival stuff then being taught. As the RIBA in those days had hardly thought of education apart from examinations, Liverpool had a pretty easy and straight run to complete exemption. Now that the Institute seems to have developed a vested interest in the architectural forms of yesterday, Kingston apparently meets with difficulties I did not have to face.

Needless to say, its students, forced to take as well as their own, the Institute's examinations, so entering the profession by what I call the back door, all passed either the RIBA's Intermediate or the Final Examinations. The greater is generally found to include the less.

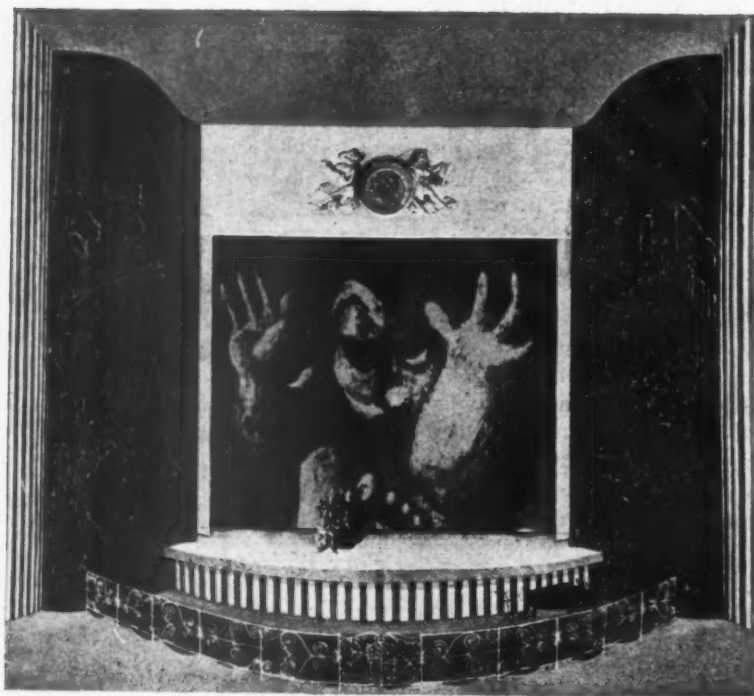
Looking in the RIBA Calendar, I find that the Liverpool School and the Architectural Association received their exemptions from the final RIBA examination on the same date in 1920.

Twickenham.

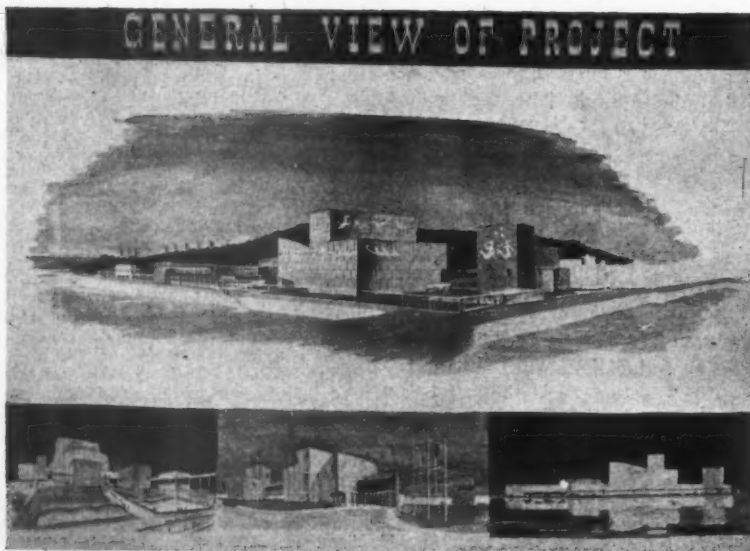
CHARLES REILLY



## ARCHITECTURE FOR DESIGNERS



Professor Basil Ward, Professor of Architecture at the Royal College of Art, believes that designers of textiles and pottery, sculptors and future teachers of arts and crafts, should not be encouraged to think they can be turned into architects on the side. He considers that such students should understand what architecture is and how they can collaborate with the architect in embellishing and adorning his buildings. The illustrations show some of the work by the students of the College, where these ideas have been put into practice. Top, the proscenium and drop curtain for a Theatre Centre at Torquay; centre, designs for textiles, and bottom, a general view of the Theatre Centre by a group of Professor Ward's students.



## Registration

SIR—I am entirely in agreement with Mr. John Smith that action should be taken against local authorities who employ a surveyor who is not a registered architect to carry out architectural work.

A law should be enforced, compelling all plans submitted to Local Authorities for approval to be done under the supervision of, and signed by, a registered architect, whether he be an A.R.I.B.A., A.I.A.A., or M.INST.R.A., or not a member of any professional body at all, as long as he is registered.

I have added to Mr. Smith's list A.I.A.A., the designatory letters of the Incorporated Association of Architects and Surveyors, who take an active interest in all members and would-be members.

Mr. Smith says: "A genuine young student architect should be given some recognition that he is an architect." He is not an architect until he has satisfied the ARCUK of his qualifications, etc., allowing him to designate himself as such.

There are many architects who are not in private practice who are employed by large firms, corporations, and multiple firms, etc., who have full control of large maintenance staffs, and work carried out by direct labour. These architects are doing an excellent job of work, and many of them are responsible for the welfare of the workmen.

Blackburn.

GEORGE WM. ECCLES

## RIBA Distinction in Town Planning.

SIR.—The continued lack of information re the above Distinction prompted me to obtain the following information from the RIBA:—

(1) The number of candidates taking the exam. since its inception over two years ago is 4.

(2) No candidate has been successful.

(3) Full members of both the RIBA and the Town Planning Institute (126 in number) have been eligible for the Distinction without the formality of submitting a thesis.

(4) The total number holding the Distinction is 82.

There are several strange features: the small number taking the exam.; the absence of a single successful candidate; the admission of 82 candidates by a method not generally known and the unsuccessful candidates being denied a second attempt if they wished, due to the changed method of awarding the Distinction. This must be the only occasion in which an exam. from inception to demise has not had a single pass.

Qualified Town Planners are in great demand and the demand is increasing. In view of these figures, where are they to come from and how are they being encouraged?

Welwyn Garden City

GEO. T. HEWARD

## A Formula for Calculating Daylight Factors

SIR.—The letter on the above subject does not mention that the formula suggested, like all formulae which treat the projections of horizontal obstructions as being themselves horizontal, is of necessity approximate.

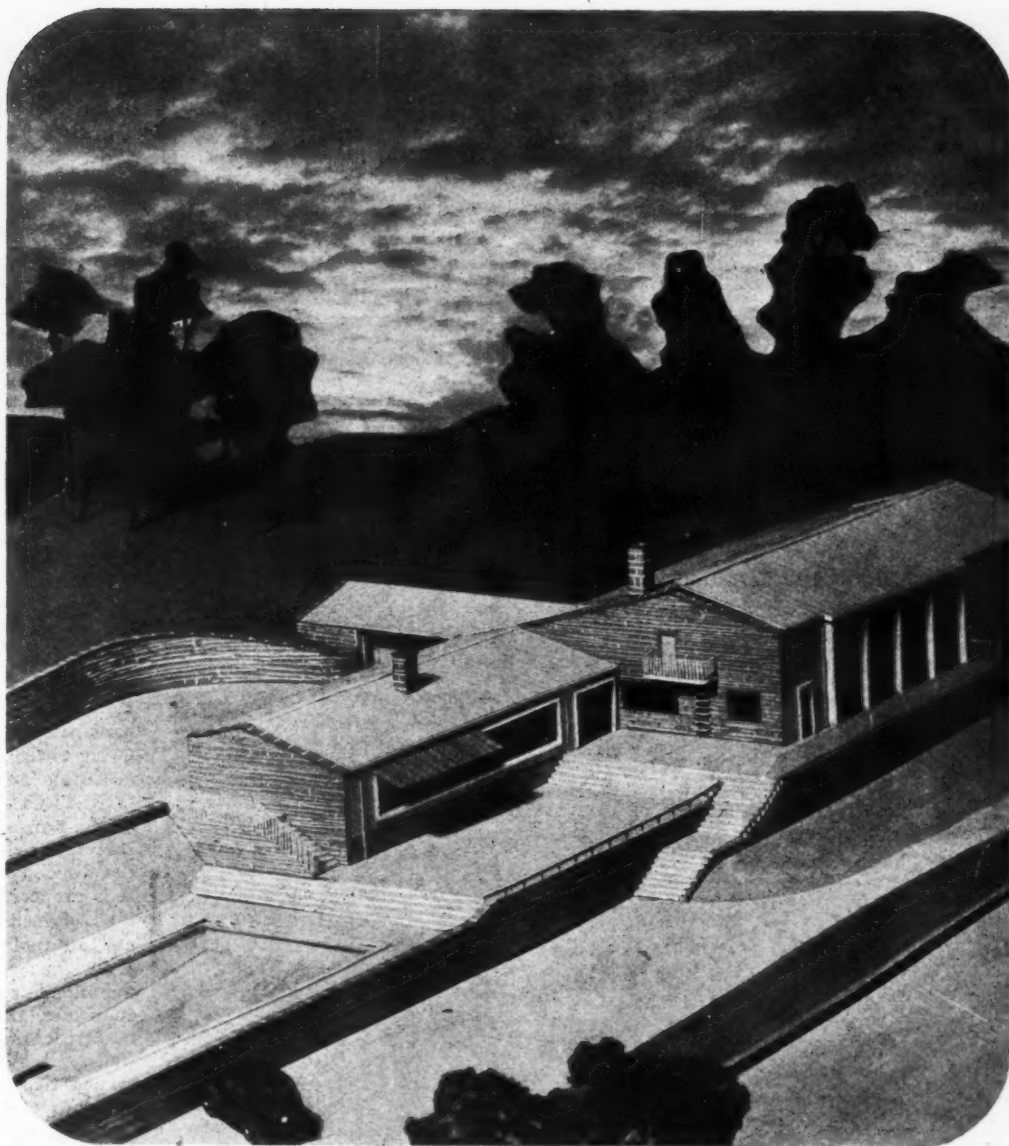
The lack of strict accuracy is not very material. Its limits are fully discussed in an article in the *Journal RIBA* for May, 1946, describing a somewhat similar but simpler formula published by Mr. W. Douglas Seymour before the war.

London

PERCY WALDRAM



Right: Model of  
the village centre.



# VILLAGE CENTRE

IN THE COTSWOLDS

BY CHRISTOPHER NICHOLSON

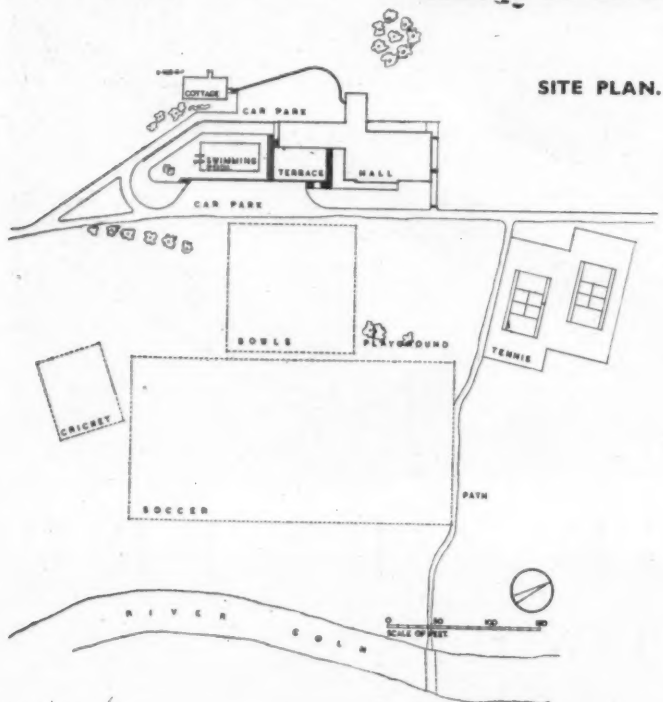
**GENERAL.**—The village centre is for three Cotswold villages—Coln St. Aldwyn, Hatherop and Quenington. It consists of two main sections, the hall wing and the club wing, which can be used either together or independently. There is a small entrance wing with cloakrooms, intended to serve both. The bar and kitchen forming a central service unit with separate entrance, can also serve both parts of the building.

**SITE.**—The River Coln runs along the south-east side of the site and the gently sloping area between

the river and the existing gravel track is levelled for playing fields. These consist of two hard tennis courts, a bowling green, a children's play-ground, and areas for cricket and soccer. On the other side of the track the ground slopes up steeply and the building is sited here to give a good view over the playing fields and river, and to use the existing track as an entrance drive. The terrace in the angle of the building faces south and the swimming bath adjacent to it is sheltered by a steep grass bank on the N.W. side.

**PLAN.—1. ENTRANCE WING.**—The lobby is large enough to be used for selling tickets. The men's lavatory and changing room are approached by a covered way which forms the entrance porch and the women's lavatory and changing room direct from the lobby. **2. CLUB WING.** The club is divided from the entrance lobby by double doors and may also be entered from the terrace on the south-east side of the building. The lounge, 240 sq. ft., serves three purposes: (1) as bar, when servery is open; (2) as lobby to terrace entrance, and (3) as extension to the common room. The bar servery connects directly to the kitchen so that the two can be under the same supervision and so that drinks can be served to the hall via

the kitchen when required. The common room, 416 sq. ft., has an open fire and large sliding doors between it and the lounge. The billiards room, 636 sq. ft., is connected with the bar by a higher level passage. This also forms a platform for chairs along the side of the room. It accommodates the room to the fall of the ground and gives a good view of the game. 3. HALL WING. The hall, with seating room for 300, is a suitable size for a badminton court. A 3-ft. high balcony runs along the west side and leads to the dressing rooms. It provides additional seating for 38 people and may be used for table tennis or for watching activities in the hall. The dressing rooms each have a small lavatory adjoining and the larger room can be used for a committee room. Alternatively they can be used as changing rooms for visiting teams, and an external door close by serves these rooms and the stage. The kitchen has a serving



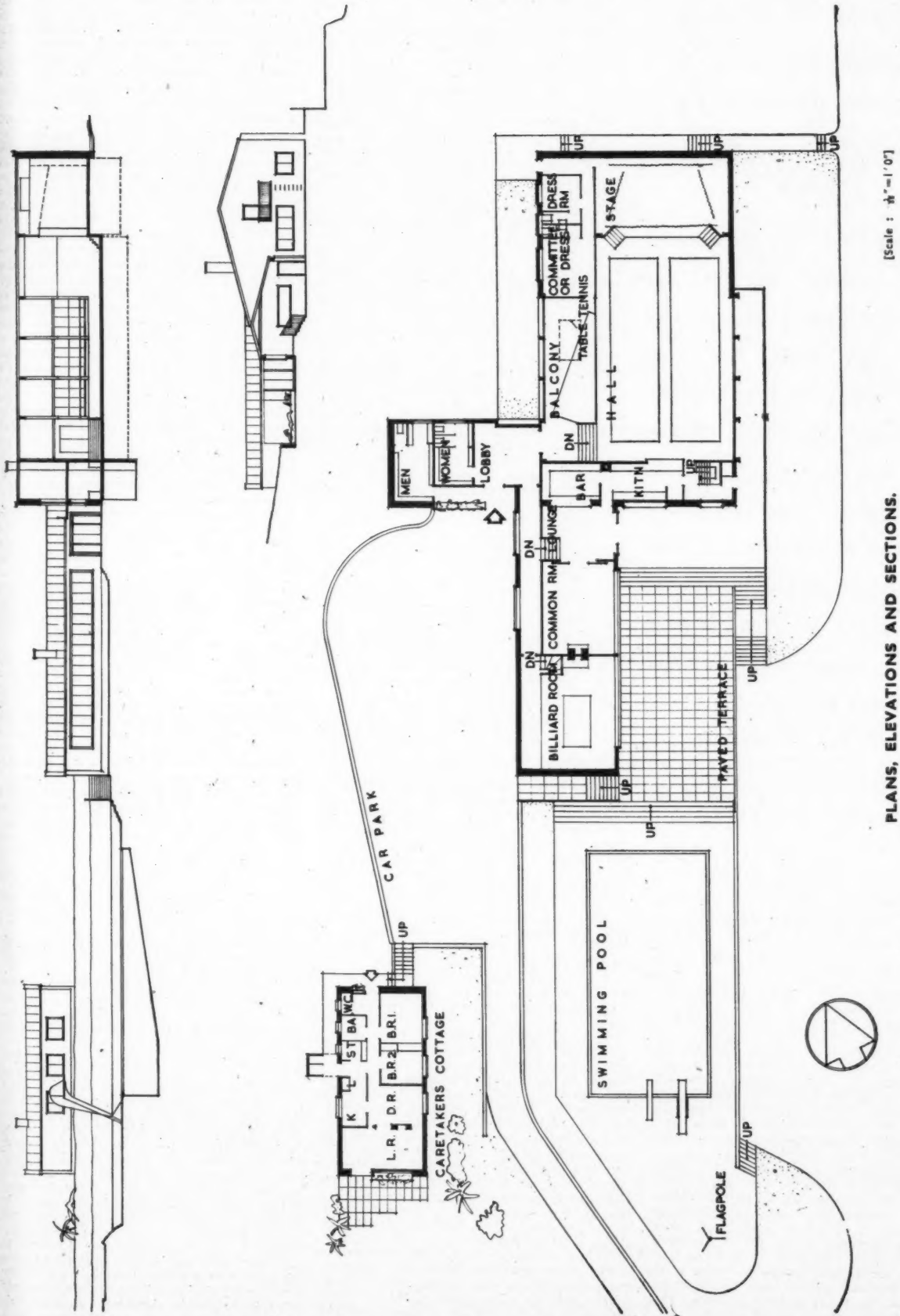
hatch and a door leading to the hall. Storage for chairs and games equipment is below the hall, and owing to the slope of the ground is accessible in front from the drive.

**CONSTRUCTION.**—The hall and balcony are spanned by asymmetrical reinforced concrete frames, and the wings by light timber trusses. It is proposed to use a proprietary type of insulated copper roofing, and all roof pitches are 15 deg. Walls are of cavity construction, the outside part being of cotswold stone for the gable walls, and rendered brickwork for the other walls. A shallow stone plinth is carried right round the building. Window and door openings in rendered walls have projecting concrete surrounds, and those in gable walls are set back in plain stone reveals.

The associated architect in the scheme is Eleanor Godfrey; the model was made by P. R. Carstairs.

*Top and bottom. Three views of the model of the village centre.*



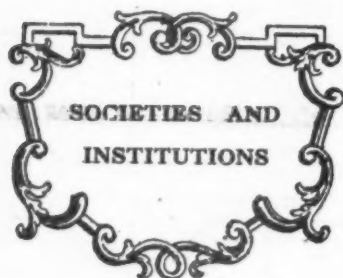


[Scale : 1/4" = 1' 0"]

PLANS, ELEVATIONS AND SECTIONS.

VILLAGE CENTRE IN THE COTSWOLDS:  
BY CHRISTOPHER NICHOLSON





*Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes trade associations, Government departments, Parliament and professional societies. To economize space the bodies concerned are represented by their initials, but a glossary of abbreviations will be found on the front cover. Except where inverted commas are used, the reports are summaries, and not verbatim.*

BBC

## John Betjeman

July 28, at Broadcasting House, London. Talk on ABERDEEN GRANITE, by John Betjeman.

**John Betjeman:** We in the south think of Aberdeen granite as that highly polished pink stuff which flushes the white cheeks of Metropolitan cemeteries and forms glistening shafts to Gothic Revival façades. But the granite which comes from the immediate neighbourhood of Aberdeen is grey and silver, a lovely stone, immensely durable, and worked with consummate skill in the deep shadowy quarries. The pink granite comes chiefly from Petershead, thirty miles north of the city, and the Island of Mull on the other side of Scotland. Granite is the strongest building stone in these islands, the hardest to shatter and the hardest to work. More than a century ago blocks of this dense granite, twenty-five feet in length, were taken from an Aberdeen quarry for St. George's Hall, Liverpool. So hard is the stone that its joints are hardly perceptible, and a great column in such granite can be made to appear as a solid unjointed block, the joints invisible even in bright sunlight.

Away down the tramlines to the north, surrounded by new granite housing estates at a decent distance, and on a rise above

the beech-bordered meadowland of a river, stands Old Aberdeen, in which is a Cathedral, a University, and some Georgian houses, built of huge blocks of granite, a strange textured place with an atmosphere of mediæval and Jacobite grandeur about it, a place that really makes you feel you are in the northernmost seat of learning, so remote, so windswept, and of such a solid, grey strangeness. Here is the old King's College of Aberdeen University, and here is its chapel, with a low tower from which spring ribs that support a Renaissance style crown. St. Giles', Edinburgh, and St. Nicholas, Newcastle, and St. Dunstan's, in East London, have similar spired adornments. But none of these are so satisfactory as that of Aberdeen. This chapel is remarkable for its canopied stalls in dark oak, the only mediæval church woodwork surviving complete in Scotland after the ravages of Knox. It is not at all like the lace-like soaring of the East Anglian woodwork. It is squat and square and rich with inventive designs through which trail wooded thistles. And to the solid architecture, designed for resisting storms, and simple because of the hardness of the granite from which it is made, the elaboration of this woodwork is a perfect contrast. Finally, there are windows like the rest of the chapel, very early sixteenth century, of a style so curious and original as to be unlike any Gothic outside Scotland. The buttresses run up through the middle of the tracery and the arches of all the windows do not come to a point, but are depressed and round. Not far from King's Chapel is St. Machar's strange Cathedral. The west end is the thing to see, seven tall lancets of equal height flanked by square towers with no openings. And on top of each tower a dumpy spire in a style half Gothic, half Renaissance. The interior has alas been stripped of its plaster and ancient furnishings, except a wooden roof of some richness, though too high and dark to be visible, so that the effect of the building inside is merely one of size.

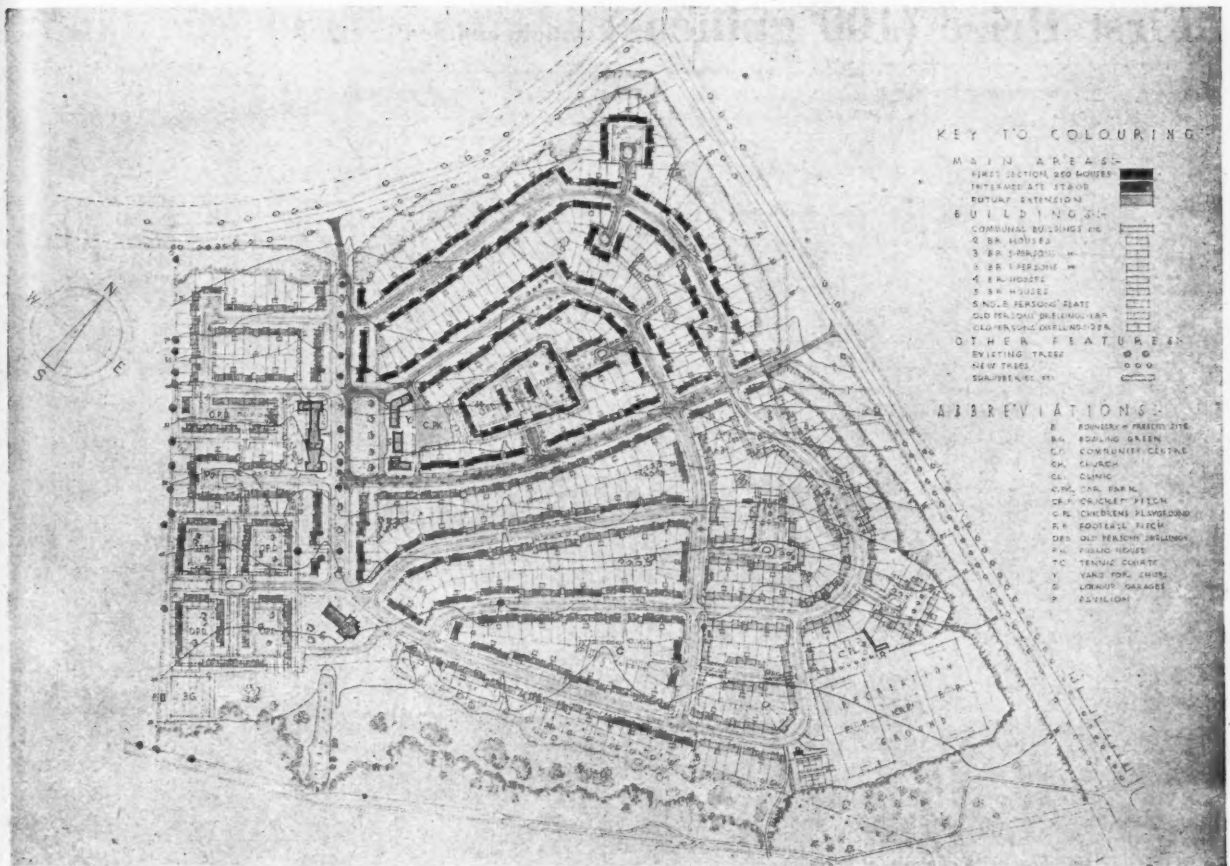
You cannot walk back and down the main streets of Aberdeen proper, as opposed to old Aberdeen, without being aware of the noble planning of late Georgian times. Wide streets, such as Union Street, stately groups of grey granite buildings in a Grecian style, crescents on hilltops and squares behind them. These are largely the work of two architects, friendly rivals, John Smith, the City Architect, and Archibald Simpson, the centenary of whose death in 1847 was celebrated in Aberdeen a week or two ago. Smith was, I think, the less interesting of the two. He built in correct classic and 15th century style and with granite, close-picked and single-axed, so that it was tamed to carry almost as much carving of capitals and mouldings as a softer building stone. A lovely screen in Union Street rather like that at Hyde Park Corner, is his, and many a handsome classic and English Perpendicular style public building. But the original genius is Archibald Simpson. At the start of my visit my attention was held by a huge wall of granite, so bold, so simple in design, so colossal in its proportions that I stood puzzled. I had seen nothing like it before or since. Egyptian? Greek? Eighteenth century? Modern? No, it can't be modern, for see the granite is weathered. This was the New Market built by Archibald Simpson in 1842. The simple magnificence of the entrance is designed to show the strength and quality of grey granite. The architect realised that there was no point in carving this hard unyielding material into delicate detail. Let the stone speak for itself and then emphasize its scale and texture by a few strong mouldings and broad pilasters projecting only an inch or two from the face of the building. The inside of this covered market is worthy of its outside, colossal, simple, constructional. I seemed to be stepping into one of those many-vista'd engravings by Piranesi. It was a great oblong

hall with curved ends and all around a row of plain circular-headed arches rising to the glass and timber roof. Halfway down the wall height ran a gallery of shops. Shafts of sunlight slanted through the arches on to wooden shops and stalls of the central space and the surrounding gallery. Archibald Simpson. Here was an architect of genius, a Soane, a Hawksmoor, someone head and shoulders above the men of his time. Simpson's work is almost always of the sort that depends on proportion for its ornament. Two storey houses in crescents as at Bon-Accord and Marine Terrace, where subtly depended on glazing bars in the windows, for instance, now alas too often destroyed in favour of plate glass. But his greatest work is a brick tower and spire opposite the Art Gallery. The fact that it is in red brick makes it stand out, but not glaringly, among the grey granite of the rest of the city. It must have looked more wonderful still when the lead spires for which Aberdeen was famous, were making further contrast. How can I tell you why this tall plain spire is so marvellous so that only Salisbury is in my opinion its rival? I think it is because of the way it grows out of the high, thin-buttressed tower below it, because of the pinnacles and tall gables at its base, because its very plainness is so carefully considered. It was designed in 1884, long before any architect had succeeded in creating in the Gothic style on Gothic principles of construction—all other architects were only imitating at that time.

No one can dismiss Marischal College, Aberdeen, when looking at the work of the present century. Wedged behind a huge town hall in an expensive and attractive mid-Victorian baronial style, was a cluster of silver-white pinnacles. I turned down a lane towards them, the front broadened out. Oh! Bigger than any cathedral, tower on tower, forests of pinnacles, a group of palatial buildings rivalled only by the House of Parliament at Westminster. This was the famous Marischal College. Imagine the Victoria tower with a spire on top, and all that well-grouped architecture below of lesser towers and lines of pinnacles executed in the hardest white Rumney granite and looking out over the grey-green North Sea, and you have some idea of the first impression this gigantic building creates. It rises on top of a simple Gothic one designed by Simpson in 1840. But all these spires and towers and pinnacles are the work of this century and were designed by Sir Alexander Marshall Mackenzie. You have to see them to believe them. True, they do not bear close inspection. The hollow central tower reveals a brick core within to support its spire, the inside hall seems small after all this outward magnificence—but as a piece of architectural showmanship, Marischal College is fine, an equivalent of Sir George Catley's soaring University Tower at Bristol.

Aberdeen's best modern building is the addition to St. Andrew's Episcopal Cathedral by J. N. Comper, an Aberdonian who has already done much distinguished work in the city. You go in by a rather dingy entrance in a flat Perpendicular-style building designed by Simpson in 1816 when he was a man of 26. Your push open the door and your heart gives a leap. There, stretching away as in an old Dutch oil-painting, is Comper's superb renovation of the interior. White arcades by Simpson in a simple style with big mouldings lead to a great double-aisled east end which Comper has added in a style which perfectly blends with the older building. White plaster vaulting diminishes away in perspective adorned with baroque gold and coloured shields. And there, at the far east end, is a great baldachin over the altar in burnished gold with a gold spire rising from its canopy in a manner reminiscent of the spire on King's Chapel. And beyond the gold of this baldachin, intensely gold in this blazing whiteness, you see the deep blue tints, the green, and the red of Comper's large east window.





## BESSINGBY HOUSING ESTATE COMPETITION DESIGNS

Mr. C. W. C. Needham, the Assessor in the Bessingby Housing Estate Competition, promoted by the Bridlington Corporation, has made his awards as follows:

1. (22) (100 guineas) Culpin and Son, London.
  2. (18) (50 guineas) Eric Cole and Partners, Cirencester.
  3. (21) (25 guineas) N. Dickenson, A.R.I.B.A., D. H. Rowledge, A.R.I.B.A., Walsall, Staffordshire.
- Of the winning designs the assessor says: The layout of an estate and the detailed planning of houses are two separate problems, and in inviting competitive designs a risk had to be taken that both of these might not be adequately solved by any competitor. The greatly improved effect likely to be obtained if both layout and houses were designed together to fit the site and suit the locality justified

this risk being taken.

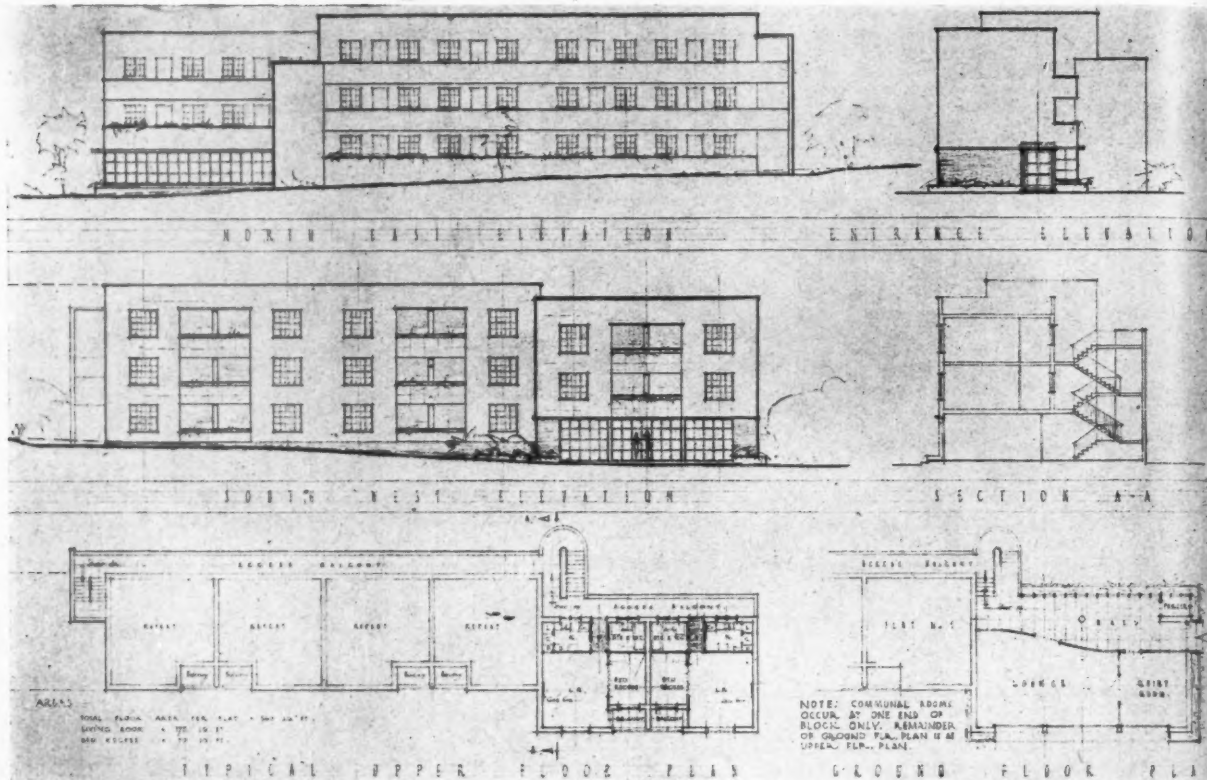
Fortunately, the Competition has been thoroughly successful in producing one set of drawings (No. 22) of outstanding quality, that meet all requirements in a most satisfactory way. The winning house plans have the great merit of simplicity in arrangement, with rooms of useful shape, adequate storage facilities (including the good larders required by Yorkshire housewives) and staircases without winders. There is room to sit round fireplaces comfortably—an essential requirement in winter on the north-east coast. The plans of the one-storey dwellings for old people and the three-storey flats for single persons have the same good, straightforward qualities. From the constructional standpoint, the various plans are simple and economical. The equipment suggested is ample, but not over-elaborate, and there is every probability that all types can be

built at prices likely to be approved by the Ministry of Health. The external treatment is outstandingly good, and achieves a marked sense of dignity by the general proportions of the buildings, with good, simply treated roofs with solid chimney stacks, and particularly by the very well proportioned double-hung sash windows—most suitable on this site for practical purposes. The interesting effect produced by different lengths of blocks, punctuating gables and dormers, and varying eaves lines, might perhaps be still further increased by some variation in the treatment of entrance doorways, but the general appearance is excellent, and well suited for suburban houses in an east-coast town.

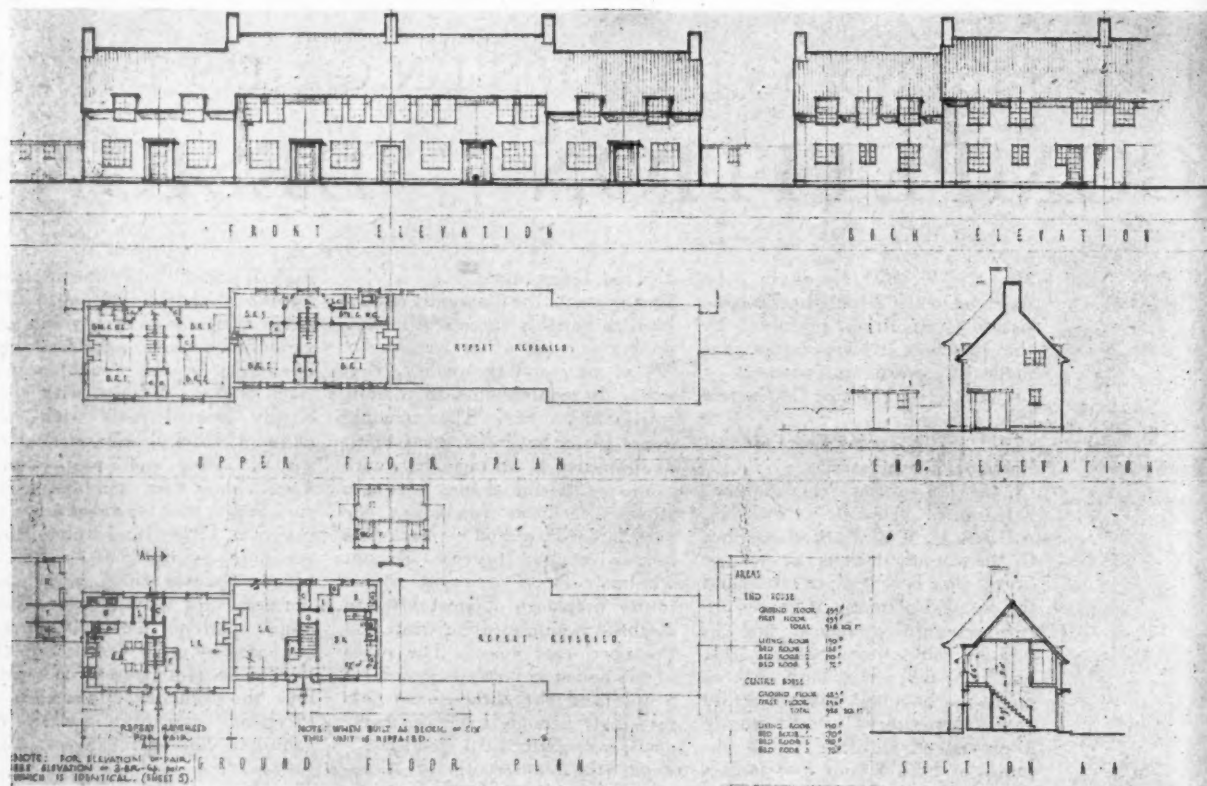
The blocks of flats, while designed in rather different style, show the same good proportions and have the desired domestic, rather than institutional character.

*Top, layout of the winning design.  
By Culpin and Son.*

# First Prize (100 guineas) Culpin and Son



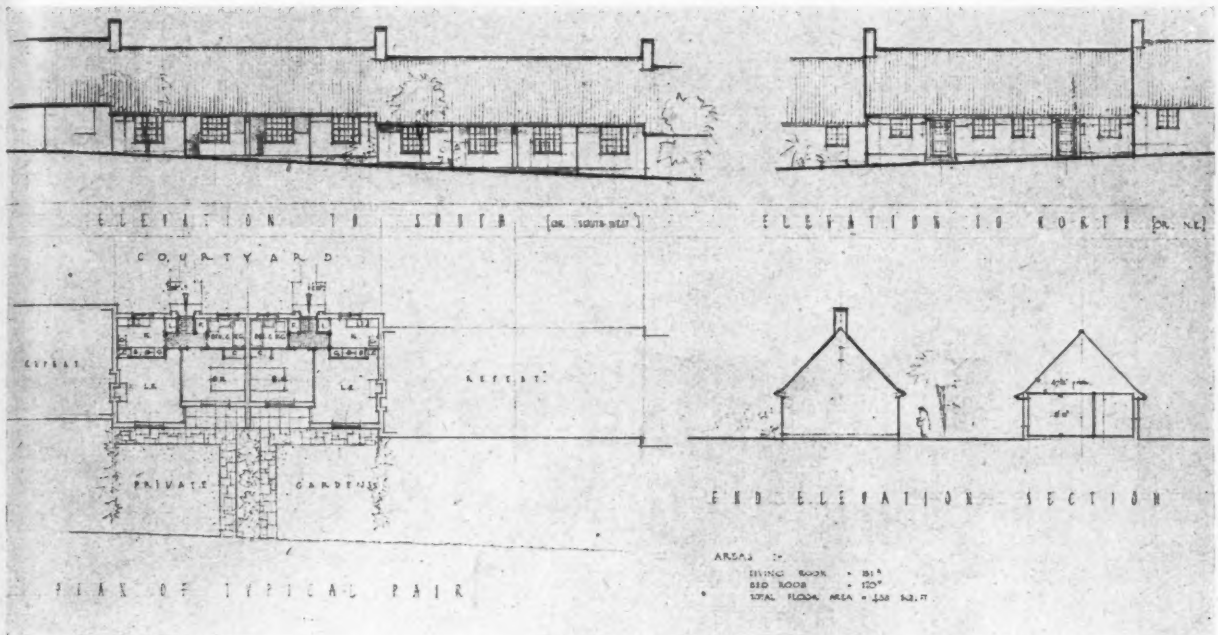
Single persons' flats with communal accommodation.



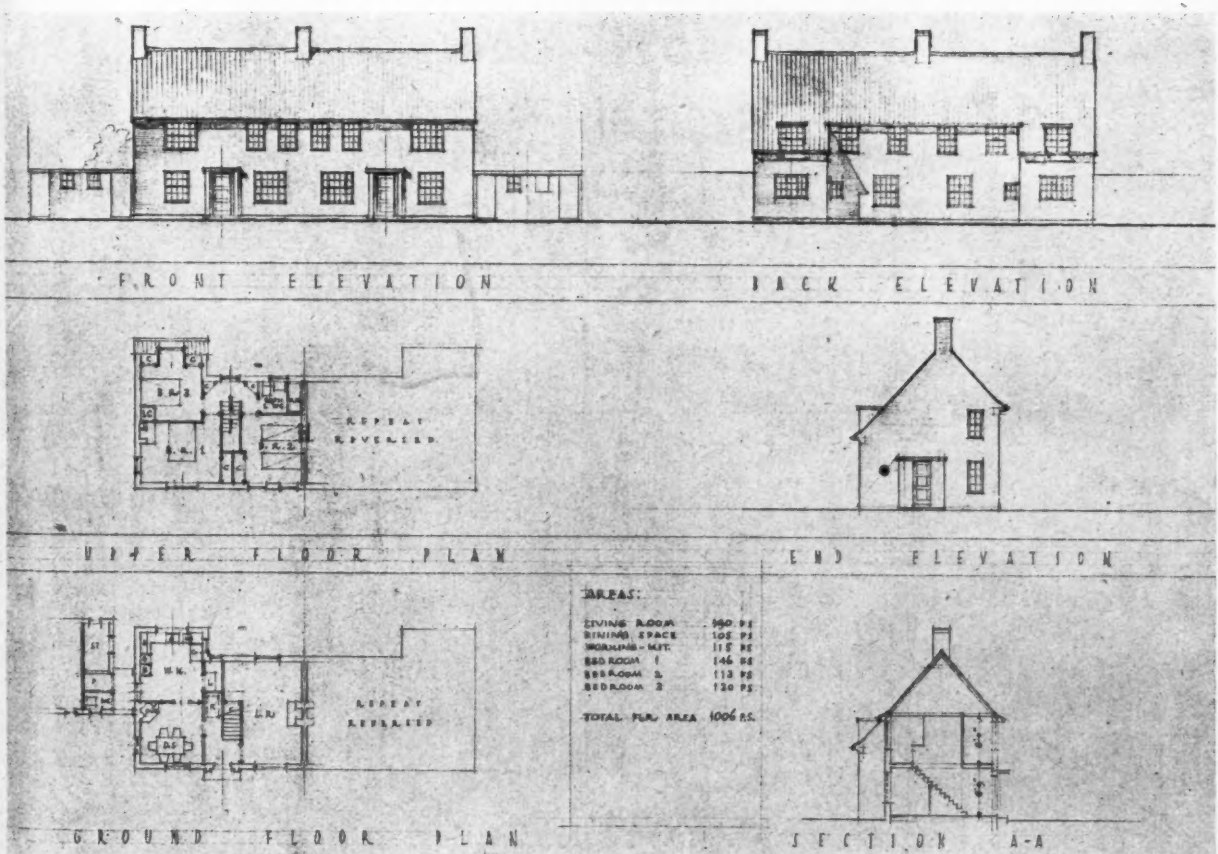
Block of four 3-bedroom (5-persons) houses.

BESSINGBY HOUSING ESTATE

# First Prize (100 guineas) Culpin and Son



Old persons' dwellings.



Block of two 3-bedroom (6-persons) houses.

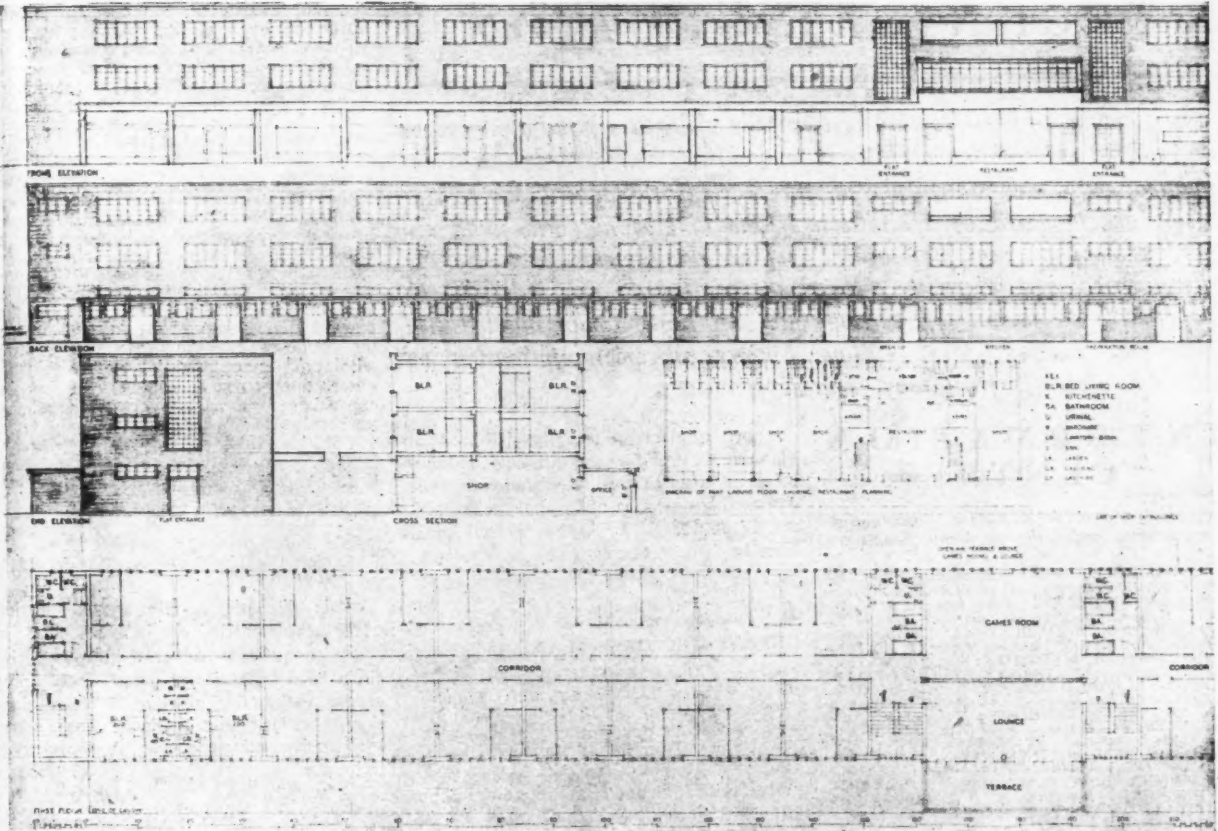
COMPETITION, BRIDLINGTON



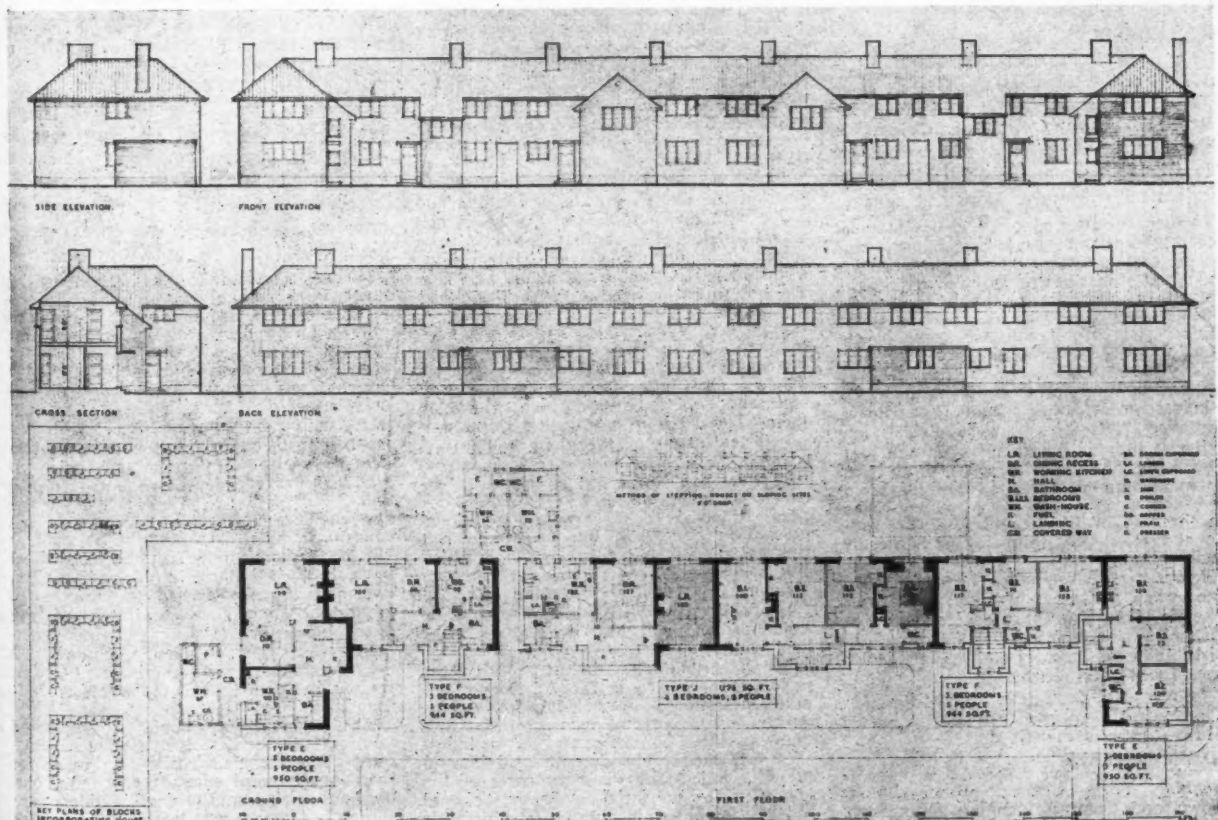




# Second Prize (50 guineas) Eric Cole and Partners



Single persons' flats, shops, etc.



Housing types E, F and J.

## TECHNICAL SECTION

*The function of this feature is to supply a digest of, and commentary on, current information of interest to architects as recorded in technical publications and statements of every kind throughout the world. Items are prepared by specialists of the highest authority who are not on the permanent staff of the Journal, and views expressed are disinterested and objective. Items are printed on one side of the paper only to permit of cutting out and pasting up in classified order in readers' files. The Editors welcome information on all developments from any source.*

## INFORMATION CENTRE

To enable items to be filed all information is classified under the following headings:

1 SOCIOLOGY. 2 PLANNING: General. 3 PLANNING: Regional and National. 4 PLANNING: Urban and Rural. 5 PLANNING: Public Utilities. 6 PLANNING: Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN: General. 10 DESIGN: Building Types. 11 MATERIALS: General. 12 MATERIALS: Metal. 13 MATERIALS: Timber. 14 MATERIALS: Concrete. 15 MATERIALS: Applied Finishes, Treatments. 16 MATERIALS: Miscellaneous. 17 CONSTRUCTION: General. 18 CONSTRUCTION: Theory. 19 CONSTRUCTION: Details. 20 CONSTRUCTION: Complete Structures. 21 CONSTRUCTION: Miscellaneous. 22 SOUND INSULATION, ACOUSTICS. 23 HEATING, VENTILATION. 24 LIGHTING. 25 WATER SUPPLY, SANITATION. 26 SERVICES, EQUIPMENT: Miscellaneous. 27 FURNITURE, FITTINGS. 28 MISCELLANEOUS.

### 3.6 planning: regional and national DEVELOPMENT AREAS

*Industrial Opportunities in the Development Areas.* Board of Trade. (HMSO, 1946. 6d.)

Reprint, in revised form, of articles published in *Board of Trade Journal* during January and February, 1946. Useful statistical data for planners. Maps and tables.

Two introductory chapters on development areas as centres of peace-time industry and on the trading estate's place in the changing industrial structure are followed by concise surveys of facilities and progress in the various development areas, covering South Wales and Monmouthshire, the North-Eastern area, Scotland, and West Cumberland. Information on each area is illustrated by a map and tables giving figures in relation to factory building schemes approved. The tables are subdivided into columns providing particulars on site location, name of firm, floor space, products to be manufactured, estimated additional employment and the dates when building began. In the case of West Cumberland an additional table is given showing trading estate undertakings.

Figures are correct up to January 1, 1946, since when a number of additional factory schemes have been approved for each area. Particulars on these can be obtained from the Distribution of Industry and Regional Division, Board of Trade.

### 4.16 planning: urban and rural TOWN CENTRES

*Planning Town Centres.* Brian Bunch. (Town and Country Planning Association, 1947.)

Report of lecture recently delivered at Planning Centre. General outline of requirements of town centres. Replanning of war-damaged central area of Coventry, discussing details of D. E. E. Gibson's final plan. First implementations.

### 4.17 planning: urban and rural GREATER LONDON PLAN

*Greater London Plan: Memorandum by the Ministry of Town and Country Planning on the Report of the Advisory Committee for London Regional Planning.* Ministry of Town and Country Planning. (HMSO, 1947, 1s. 6d.)

Decentralization and redistribution of population. Industry. Communications. Open spaces. Administration and public services. Appendices. Diagram of general highway pattern. Important official statement.

This is the third report on the planning of the Greater London Area, the two earlier ones being *The Greater London Plan* by Sir Patrick Abercrombie (HMSO, 1945, 25s.), and *The Report of the Advisory Committee for London Regional Planning* (HMSO, 1946, 2s. 6d.).

The Government accept the proposal to restrain the overall growth of London and agree with the preservation of a green belt round London. The originally proposed new towns at Stapleford, Ongar, Margaretting, Crowhurst, Holmwood and White Waltham are not to be proceeded with. Their sites are either too near an existing town or occupy land which is too valuable to agriculture. The four new towns of Stevenage, Hemel Hempstead, Harlow and Crawley-Three Bridges have been approved in principle and steps have been taken to develop them. The decisions with regard to the proposed new towns of Meopham and Pitsay-Laindon have been reserved. It is stated that other new towns will be needed in the course of decentralization.

The proposal to disperse an additional population of 167,000 into the green belt ring has not been accepted by the Minister. But recommendations for the expansion of Newbury, Aylesbury, Bletchley, Chelmsford, Witham and Basingstoke are being examined and will be discussed with the local authorities.

The redistribution of industry within the region as envisaged in the Advisory Committee's report will not be sufficient. A proportion of manufacturing industries, Government offices, commerce and service industries will need to be decentralized beyond the fifty mile radius to other parts of the country. New industrial development should not be permitted in the Inner Urban or Suburban Rings.

The Memorandum contains detailed recommendations with regard to major radial roads, ring and sub-arterial roads, and to parkways illustrated by a general highway diagram. Airways, navigable waterways, railways and markets are other aspects briefly discussed under the section dealing with communications.

It is the Minister's intention to prepare a plan to show the land around London which, as green belt or green wedges, must be preserved from development. He agrees in principle with the Advisory Committee's recommendations for standards of open space provision, recreational and sports centres, and local green belts.

The Memorandum briefly refers to the question of administration and public services, and concludes with a number of appendices providing most important statistical data on the proposed expansion of existing towns within the green belt ring and within the outer country ring, a summary of accepted expansions, and a summary of population proposals.

### 5.11 planning: public utilities TRAFFIC CENSUS

*Origin and Destination Traffic Census.* W. S. Cameron. (The Surveyor, May 30, 1947, pp. 279-280.)

Article discussing origin and destination traffic census carried out in Leeds, 1945, in order to estimate value of proposed city circle road. Details of actual census procedure. Method of calculation and evaluation of census figures obtained. Three maps. Informative statement on traffic survey technique.

### 6.11 planning: social and recreational THE ULSTER COUNTRYSIDE

*The Ulster Countryside: Interim Report.* Northern Ireland Planning Advisory Board. (HMSO, Belfast, 1947, 1s. 6d.)

Outline report on measures to be adopted for preservation of amenities of Ulster countryside. Illustrated by maps showing recommendations for preservation of coastal and adjoining areas of special importance based on detailed survey undertaken by members of Amenities Committee. Appendices.

This clearly written and comprehensive report aims not only at initiating Government action but also at enlisting the public's interest and approval of the proposals put forward. It is stated that all public and private development should endeavour to preserve and improve amenities. This can only be achieved through planning schemes if legislation on compensation and betterment is forthcoming. Larger areas of particular beauty should be scheduled as National Parks under Government control, and a National Parks Commission appointed. Smaller areas of scientific and educational interest should be selected as Nature Reserves to be cared for by local authorities or other appropriate bodies. Action is urgently needed to preserve the natural scenery of the coastal areas. A protected zone is proposed for the whole coastline in which siting and design of new buildings should be strictly controlled. A continuous footpath around the whole coast is suggested.

Effective legislation should be introduced to counteract the defects of ribbon development along the main roads, to provide for road improvement schemes, to control outdoor advertising, and to check ruthless tree-cutting. A vigorous tree-planting policy should be embarked upon.

45 YEARS PERSONAL EXPERIENCE OF THE FLOORING TRADE

## THE PHILIP FLOORING COMPANY

P. D. PHILIP (British)

FLOORING SPECIALISTS,

55 East End Road, Finchley,  
LONDON, N.3



Telephone:  
FINCHLEY 3479  
(2 Lines)  
CONTRACTORS TO  
ADMIRALTY  
WAR OFFICE  
AIR MINISTRY  
MINISTRY OF WORKS  
MINISTRY OF SUPPLY  
L.C.C.  
MIDD. C. C. & Co.

### FLOORING SPECIALITIES

WOOD BLOCK, PARQUET STRIP (HARDWOOD) & MAGNESITE JOINTLESS COMPOSITION (new com-  
position) FLOORINGS, MOSAIC, TERRAZZO & MARBLE PAVING, RUBBER & LINOLEUM,  
RESURFACING OF EXISTING FLOORS BY MACHINE  
"FLUID-GLASS" TREATMENT FOR LINOLEUM



To Whom it may concern.

25th July, 1947.

Dear Sir(s),

### SPECIALIST FLOORINGS, INCLUDING JOINTLESS

#### COMPOSITION FLOORING.

We have already referred to wood block floorings for Housing (the Minister of Health has informed us that he will allow us to supply and lay this class of flooring in standard houses) and we have plenty of stock.

We have been able to obtain a substantial quantity of reclaimed and redundant timber and also slabs and off-cuts, from which we are manufacturing 1" and  $\frac{3}{4}$ " softwood and hardwood flooring blocks. These can be supplied and laid, as intimated by Ministry of Health circular 79/47 dated 29th April, 1947, over and above the 1.6 standards of softwoods allotted to each house, and the Ministry have instructed local licensing officers to issue Timber Control licenses accordingly. Orders can be accepted and executed in strict rotation until supplies are exhausted.

Hitherto, we have not tendered for composition floorings, as we did not consider the synthetic magnesite (manufactured from sea-water) suitable for this class of flooring. Now, however, that we can obtain the genuine imported mineral magnesite, we are able to give the 100% guarantee that clients are entitled to, and shall be happy to submit quotations for this type of flooring. It is obtainable in red, brown and/or buff.

For more substantial buildings (schools, factories, offices, etc.) we still have large stocks of the more expensive timbers -oak, Canadian birch, African hardwoods in both block and strip- and we can submit prices for these floorings for more or less immediate execution. If clients require a parquet floor we can commence any job inside 48 hours.

Should you have floors that are badly worn, we can clean off, reface and waxpolish, using electrically or petrol-driven surfacing machines.

Please send us your enquiries.

Yours faithfully.

The Philip Flooring Company.

*P.D. Philip*

(For 39 years connected with Messrs. Jos. F. Ebner, Ltd.)



# ACTION STATIONS ...

Homes, Schools, the re-construction of our blitzed towns and cities ... the Building Industry must prepare and "stand ready" for the great national rebuilding programme. S.G.B. with branches and depots throughout the country, offer the largest and most efficient scaffolding service.

## S.G.B.

SCAFFOLDING (GREAT BRITAIN) LIMITED

Registered Office & Works:  
**PLOUGH LANE**  
**LONDON S.W.17**  
 Telephone: WIMBLEDON 6701/5

Factory:  
**SAUNDERTON, BUCKINGHAMSHIRE**  
 Tel: PRINCES RISBORO 480/4

BRANCHES AT:— ABERDEEN • BRIGHTON • BIRMINGHAM • BRISTOL • CARDIFF • DUNDEE  
 EDINBURGH • EXETER • GLASGOW • HIGH WYCOMBE • HULL • LEEDS • LIVERPOOL • LONDON  
 MANCHESTER • NOTTINGHAM • NEWCASTLE • PLYMOUTH • PORTSMOUTH • SOUTHAMPTON



Improvement of architectural standards is called for. It is recommended that a school of architecture at Queen's University should be established, and that a city architect should be appointed for Belfast. Buildings of architectural or historic merit of all periods should be preserved.

Further recommendations include control over hutments, caravans and temporary structures; legislation to clarify the position regarding rights of way; smoke abatement in urban areas; improvements in the appearance of cemeteries; and the provision of public gardens or village halls as war memorials.

Lastly the report recommends the strengthening of the Northern Ireland Planning Commission so that it can efficiently deal with coastal control and amenity matters throughout the province.

Of the five appendices Nos. III and V are of particular interest. No. III contains a code of professional practice regarding advertisements suggested by the Design and Industries Association. No. V is a summary of a survey undertaken by the War Memorials Advisory Council.

## 7.7 practice

### BUILDING GEOMETRY

*Practical Geometry for Junior Builders.* Leslie A. Lee and R. Frazer Reekie. (Edward Arnold and Co., London, 1946, 5s.)

Covers the principles of plane and solid geometry necessary for the drawing office and for general application in building. The scope is that of the junior technical school of building and the 1st year of the Senior National Diploma and Certificate courses.

Contents include description of drawing equipment; definitions used in geometry; types of scale; lines, angles and triangles, including use of surveying instruments and application to the setting out of building sites; properties and applications of quadrilaterals, polygons, the circle, the ellipse, the parabola, and the hyperbola; areas of plane figures; setting out of arches; geometrical basis of pattern; setting out of mouldings; orthographic projections; pictorial projections; points, lines and planes; inclined projection of solids; alteration of groundline and sectional projections; sections of solids and development of surfaces; typical examination questions. Pp. 215, ill.

## 9.2 design: general

### REFUSE LANDFILLS

*Why You Should Avoid Housing Construction on Refuse Landfills.* Rolf Eliassen. (Engineering News-Record [USA], May 1, 1947, pp. 756-760.)

Re-grading and opening of trenches on housing site filled five years previously with rubbish and garbage exposed decomposing garbage with a resulting stench. Odour could be controlled with an oxidizing agent sprayed on the exposed refuse. Houses were elevated above ground and an aluminium-foil membrane was provided under the wood flooring.

## 10.13 design: building types

### FARM BUILDINGS

*How Concrete Can Help the Dairy Farmer.* (Cement and Concrete Association, Fifth Edition. Free.)

Reprint of useful brochure dealing with cow-houses, dairy, ice houses, manure pits, concrete yards and walks, silos.

This little book was written before the Ministry of Agriculture Report on Farm Buildings (Post-War Building Studies No. 17) came out. This, however, only occasionally leads to conflicting statements, such as the controversial 800 cub. ft. of air space per cow, which is an expensive and unnecessary luxury that could be dispensed with by good ventilation. Similar discrepancies can be discovered in the recommendations about window and ventilation areas, and the position of ventilators. Nevertheless, a cowhouse built on the lines indicated in the brochure would pass for certified milk production and conform to the T.T. Milk (Special Designations) Regulations. This up-grading of milk brings a reward of something in the order of £75 p.a. for a herd of 20 to 25 cows in the form of bonus earnings. There is no doubt that concrete in its various forms, especially the new light concretes, should be particularly useful to farmers, because they are permanent building materials, entitling them to cheap 40 year loans from the Lands Improvement Company.

As usual, the pamphlet brings a useful list of grades of concrete for various appli-

cations, and a complete guide to mixing and laying. There are no notes about war-time developments in the mixing of light concretes, grouted or no-fines concrete, or proprietary waterproofers, dust proof surfaces, hardening or acid resisting agents. In a trade publication such information would be both legitimate and useful.

## 10.14 design: building types

### HANGARS

*Hangars Analysed.* Fred N. Severud. (The Architectural Record [USA], April, 1947, pp. 115-124.)

Analysis of various types of wide span hangars. New forms of construction.

Examples of existing hangars are shown to equal scale to allow of easy comparison. 19 different types of hangars are tabulated and commented upon.

Fireproofing is an important requirement, it may be achieved either by the construction itself (shell concrete), or by separate protection. Vermiculite plaster is extremely efficient. Where there is exact repetition, shell hangars are favourable.

There is an interesting difference in steel tonnages required by three-hinged arches as compared to rigid frames with straight members. An example of the former type of 275 ft. span in structural steel, including bracing required 22.5 lb./sq. ft. as against a rigid frame type of 264 ft. span with 38.8 lb./sq. ft. Economy of materials always follows rounded structural forms, such as arches, shells, domes.

## 11.2 materials: general

### REINFORCED BRICKWORK

*Reinforced Brickwork.* (Architectural Design, April, May, 1947, pp. 113-4, 135-7.)

Research, design considerations, examples.

This article is based on a paper by C. W. Hamann and L. W. Burridge in the *Structural Engineer*, April, 1939. The purpose is to remind architects of the possibilities of reinforced brick construction which so far has been largely ignored in this country, although extensive experimental work as well as practical applications have been carried out in India, the USA, Canada and Japan.

## 13.13 materials: timber

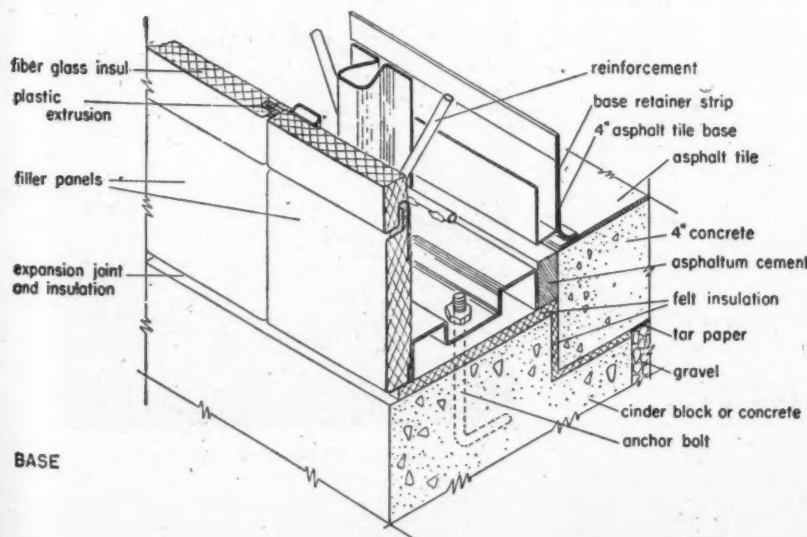
### STRUCTURE OF WOOD

*The Structure of Wood.* H. E. Desch, B.Sc., M.A., D.Phil., F.S.T. (Wood, March, 1947, pp. 78, 81, April, 110, 114, May, 140, 143.)

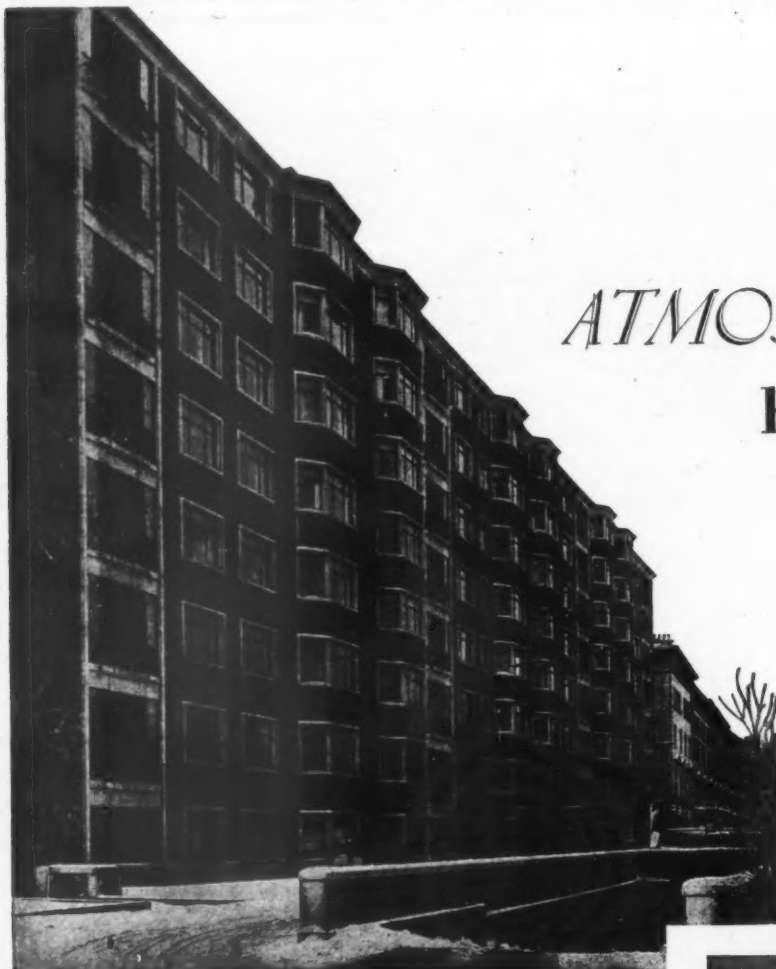
Series of three articles discussing detailed anatomical structure of wood, primarily as means of timber identification. General account of the functions of component parts of the trunk of a tree, with emphasis on the differences in structure between hardwoods and softwoods. Illustrated.

These articles which are planned to make possible the identification of timbers and their division into different commercial groups by the study of their anatomical structure are of considerable interest to anyone wishing to have more than a superficial knowledge of the properties and behaviour of timber. On the other hand, the information given is necessarily of a specialist kind and may be of little direct use to architects.

The author discusses the methods by which it is possible with the aid of a razor blade and a pocket lens ( $\times 10$  magnification) to diagnose a sample of timber and by obser-



Typical structural details of enclaved steel house [USA]. See 20.29.



# No ATMOSPHERICS here!

*Every flat at Kingston House is wired  
for Rediffusion*

AT Kingston House, Kensington, one of London's most modern blocks of flats, tenants enjoy perfect radio reception laid on by private wire. They are never bothered by atmospherics or fading, or by interference due to lifts and other electrical equipment. Their programmes are crystal-clear from the moment of switching on.

This perfect listening service is the result of close co-operation between architect and radio engineer prior to, and during, the building of Kingston House. It was planned that Rediffusion—the service relaying B.B.C. programmes from the studio to the home by private wire—should be installed in all flats.

With Rediffusion, only a loudspeaker with volume control and switch is required in the home. There is no need for a radio set, aerial, or earth. The architect can include internal wiring in the general construction, and can install loudspeakers that suit his plans for interior decoration. Loudspeakers can be supplied in a wide range of models, such as panels for the wall or ceiling, and special units for installation in built-in furniture.

Architects who are interested in this Rediffusion Service should contact our London Office during the early stages of planning so as to ensure full co-operation.

## REDIFFUSION

serves the following towns:

ARTILLERY, BANGOR (CO. DOWN), BARGOED, BARROW, BRETON, BLACKPOOL, BRISTOL, BROAD-  
STAIRS, CAERPHILLY, CWMCAIRN, DARLINGTON, EXETER, FLEETWOOD, GATESHEAD, GOSFORTH,  
HEBBURN, HULL, JARROW, KENDAL, LANCASTER, LONDON,\* MAIDSTONE, MARGATE, MEERTHYR,  
MORECAMBE, NEWCASTLE, NEWPORT (MON.), NORTH SHIELDS, NOTTINGHAM, PLYMOUTH, PRESTWICH,  
PONTYPOOL, PONTYFRID, RAMSGATE, RHONDDA VALLEY, ROCHDALE, ROTHERHAM, ST. HELENS,  
SALTAM, SOUTH SHIELDS, STRETTFORD, SUNDERLAND, SWANSEA, WALLASEY, WALLSEND, WHITLEY  
BAY, WOLVERHAMPTON. ALSO IN MALTA AND TRINIDAD.  
\* Special service to flats and hotels.



*Loudspeakers are fitted as panels in the wall*

CARLTON HOUSE, REGENT STREET, LONDON, S.W.1



Reinforced concrete engine shed. See 20.30

vation of general characteristics of distinctive features such as a marked laterwood zone, an abrupt or gradual transition from early wood, the presence or absence of resin markings, hardness and texture (size of individual cells) to define its commercial group.

In addition, the method may be useful in ascertaining the suitability of a sample of timber for a particular purpose; for instance, woods with an abundance of tyloses (gumlike substances) are difficult to impregnate with wood preservatives, but are on the other hand frequently resistant to decay.

From the architect's point of view, perhaps the description of the functions performed by the various cells and rays in the timber structure are of greatest interest, since amongst other things it helps to understand the nature of the figuring which may be obtained by the various methods of sawing, namely, radial, tangential, etc. Incidentally, the illustrations offer many suggestions for exciting textile and wall paper patterns.

## 20.29 construction: complete structures PRE-FAB. STEEL BUNGALOW

*Lustron Corp Enamelled Steel House.* (The Architectural Forum [USA], June, 1947, pp. 105-110.)

Steel framed six room bungalow with interlocking enamelled steel panels, insulated with 1½ in. fibre-glass. All site painting eliminated. Colourful appearance. Big quantities of steel required. 6 in. air space between ceiling and 2 in. insulation boards for circulation of warm air. Condensation possible.

## 20.30 construction: complete structures LOCOMOTIVE SHEDS

*New Locomotive Sheds, Avignon.* (The Architect and Building News, April 18, 1947, pp. 48-49.)

New type of engine shed, based on a principle of railway lines, radiating from a central turntable. Building of reinforced concrete and glass. Roof curved upward from the inner to the outer circumference. Rapid expulsion of smoke. External diameter 437 ft.

## 24.36 lighting BRIGHTNESS IN HOUSES.

*Studies of Illumination and Brightness in Residential Interiors.* E. W. Commyer. (Illum. Engineering [USA], Jan., 1947, p. 87.)

Theory of brightness contrast; measurements; types of light; specular and diffuse reflections. Interesting and useful article, well illustrated.

There is a good general discussion of the basis of refined lighting, and how it has to be modified to suit the present low levels of illumination in houses. Analysis develops three zones, No. 1 for the object of attention (e.g., a book or sewing), No. 2 for the immediate background, and No. 3 for the general environment. The relationship between these three is the whole basis of comfort, but not a great deal is known about the requirements. Pending further studies it is suggested that in zone 1 the brightness contrasts should be as high as possible, or at least the illumination should be in accordance with code values; zone 2 should not be brighter than zone 1 nor less than one-tenth of its brightness; zone 3 should not contain substantial areas having brightness less than one-tenth of zone 1, and near the line of vision they should not be more than ten times zone 1. The nearer zones 2 and 3 approach to zone 1, the higher the comfort will be.

In a study of an example room it is stated that when zone 1 was at its maximum in relation to the other two, the lighting seemed harsh, but that when less extremes were present, comfort was much greater.

Measurements of brightness in the example room are given and related to the observed effects. Two of the light sources used are described, one being a fluorescent cone lighting with parabolic reflectors, and the other the so-called ceiling "down-light" which is rapidly taking hold of American practice. This is a 150-watt source, in a reflector, suspended above a 3-in. aperture in the ceiling, and measurements indicate that it is capable of providing 35-175 foot candles in the region beneath.

The paper concludes with a considerable study of specular reflection from printed paper surfaces, and shows how the brightness contrasts of the lettering fall off rapidly with decreases in direct illumination.

There is no doubt that this is a line of study urgently needing development. It could be readily employed in schools of architecture for study and demonstration, but something in the nature of laboratory development work is also an important requirement. Meanwhile this article will be found of direct value to architects.

The form printed below is to assist readers requiring up-to-date information on building products and services. Complete and post it to *The Architects' Journal*, 9, 11 and 13, Queen Anne's Gate, S.W.1, and the advertisers listed will be asked to supply information direct.

## ENQUIRY FORM

I am interested in the following advertisements appearing in this issue of "The Architects' Journal"

Please ask manufacturers to send further particulars to:—

NAME .....

ADDRESS .....

A.J. 14.8.47

This feature answers any question connected with building confidentially and free of charge. Questions to the Technical Editor, *The Architects' Journal*, 9, 11 and 13, Queen Anne's Gate, S.W.1.

## QUESTIONS AND ANSWERS

### 2906 DESIGNATION OF FIRM

**Q** (1) A firm of Architects and Surveyors has three partners—one partner is qualified as an Architect and a Surveyor, one partner as a Surveyor only, and one as an Architect only. At present the firm describes itself as "John Smith & Partners, Chartered Architects & Surveyors." Is this correct and permissible?

(2) If the name of the firm were altered and each of the partners named, would it be permissible to describe the firm as "Smith, Brown & Green, Chartered Architects and Surveyors"?

**A** In either of the cases (1) and (2) the firm would be entitled to describe themselves as architects and surveyors provided that the architectural work is controlled by the architect partner or partners of the firm. This follows from Section 17 of the Architects (Registration) Act, 1931, as amended by Section 1, sub-Section 3, of the 1938 Act. In law under the Interpretation Act singular and plural are interchangeable unless the context otherwise requires.

A firm is not entitled to use the collective designation "Chartered Architects" unless each member of the firm is also a member of the Royal Institute. Similarly, it would be wrong for them to use the designation "Chartered Surveyors" unless each member is also a member of the Royal Institution of Chartered Surveyors. The correct designation would be "Architects and Surveyors" after the name of the firm, and then the appropriate description after the name of each partner.



# PRICES

*This regular feature, prepared by Davis, Belfield and Everest, Chartered Quantity Surveyors, summarises basic prices for materials and gives labour rates for the London District and Grade Classifications outside London. In the past, prices for materials have been expressed as a percentage over pre-war rates. This practice is no longer being continued as it is felt that pricing by references to pre-war standards can now be considered obsolete. Detail prices of materials are given quarterly.*

BASIC MATERIALS	BASIC PRICES AND RATES OF WAGES, 1947						
	Jan.	Feb.	March	April	May	June	July
Portland Cement (6 tons and over) .. .. per ton	55/-	55/-	55/-	55/-	55/-	55/-	56/-
Bags .. .. .. .. ..	7/-	7/-	7/-	7/-	7/-	7/-	9/-
2-in. unscreened ballast .. .. .. per yd. cu.	14/-	14/-	14/-	14/-	14/5	14/5	14/5
Fletton bricks (at station) .. .. .. per 1,000	70/-	70/-	70/-	70/-	70/-	70/-	70/-
Stoneware drain pipes (British standard, 2 tons and over).							
Standard list + .. .. .. ..	37½%	37½%	37½%	37½%	37½%	37½%	37½%
Roofing tiles .. .. .. .. .. per 1,000	90/- +	90/- +	90/- +	90/- +	90/- +	90/- +	90/- +
90% .. .. .. .. ..	90%	90%	90%	90%	90%	90%	90%
Steel joists (basic sections ex mills) .. .. per ton	£16 12s.	£16 12s.	£16 12s.	£16 12s.	£16 12s.	£16 12s.	£16 12s.
Lime greystone .. .. .. .. ..	74/9	74/9	74/9	74/9	79/9	79/9	79/9
Sheet lead (5 cwt.-1 ton lots) .. .. ..	£85	£85	£85	£106 15s.	£106 15s.	£106 15s.	£106 15s.
Iron rainwater goods and soil pipes .. .. List 3100 AB+	54%	54%	54%	54%	54%	54%	54%
White lead paint .. .. .. .. .. per gallon	36/3	38/9	38/9	42/9	42/9	42/9	42/9
<b>RATES OF WAGES (LONDON)—</b>							
Within 12 miles radius							
Craftsmen .. .. .. .. .. per hour	2/7½	2/7½	2/7½	2/7½	2/7½	2/7½	2/7½
Labourers .. .. .. .. ..	2/1½	2/1½	2/1½	2/1½	2/1½	2/1½	2/1½
From 12-15 miles radius							
Craftsmen .. .. .. .. ..	2/7	2/7	2/7	2/7	2/7	2/7	2/7
Labourers .. .. .. .. ..	2/1	2/1	2/1	2/1	2/1	2/1	2/1

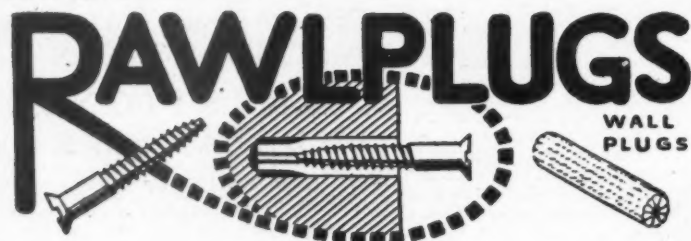
Prices of materials above include for delivery to site in the Central London Area, and the rate of wages are for London only.

Current rates of wages outside London are as follows : Liverpool and District, Craftsmen 2/7½ ; Labourers 2/1½.

## GRADE CLASSIFICATIONS

	A	A <sup>1</sup>	A <sup>2</sup>	A <sup>3</sup>
Craftsmen .. .. ..	2/6	2/5½	2/5	2/4½
Labourers .. .. ..	2/-	1/11½	1/11½	1/11

*Davis*  
F.S.I., F.I.Arb.



*Take a strain equal to a  
MILLION TIMES  
their own weight—*



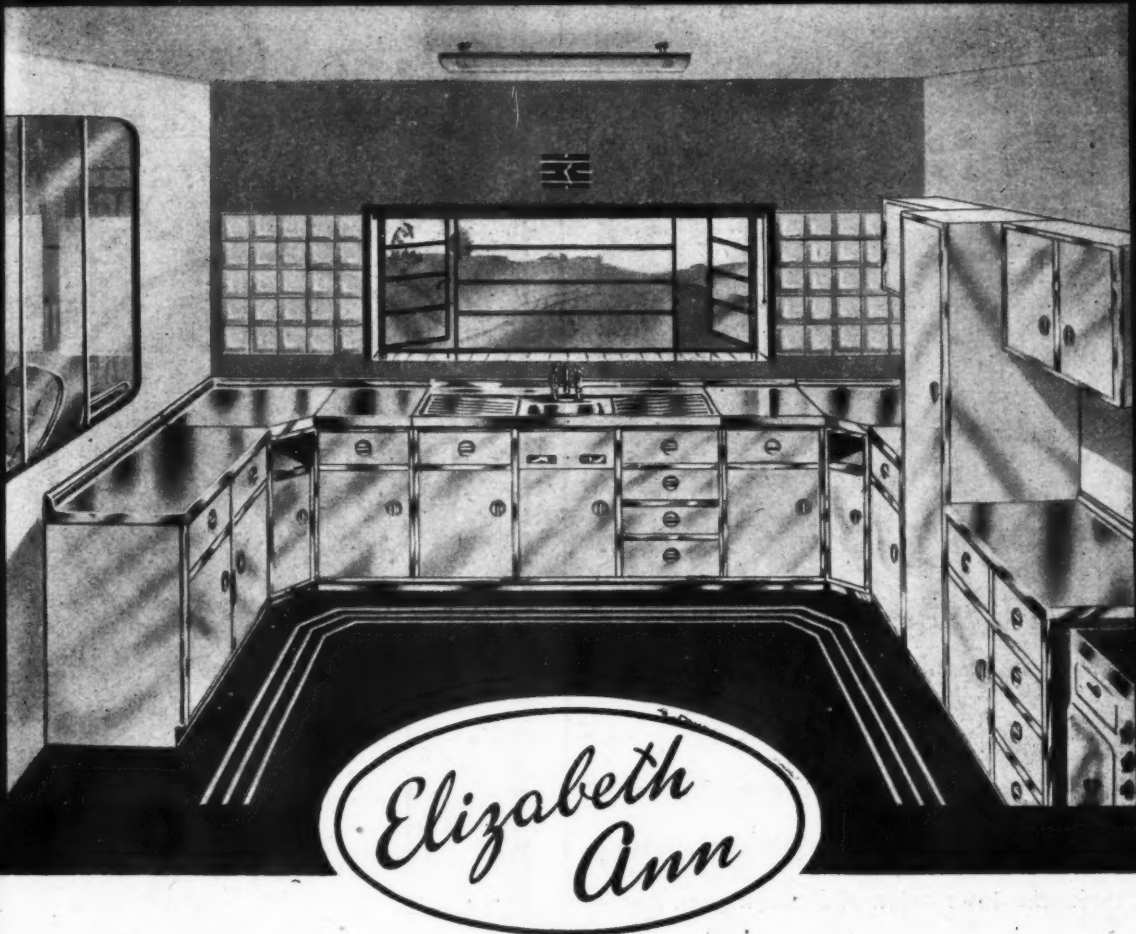
You will ensure that every screw has a permanent stronghold in Brick, Concrete, Stone, Tile, Plaster, Cement, etc., when you specify Rawlplugs. Rawlplugs grip by expansion against the solid sides of the hole, providing a clean, neat, reliable fixing. There

is a Rawlplug for every size of screw from No. 3 for light wiring to No. 28 which will take a direct strain of over 4 tons. Ask for free Rawlplug reference chart which gives interesting technical data and illustrates actual sizes of Rawlplugs.

THE RAWLPLUG Co. LTD., RAWLPLUG HOUSE, CROMWELL RD., LONDON, S.W.7

B 338





## STAINLESS STEEL KITCHEN UNITS

Elizabeth Ann Kitchen Units in brilliant Stainless Steel and lustrous enamel provides really lasting fittings for modern houses. The sinks and drainers are in one piece to eliminate any cracks or crevices and so designed to make cleaning easy. Front structures on each unit are also in stainless steel.

Long experiments have been conducted to ensure a rigidity which a number of similar products lack and it will be found that the Elizabeth Ann equipment while not heavy is constructed along the soundest engineering lines to give complete stability under all conditions, and parts are interchangeable making any replacements simple.

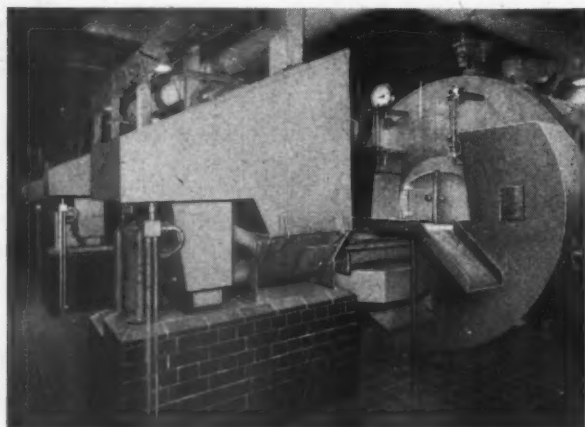
These parts constructed in mild steel are of generous gauge to prevent buckling and finished in heat treated cream enamel.

Ample toe recess in stainless steel is provided in each case, doors are hung on continuous piano type hinges chromium plated, all drawers are fitted with roller bearings.

A rigid system of inspection is carried out through every stage of manufacture and we thoroughly recommend the Elizabeth Ann Kitchen Units as the finest produced in this country. We supply standard units or make to specification. Ask for our descriptive booklet.

**ANDREWS BROS (BRISTOL) LTD. WALCOT ST. BATH**  
TELEPHONE: BATH 60251 (5 LINES). TELEGRAMS: STAINLESS, BATH.

*This boiler house of a leading Provincial Fashion House employs Iron Fireman 'F' type stokers.*



## THE COST OF STEAM

Is an important part of total production costs, affecting the price and volume of output in the highly competitive era ahead.

Resultant gains of higher fuel burning efficiency, and the ability to utilise cheaper grades of available coal, make the installation of Iron Fireman Automatic Coal Stokers a far sighted and profitable part of industrial development programmes.

## Iron Fireman

"FIRST AND FOREMOST"

### Automatic Coal Stokers



ASHWELL & NESBIT LTD., BARKBY ROAD  
LEICESTER

LONDON: 12 Great James St., Bedford Row, W.C.1. BIRMINGHAM(4):  
12 Whitcal St. GLASGOW: 103 Douglas St., E.C.2. LEEDS(6):  
32 Headingley Lane. MANCHESTER (13): 184 Oxford Road.

# BLUNDELL PAINTS

*for  
Quality*

**BLUNDELL**

It is generally recognised that Blundell's Products are pre-eminent for all decorative purposes. Our Chemists and Technicians are constantly working to ensure their high protective qualities, prolonged durability and exceptional beauty of finish.

Details will gladly be sent upon request—write today. Expert advice also given on any painting problems.

## BLUNDELL SPENCE & CO., LTD.

Manufacturers, since 1811, of quality Paints, Colours and Varnishes for all purposes.

HULL and  
9 UPPER THAMES ST., LONDON E.C.4.



## TELL-TALE CLOCK GUARDS THE £1,000,000 TREASURE

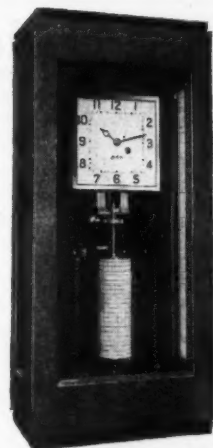
LAST night in Room 6 of the Victoria and Albert Museum, London. The tapestry is one of the £1,000,000 "Lady of the Unicorn." It is in a collection from Paris for exhibition on Friday. Beside it a man pushes a button. . . .

He is one of 15 ex-Service guards who patrol at night. At points in the galleries he pushes these buttons which connect with a tell-tale clock in the control room, and for each push a cylinder.

If no dot appears when and where the alarm is sounded. That is safe. . . .

The Gent's Tell-Tale Clock System, as described in this "Daily Express" story, gives a positive check on the movements of night patrols in such places as hospitals, banks, public buildings, stores, warehouses and industrial establishments.

Full details in publication 4H.



# GENTS OF LEICESTER

Electrical Manufacturers for 75 Years

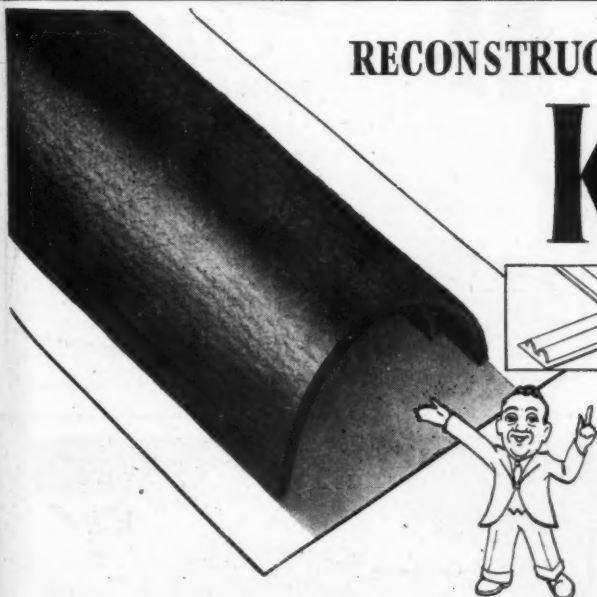
GENT & CO. LTD., FARADAY WORKS, LEICESTER

LONDON OFFICE: 47, VICTORIA STREET, S.W.1

RECONSTRUCTION... *The opportunity to instal*

# KEY FIBRE

## UNDERFLOOR DUCT WIRING SYSTEM



Used extensively in the most modern office buildings, service flats and factory premises, Key Fibre Ducts provide for all present and future electrical wiring requirements. Designed for maximum flexibility, Key Fibre Ducts can be tapped where and when required, at any time during the life of the building. Key Fibre is non-condensing and non-corrodible. Full details and specification will be supplied on application.

# THE KEY

## ENGINEERING COMPANY LTD.

4 QUEEN VICTORIA STREET,  
LONDON, E.C.4. 'Phone: CITY 2235-6

TRAFFORD PARK, MANCHESTER

'Phone: Trafford Park 1903



### 3 WEEKS DELIVERY

DENNIGLAZE is the NEW glazed sheet for bathrooms, lavatories, sculleries, etc.,

Cut to size, it drills & screws

FREE OF LICENCE

TEL: MANSION HOUSE 7961.

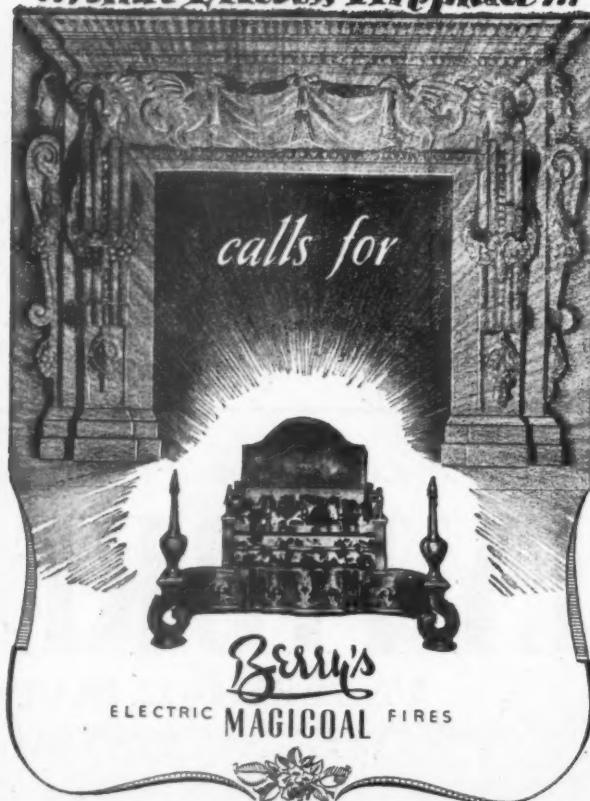
## BATH PANEL SETS in DENNIGLAZE

DENNY, MOTT & DICKSON, LTD.

Adelaide House, King William Street, London, E.C.4.

Branches at: Belfast - Birmingham - Bristol - Cardiff - Glasgow - Hull  
Liverpool - Manchester - Newcastle - Preston - Southampton

...that Lifeless Fireplace...



FOR YOUR INFORMATION RECORDS

The Clifford DOMESTIC HAND PUMP

A CLIFFORD HYDRAULIC The Clifford POWER PUMP

**Clifford**  
MODERN PUMPING EQUIPMENT

NEW TYPE ACTION provides COMPACT PUMPING EFFICIENCY for most domestic, industrial and agricultural purposes.

Precision Engineers for 35 years.  
**CLIFFORD AERO & AUTO LTD.**  
Spring Road, Hall Green, Birmingham, 11, Eng.  
Telephone: SPRINGFIELD 1164

**HILL ALDAM**  
MANUFACTURERS OF GOOD SLIDING DOORS. (ALL SYSTEMS)

**FLY-ASIDE**  
PANTHER - JAGUAR - LYNX  
INTERIOR RESIDENTIAL SLIDING DOOR GEAR  
E. HILL ALDAM & CO LIMITED  
LONDON S.W. 10

**PANTHER 1**

Phone: WIMBLEDON 8080  
Cables: Aldimilla Pat London



## PENETRATING ARGUMENT

One favours oak, the other prefers pine. One likes flush panelling, the other would rather see it moulded. But their discussions about wood usually end with a concordant vote for DRYMOL as the ideal substance for safeguarding it from fungus and termite. Deep penetration—one of many strong arguments for DRYMOL—helps to ensure a preservative effect as near permanent as possible. DRYMOL is obtainable colourless and in green, black and brown shades, each with its particular features and applications. DRYMOL colourless, for example, can be used for inside or outside work and the treated surface can be painted, varnished or polished. Ask us for full details of the complete range.

# DRYMOL

## WOOD PRESERVATIVE

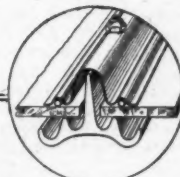
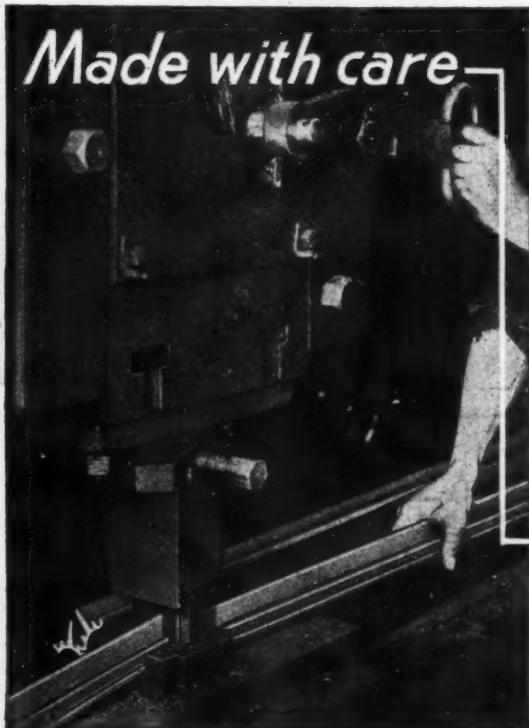
A  PRODUCT

*Dynamels Specialist Service gives you Tomorrow's Finish—Today*

DRYNAMELS LTD · SHAFTMOOR LANE · HALL GREEN · BIRMINGHAM · 28

TBW

*Made with care*



Care is in the blood of the craftsmen who make Helliwell Patent Glazing, most of whom learnt the art as boys in our works. Care starts with design, the Helliwell "Perfection" Bar, for example, is "drop dry" thanks to the special condensation channels shown in the section diagram. Care follows in each stage of their making. The photograph illustrates these bars being cut to length prior to further fabrication and galvanising. Sound design and craftsmen's care are the reasons why Helliwell "Perfection" Bars have remained in position for over 30 years without trouble and are specified with complete confidence for the most exacting requirements.

Write for information sheet giving details of Helliwell Patent Glazing Systems.

*specified with confidence*

# HELLIWELL

## patent glazing

HELLIWELL & CO. LTD., Brighouse, Yorkshire, & 68 Victoria St., London, S.W.1  
Birmingham · Bristol · Manchester · Sheffield · Hull · Glasgow · Aberdeen · Dublin

... for all electrical installations

# F. H. Wheeler

& CO., LTD.

Head Office: 39 Victoria Street, London, S.W.1. Tel: ABBey 8080 (18 Lines)

Branches Manchester, Bournemouth, Glasgow, Birmingham, Hull, Southampton, Hereford, Sheffield, Thetford, York, Bristol, Edinburgh, Aberdeen.



WHAT WILL THE OWNER  
SAY OF YOU A YEAR  
FROM NOW?

After a year of all sorts of weather will he feel that your workmanship left much to be desired? For he'll surely blame you first and inferior materials last. So protect your reputation by using only Smith & Rodger Protective Paints and Varnishes. Products include "Vitamel" Hard Gloss Paint, "VITACHARM" Flat paint for both undercoating and finishing, "Waldura" Washable Water Paint, "Vitamat" Flat Finishing Paint.

Certain of our goods are still restricted and this advertisement is intended to keep our name before our customers during a period when many items are still scarce or unobtainable.

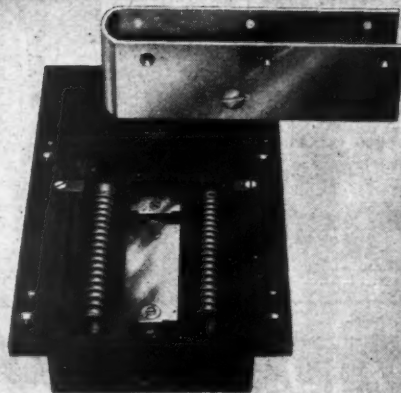
**SMITH &  
RODGER**  
PAINTS •  
VARNISHES

SMITH & RODGER LTD., ELLIOT STREET, GLASGOW.

Telephone: CITY 6341-2.

Telegrams: "SMITH RODGER," Glasgow.

## 'VICTOR' DOOR SPRINGS



No. 21. "Sceptre Victor" double-action spring. Shallow box. Oil-tight and waterproof. Tension of springs and closing speed readily adjustable.

**ROBERT ADAMS**  
(VICTOR) LTD

139 Staines Road Hounslow



## CAST STONE Window Surrounds

By using J.B. Cast stone window surrounds, if metal windows cannot be delivered in time, you can proceed with the building and insert the windows afterwards. Wood plugs can be inserted during manufacture to enable these to be fitted easily when the building is completed. The illustration shows cast stone window surrounds in Agricultural houses at Bratton, Shropshire.

**Johnston Brothers**  
(CONTRACTORS) LTD.

London Office:  
IBEX HOUSE • MINORIES • E.C.3

DOSELEY QUARRIES  
DAWLEY • SALOP



**ALL TYPES TO  
SUIT EVERY  
CONDITION**

**INDUSTRIAL FLOOR SURFACES**

1. "Ferrogran" steel-faced in situ floor in Textile factory.  
2. "Prodordur" floor tiles in Electric Power Station.  
3. Wood block flooring.  
4. "Diamonite" granolithic flooring in large manu-  
factory.

HEAD OFFICE  
& WORKS:  
**PRODORITE LTD**  
LONDON  
OFFICE:

WEDNESBURY,  
STAFFS.  
ARTILLERY  
ROW, S.W.

5. "Consol" steel anchor floor plates for very heavy  
duty.  
6. Acid-proof flooring in a Plating Department.  
7. Acid-proof flooring in a bacon factory.  
8. "Ferrogran" steel-faced floor flags for heavy  
duty.

## The Cylinder Latch that *Deadlocks*

The 'K' 146 Cylinder Deadlocking Rim Latch functions in every way as a normal cylinder latch, but a part turn in the opposite direction to unlatching deadlocks the bolt and inside control knob. Only the correct key can operate . . . it is truly the safest lock to fit.



# LOCK

### OTHER ADVANTAGES

- The outside escutcheon or rose is solid and fits flush to the door panel.
- The bolt stop is operated by a press button which cannot fall into or out of engagement.
- Interchangeable between right and left hand doors.
- The Cylinder is fitted with hardened steel protection plate which cannot be drilled.



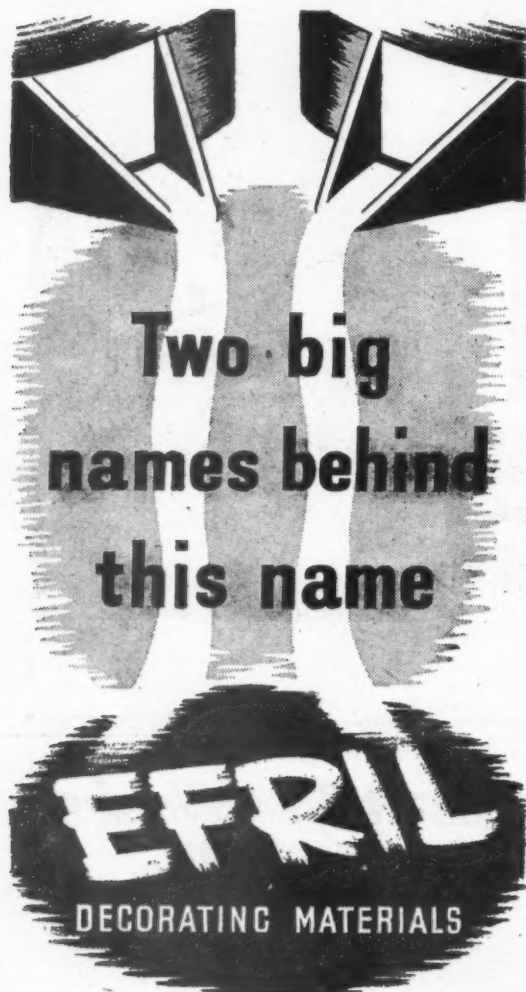
The key is easily identified in the dark. Two keys are provided with each lock, and on registration additional keys and master key equipment can be supplied.

### K. 146 CYLINDER DEADLOCKING RIM LATCH

CYRIL KIEFT & CO. LTD., BRIDGEND, SOUTH WALES. PHONE BRIDGEND, 950.

**E. & F. RICHARDSON  
LIMITED**

**NORMAN, SMEE  
& DODWELL LTD**



**Two big  
names behind  
this name**

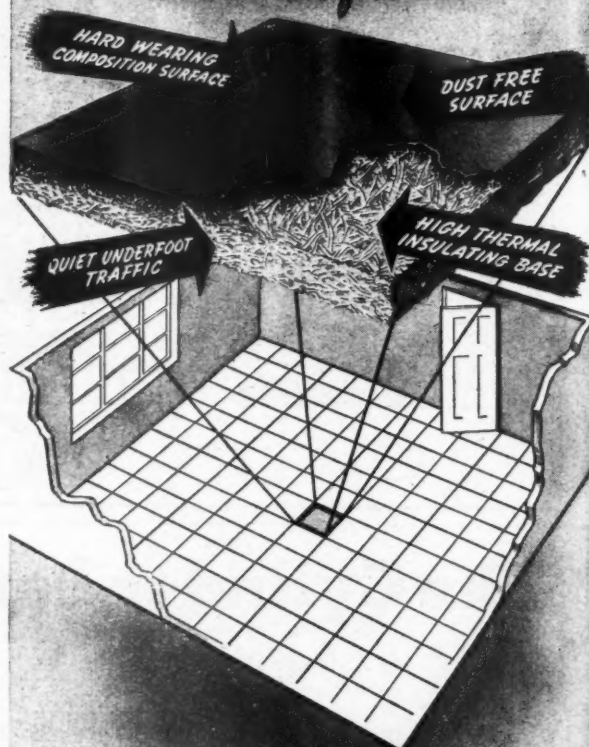
The EFRIL Sales Organisation comes from the union of two old-established Varnish and Enamel manufacturers. Under the EFRIL name professional users of paint have a complete range of high-quality decorating materials at their disposal. Service is nation-wide; you will be hearing a lot more about EFRIL!

**The EFRIL SALES ORGANISATION**

GLASGOW MANCHESTER BIRMINGHAM LONDON  
19, Cadogan St. 79, Piccadilly. 214, Corporation St. 46, Baker St.

**The NEW BIG NAME IN  
DECORATING MATERIALS**

**"SECOFLOR"**  
FLOOR TILES  
*The ideal alternative  
to wooden floors*



SECOFLOR Floor Tiles provide a non-slip surface free from dusting and splintering, which is easy to keep clean. It is quiet under foot traffic, because of the resilient insulating material to which it is bonded. It has good resistance to wear, abrasion and impact, and is not affected by water. Available in a warm shade of brown. Architects wishing to know more about Secoflor tiles should write to Building Materials Division.

**"SECOLITH"** WOOD WOOL  
BUILDING SLABS  
For ceilings, walls and internal partitions. High thermal and sound insulating properties. Excellent base for plastering and cement rendering.

**UNI-SECO LTD.**

UNI-SECO LTD. 25 UPPER BROOK STREET LONDON W.1. Phone MAYFAIR 9080

## Yet another example of

## McNEILL'S roofing!



It's another official contract for McNeill's specialised waterproof covering. McNeill's handle many jobs like this because for years they have specialised in the *absolute* waterproofing of flat roofs. COMBINITE—the McNeill Bituminous Roofing can be surface finished in Bitumen, Macadam, Slate granules or grit and prepared to any specification.

If you have any roofing insulation work, consult McNeill's at the planning stage—our experience may be useful to you.

McNEILL'S

## COMBINITE COMPLETE WATERPROOFING

FOR FLAT OR PITCHED ROOFS.

F. McNEILL & CO. LTD.,

10, Lower Grosvenor Place, London, S.W.1

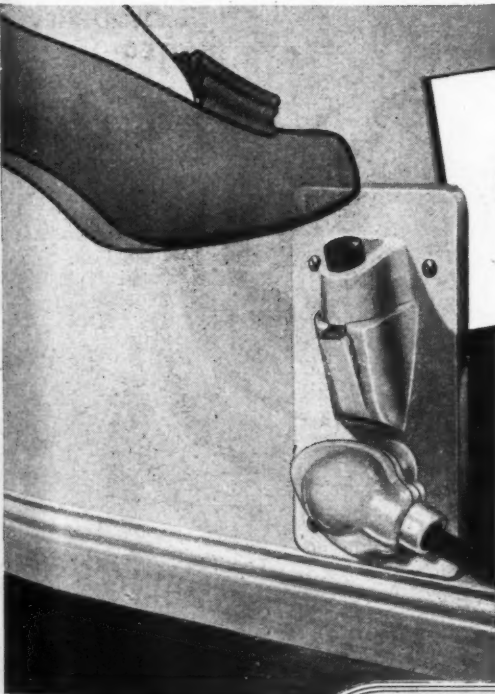
Factories: London, Manchester & Glasgow

Telephone: VICTORIA 6022

Telegrams: "Eyeball" London



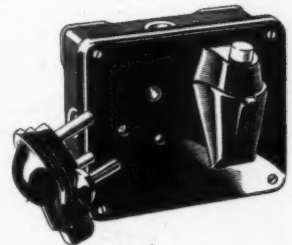
Now exhibiting at the Building Centre, London, W.1.



A  
**CLIX**  
PRODUCT

*Designed for  
Convenience!*

Designed for ease and convenience this 15A 3-pin B.S.546 switch-socket outlet for flush mounting is smooth and modern in appearance and sturdy in construction. Insulation is ample and maintenance negligible. Available in horizontal and vertical designs.



**THE GENERAL ACCESSORIES CO. LTD.**

21 Bruton Street, London, W.1. Tel: MAYfair 5543 (5 lines). Grams: Tegenacco, Wesdo, London





**INTRODUCING  
THE NEW**

**H-B**

**SAND FACED**

Produced by

THE

**HAMMILL BRICK CO LTD**

EASTRY • SANDWICH • KENT

Specialists in the manufacture of  
PRESSED FACING BRICKS • SAND FACED •  
PAVERS • SPECIALS & ARCHITECTS' REQUIREMENTS

TELEPHONE • EASTRY 247 FOR SAMPLES

ATO 147

*The New Star in*  
**SANITARY EQUIPMENT**



A NEW STANDARD OF EFFICIENCY IN  
**W.C. CISTERNS**

*including High & Low Level models in*  
**MOULDED PLASTIC**

**SHIRES & CO.  
(LONDON) LTD.**

Mfrs. of Sanitary Equipment  
Norman Bldgs., Central St.,  
LONDON, E.C.1.  
CLERKENWELL 6384 (5 lines)

• Literature on request  
• Prompt delivery through Plumbers' & Builders' Merchants.

**SELF-ADHESIVE  
TAPE**

Protects the edges of baths,  
basins and other prefabricated  
house components in transit  
from factory to job. Easily  
removable. No deposit left  
on delicate surfaces.



**ENQUIRIES  
INVITED**

**SAMUEL JONES & CO. LTD**

16-17 NEW BRIDGE STREET, E.C.4. PHONE: CENTRAL 6500



## CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

## Public and Official Announcements

6 lines or under, 10s.; each additional line, 1s. 6d.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. Address: 75, Essex Place, London, S.W.1. TEL. SLOANE 5615. 991

LONDON COUNTY COUNCIL.  
COUNTY OF LONDON PLAN—VACANCIES  
FOR PLANNING STAFF.

Applications are invited for positions in the following grades:—

PLANNING OFFICER, Grade III, up to £700 a year.

TECHNICAL ASSISTANT, up to £580 a year. Commencing rate according to qualifications and experience. Opportunities for competing for permanent appointment and promotion. Successful candidates will be supernumerary.

The planning work involved includes assistance in the detailed development of Reconstruction Area schemes and the preparation of revised zoning plans.

A knowledge of current town planning legislation is desirable in all cases, and candidates for Grade III positions should possess architectural, surveying or town planning qualifications.

Application forms obtainable from Architect to the Council, County Hall, S.E.1 (enclose stamped addressed envelope), returnable not later than 10 days from this date.

Canvassing disqualifies. (1680) 535

COUNTY OF DEVON.  
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff in accordance with National Scale of Salaries:—

(a) THREE ASSISTANT ARCHITECTS.

A.P.T. Grade III. Salary £390-£435 per annum.

(b) ASSISTANT ESTIMATOR AND SURVEYOR, A.P.T., Grade III. Salary £390-£435 per annum.

The salaries are subject to the addition of cost-of-living bonus, at present £59 16s.

Candidates for (a) must be fully qualified and possess a sound experience in the design and maintenance of all types of buildings carried out by a large Local Authority.

Candidates for (b) should have passed at least the Intermediate Examination of the Royal Institute of Chartered Surveyors (Quantities Sub-division), and be capable of undertaking preparation of detailed estimates, taking off quantities from drawings for variations; preparation and settlement of final accounts and the general technical duties in the Estimating Section of the County Architect's Department.

Applications, stating age, qualifications and experience, accompanied by not more than three recent testimonials, should be sent to the County Architect, 97, Heavitree Road, Exeter, not later than Wednesday, the 27th August, 1947.

The appointments will be subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination.

H. A. DAVIS,  
Clerk of the County Council.

The Castle, Exeter.  
18th July, 1947. 945

BOROUGH OF WALTHAMSTOW.  
BOROUGH ARCHITECT'S DEPARTMENT.  
ASSISTANT ARCHITECT.

Applications are invited for the permanent position of Assistant Architect, at a salary in accordance with Grade III of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, £390, rising to £435 by annual increments, plus London weighting allowance, according to the scale, and cost-of-living bonus, at present £59 18s. 3d. per annum.

Applicants must have had experience in the preparation of working and detail drawings for housing schemes.

The appointment will be subject to the Local Government Superannuation Act, 1937, to the National Joint Council's Conditions of Service, to the successful candidate passing a medical examination, and to termination by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by names and addresses of three referees to whom reference may be made, must reach the undersigned, endorsed "Assistant Architect," not later than 29th August, 1947.

Canvassing in any form will be deemed a disqualification, and applicants must disclose any relationship to any member of the Council or holder of any senior office under the Council.

G. A. BLAKELEY,  
Town Clerk.  
Town Hall, Walthamstow, E.17. 568

## CITY OF COVENTRY.

Applications are invited for the following whole-time appointments on the permanent staff of the City Architectural Department:—

(a) TWO ASSISTANT ARCHITECTS, one vacancy each in the Housing and Education Sections.

Salary, Grade A.P.T. V, commencing at £460 per annum and rising to £510 per annum. Candidates should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

It is hoped that accommodation may be made available for a suitable married applicant for the Housing Section vacancy.

(b) ONE ASSISTANT ARCHITECT.  
Salary, Grade A.P.T. III, commencing at £390 per annum and rising to £435 per annum.

(c) ONE ASSISTANT ARCHITECT.

Salary, Grade A.P.T. II, commencing at £360 per annum and rising to £405 per annum.

(d) ONE SENIOR ASSISTANT QUANTITY SURVEYOR.

Salary, Grade A.P.T. V, commencing at £460 per annum and rising to £510 per annum. Candidates should be Professional Associates of the Royal Institution of Chartered Surveyors (Quantities Division).

Salary increments are subject to satisfactory service. The above salaries are exclusive of the Council's cost-of-living bonus, which may vary, but which at present amounts to 23s. per week.

The posts are subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1935, and a satisfactory certificate will be requisite from the Council's medical referee. The successful male applicants will be required to contribute to the Coventry Municipal Officers', Widows' and Orphans' Pension Fund.

Applications must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Tuesday, the 26th August, 1947.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON,  
City Architect.  
1A, Warwick Row, Coventry.  
7th August, 1947. 991

METROPOLITAN BOROUGH OF  
HAMPSHIRE.  
APPOINTMENT OF CHIEF ARCHITECTURAL  
ASSISTANT (A.P.T. VII-VIII).

HOUSING ARCHITECT'S SECTION.  
BOROUGH ENGINEER AND SURVEYOR'S  
DEPARTMENT.

Applications are invited for the appointment of Chief Architectural Assistant, on the permanent staff of the Housing Architect's Section of the Borough Engineer and Surveyor's Department, at a salary in accordance with Grades VII-VIII of A.P.T. Division, National Scales of Salaries, £575-£700 per annum, plus £20 London weighting and bonus at present £59 16s. per annum. Age limit: 45 years of age on 1st June, 1947.

Applicants must be Registered Architects and also qualified by examination. A knowledge of Town Planning will also be considered an advantage.

Applications, stating (a) age, (b) examination qualifications, (c) present and past appointments with dates and salaries, (d) detailed particulars of experience, and accompanied by copies of three recent testimonials, must be delivered to me in a sealed envelope endorsed "Chief Architectural Assistant," not later than 12 noon on Monday, 25th August, 1947.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The conditions of service are those in the National Scheme for Local Government Officers, and the appointment will be terminable by one calendar month's notice on either side.

Canvassing will disqualify.

P. H. HARROLD,  
Town Clerk.  
Town Hall, Haverstock Hill, N.W.3.  
July, 1947. 509

COUNTY BOROUGH OF BURNLEY.  
BOROUGH ENGINEER AND SURVEYOR'S  
DEPARTMENT.

Applications are invited for the appointment of SENIOR ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade V of the National Scales, viz., £460-£510, plus bonus, at present £59 16s. per annum. The commencing salary will be fixed in accordance with experience and qualifications.

Applicants should have had experience in the design of Educational Buildings, and preference will be given to Associates of the Royal Institute of British Architects.

Conditions of service are those formulated by the National Joint Council, and the appointment is on the established staff and subject to the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Forms of application may be obtained from the Borough Engineer and Surveyor, Town Hall, Burnley, to whom applications should be returned in the envelope provided, not later than noon on Monday, the 25th August, 1947.

C. V. THORNEY,  
Town Clerk.  
Town Hall, Burnley.  
28th July, 1947. 505

## CORPORATION OF LONDON.

CITY SURVEYOR'S OFFICE.

## APPOINTMENT OF TECHNICAL STAFF.

Applications are invited for the following appointment in the City Surveyor's Office:—

ASSISTANT ARCHITECT AND SURVEYOR.  
Salary up to £475 p.a. (inclusive of consolidated bonus), according to age, qualification and experience.

The applicant should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects or Associate Membership of the Royal Institute of Chartered Surveyors (Building Sub-division).

The appointment is for the present on a temporary basis, and will be concerned principally with the reinstatement of war damage to a variety of types of properties. In the event of establishment to the permanent staff temporary service will count for the purpose of superannuation. Such appointment will be subject to the provisions of Local Government Superannuation, and applicants will be required to pass a medical examination.

Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., City Surveyor, 55-61, Moorgate, E.C.2, giving the following particulars: Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials.

979

COUNTY OF LINCOLN—PARTS OF  
KESTEVEN.

## COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of ASSISTANT ARCHITECT, in the above Department.

Salary will be in accordance with Grade VI of the A.P.T. Division of the National Scales, i.e., £535, rising by annual increments of £20 and £25 to a maximum of £600 per annum, plus cost-of-living bonus of £59 16s. per annum. Travelling and subsistence allowances will be paid on the Council's scales.

A.R.I.B.A. or similar qualification, is essential, and experience in Educational and General County work is desirable.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, to a satisfactory medical certificate, and to termination by three months' notice in writing on either side.

Applications, stating age, experience, and qualifications, present appointment and salary, together with copies of two recent testimonials, should be received by the undersigned not later than the 30th August, 1947.

Canvassing, either directly or indirectly, will disqualify.

J. R. BLOW,  
Clerk of the County Council.  
County Offices, Stamford, Lincs. 507

CITY AND COUNTY OF THE CITY OF  
EXETER.

Applications are invited for the appointment of SENIOR ASSISTANT ARCHITECT, on the permanent staff of the City Architect's Department.

The salary will be within A.P.T., Grade V, £460 per annum, rising to £510 per annum. Cost-of-living bonus, at present £59 18s. 3d. per annum, will also be paid.

Housing accommodation will be found for the successful applicant.

Candidates should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications, and preference will be given to candidates who have had considerable experience in Municipal, Educational, and other work.

The appointment will be subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination. Canvassing will disqualify, and candidates must disclose whether, to their knowledge, they are related to any member of the Council or to the holder of any senior office under the Council.

Applications, stating age, qualifications, previous and present appointments and salaries, full details of experience, and the earliest possible date when available, together with copies of recent testimonials, should be sent to H. B. Rowe, F.R.I.B.A., A.M.I.Struct.E., City Architect, 2, Southernhay West, Exeter, not later than 25th August, 1947.

C. J. NEWMAN,  
Town Clerk.  
528

## COUNTY BOROUGH OF DARLINGTON.

## BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, A.P.T. Grade V (£460-£510), plus cost-of-living bonus of £59 18s. 3d. per annum.

Preference will be given to candidates with experience on Housing and Education work and to those who have passed the Associateship Examination of the Royal Institute of British Architects.

Forms of application can be obtained from E. A. Tornbohm, A.R.I.B.A., A.M.T.P.I., Borough Architect, Central Buildings, Darlington, and should be delivered to the Town Clerk, Houndgate, Darlington, on or before the 27th August, 1947. 515



**SURREY COUNTY COUNCIL.  
COUNTY ARCHITECT'S DEPARTMENT.  
ASSISTANT BUILDING SURVEYOR.**

Applications are invited for the appointment of an Assistant Building Surveyor, Grade V, at a commencing salary of £460, rising by annual increments of £15/20 to a maximum of £510 per annum, plus London allowance of £20, and cost-of-living bonus, at present £59 15s. per annum.

Applicants must possess approved qualifications and experience, and preference will be given to those who are members of the Royal Institution of Chartered Surveyors (Building Sub-Division). They should be capable of drafting specifications in all trades, preparing schedules of dilapidations, the preparation of detailed estimates for general maintenance works, and surveys of properties.

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 23rd August, 1947.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

**DUDLEY AUKLAND,**

*Clerk of the Council.*

County Hall, Kingston-upon-Thames. 506

**LANCASHIRE COUNTY COUNCIL.  
COUNTY PLANNING OFFICER.**

Applications are invited for the appointment of County Planning Officer, at a salary at the rate of £2,000 per annum, plus current cost-of-living bonus.

Applicants must possess organizing and administrative ability, and have had wide experience in the preparation and administration of planning schemes.

The appointment will be subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications and experience, and giving the names and addresses of three persons to whom reference may be made, should be sent to the undersigned in sealed envelopes, endorsed "County Planning Officer," by not later than the 30th August, 1947.

**B. H. ADCOCK,**

*Clerk of the County Council.*

County Offices, Preston. 501  
31st July, 1947.

**LEITCHWORTH URBAN DISTRICT COUNCIL.  
ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, in the Surveyor's Department of the Council, at a salary in accordance with Grade IV of the Scheme of Conditions of Service laid down by the National Joint Council for Local Authorities' Professional, Technical and Clerical Services, plus cost-of-living bonus, at present £59 15s. per annum. The commencing salary will be determined according to the qualifications and experience of the successful candidate. The person appointed will be engaged in connection with the erection of new houses, and will be required to prepare reports for and attend meetings of the Housing Committee of the Council.

The appointment will be subject to (1) the provisions of the Local Government Superannuation Act, 1937, (2) the National Scheme of Conditions of Service, (3) the passing of a medical examination, and (4) termination by one month's written notice on either side.

Applicants must be Registered Architects and Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications, and should have experience of housing work and building construction.

Applications, accompanied by copies of not more than three recent testimonials, must be received by the undersigned not later than the 25th August, 1947.

Applicants must state whether to their knowledge they are related to any member or to any senior officer of the Council.

Canvassing, either directly or indirectly, will be deemed a disqualification.

**J. D. ROWLAND,**

*Clerk and Solicitor.*

The Council House, Leitchworth. 514  
29th July, 1947.

**COUNTY BOROUGH OF HALIFAX.  
BOROUGH ENGINEER'S DEPARTMENT.**

Applications are invited for the appointment of JUNIOR ARCHITECTURAL ASSISTANT, at a salary of £315, rising to £360 per annum, in accordance with Grade II (Miscellaneous Division) of the National Scale. Applicants should be trained Architects, capable of assisting in the preparation of schemes for and the supervision of architectural work. They must be neat draughtsmen, and a recognized architectural qualification will be considered an advantage.

The appointment will be subject to the conditions of service adopted by the Corporation and to the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, present position and salary and experience, accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than Saturday, 6th September, 1947.

**W. USHER,**

*Town Clerk.*

Town Hall, Halifax. 529  
31st July, 1947.

**CROWN AGENTS FOR THE COLONIES.**

Applications from qualified candidates are invited for the following post:—

**SENIOR QUANTITY SURVEYOR** required by the Government of Tanganyika Territory, Public Works Department, for a tour of two to three years with prospects of permanency. Commencing salary according to experience in the scale £980-£1,000. Plus cost-of-living allowance up to £130 a year. Free passages and quarters. Candidates must be Chartered Quantity Surveyors, and have had considerable experience in all aspects of the work, including experience in town planning and civil engineering works. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/18223 on both letter and envelope. 560

**GOVERNMENT OF NORTHERN IRELAND.  
ASSISTANT ARCHITECT.**

Applications are invited for posts of Assistant Architect, in the Ministry of Health and Local Government. The appointments will be temporary, but so far as can be foreseen will last for several years.

Remuneration Successful candidates will be remunerated within one of the following salary ranges:—

Range A—£550-£800 per annum.

Range B—£400-£650 per annum.

and the commencing salary within these ranges will be fixed in each case according to qualifications and experience. In addition a war bonus, varying between £78 and £90 per annum, is at present payable.

Qualifications Candidates must be Registered Architects by examination. In addition they should have experience in up-to-date house design and construction, and some aptitude for research into comparative standards of design and construction.

Preference will be given to candidates who served with H.M. Forces during the 1914-18 or 1939-45 war, providing the Ministry is satisfied that such candidates can, or within a reasonable time will be able to, discharge the duties of the post efficiently.

Closing date for receipt of applications: Applications must reach the Assistant Secretary (Establishments), Ministry of Finance, Stormont, Belfast, on or before the 18th August, 1947.

Applicants should state date of birth, give full particulars of qualifications and experience, and enclose copies of two recent testimonials. 563

**ESSEX EDUCATION COMMITTEE.  
SOUTH-EAST ESSEX TECHNICAL COLLEGE  
AND SCHOOL OF ART.**

Applications are invited from suitably qualified persons for the post of LECTURER IN SURVEYING AND BUILDING CONSTRUCTION, for courses leading to the examinations of the R.I.C.S. and R.I.B.A. A knowledge of Architecture will be an advantage; a part-time appointment would be considered.

Salary in accordance with the Burnham Technical Scale (£390-£415 to £525 for men, and £270-£315 to £420 for women) together with London allowance and other additions which are applicable. Up to a maximum of 10 increments may be allowed for suitable professional experience.

Further particulars and forms of application are obtainable from the Clerk to the Governors, South-East Essex Technical College, Longbridge Road, Dagenham, to whom completed applications must be returned by the 30th August.

**B. E. LAWRENCE,**

*Chief Education Officer.*

County Offices, Chelmsford. 548

**UXBRIDGE URBAN DISTRICT COUNCIL.  
ENGINEER'S AND SURVEYOR'S DEPARTMENT.**

**APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the above appointment, on the unestablished staff of the Council, at a salary in accordance with Grade III of the A.P.T. Division of the National Scale (£410 to £455 per annum, including London weighting, plus cost-of-living bonus, at present £59 15s.). Applicants should be Registered Architects, with a good general architectural experience, especially in the design of small dwellings, and preference will be given to applicants holding a recognized professional qualification.

The appointment will be subject to the National Joint Council Scheme of Conditions of Service, to the provisions of the Local Government Superannuation Act, 1937, to the passing of a medical examination, and to one month's notice on either side. Applications, endorsed "Architectural Assistant," stating age, whether married or single, present and previous appointments, qualifications, and giving details of experience, together with the names and addresses of three persons to whom reference may be made, should be forwarded to H. E. G. Stripp, Esq., A.M.I.C.E., F.S.I., Engineer and Surveyor, 263, High Street, Uxbridge, not later than 6th September, 1947. Candidates are required to disclose in writing whether to their knowledge they are related to any member or senior officer of the Council. Canvassing, either directly or indirectly, will disqualify.

**JOHN POOLE,**

*Clerk of the Council.*

Council Offices, Uxbridge. 562  
5th August, 1947.

**HERTFORDSHIRE COUNTY COUNCIL.  
COUNTY PLANNING DEPARTMENT.**

Applications are invited for the following appointments in the above Department:—

(a) TWO SENIOR PLANNING ASSISTANTS. Salary, Grade VIII of the A.P.T. Scales (£625 to £700 p.a.).

(b) FOUR PLANNING ASSISTANTS. Salary, Grade VI of the A.P.T. Scales (£535 to £600 p.a.).

(c) FOUR PLANNING ASSISTANTS. Salary, Grade V of the A.P.T. Scales (£460 to £510 p.a.).

(d) TWO PLANNING ASSISTANTS. Salary, Grade IV of the A.P.T. Scales (£420 to £465 p.a.).

(e) TWO PLANNING ASSISTANTS. Salary, Grade II of the A.P.T. Scales (£360 to £405 p.a.).

The above salaries do not include the cost-of-living bonus at present being paid by the County Council, at the rate of £59 15s. per annum.

The appointments are subject to the production of a satisfactory medical certificate and to the provision of the Local Government Superannuation Act, 1937.

Applicants for appointment (a) must have had considerable planning experience in both urban and rural areas, including the collection and analysis of survey material necessary to the planning of those areas, and also including planning research work.

Applicants for appointments (b), (c) and (d) should also have had considerable experience in the preparation of planning proposals for urban and rural areas, in the collection of survey material and of interim development administration in such areas.

Applicants for appointment (e) should have had sound practical planning experience in the preparation of schemes and in the collection and presentation of survey material.

Preference will, in all cases, be given to persons who, in addition to being members or associate members of the Town Planning Institute, hold other suitable professional qualifications. It will be an advantage if applicants have had previous experience with a County Council or Executive Joint Planning Committee.

Application forms may be obtained from the undersigned, to whom they must be returned by not later than Saturday, 6th September, 1947. Canvassing, either direct or indirect, will disqualify.

**ELTON LONGMORE,**

*Clerk of the County Council.*

County Hall, Hertford. 566

**ARCHITECTURAL ASSISTANTS REQUIRED  
BY MINISTRY OF WORKS.**

Applications are invited to fill vacancies for Drawing Office duties in London. Gross emoluments up to £550 per annum, according to qualifications and experience.

The appointments, which offer good opportunities for advancement, are in the first place to an unestablished capacity, with the possibility of permanent appointment. Work is varied, giving ample scope to those seeking further experience in the design of all types of buildings.

Applicants should have had a recognized full period of training and experience with a practising Architect or Local Authority, etc.

Apply in writing, giving age, details of training and experience, to Chief Architect, W.G.10, Ministry of Works, Abell House, John Islip Street, London, S.W.1.

Ministry of Works. 590

**MINISTRY OF WORKS.  
VACANCIES FOR FEMALE TRACERS.**

Applications are invited to fill the above vacancies in London. The posts are in an unestablished capacity, but there is possibility of permanent appointment later.

The gross emolument for a 4½ hour week, including meal times, from approximately 62s. per week at age of 18 to 95s. per week at age of 27. Consideration would also be given to Learner Tracers below the age of 18 at correspondingly lower rates of pay who have had some experience of tracing. Those without any experience cannot be considered.

The vacancies exist in the Mechanical, Electrical, Sanitary and Structural Engineering Divisions. Apply in writing, giving full details of age and experience, to Ministry of Works, W.G.10, Abell House, John Islip Street, London, S.W.1.

Ministry of Works. 594

**WEDNESFIELD URBAN DISTRICT COUNCIL.  
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, in the Engineer and Surveyor's Department, at a salary in accordance with A.P.T., Grade III, of the National Scale or according to qualifications, plus cost-of-living bonus, at present £59 15s. per annum.

Applicants should be Registered Architects, and preference will be given to Associates of the Royal Institute of British Architects. A good general experience is required, particularly in the preparation of drawings and specifications for Municipal Housing Schemes. A knowledge of quantities would be an advantage.

The appointment is superannuable, and terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must reach the undersigned not later than 25th August, 1947.

**S. R. WRIGHT,**

*Clerk of the Council.*

533



**BRECONSHIRE JOINT PLANNING COMMITTEE.**

Applications are invited for the post of **TECHNICAL ASSISTANT** to the above Committee, at a salary in accordance with Grade III of the A.P. and T. Division of the National Scale of Salaries (£290 per annum, rising by annual increments of £15 per annum to £435 per annum), plus cost-of-living bonus, at present £59 16s. per annum.

Preference will be given to applicants who have passed the Intermediate Examination of the Town Planning Institute, and have practical experience of the preparation of planning schemes and Interim Development control.

The post is superannuable, and is terminable by one month's notice on either side.

Canvassing, directly or indirectly, will definitely disqualify the candidate for the appointment.

Applications, stating age, qualifications and experience, with the names and addresses of two referees, should reach the undersigned not later than 26th August, 1947.

C. M. S. WELLS,

Clerk of the Committee.

County Hall, Brecon.

544

**BOROUGH OF BARKING. DEPARTMENT OF THE BOROUGH ARCHITECT.**

**APPOINTMENT OF ASSISTANT ARCHITECT (PERMANENT) AND ASSISTANT FOR CIVIL BUILDING CONTROL (TEMPORARY).**

Assistant Architect, Grade A.P.T. II, £380 by £15 to £425, plus bonus, £59 19s. 4d. per annum. Applicants should preferably be members of the Royal Institute of British Architects.

Civil Building Control Assistant, Grade A.P.T. II, £380 by £15 to £425, plus bonus of £59 19s. 4d. per annum. Candidates should be experienced in the examination of applications for building licences and controlled materials under the "Control of Civil Building Regulations" works.

The appointments will be subject to the National Joint Council's Conditions of Service, the rules and regulations adopted by the Council from time to time, the Local Government Superannuation Act, 1937, and satisfactory medical examination. The persons appointed will be required to be members of their appropriate Trade Union or Association.

Forms of application may be obtained from the Borough Architect, Town Hall, Barking, and must be returned to the undersigned not later than 8th September, 1947.

E. R. FARR,

Town Clerk.

Town Hall, Barking.

553

**BOROUGH OF MORLEY. HOUSING COMMITTEE.**

**ARCHITECTURAL ASSISTANT.** Applications are invited for the following appointments, in the Housing Director's Office, M. H. Brook, A.R.I.B.A.

(i) **CHIEF ARCHITECTURAL ASSISTANT.** Grade V, £460, rising to £510 per annum, plus cost-of-living bonus, £59 15s., and car-allowances, in accordance with the Council's scales.

(ii) **ARCHITECTURAL ASSISTANT.** Grade III, £390, rising to £435 per annum, plus cost-of-living bonus, £59 15s.

Candidates should be suitably qualified and have an all-round experience of housing and general architectural work, draughtsmanship, etc. The successful candidates will be required to pass a medical examination for the purposes of the Corporation's Superannuation Scheme. Sympathetic consideration will be given for the provision of housing accommodation if required.

Applicants, stating age, qualifications, experience, and when at liberty to commence duties, together with copies of two recent testimonials, to reach the undersigned not later than the first post (Monday), 25th August, 1947.

E. V. FINNIGAN,

Town Clerk.

Town Hall, Morley.

555

**COUNTY BOROUGH OF BARROW-IN-FURNESS.**

**BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.**

Applications are invited for the following permanent appointment: **TWO SENIOR ASSISTANT ARCHITECTS.** Grade VI, £535-£600 per annum.

Candidates must be Associates of the R.I.B.A., and have had considerable experience on housing, schools and general municipal buildings.

In respect of this post a temporary bonus of £20 16s. per annum is payable in addition.

The Council is prepared to make housing accommodation available if required by the successful applicants.

Appointments will be subject to (1) the National Scheme of Condition of Service; (2) the provisions of the Local Government Superannuation Act, 1937; (3) termination by one month's notice on either side; (4) the successful candidates passing a medical examination; and (5) becoming a member of the appropriate Trade Union.

Forms of application may be obtained from the Borough Engineer and Surveyor, Town Hall, and must be completed and returned to him not later than Saturday, 30th August.

No candidate summoned for interview who is not prepared to accept the position without qualification, whether it be offered to him or not, will be paid his expenses.

Canvassing in any form will disqualify.

W. LAWRENCE ALLEN,

Town Clerk.

County Hall, Barrow.

558

**WEST SUFFOLK COUNTY COUNCIL.**

Applications are invited for the under-mentioned appointments in the County Architect's Department. Salaries as indicated in accordance with the National Joint Council Salary scales, plus war bonus (at present £50 per annum); position on scales according to qualifications, etc.:

(a) **ENGINEERING ASSISTANT, A.P.T.,**

Grade VI (£535-£600).

(b) **ASSISTANT ARCHITECT, A.P.T.,** Grade V (£460-£510).

Travelling allowance in accordance with County Scale.

Candidates in respect of (a) must be fully experienced in the design and supervision of modern heating, hot water, and ventilation systems of all types for local authority buildings, and possess sound knowledge of all mechanical equipment connected therewith. Preference will be given to candidates who have also had experience in design of electric lighting and power installation.

Candidates in respect of (b) must be Registered Architects, preferably Associates of the Royal Institute of British Architects. They must be thoroughly experienced in architectural design and capable of preparing preliminary sketch plans, complete working drawings and specifications, without supervision.

The appointments will be terminable by one month's notice in writing on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination.

Forms of application may be obtained from the undersigned, by whom applications, accompanied by three recent testimonials, should be received not later than Tuesday, 9th September, 1947.

L. G. H. MUNSEY,

Clerk of the County Council.

Shire Hall, Bury St. Edmunds.

532

**BOROUGH OF STOCKTON-ON-TEES.**

**BOROUGH ARCHITECT'S DEPARTMENT.**

**APPOINTMENT OF BOROUGH ARCHITECT.**

Applications are invited for the above-named appointment, at a salary of £700-£800 p.a., plus cost-of-living bonus, at present £59 16s. Applicants must have had experience in departmental administration in Local Government, be Registered Architects and Associates R.I.B.A.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, experience and previous appointments and salaries, accompanied by copies of three recent testimonials, must reach the undersigned not later than 10 a.m. on Monday, 1st September, 1947.

ERIC BELLINGHAM,

Town Clerk.

Barclays Bank Chambers, Stockton-on-Tees.

1st August, 1947.

536

**SOUTHAMPTON COUNTY BOROUGH.**

**BOROUGH ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments:—

(1) **SENIOR ASSISTANT ARCHITECT (HOUSING),** Grade VI, £535-£600.

(2) **SENIOR ASSISTANT ARCHITECT (SCHOOLS),** Grade VI, £535-£600.

Preference will be given to candidates who have passed examinations for membership of the Royal Institute of British Architects, and qualifications in Town Planning will be considered an advantage.

(3) **TWO ASSISTANT ARCHITECTS (HOUSING),** Grade III, £390-£435.

(4) **ONE ASSISTANT ARCHITECT (SCHOOLS),** Grade III, £390-£435.

All the above-mentioned posts are permanent and pensionable, and subject to a cost-of-living bonus, amounting to £59 19s. 4d. per annum.

(5) **THREE JUNIOR ARCHITECTURAL ASSISTANTS (TEMPORARY),** £65-£200 per annum, according to age, plus cost-of-living bonus.

Preference will be given to Probationers or Students of the Royal Institute of British Architects who intend to qualify for Associate Membership and become Registered Architects.

Applications in writing, stating age, qualifications and experience, and enclosing copies of two recent testimonials, should be sent to Denis Winston, M.A., B.Arch., A.R.I.B.A., M.T.P.I., Civic Centre, Southampton, not later than 1st September, 1947.

549

**UNIVERSITY OF DURHAM.**

**KINGS COLLEGE, NEWCASTLE-UPON-TYNE.**

**DEPARTMENT OF TOWN AND COUNTRY PLANNING.**

The Council of Kings College invite applications for the post of **LECTURER** in Town and Country Planning. Candidates should be Members or Associate Members of the Town Planning Institute.

The salary rises by annual increments of £25 to a maximum of £850, and the initial salary, which in any case will not be less than £500, will be fixed at a point on that scale in accordance with the qualifications and experience of the successful candidate. Superannuation and family allowance. Duties to commence as soon as possible.

Ten copies of application, together with the names of three persons to whom reference may be made, should be addressed as soon as possible, and in any case not later than 15th September, 1947, to the undersigned, from whom further particulars may be obtained.

G. R. HANSON,

Registrar of Kings College.

August, 1947.

550

**ADMINISTRATIVE COUNTY OF LONDON.**

**APPOINTMENT OF DEPUTY ARCHITECT TO THE LONDON COUNTY COUNCIL.**

The London County Council invites applications for the appointment of Deputy Architect to the Council. Salary £2,000, by £250 biennially, to £2,500; there are no age limits for candidates. The person appointed will be subject to the Council's Superannuation and Provident Fund Scheme.

The Architect to the Council and the Superintending Architect of Metropolitan Buildings is responsible for the erection and maintenance of all buildings and architectural works of the Council, with certain exceptions, and for general advice on Town Planning, including the preparation of the Development Plan for the County of London.

Forms of application (stamped addressed foolscap envelope necessary) obtainable from the Clerk of the Council (K), the County Hall, Westminster Bridge, London, S.E.1. Application forms returnable by 30th September, 1947. Canvassing disqualifies. (2586.)

551

**SOUTHAMPTON COUNTY BOROUGH.**

**BOROUGH ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments:—

(1) **SENIOR ASSISTANT PLANNING OFFICER,** Grade VI, £535-£600.

(2) **ASSISTANT PLANNING OFFICER,** Grade V, £460-£510.

The posts are permanent and pensionable, and subject to a cost-of-living bonus, amounting to £59 19s. 3d. per annum.

These appointments are primarily in connection with the reconstruction of the central area of Southampton, and preference will be given to members of the Royal Institute of British Architects, with additional Town Planning qualifications. Candidates should have a special knowledge of the problems involved in drawing up practical proposals for urban development.

(3) **JUNIOR TOWN PLANNING ASSISTANT (TEMPORARY),** £65-£200 per annum, according to age, plus cost-of-living bonus.

Preference will be given to candidates who are anxious to take the examinations, and to become members of the Town Planning Institute.

Applications in writing, stating age, qualifications and experience, and enclosing copies of two recent testimonials, should be sent to Denis Winston, M.A., B.Arch., A.R.I.B.A., M.T.P.I., Civic Centre, Southampton, to arrive not later than 1st September, 1947.

547

**BOROUGH OF WISBECH.**

**BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.**

**APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

**PERMANENT STAFF.**

Applications are invited for the appointment of Architectural Assistant, Grade III, A.P.T. Division of the National Scale, £390-£435, plus cost-of-living bonus, at present £59 16s. per annum.

Applicants should have had general architectural experience. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1937, and to the successful candidate passing a medical examination, and to one calendar month's notice on either side.

The person appointed will be required to devote the whole of his time to the duties of the particular office.

Applications, suitably endorsed, stating age, qualifications, and particulars of experience, accompanied by copies of two recent testimonials, should be received by the undersigned not later than Friday, 29th August, 1947.

Canvassing, either directly or indirectly, is prohibited, and candidates should state in their applications whether to their knowledge, they are related to any member of, or holder of, any senior office to the Council.

J. R. SIDDALL,

Town Clerk.

Town Hall, Wisbech, Cambs.

29th July, 1947.

508

**BOROUGH OF SWINDON.**

**APPOINTMENT OF BOROUGH ARCHITECT.**

Applications are invited for the appointment of Borough Architect, at a salary of £1,250 per annum, plus such cost-of-living bonus as may from time to time be paid by the Corporation (at present £59 16s.).

The fixing of a scale for the post will be considered by the Council in due course.

The appointment, which may be terminable by three months' notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

The Council will assist the successful applicant to secure housing accommodation if required.

The person appointed will be required to devote the whole of his time to the service of the Corporation and not to engage in private practice.

Application forms are obtainable from the undersigned, to whom they must be returned duly completed not later than Saturday, the 30th August, 1947.

Canvassing in any form will be deemed a disqualification.

D. MURRAY JOHN,

Town Clerk.

Civic Offices, Swindon.

1st August, 1947.

537

**METROPOLITAN BOROUGH OF  
PADDINGTON.  
HOUSING DEPARTMENT.  
APPOINTMENTS OF (a) SENIOR ARCHITECTURAL ASSISTANT, (b) JUNIOR ARCHITECTURAL ASSISTANT.**

Applications are invited for the above appointments on the permanent establishment of the Council.

(a) SENIOR ARCHITECTURAL ASSISTANT. This appointment will be at a salary within Grades IV and V of the A.P.T. Division of the National Joint Council's Scheme of Conditions of Service, viz., £420, rising by annual increments of £15, with a final increment of £20, to £510 per annum, plus London "weighting" (£20 per annum), and cost-of-living bonus, at present £59 16s. (£48 2s. for women).

Applicants must be Registered Architects, preferably Associates of the Royal Institute of British Architects, and have had extensive experience in architectural design and construction of general municipal work, including multi-storey flats.

(b) JUNIOR ARCHITECTURAL ASSISTANT. The salary for this appointment will be within Miscellaneous Division, Grade II and Grade I, of the A.P.T. Division of the National Joint Council's Scheme of Conditions of Service, viz., £315, rising by annual increments of £15 to £375 per annum, appropriate to the successful candidate's qualification and experience, plus London "weighting" (£20 per annum) and cost-of-living bonus.

Applicants must have passed or be about to sit for the Intermediate examination of the Royal Institute of British Architects, be used to preparing working and detail drawings, and be good draughtsmen.

Forms of application and conditions of appointment can be obtained from me on receipt of a stamped, addressed, foolscap envelope. Applicants should indicate clearly which appointment it is proposed to apply for.

Applications, accompanied by copies of three recent testimonials, must be received by me not later than 8th September, 1947.

Canvassing, either directly or indirectly, will disqualify.

W. H. BENTLEY,

Town Clerk.

Town Hall, Paddington, London, W.2.  
31st July, 1947. 552

**CITY OF ROCHESTER.**

**ARCHITECTURAL ASSISTANTS.**

Applications are invited for the following appointments, in the City Surveyor's Department:—

ARCHITECTURAL ASSISTANT, Grade IV, £420-£465.

Candidates must be Registered Architects, and

preference will be given to Associates of the Royal Institute of British Architects. A good general experience is required, particularly in the preparation of drawings and specifications for Municipal Housing Schemes. A knowledge of quantities would be an advantage.

ARCHITECTURAL ASSISTANT, Grade II, £360-£405.

Candidates must be Registered Architects, and experience on Municipal Housing Schemes is desirable.

The above salaries are subject to the addition of cost-of-living bonus (at present £60 per annum).

The appointments will be subject to:—  
(1) The scheme of conditions of service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

(2) The Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must be delivered to Lt.-Col. W. Law, M.I.C.E., City Surveyor, King Edward Road, Rochester, not later than 25th August, 1947.

Canvassing, directly or indirectly, will be deemed a disqualification.

JOHN L. PERCIVAL,

Town Clerk.

Guildhall, Rochester.

1st August, 1947.

539

**Architectural Appointments Vacant**

1 line or under, 5s.; each additional line, 1s. 6d.

**CAPABLE ASSISTANT** required for general practice in Cumberland, Westmorland, and North Lancashire; able to carry contracts through with very little supervision. C. B. Martindale, A.R.I.B.A., Cathedral Chambers, Castle Street, Carlisle. 611

**ASSISTANTS** required (20-23 years); capable draughtsmen; surveys, working drawings, specifications, etc.; busy private practice. Clark, 44, Great Russell Street, W.C.1. Museum 4400. 806

**DIOCESAN** Surveyor requires ARCHITECTURAL ASSISTANT, for work in old churches and general practice; Inter. standard considered. Full particulars to Lawrence H. Bond, 11, Elmer Street, Grantham. 960

**ARCHITECTURAL ASSISTANT** required immediately; Intermediate standard or better; surveys and levelling, working drawings and details; quick accurate draughtsman; busy office. Write, stating age, experience, and salary required, to Ruddle & Wilkinson F./L.R.I.B.A., Long Causeway Chambers, Peterborough. 538

**ASSISTANT ARCHITECT** required for Manchester practice. Box 969.

**WANTED**, by Main Line Railway Company, for work in North-East England; qualified architects of good experience; salary up to £9 10s. per week, according to qualifications. Replies to Box 524.

**ARCHITECTURAL ASSISTANTS** required by a Firm in the West Midlands; good general experience essential, with special inclination towards industrial work; salary £300-£375, according to experience, plus travelling and subsistence allowances. Apply immediately, Box 527.

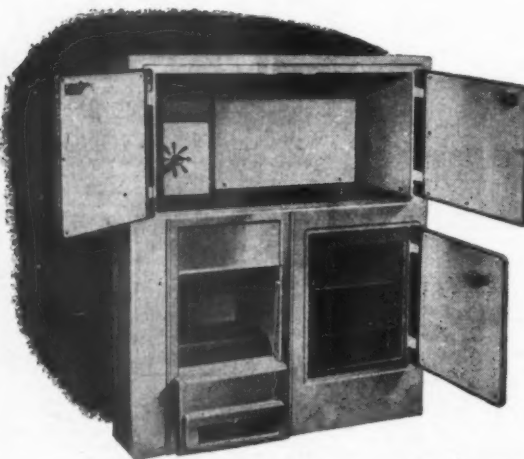
**CHARTERED SURVEYOR (City)** requires:—  
(1) Building Surveyor, to prepare plans and specifications and supervise reconstruction works (£5,000 to £20,000) to war damaged commercial premises in London area. (2) Draughtsman, to prepare designs and working drawings for alterations and extensions to industrial buildings. (3) Assistant Surveyors, to prepare schedules of condition, measure and price works, settle war damage, requisitioning and dilapidation claims. Candidates with experience of such duties are invited to write, stating age, position previously held, and salary required, to Box 534.

**ARCHITECT'S ASSISTANT** required in London; must be good draughtsman and specification writer; pension scheme. Age, experience and salary, to Box 540.

**ARCHITECT**, with Town Planning qualifications, required for East Africa; duration probably two to three years, possibly longer; passage provided; salary according to qualifications and experience. Write, stating age, qualifications and experience, to Box 541.

**EXPERIENCED DRAUGHTSMAN** required for Cast Stone Depart.; state experience and salary required.—Apply, in confidence, to The Secretary, The Croft, Granite, Brick & Concrete Co., Ltd., Croft, near Leicester. 640

**YOUNG ASSISTANT ARCHITECT** required, qualified, and with some office experience. Cecil E. M. Fillmore (F.), 8, Newhall Street, Birmingham. 545



*If I had the choosing  
it would be a  
**"SIGNET"***

Easily cleaned durable vitreous enamel finish—this cooker literally "does everything". It is fitted with the most modern type of open fire, it bakes—the efficient oven is AIRHEATED—no flues to clean! it cooks—the large hot plate gives controlled quick boiling or simmering as required and it provides a generous supply of really hot water.

The "Signet" will provide this 24 hours a day service on a fuel consumption of 1½-2 cwt per week and it burns coal or coke. The unit is self-setting requiring only a connection to a flue and sealing to the wall. Write for full descriptive leaflets.

**The "SIGNET" MULTIPLE DUTY UNIT**  
*The Cooker that does EVERYTHING*



**THE CAMELON IRON CO. LTD., FALKIRK**  
**GRANGEMOUTH IRON CO. LTD., FALKIRK**

CONTROLLED BY FEDERATED FOUNDRIES LTD  
FORGING BRITAIN'S HOUSING FITMENTS



**SEELY & PAGET, F./L.R.I.B.A.**, require fully qualified ASSISTANT; must be experienced working drawings and specifications, with sound knowledge of all normal methods of construction; licensed work now in hand includes many important Ecclesiastical commissions. Apply by letter, giving usual details, to 41, Cloth Fair, E.C.1. 924

**SENIOR QUANTITY SURVEYOR** required for Architect's office. Reply, with particulars and salary required, to Box 543.

**ARCHITECTURAL and SURVEYING ASSISTANT** required in busy South London old-established office; qualified surveyor preferred, with knowledge of architectural drawing, preparation of specifications, and capable of supervision of structural works and costings; excellent position for capable man with scope. Write, in first instance, qualifications and salary required, to Box 554.

**ARCHITECTURAL ASSISTANT** required immediately in London office; must be good draughtsman of intermediate standard; some experience of industrial buildings an advantage. Box 556.

**JUNIOR ARCHITECTURAL ASSISTANT**, under 25, required for Architect's department; applicants, who should state age and particulars of education and experience, should be good tracers and have some knowledge of detailing; opportunity for advancement. Application should be made in writing to the Personnel Manager, Samuel Williams & Sons, Ltd., Dagenham Dock, Essex. 571

**ARCHITECTURAL ASSISTANTS** required (Senior and Junior), and **QUANTITY SURVEYOR**, for Offices in West Country. Box 561.

### Architectural Appointments Wanted

**SENIOR ARCHITECTURAL and SURVEYING ASSISTANT**, 20 years' experience home and abroad, requires post (location no object), with either first-class London professional firm or civil engineering contractors; all types working and record drawings, specifications, W.D. schedules and dilapidations, party wall awards, field surveying and levelling (theodolite and level), setting out works, i.e., housing estates, roads, sewage works and services, industrial layouts and pipe lines, measuring up and settlement of accounts. Box 384.

**JUNIOR ASSISTANT** (21), recently demobilized, desires good general experience with London Architect; three years School of Building, six months' office experience; probationer R.I.B.A.; salary £280 per annum. Box 385.

**R.I.B.A.** (38) desires senior position; varied experience in London and provinces; ex-Major R.E. Box 386.

**DRAUGHTSWOMAN** (25), one year's experience, and training in engineering, metric, secretarial experience, typing, fluent French, requires post in Architect's office by August 25. Box 388.

**QUANTITY SURVEYOR**, A.I.A.S., aged 29, requires responsible position in London with view to Partnership; wide experience; minimum salary £750. Box 570.

**REGISTERED ARCHITECT**, age 40, R.E. Major, free end of August, good general experience with private architect and practice, requires situation or partnership; capital available; good organizing and business abilities. Box 569.

**JUNIOR ASSISTANT** requires post; 4 years' office experience. Box 387.

### Other Appointments Vacant

Four lines or under, 5s.; each additional line 1s. 6d.

**COMPETENT SECRETARY (S.T.)** required by Firm of Architects and Chartered Surveyors in Woolwich. Apply, giving full particulars and salary required, to Wright & Renny, 1 and 3, Powis Street, Woolwich, S.E.18. 589

**CONSULTING Engineer**, Westminster, has vacancies for **FOUR REINFORCED CONCRETE DETAILERS**; salary £300 to £450 p.a., according to experience; designing experience not essential, but applicants must have had at least 12 months' experience of independent detailing under the guidance of a senior engineer; the above positions are on the permanent staff of the firm. Applications to Box 518.

### Other Appointments Wanted

4 lines or under, 2s. 6d.; each additional line, 1s.

**WANTED**, a job as **TRACER**; 4 years' experience; age 26 years. Box 987.

**LANE WHITE**, 28, Victoria Street, London, S.W.1, Architectural Model Maker, would like additional work. 546

**YOUNG Man**, recently released from Forces, with office and typing experience, seeks opening with Chartered Quantity Surveyor; London or Middlesex area. Box 538.

### For Sale

4 lines or under, 5s.; each additional line, 1s. 6d.

**FOR SALE**—14-in., 3-screw, Stanley Dump Level, with small compass and tripod; price £12. Box 557.

### Miscellaneous

4 lines or under, 5s.; each additional line, 1s. 6d.

**A. J. BINNS, LTD.**, Specialists in the supply and fixing of all types of fencing, guard rail, factory partitions and gates. Harvest Works, 99-107, St. Pauls Road, N.1. Canonbury 2061.

**WANTED**—One set of "Arts Et Manners Graphiques." Please reply to Box 5.

**WANTED**—Complete set of "Typography." Box 487.

**NEWER HEAT DISPLAY**, Building Centre, Conduit Street, W.1. New solid-fuel appliances. New heating methods. New standard of home comfort. Open 10-5. Organised by the Coal Utilisation Joint Council. 724

**GEORGE HIGGINSON, LTD.**, Bickenhill, Hampton-in-Arden, near Birmingham; 'phone Hampton-in-Arden 131; specialist contractors, land clearing, levelling, and excavation; bulldozers and scrapers and skilled men available for large or small contracts in any districts. 809

**QUANTITIES, Bills, Estimates**—Send them to be accurately calculated, and checked by experienced Comptometer Operators; prompt attention; reasonable rates. South London Calculating Service, 339, Kennington Road, S.E.11. 929

**AGENT**, with connections among Architects and Builders, required to represent well-established Asphalt, Flooring and Roofing Co., in Provincial and Coastal towns; remuneration by commission. Apply Box 961.

**PARQUET** and all other kinds of Wood Floors repaired, resurfaced, and polished by latest machine methods; new floors laid; panelling restored; charges moderate; estimates free. Davis Parquet Resurfacing, Ltd., Dp. 225, Grove Hall Court, London, N.W.3. Telephone: CUNningham 3205/6. 926

**DUNORTH OFFICE SUPPLY CO., LTD.** (Contractors to Municipalities, Architects and Quantity Surveyors); specialize in typed and duplicated Bills of Quantities, Specifications, etc. Write or 'phone 50, High Street South, Dunstable, Beds. (Dunstable 952). 966

**CENTRAL HEATING OIL BURNERS**—Insist on the British-made Parwinc—no stoking, clean, trouble free; no waiting for coal or coke deliveries; no embargo now. Write at once to Parker, Winder & Achurch, Ltd., Makers, 80, Broad Street, Birmingham. 546

**CONSULT** Boulton & Paul, Ltd., Norwich, for special design manufacture and erection of Fencing and Gates. 900

**OFFICE Accommodation** to Let; opposite Victoria Station; 140 ft. sup. Lewis E. Travers, 315, Vauxhall Bridge Road, S.W.1. Victoria 7184. 567

**FIRM** of Architects require approximately 800 sq. ft. office space; London, preferably W.1 or S.W.1. Box 564.

**LADY SECRETARY**, 12 years' experience in busy provincial Architect's office, seeks similar position, London. Box 566.

### Educational Announcements

1 lines or under, 5s.; each additional line, 1s. 6d.

**R.I.B.A. QUALIFYING EXAMINATIONS**. Mr. O. W. Box, F.R.I.B.A., M.R.Sen.I. Courses of Correspondence and Personal to Studio 115, Gower St., London, W.C.1. (Tel.: Euston 3965).

**R.I.B.A. and T.P. INST. EXAMS** Private Courses of Tuition by correspondence arranged by Mr. L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I. Tutor, 212, Euston Road, N.W.1. Tel.: EUS. 7765.

**HAND FORGED WROUGHT IRON WORK**  
in Architects' designs  
by highly skilled workmen  
**IMPROVED DESIGNS LTD.**  
LEAMINGTON SPA.

Established over 100 years.  
**J. W. GRAY & SON LTD.**  
"FRANKLIN HOUSE," 37, RED LION ST.  
HIGH HOLBORN, LONDON, W.C.1.  
Phone: CHANCERY 8701 (2 lines).  
**LIGHTNING CONDUCTORS**  
Erectors

**John Broadfoot & Sons, Ltd.**  
Inchholm Works, Ferryden Street,  
Whitinch, GLASGOW, W. 4.  
"Teakoid" Composition Flooring,  
Lino, Cork and Rubber in plain  
and decorative designs.

"UNO"  
  
STENCIL

"UNO" STENCILS  
for Lettering  
ENGINEERS' & ARCHITECTS' PLANS  
**A. WEST & PARTNERS Ltd.**  
36, BROADWAY, WESTMINSTER, LONDON. S.W. 1

"UNO" WATERPROOF INK  



**EJMA**  
CERTIFICATION TRADE MARK  
JOINERY is made only by LICENSED PRODUCERS who undertake to conform to EJMA Specifications & Standard of Quality




# Alphabetical Index to Advertisers

	PAGE		PAGE		PAGE
Accrington Brick & Tile Co., Ltd.	—	Etril Sales Organisation	lvi	Metallic Seamless Tube Co., Ltd.	—
Adams, Robert (Victor), Ltd.	liv	Electrolux, Ltd.	—	Metropolitan-Vickers Electric Co., Ltd.	—
Aero Pipe & Glass Co., Ltd.	—	Ellis (Kensington), Ltd.	xxii	Miles Martin Pen Co., Ltd.	lxv
Adam, E. Hill, & Co., Ltd.	—	Ellison, George, Ltd.	—	Mills Scaffold Co., Ltd.	lxvi
Allied Paints & Chemicals, Ltd.	lxv	English Electric Co., Ltd.	xx	National Federation of Clay Industries	xxvii
Anderson Construction Co., Ltd.	xxx	English Joinery Manufacturers' Assoc.	lxiii	Nobles & Hoare, Ltd.	vi
Andrew Bros. (Bristol), Ltd.	xlx	Federation of Coated Macadam Industries	—	Oliver, Wm., & Sons, Ltd.	—
Arens Controls, Ltd.	—	Fenton Bros. (Glasgow), Ltd.	—	Park Foundry (Belper), Ltd.	—
Ascot Gas Water Heaters, Ltd.	xxxiv	Ferguson Edwards, Ltd.	xxiii	Philip Flooring Co., The	—
Ashwell & Nesbit, Ltd.	1	Flush Door Manufacturers' Assoc.	—	Poles, Ltd.	xlv
Austin-Hall Group of Companies	—	Fullwood, R. J., & Bland, Ltd.	—	Pritchett & Gold and E.P.S. Co., Ltd.	xvi
Banister, Walton & Co., Ltd.	xxi	General Accessories Co., Ltd.	lvii	Prodorite, Ltd.	lv
Bath Cabinet Makers & Artcrafts, Ltd.	xi	Gent & Co., Ltd.	ii	Pyrotenax, Ltd.	—
Berry's Magical Electric Fires	lii	Gray, J. W., & Son, Ltd.	lxii	Radiation, Ltd.	—
Bigwood, Joshua, & Son, Ltd.	—	Griffith Bros. & Co., Ltd.	—	Rawlplug Co., Ltd.	lxviii
Birmabright, Ltd.	—	Haden, G. N., & Sons, Ltd.	xxiii	Salter, T. E., Ltd.	xxviii
Blundell Spence & Co., Ltd.	1	Hamhill Brick Co., Ltd.	lviii	Sankey, Joseph, & Sons, Ltd.	—
Bolton Gate Co., Ltd.	—	Hammond & Champness, Ltd.	—	Saunders & Taylor, Ltd.	—
Booth, John, & Sons (Bolton), Ltd.	—	Harris & Sheldon, Ltd.	xxv	Scaffolding (Great Britain), Ltd.	lxvi
Boulton & Paul, Ltd.	—	Harvey, G. A., & Co. (London), Ltd.	lii	Shaffer, James, Ltd.	—
Braithwaite & Co., Engineers, Ltd.	xxvi	Hellwell & Co., Ltd.	liii	Sharman, R. W., Ltd.	—
Bratt Colbran, Ltd.	xlx	Henderson, P. C., Ltd.	—	Sharp Bros. & Knight, Ltd.	ii
Briggs, William, & Sons, Ltd.	—	Holoplast, Ltd.	xxxix	Sherwoods Paints, Ltd.	—
British Gas Council	—	Hope, Henry, & Sons, Ltd.	xlix	Shires & Co. (London), Ltd.	lviii
British Mouldex Rubber Co., Ltd.	—	Hopton-Wood Stone Firms, Ltd.	—	Siegmart Fireproof Floor Co., Ltd.	xxix
British Trane Co., Ltd.	—	Imperial Chemical Industries	—	Smith & Rodger, Ltd.	liv
Britmac Electrical Co., Ltd.	—	Improved Designs, Ltd.	lxiii	Stelcon (Industrial Floors), Ltd.	lv
Broadcast Relay Service, Ltd.	xlvii	Industrial Engineering, Ltd.	—	Sundeala Board Co., Ltd.	—
Broadfoot & Son, Ltd., John	lxiii	Jewood, Ltd.	lxv	Sutcliffe, Speakman & Co., Ltd.	—
Bromsgrove Guild, Ltd.	—	Johnston Bros. (Contractors), Ltd.	liv	Tentest Fibre Board Co., Ltd.	—
Camelon Iron Co., Ltd.	—	Jones, Samuel, & Co., Ltd.	lviii	Thompson Beacon Windows, Ltd., John	—
Cargo Fleet Iron Co., Ltd.	—	Kent & Sussex Contractors, Ltd.	—	Thornborough & Son (Manchester), Ltd.	xxxi
Carter & Co., Ltd.	xxxvii	Key Engineering Co., Ltd.	ii	Tretol, Ltd.	ii
Cellacite & British Uralite, Ltd.	—	Kieft, Cyril, & Co., Ltd.	lv	Troughton & Young (Lighting), Ltd.	viii
Cement Marketing Co., Ltd.	x	Lacrinol Products, Ltd.	xxiv	Trussed Concrete Steel Co., Ltd.	vii
Clifford Aero & Auto, Ltd.	lii	Leaderfush, Ltd.	xxxv	Turners Asbestos Cement Co., Ltd.	—
Code Designs, Ltd.	—	Lead Industries Development Council	—	Uni-Seal, Ltd.	lvi
Copperad, Ltd.	xiii	Lightfoot Refrigeration Co., Ltd.	—	United Paint Co., Ltd.	—
Crittall Manufacturing Co., Ltd.	—	Limmer & Trinidad Lake Asphalt Co., Ltd.	—	Vent-Axis, Ltd.	—
Crittall, Richard, & Co., Ltd.	xvii	Linden Doors, Ltd.	—	Vulcan Products, Ltd.	xii
Dawnays, Ltd.	—	London Brick Co., Ltd.	xiv	Walpamur Co., Ltd., The	xxviii
De la Rue Gas Development, Ltd.	xi	London Sand Blast Decorative Glass Works, Ltd.	lii	Walsall Conduits, Ltd.	xviii
Denny, Mott & Dickson, Ltd.	lii	Mackay Industrial Equipment Ltd.	xxvi	Wardle Engineering Co., Ltd., The	—
Dow-Mac (Products), Ltd.	—	Main, R. & A., Ltd.	—	Waverite, Ltd.	vi
Drynamels, Ltd.	liii	Matthews & Yates, Ltd.	—	Waring & Gillow, Ltd.	xxviii
Durable Asphalt Co., Ltd.	—	McNeill, F., & Co., Ltd.	lv	West, A., & Partners, Ltd.	lxiii
Duresco Products, Ltd.	xxiii	—	—	Westland Engineers, Ltd.	liv
Eagle Pencil Co.	—	—	—	Wheeler, F. H., & Co., Ltd.	—
Edgar, Wm., & Son, Ltd.	xli	—	—	Youngman, W. C., Ltd.	xv

For Appointments (Wanted or Vacant), Competitions Open, Drawings, Tracings, etc., Educational, Legal Notices, Miscellaneous Property, Land and Sales, see pages lix, lx, lxi, lxii and lxiii.



This door stows in a horizontal position and is a one-piece construction, either wood panels and glass or all metal. There are no floor tracks to clog with dirt and it is wind and weatherproof. Back bumpers can be within  $\frac{1}{2}$  in. of the door and yet the door will clear any car body. "Weltilt" doors are balanced to a nicety and only require finger light effort to open and close. Send for latest catalogue showing "Weltilt" doors suitable for single openings up to 80 square feet.



# WELTILT Garage DOORS

OTHER PRODUCTS

**WELROLL**  
WELRUN  
WELWAY

Overhead (folding) doors.  
Track brackets and hangers.  
Sideways sliding doors.

**WELSLIDE**  
FLEXIFOLD  
WELWARD

Sideways Multileaf doors.  
Interior concertina fold doors.  
Fireproof doors.

WESTLAND ENGINEERS LIMITED · YEOVIL · ENGLAND

02

xv  
xvi  
xvii  
vi

lv  
lvi  
lv

ix  
xiii  
xiii

lvi

ii

xiii  
xix  
xiv  
iv

xxi  
ii  
xiii  
vii

lvi

xii  
xiii  
xiii

vi  
xiii  
xiii  
xiv  
xv

You  
not  
able  
alwa  
So t  
not  
eith  
futu  
DE  
X in  
first  
Oil  
suit  
pub  
— a  
man

ALLI





You'll agree there's nothing like the Washable Distemper you've always known as DEX. So that there shall be nothing like its name either, **DEX** will in future be known as **DEZ**.

X into Z still equals a first class Washable Oil Bound Distemper suitable for houses and public buildings alike — an Apac product manufactured by

**ALLIED PAINTS & CHEMICALS LTD., TYSELEY, BIRMINGHAM II**

ALLIED PAINTS & CHEMICALS LTD., TYSELEY, BIRMINGHAM II

## The World's most Versatile WRITING INSTRUMENT



**Biro** is invaluable to business men.

**Biro** is the perfect instrument for taking shorthand notes.

**Biro** is indispensable for writing out of doors. It writes clearly on wet paper and never smudges.

Writes on a ball bearing with a smooth gliding action. Sufficient ink for months of use without refilling. A boon to left handed writers. Does not leak at any altitude.

RETAIL PRICE **34/10** including tax

Place your order with local retailers

Trade enquiries ONLY to:  
**THE MILES MARTIN PEN CO. LTD.**  
67 Brook Street, London, W.1

## weyroce

(Regd.)

The most efficient alternative to timber • countless applications in building and furniture trades • can be sawn, drilled, screwed, brush or spray-painted and distempered • Resists fire, vermin, mildew and fungi. **NO LICENCE REQUIRED.**

## weyroce

GRADE P.S. (Regd.)

(PAPER SURFACED)

has all the above qualities, plus greater resistance to moisture and heat • requires no woodfilling prior to painting. For all details apply to:—

### DISTRIBUTORS

**LONDON:**  
Gabriel, Wade & English Ltd., Aldwych House, Aldwych, W.C.2.

**LONDON:**  
E. Sherry Ltd., Homerton Bridge, E.9.

**BOURNEMOUTH:**  
Sherry & Haycock Ltd., Oxford Road, Bournemouth, Hants

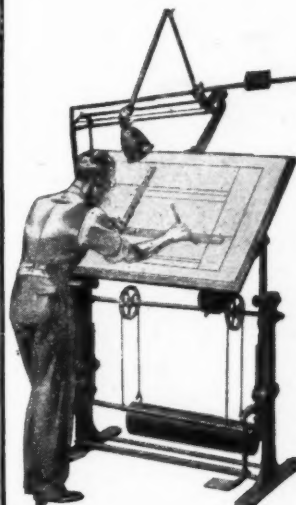
**LEEDS:**  
Alvin Morris (Timber) Ltd., Black Bull Street, Sawmills, Leeds, 10.

**LIVERPOOL:**  
Chas. Taylor, Sons & Co. (1945) Ltd., B. 56-58 The Temple, Dale Street, Liverpool, 2.

**MIDLANDS:**  
C. Welsh Graham, Ltd., Wednesbury, Staffordshire.

A product of JICWOOD LTD., Weybridge, Surrey Tel: Weybridge 1600

## The perfect drawing board



The MAVITTA Drafting Machine stamps your drawing office as **EFFICIENT**. Made of steel tube with adjustable ball-bearings. The main angles are located automatically, intermediate angles by lock. Scales have inlaid celluloid edges and are divided to order on two edges.

**THE MAVITTA DRAFTING MACHINES LTD.**  
Anchor Works, Park Rd., Aston Birmingham, 6.  
Telephone: EAST 0482,  
Telegrams: MAVITTA, Birmingham.

## MAVITTA DRAFTING MACHINES

**MILLS SCAFFOLD CO. LTD**  
LONDON & BRANCHES

**THE HALL MARK**  
**ON STEEL SCAFFOLDING**

**MILLS**

MILLS SCAFFOLD CO. LTD., Head Office: TRUSSLEY WORKS, HAMMERSMITH GROVE, LONDON, W.6. Tel.: RIVerside 5026/9

