

THE ARCHITECTS' JOURNAL



standard contents

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

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


AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill, Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. Department of Architecture, School of Building, Ferndale Road, Brixton, S.W.4.	Brixton 7048
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 13, Portman Square, W.1.	Welbeck 4185
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 43, George Street, Croydon.	Croydon 5452
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRs	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon.	Newport 3111
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A., Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderhof, 7, Zurich, Switzerland.	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers' Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	Sloane 2837
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Waterloo 1951
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 5615
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577

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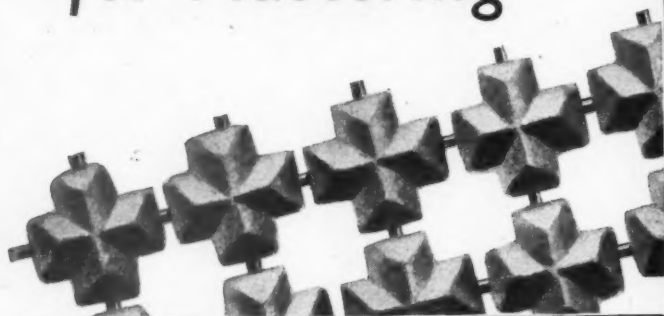
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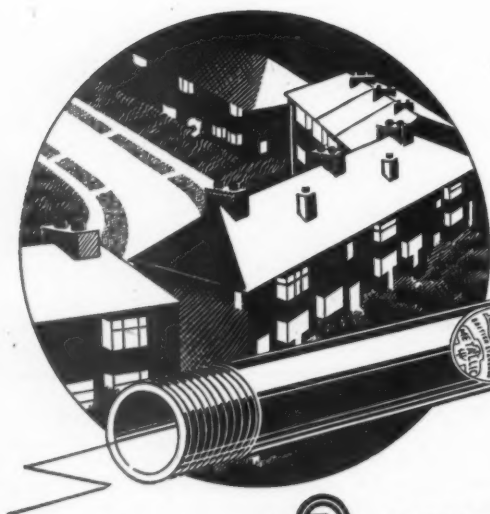


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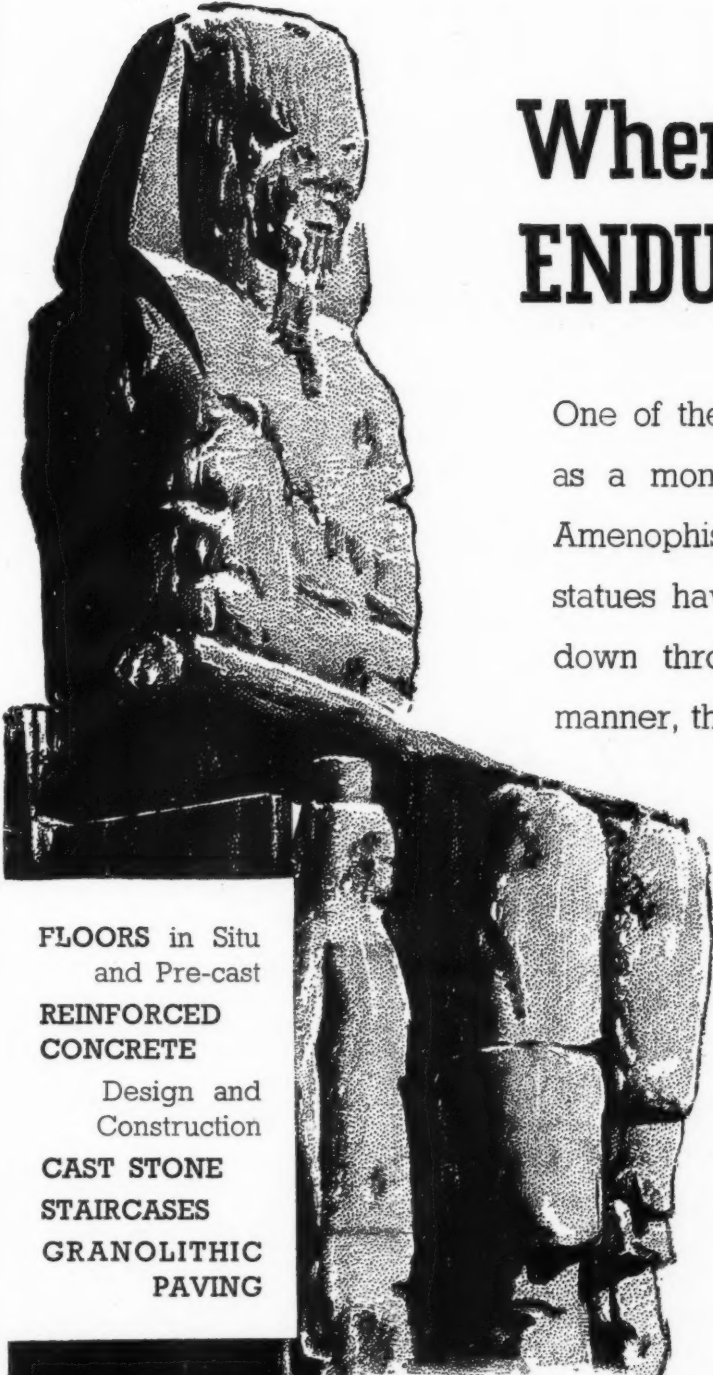
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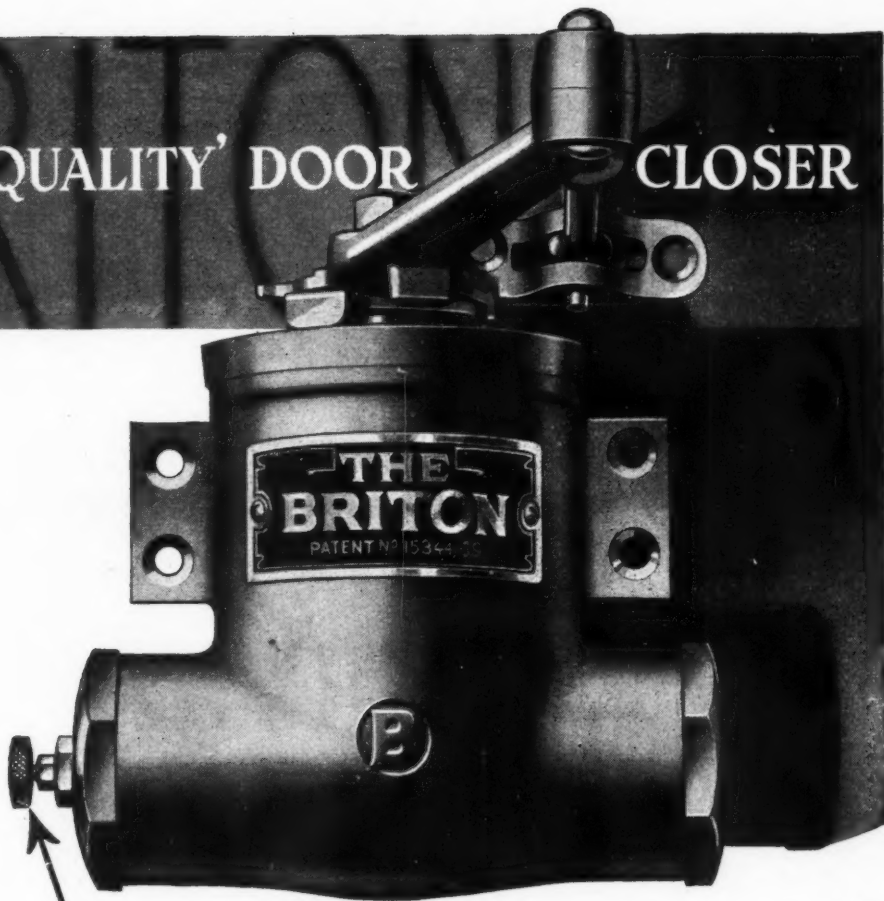
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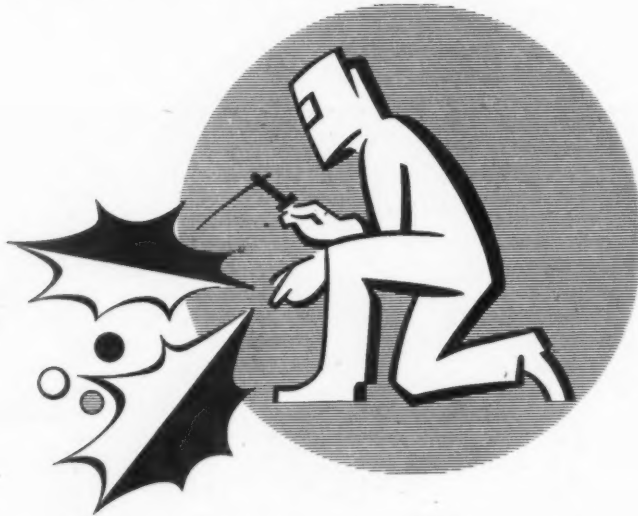
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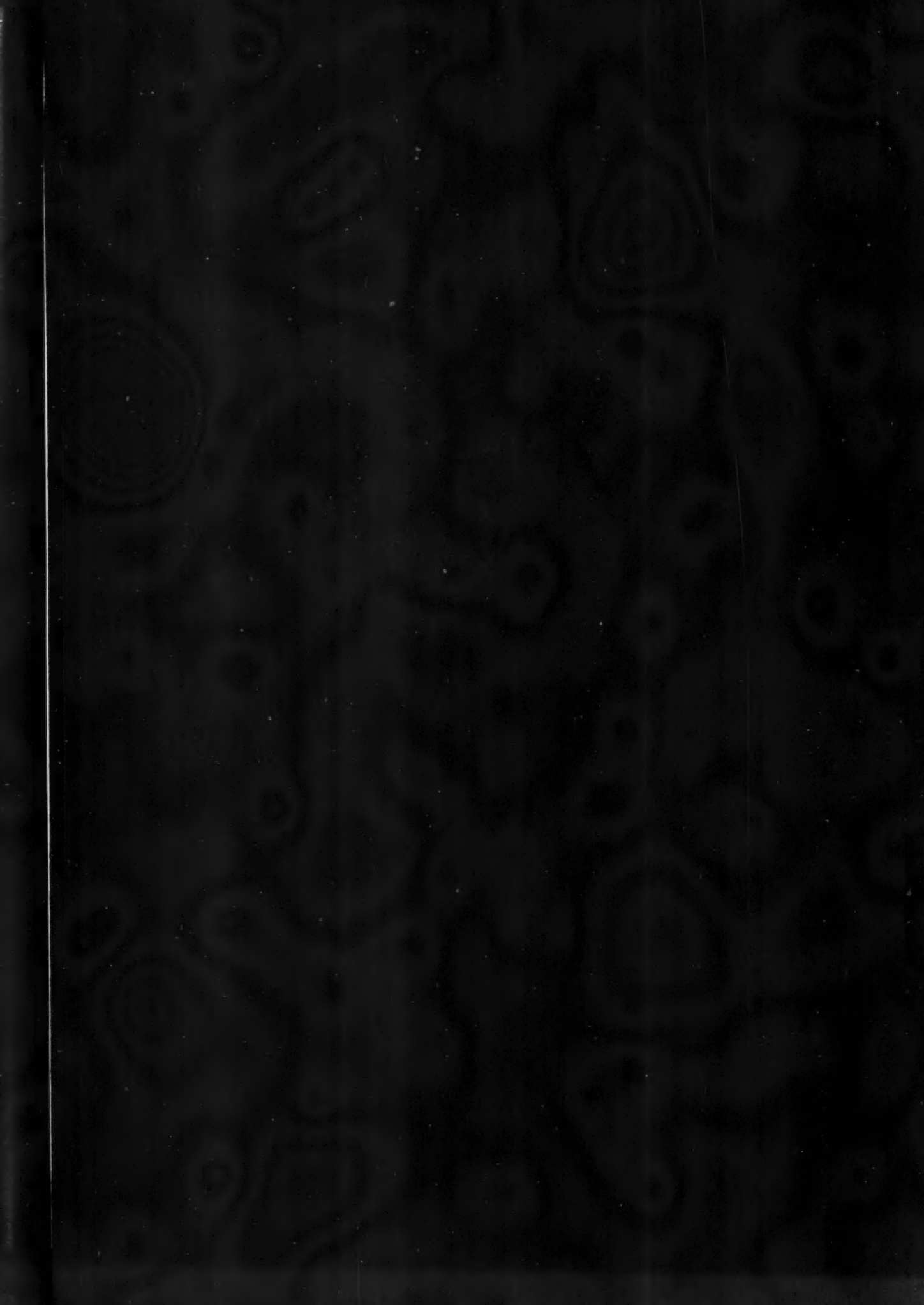


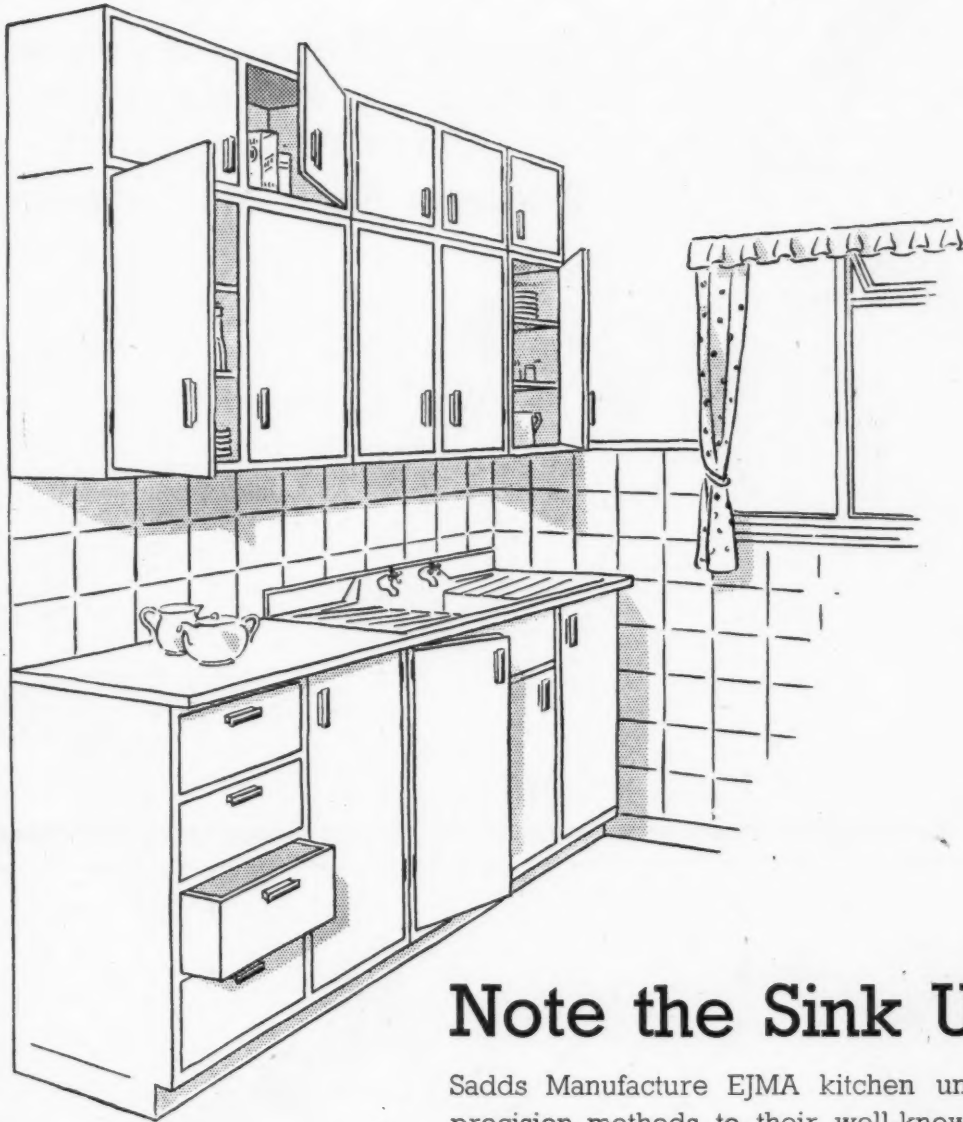
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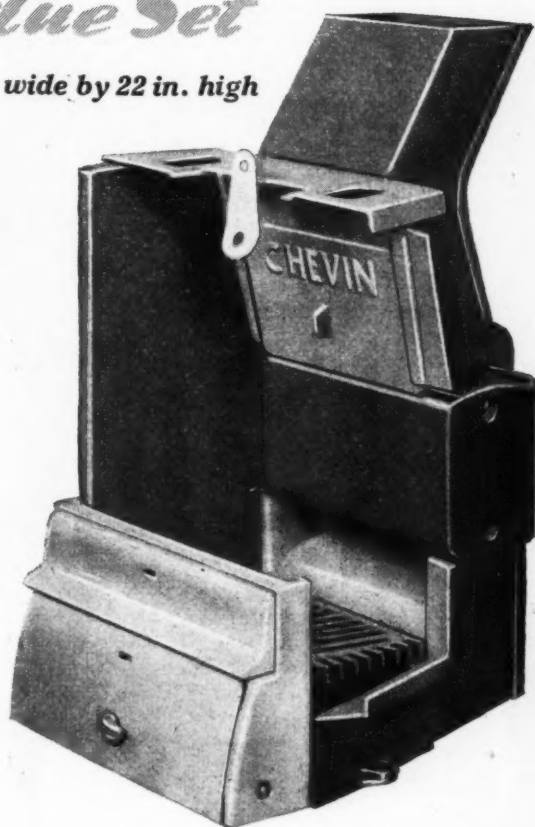
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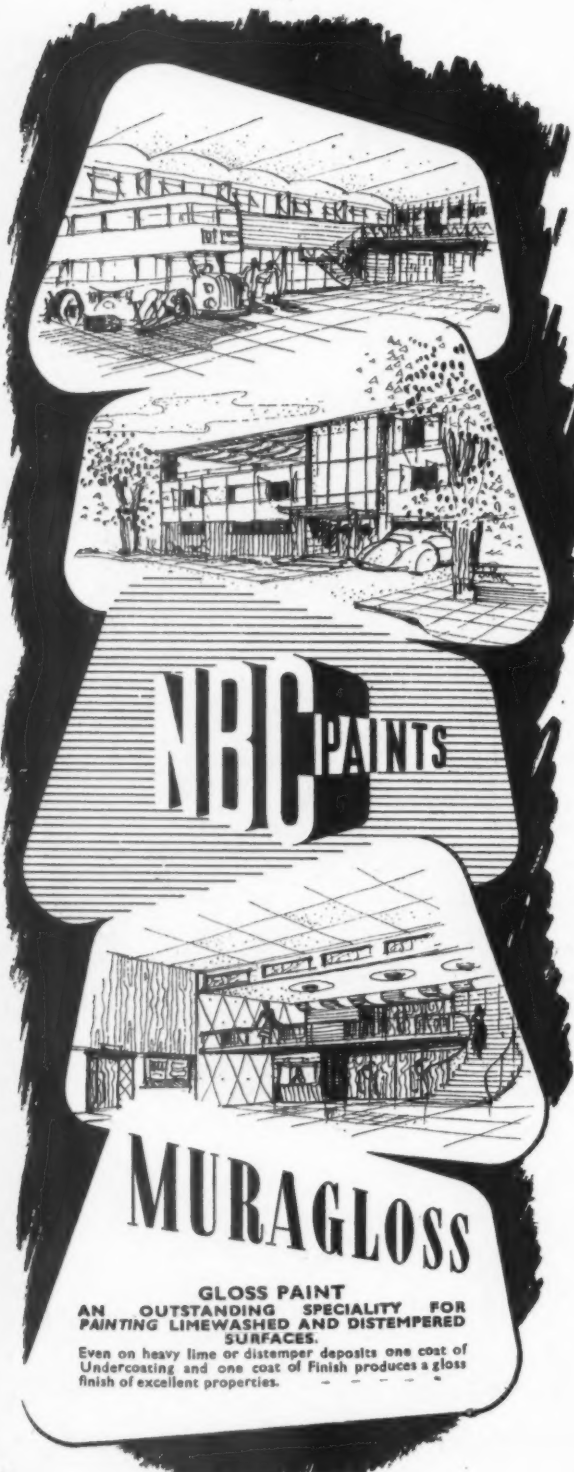
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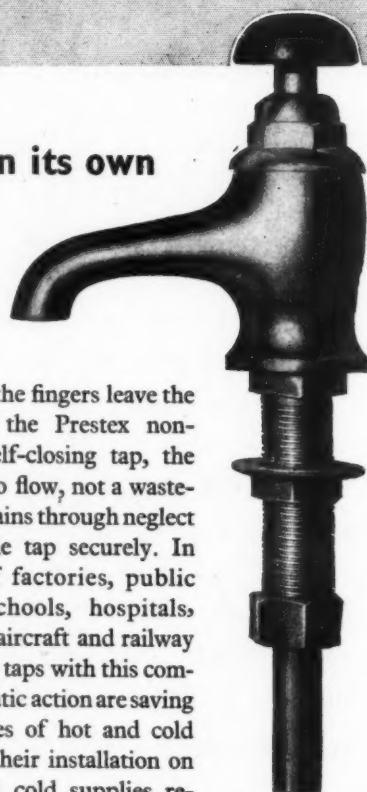
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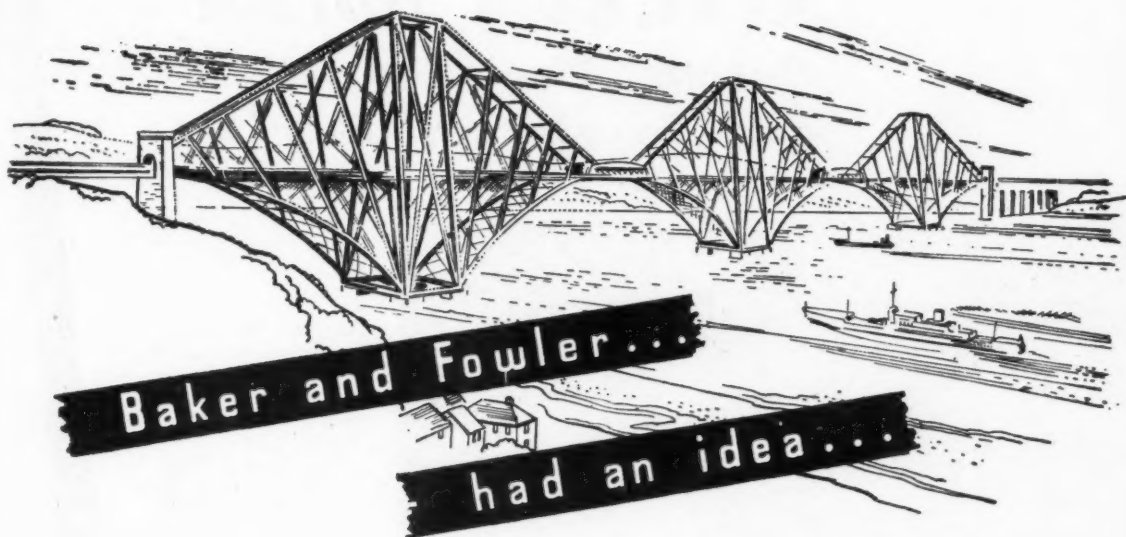
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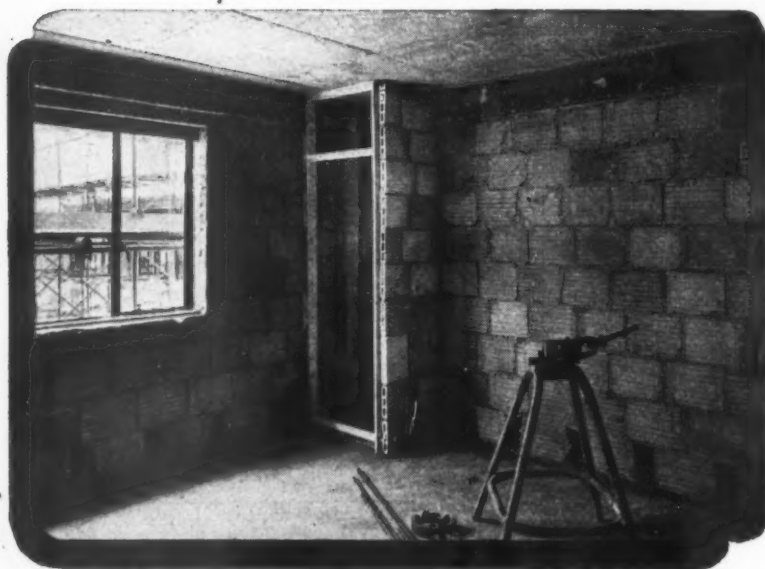
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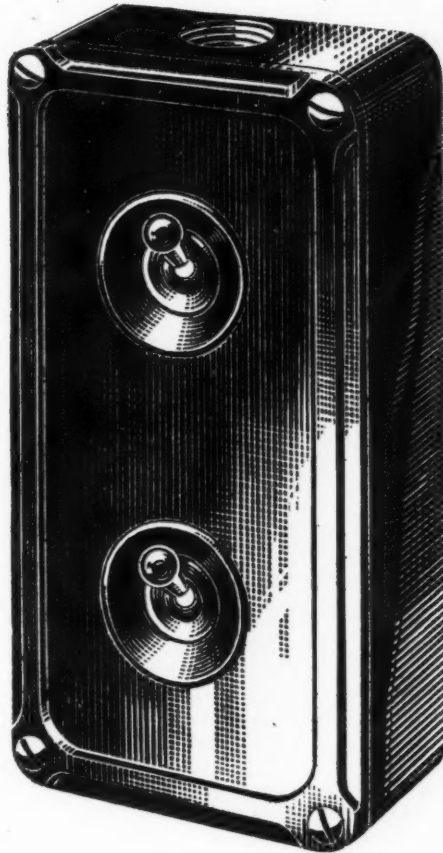
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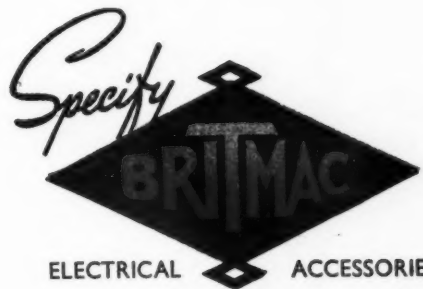
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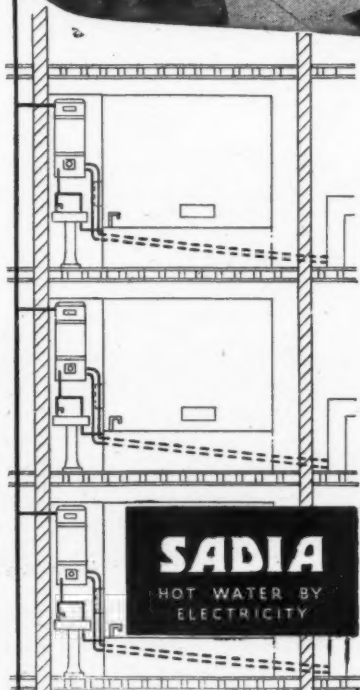
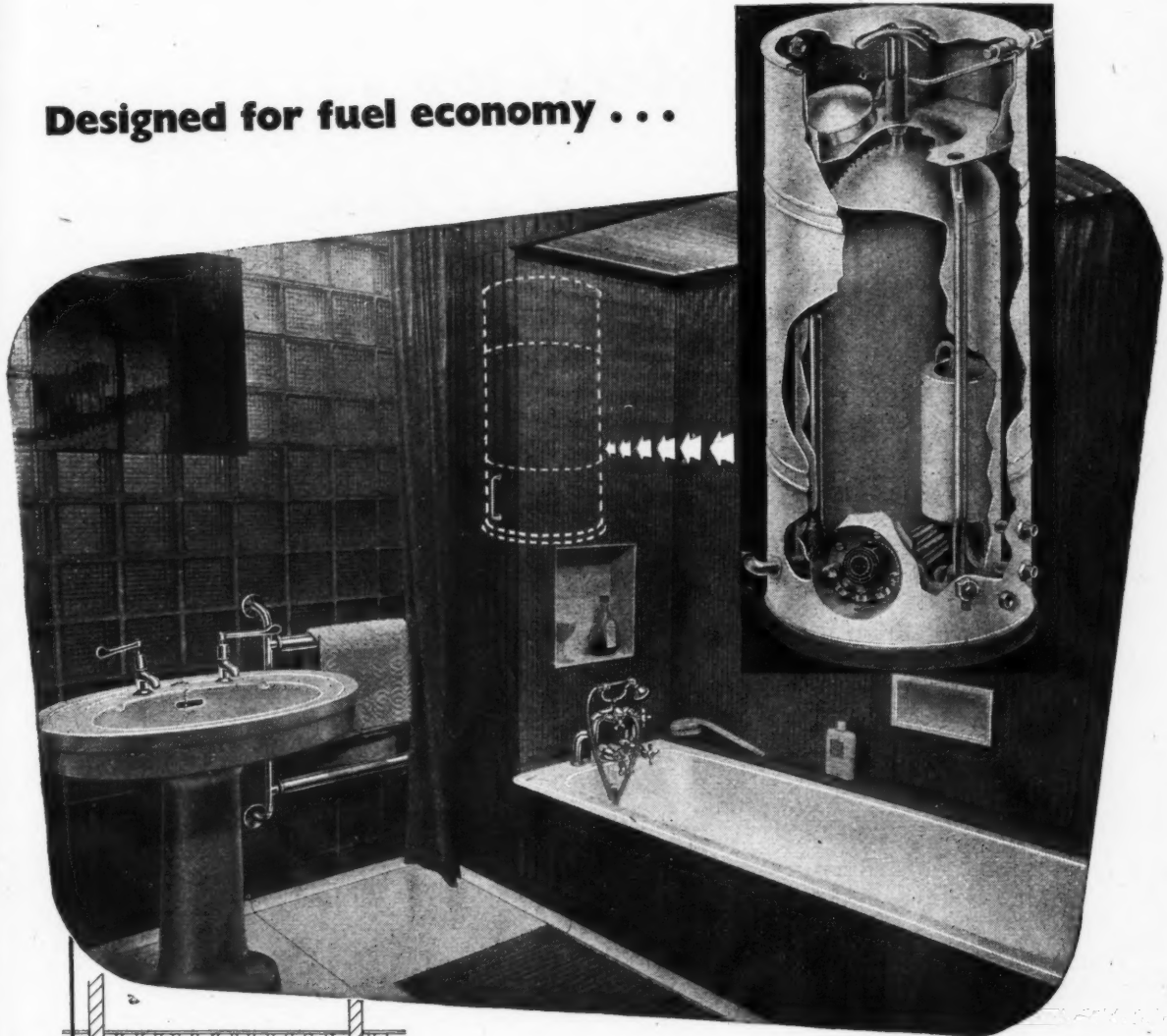
ACOUSTI-CELOTEX

CELOTEX LIMITED, NORTH CIRCULAR ROAD, STONEBRIDGE PARK, LONDON, N.W.10

The advertisement reproduced here is appearing in various Industrial Journals.

In most factories sound-conditioning is as essential as air conditioning. The best time to tackle this problem is at the planning stage in collaboration with an Acoustics specialist.

Designed for fuel economy . . .



THE COAL-ELECTRIC SADIA WATER HEATER combines a storage tank for a solid fuel boiler and an electric water heater

DUAL HEATING . . . *In winter* the hot water is provided from the solid fuel boiler . . . *in summer* it is heated automatically by electricity . . . the house or flat remains *cool* in summer and *warm* in winter.

BOILER PERFORMANCE IMPROVED . . . The effectiveness of the solid fuel boiler is increased by the calorifier which prevents fur deposits inside the boiler . . . the inlet and outlet are scientifically designed to reduce heat losses in the pipes . . . the tank is insulated with regranulated cork and the heated water remains hot for the morning bath even when the fire is allowed to die out in the evening.

SAVING IN INSTALLATION COSTS . . . Separate cold water feed pipes and header tanks are not required as the calorifier is self-filling and self-venting . . . the built-in cold water storage tank obviates the running of expansion pipes . . . in blocks of flats only one common down-service pipe is required for cold water.

May we send fuller details of the Coal-Electric Sadia Water Heater with ball tank ?

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SCOTTISH AGENTS: W. BROWN & CO. (ENGINEERS, LTD.), 89 DOUGLAS STREET, GLASGOW C.2,
DISTRIBUTORS FOR SOUTH AFRICA: SADIA WATER HEATERS (PTY.) LTD., 5, NEWTON STREET,
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diamonds shine too . .

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which Time will not mar and a value
undisputed the world over.

Is it really such a long way from diamonds to paint?

We admit one major difference—
our high gloss costs infinitely less. As an investment,
in any setting, it is equally safe.

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high gloss

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AIR HEATERS ENSURE FRESH WARM AIR INDOORS

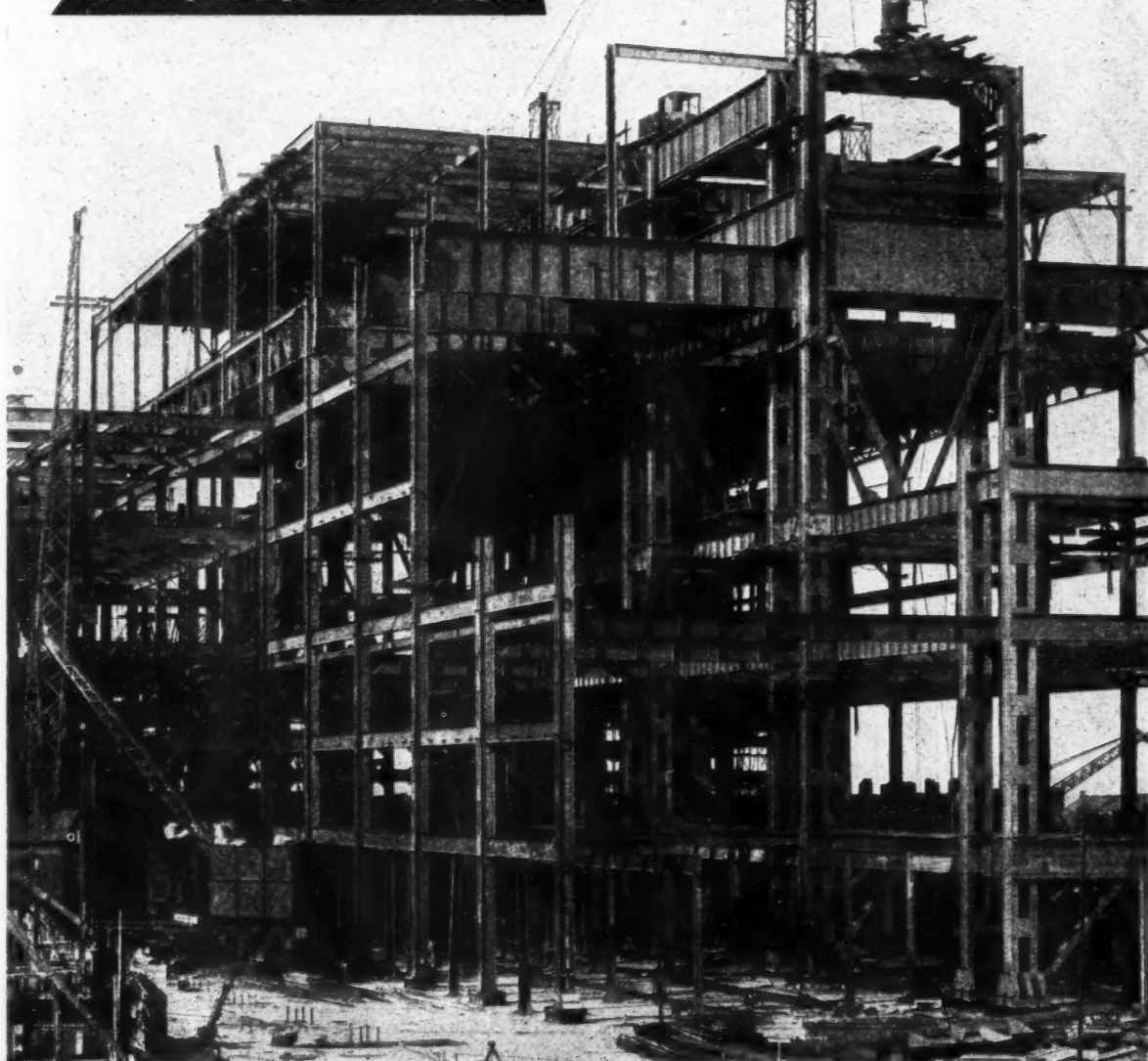
Sole Makers: T. E. SALTER LIMITED TIPTON STAFFS.

Telephone: TIPTON 1657/1658

HORSELEY-PIGGOTT

Steelwork

IN POWER STATIONS



BRITISH ELECTRICITY AUTHORITY

OCKER HILL

Extension doubling the existing station.

WALSALL

One of the largest Power Stations in the Midlands.

The view shows part of the Steelwork for the Walsall Power Station.

HORSELEY BRIDGE AND THOMAS PIGGOTT LTD

HORSELEY WORKS · TIPTON · STAFFS · PHONE 1104 P.B.X
LONDON OFFICE · 157 VICTORIA STREET · WESTMINSTER · S.W.1



AIR COMPRESSORS *and* **PNEUMATIC TOOLS**

You can **BUY** sound, modern equipment from the comprehensive stocks of **PORTABLE COMPRESSORS** and **TOOLS** held at **WARD'S** many Depots throughout the country. If more expedient, you can **HIRE** this equipment on especially attractive terms against the needs of the moment. In either case you will find **WARDS** provide a thoroughly dependable service—full details of which will be forwarded on application.

WARD'S HIRE FLEET

is the most modern and one of the largest in the country, and includes Excavators, Cranes, Bulldozers, Scrapers, Locomotives, Dumpers, Loading Shovels, Concrete Mixers, Air Compressors, Pumps, Lifting and Hauling Tackle of all descriptions.

THOS W. WARD, LIMITED, Albion Works, Sheffield
TELEPHONE: 26311 TELEGRAMS: "FORWARD" SHEFFIELD

London Office: **BRETENHAM HOUSE, LANCASTER PLACE, STRAND, W.C.2**

PP6

STEEL WINDOWS AND DOOR FRAMES



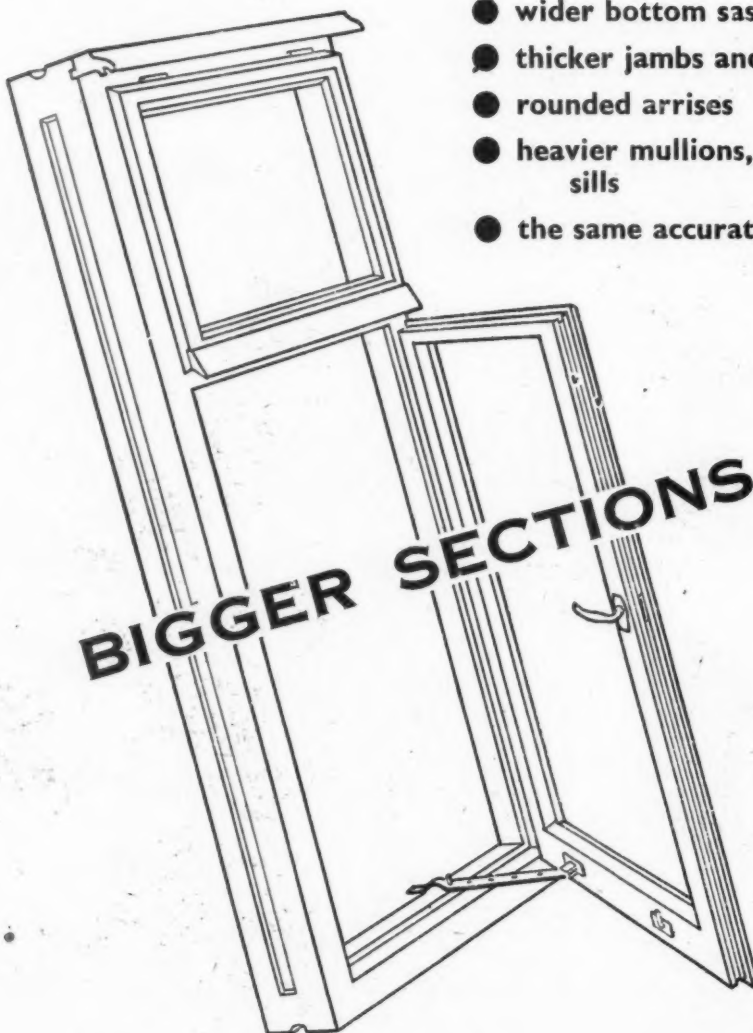
SANDRINGHAM ROAD HOUSING ESTATE
Hackney Borough Council

Architects: Norman & Dawbarn, F.F.R.I.B.A., 5 Gower Street, London, W.C.1

An architectural feature of this housing
project is the standard metal windows
and steel door frames supplied by

**JOHN THOMPSON BEACON WINDOWS
LIMITED** WOLVERHAMPTON

The NEW AUSTIN-HALL WINDOWS have



- wider bottom sash rail
- thicker jambs and heads
- rounded arrises
- heavier mullions, transoms and sills
- the same accurate workmanship

BIGGER SECTIONS

JAMBS & HEADS .. $2\frac{1}{2}'' \times 3''$
SILLS .. $3'' \times 3''$
MULLIONS &
TRANSOMS .. $2\frac{1}{2}'' \times 3''$
CASEMENT
BOTTOM RAILS .. $2\frac{1}{2}'' \times 1\frac{1}{2}''$

The provision of throating on jambs, heads, transoms and mullions as well as sashes, coupled with the rigidity ensured by ample sections, makes a weather-tight window.

Correctly positioned head-moulds enable ventlights to be fully opened for painting inside. Rounded arrises ensure full protective coat of paint on all angles.

AUSTIN-HALL GROUP OF COMPANIES

AUSTINS OF EAST HAM LTD.

GRAnewood 3444

LONDON E.6

LIGHTING THE WAY

to health and efficiency

PUBLIC BUILDINGS

Good lighting is essential in public buildings, libraries and local government offices. Ekco fluorescent lamps and fittings provide a background of restful, glarefree and efficient lighting which both enhances the dignity of the premises and aids the speedy and pleasant transaction of business.

OFFICES

Where close figure-work is constantly in progress, inadequate lighting hampers speed and accuracy by causing eyestrain, headache and discomfort. Ekco planned lighting provides shadowless, glareless illumination in which staff can work for long periods without fatigue or loss of efficiency.

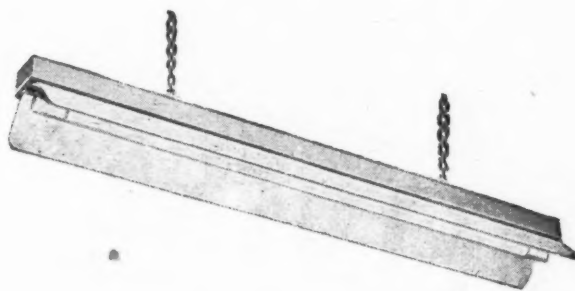
FACTORIES

The benefits of Ekco planned lighting are seen in fewer accidents, less waste and spoilage and improved working conditions, leading to greater efficiency, happier staff relations and increased output.

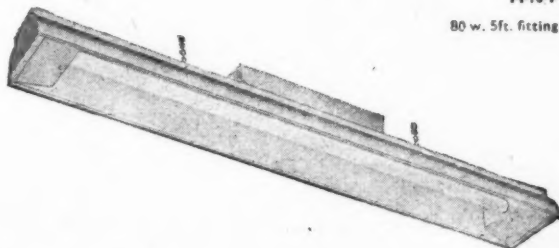
SHOPS

A range of decorative fluorescent lighting fittings is available for store and shop lighting. The illumination given by these Ekco fittings attracts the passer-by and displays merchandise to best advantage. Many designs are available in various sizes, permitting uniformity of lighting throughout large stores with utmost current economy.

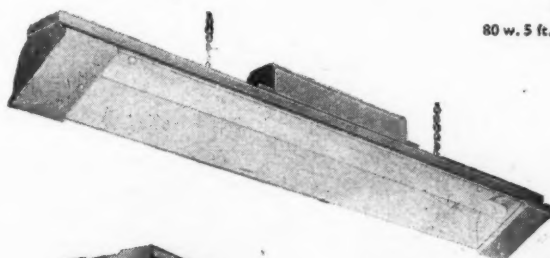
The study of industrial and commercial illumination is the specialised business of the Ekco-Ensign Lighting Advisory Service, which will gladly submit planned lighting schemes for any class of building, without obligation.



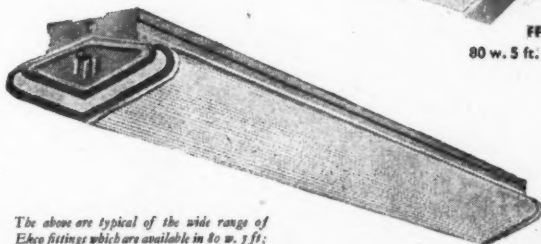
FF10/P
80 w. 5ft. fitting



FF13
80 w. 5 ft. fitting



FF13/A
80 w. 5 ft. fitting



FF4/201/DX
40 w. 4 ft. twin-lamp fitting

The above are typical of the wide range of Ekco fittings which are available in 80 w. 3 ft.; 40 w. 4 ft.; 40 w. 2 ft.; 20 w. 2 ft.; Single, Twin and Triple lamp types.

EKCO

FLUORESCENT LIGHTING for commerce and industry

EKCO-ENSIGN ELECTRIC LTD · SOUTHEND-ON-SEA

Telephone: Southend 49491

Lighting Advisory Service and Sales Offices:—

Southern: 5 Vigo Street, London, W.1. REGent 2601 Northern: Kent Street, Works, Preston, Lancs. Preston 4628

Sales Offices:

South Wales: 50 Bridge Street, Cardiff. Cardiff 5426 Midland: 40/42 Summer Row, Birmingham 3. Central 2997

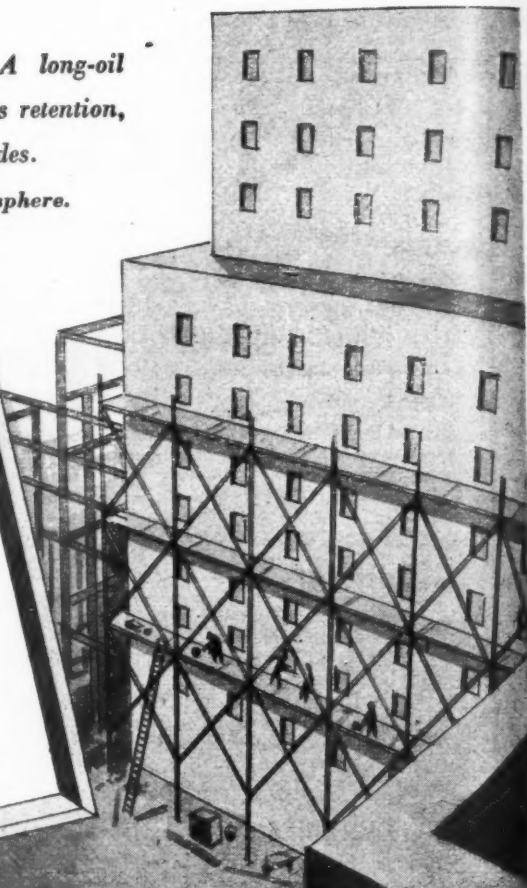
E. Midland: 57 Hounds Gate, Nottingham. Nottingham 45862 Scottish: 26 India Street, Glasgow, C.2. Central 2012

Visit our showrooms at 5 Vigo Street, W.1. (Two minutes from Piccadilly Circus)



For protection and fine finish. A long-oil Enamel of extreme durability and gloss retention, in 20 attractive permanent shades.

Particularly resistant to Sea Atmosphere.



Easier for everybody



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Housing problem All over the country, new houses and blocks of flats are going up. With a new place to live in comes a new way of living. For leisure, for cleanliness, for greater ease of living generally, an abundant electricity supply is vital.

Construction programme To furnish this larger supply, and to keep pace with the growing demands of our expanding industry, British Electricity are building 38 new power stations and installing new plant in 43 existing stations; and thousands of miles of new transmission and distribution lines are being provided.

*Electricity —
more power
behind production*

BRITISH ELECTRICITY

REINFORCED CONCRETE ROADS



Cheapest in the long run

WITH
REINFORCEMENT BY

★ McCall's Matobar welded steel reinforcement was used in the laying of Stradbroke Road, Sheffield, shown above.

Contractors: Sheffield Corporation Public Works Department.

City Engineer: J. M. Collie, Esq., C.B.E.,
A.M.I.Mun.E.

McCALL'S

McCALL & COMPANY (SHEFFIELD) LIMITED
TEMPLEBOROUGH SHEFFIELD and at LONDON

SRB 23

In full supply

Licence Free

PLUTO BOARD

This invaluable material consisting of resin-bonded asbestos has advantages over all forms of plywood, hardboards and laminated boards.

Special Properties

Class I for flame spread resistance
Dimensional stability
Immunity to vermin and dry rot
Strong, tough and durable
Good flexibility
Fully workable
Water and weather resistant
Attractive finishes easily applied

Manifold Uses

Partitions
Splashbacks, Fittings
Wall Linings
Panelling
Tropical Packing Cases
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Technical assistance is available where special applications of Pluto Board are being considered

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Tel. : CLErkenwell 4582.

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THE METAL AGENCIES CO., LTD.,
Colston Street, Bristol, 1.
Tel. : Bristol 21061.

J. O. WALKER & CO., LTD.,
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Tel. : Coventry 3037.

Manufactured by

THE CAPE ASBESTOS COMPANY LTD.

114116 PARK STREET, LONDON, W.1.

Telephone : Grosvenor 6022



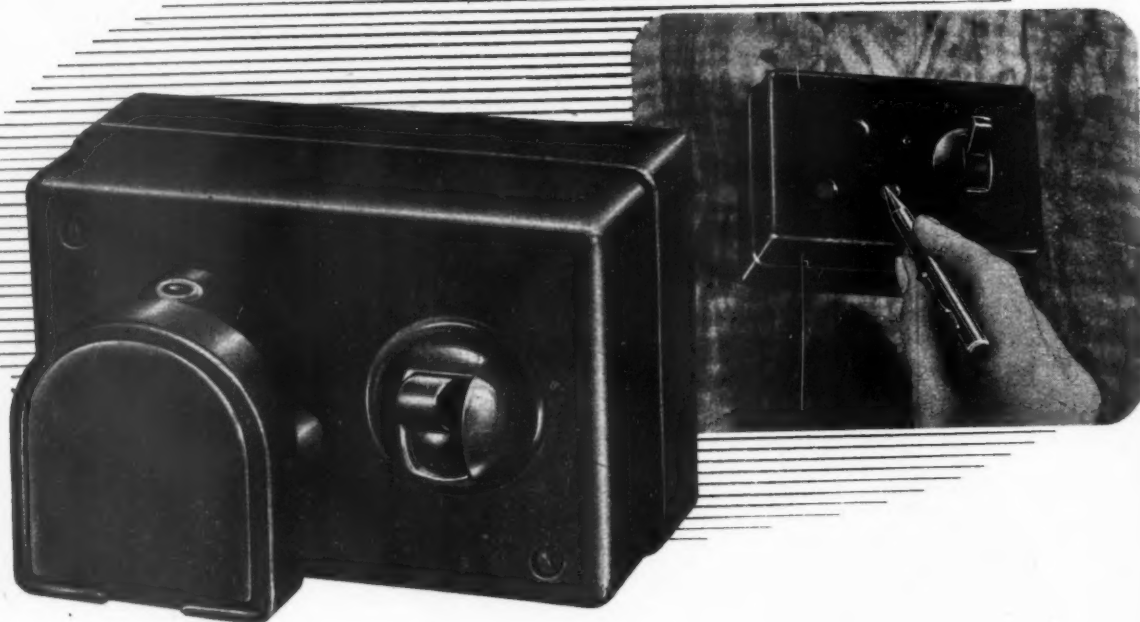
Permanently coloured granules . . .
manufactured by the Marley Tile Company
are now used for surfacing all Marley Roofing Tiles

Marley Granules not only give a permanent colour but also a distinctive texture which assists the tiles to weather. With this process a range of blended coloured tiles is available in addition to the standard range of colours. *Rub or wash a Marley tile and note the absence of free colour.* The specification of **MARLEY TILES** for all roofs ensures tiles which are strong and dense—plus permanence of colour.



THE MARLEY TILE COMPANY LIMITED • SEVENOAKS • KENT

BUILDING EXHIBITION STANDS H166 and H167



*The **TEMCO** shutter makes others out of date because...*

- ★ the phase tubes cannot be exposed by pushing the shutter out of position with a pointed instrument.
- ★ the insertion of a pencil in the earth does not operate the shutter.
- ★ to operate the TEMCO shutter, the plug must be properly inserted.

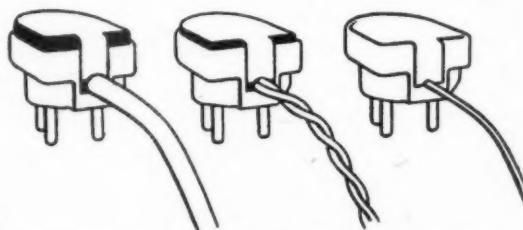
TEMCO switch sockets are available in surface and flush types, 5 amp., and 15 amp. brown and white. Suitable for use on A.C. or D.C.

They comply with B.S.S. 816 and B.S.S. 546.

Brief specification:—Porcelain base; quick make and break switch action; moulded dolly has no metal inserts; ringed contact tubes; recessed back with knock-outs.

ANOTHER EXCLUSIVE TEMCO FEATURE... the 'variable cord grip'.

TEMCO Plugs adjust themselves automatically to suit varying thicknesses of flex. There are no loose parts.



Write for CATALOGUE Series 2 OF TEMCO ELECTRICAL WIRING ACCESSORIES

Manufactured by:

TELEPHONE MANUFACTURING COMPANY LTD.

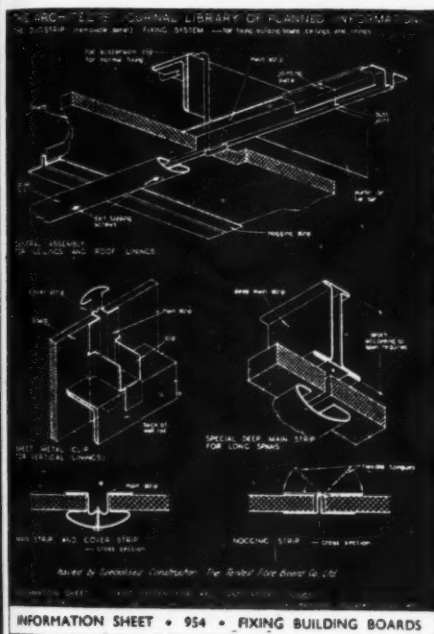
and Marketed by their Sales Organisation:

T.M.C.-HARWELL (SALES) LTD

37 UPPER BERKELEY STREET, LONDON, W.1. Tel: Paddington 1867-8-9

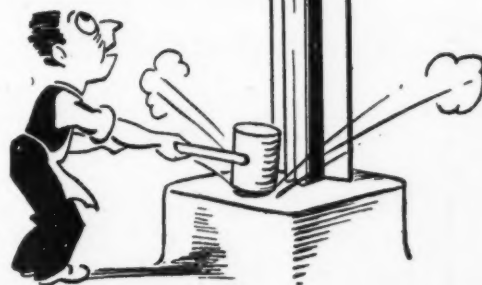
TENTEST FIXINGS STILL RING THE BELL...

In 1945 we introduced our "DUOSTRIP" fixing and since that date our Specialised Construction Department have carried out many very nice jobs with this unique fixing. It incorporates a main strip of "top-hat" section and a separate "C" section cover strip fixed with self-tapping screws, thus providing a secure and rigid fixing, with joints sealed firmly against dust or draughts, whilst permitting any panel to be removed and replaced without damage or disturbance to other panels.



DUOSTRIP can be used with all types and thicknesses of building boards and it is unrivalled for the type of work for which it was specially designed. We pioneered metal-to-metal fixings for Building Boards and still lead in the variety and efficiency of our methods. We are therefore able to offer the best solution to each of your various lining problems.

We shall be pleased to send you information sheets describing some of our Specialised Construction methods and to submit estimates for supplying and fixing complete. We can advise on all aspects of the Thermal Insulation of buildings and copies of our booklet "Structural Insulation" are available to those studying or dealing with this increasingly important subject.



TENTEST FIBRE BOARD CO. LTD., 75 Crescent West, Hadley Wood, Barnet, Herts
Telephone: BARnet 5501 (5 lines) Telegrams: Fiboard, Norphone, London

Telegrams: Fibboard, Norphone, London



Athenaem Court, Piccadilly, London, W.1. Architect : E. I. Hamilton-Parks

Another well-
known building
has a 'facial'

"SILEXINE" Stone Paint, as used on Athenaem Court, is supplied in a range of twelve standard colours. It is suitable for application by brush or spray to a great variety of surfaces including concrete, stucco, brick, plaster, asbestos cement, building board and painted or distempered surfaces.

The window surrounds at Athenaem Court have been painted with Silexine Super Gloss Paint, and the internal walls with Silexine Plastic Emulsion Coating (until recently known as Stella 1205).

Full particulars of any or all of these Silexine paints will gladly be supplied, together with specifications, notes on preparation of surfaces and colour specimens.

Silexine Paints Limited, Richford Street, Goldhawk Road, London, W6. Telephone : *Shepherds Bush 4461-2*



RESIDENTIAL CLUB AT 44 BRYANSTON SQUARE, W.1

Architects : JAMES CUBITT and PARTNERS

(Illustrated in this issue)

THE WHOLE OF THIS WORK WAS ENTRUSTED TO

GRIGGS & SON

LIMITED

BUILDING and CIVIL ENGINEERING CONTRACTORS

ESTABLISHED 1887

56 VICTORIA STREET, LONDON, S.W.1


VICTORIA 9641



Mr Metsec
WOULD LIKE TO
MAKE IT A
Merry Xmas

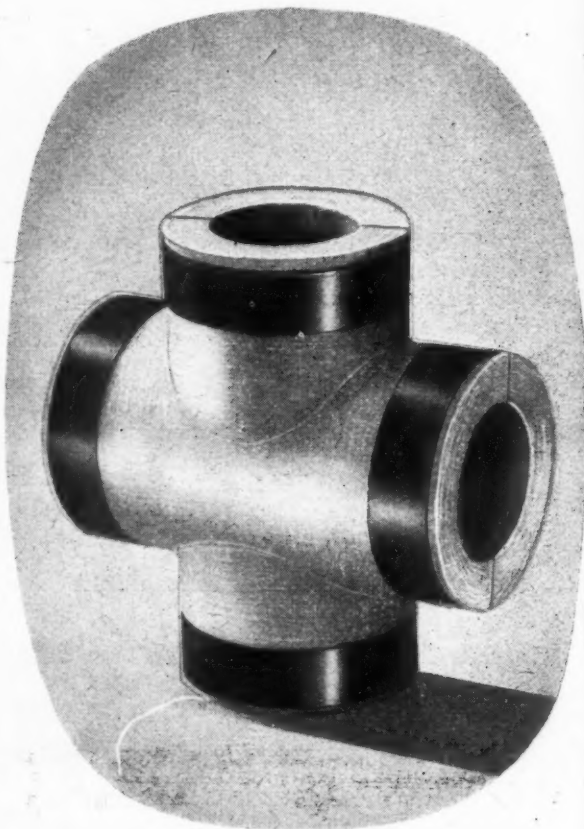
Mr. Metsec's good wishes for the Festive Season and the Coming Year are equally as limitless as the possibilities of cold formed sections in brass, copper, aluminium alloy and other metals — can be for you in 1950.

* Descriptive literature is available on request to:—
METAL SECTIONS LIMITED, OLDBURY, BIRMINGHAM. Tel: BROADWELL 1461
Member of the Cold Rolled Sections Association

VERSIL

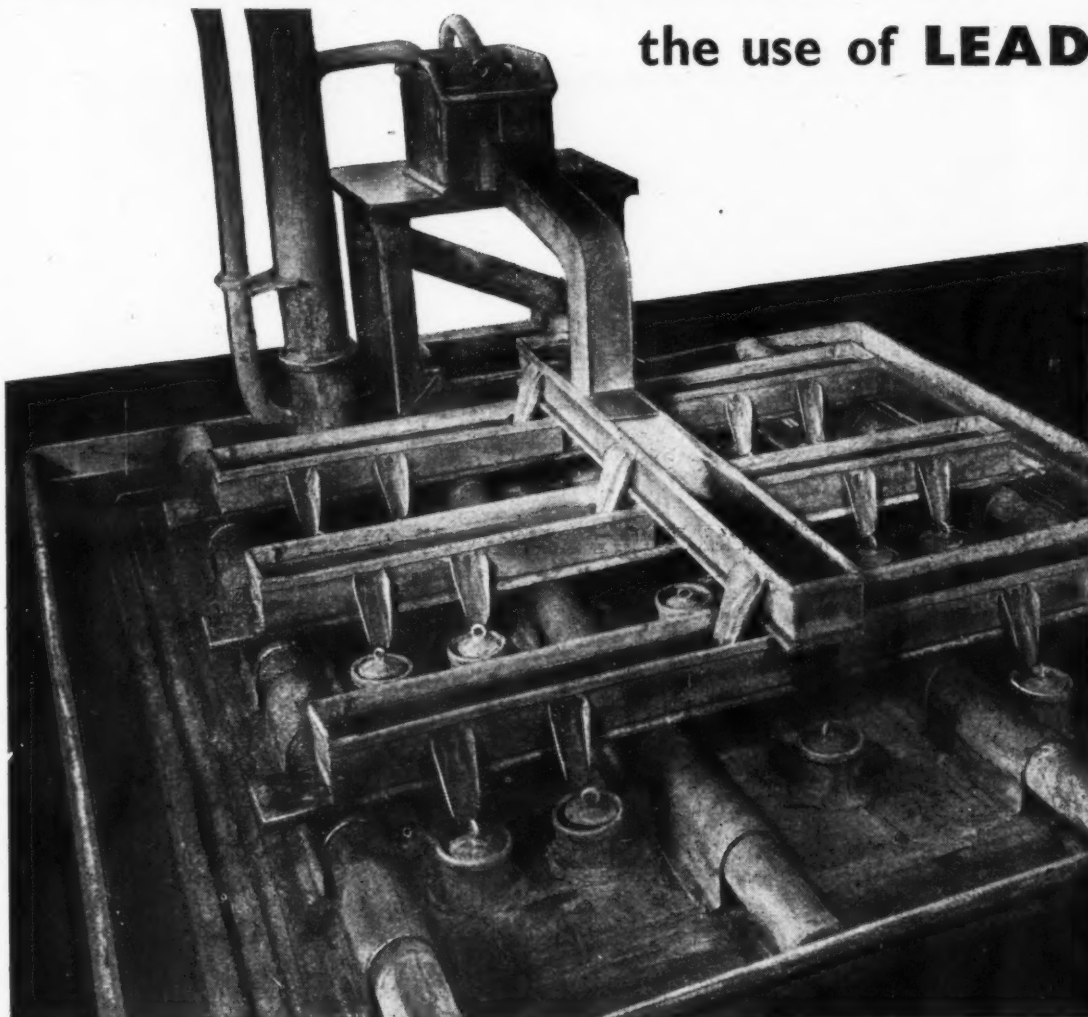
BENDS, TEES AND ELBOWS, like flanges and valves, take more "hard knocks" than straight pipe lines. Because of this, Versil pre-formed coverings are made from glass silk fibres, bonded and built into sturdy, removable units. They are clean and attractive and one of the most efficient forms of thermal insulation now available. Versil pre-formed units are made to fit all standard pipe fittings.



Versil pre-formed insulating materials can be finished to suit all conditions. For details ask: Versil Ltd., Rayner Mills, Liversedge, Yorkshire

glass silk
ALL-PURPOSE INSULATION

Economical corrosion-resistance means the use of **LEAD**



Photograph by courtesy of Brotherton & Co. Ltd.

**THERE IS
NO SUBSTITUTE
FOR LEAD**

Now in plentiful supply

Lead has been used in this Acid Distributor
at the top of a Glover Tower, because only Lead gives
the necessary high degree of corrosion-resistance
so economically.

h
LEAD

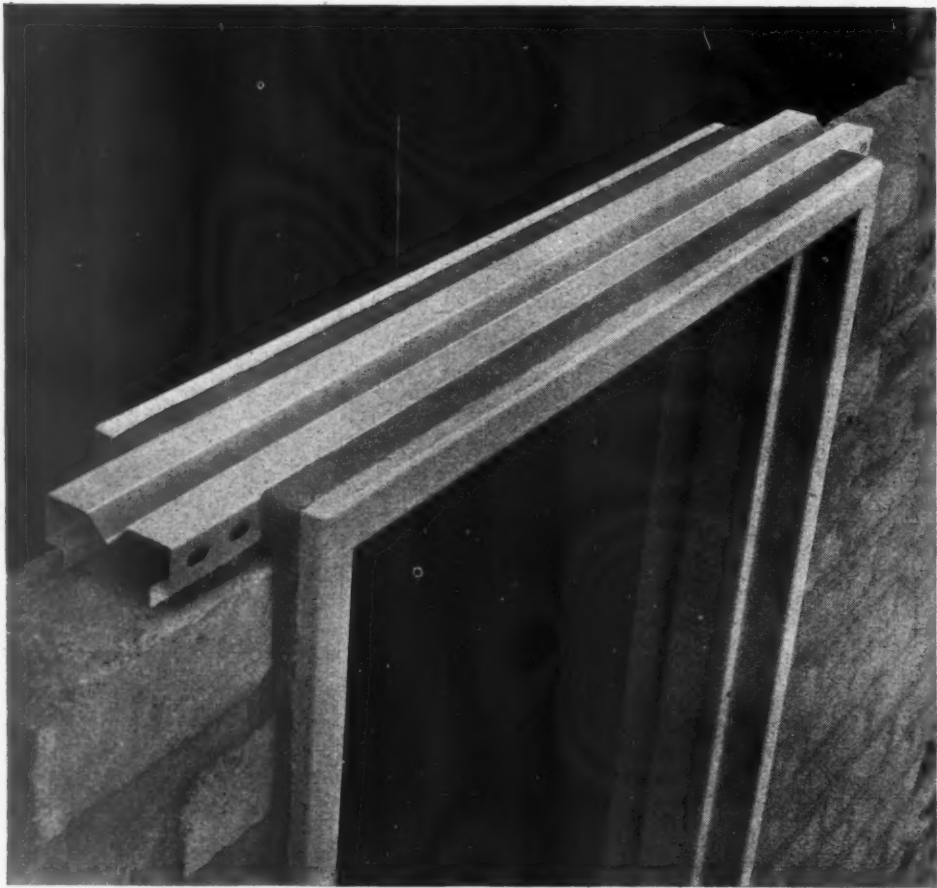
The Technical Information Bureau of the Lead Industries Development Council exists to give assistance on problems relating to the use of lead sheet and pipe in building work. Details of its application are given in a series of Information Sheets. These Sheets are available to architects, surveyors, builders, plumbers and other technicians interested upon application to the Council. "Students" applications should be endorsed by an instructor or master of a technical school.

LEAD INDUSTRIES DEVELOPMENT COUNCIL, EAGLE HOUSE, JERMYN STREET, LONDON, SW1

LEAD TECHNICAL INFORMATION BUREAU, 25 LOWER BELGRAVE STREET, LONDON, S.W. 1.

TELEPHONE: SLOANE 0474

B74/4/40



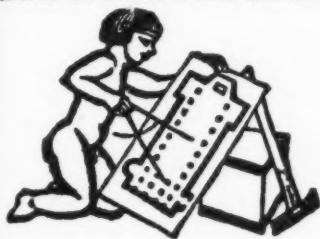
HOPE'S

BOXFORM Steel LINTEL

for Steel Door Frames
combines great strength with light weight

HENRY HOPE & SONS LTD
SMETHWICK, BIRMINGHAM & 17 BERNERS STREET, LONDON, W.1

In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. 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 17s. 6d. each; carriage 1s. extra.



DIARY FOR DECEMBER JANUARY AND FEBRUARY

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 given in the glossary of abbreviations on the front cover.

BIRMINGHAM. *National Exhibition of Architectural Students' Drawings.* Birmingham College of Arts, Margaret Street. (Sponsor, Arch. SA in conjunction with NUS.) Daily, 10 a.m. to 4 p.m.
DEC. 31 - JAN. 6

LONDON. Professor L. Dudley Stamp. *The Use and Misuse of Land.* 12, Great George Street, S.W.1. (Sponsor, RICS.) 5.30 p.m.
JAN. 2

R. E. Enthoven. *Pillars of the Past.* Three informal talks for boys and girls. Henry Jarvis Memorial Hall, 66, Portland Place, W.1. (Sponsor, RIBA.) JAN. 2, 4 and 6

Hope Bagenal. *Concert Halls.* 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m.
JAN. 3

The Painting of Buildings. Colour film by ICI. At Waldorf Hotel, Aldwych, W.C.2. (Sponsor, IRA.) 6.30 p.m.
JAN. 6

H. R. Humphreys. *Acoustics and Sound Insulation.* Kent Room, Caxton Hall, S.W.1. (Sponsor, IAAS.) 6 p.m. JAN. 11

E. S. Hodges. *Fire Prevention in Buildings.* Kent Room, Caxton Hall, S.W.1. (Sponsor, IAAS.) 6 p.m. FEB. 8

COMPETITIONS

York Festival, 1951, Competition. The York Festival Society, Ltd., invites architects resident in Great Britain and Eire to submit designs in competition for a block of flats in Paragon Street, York, to be built by the corporation of the city of York as part of the city's housing programme. Organized in connection with York Festival of 1951 (June 2-16), when it will be open for public inspection. Premiums: £250; £150 and £75. Assessor, W. A. Eden. Conditions may be obtained, on payment of £2 2s., from Keith Thomson, York Festival, 1, Museum Street, York. Designs to be received by January 18.

Competition for designs for interior treatment of two saloon bars and two public bars. (Sponsor, The Architectural Press Ltd.) Prizes: (1) £500; (2) £250; (3) £100. Assessors: Hugh Casson; J. S. Eagles; R. Furneaux Jordan; E. B. Musman; and J. M. Richards (representing the editors of *The Architectural Review*). Designs must be received by mid-day, February 28, 1950.

Art School, Jersey, Channel Islands. The Association of Old Victorians invite architects of British nationality to submit designs in competition for war memorial buildings proposed to be erected in the Victoria College Grounds, Jersey, Channel Islands. Assessor:

A. E. O. Geens. Premiums: £75, £50 and £25. Completed designs should be sent to A. H. Worrall, hon. treasurer, The Association of Old Victorians, 25, Cleveland Road, Jersey, C.I., not later than April 3, 1950. Questions must be received on or before December 31 by Mr. Worrall, who will also provide a copy of the conditions on the deposit of £1 ls. Following are extracts from the conditions:—The elevation should be treated in a restrained and dignified manner, having regard to the existing buildings of the Victoria College, which are mainly built of granite in the Gothic style. The entrance porch should be approximately 14 ft. by 12 ft. It is the intention of the promoters to use this entrance porch as a War Memorial to past students of the College. Adequate space should be provided for a memorial tablet. The main studio should be approximately 34 ft. by 20 ft. by 14 ft. in height. Four smaller studios are also required.

NEWS

THURSDAY, December 22, 1949
No. 2863 VOL. 110

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Information Sheets:

33.C11 Lead Plumbing for Laboratories	To face page 708
1.B49 Architectural Perspective in Gouache and Water Colour	
Barracks for the RAF	711
Bus Station at Newbury Park	714
Housing at Market Downham	717

Technical Section:

Information Centre 719
Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis.

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

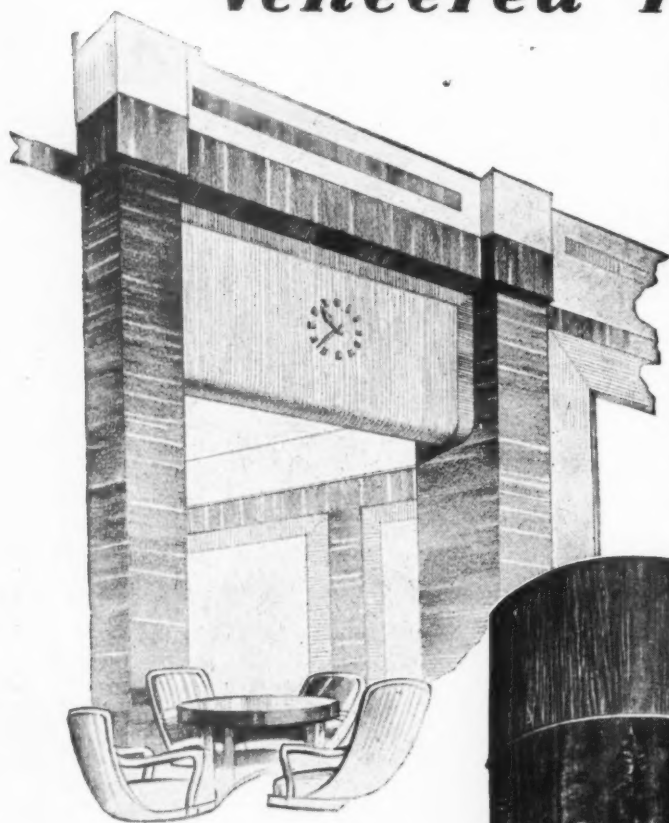
★★ means important news, for reasons which may or may not be obvious.



This terra cotta memorial, the work of Fr da Skinner, head of the Sculpture School, Wimbledon School of Art, was unveiled at St. Mary's, Battersea, on December 11. It is dedicated to men and women of Battersea who died in the two world wars.

ESSENTIALS IN INTERIOR DECORATION

Veneered Panelling

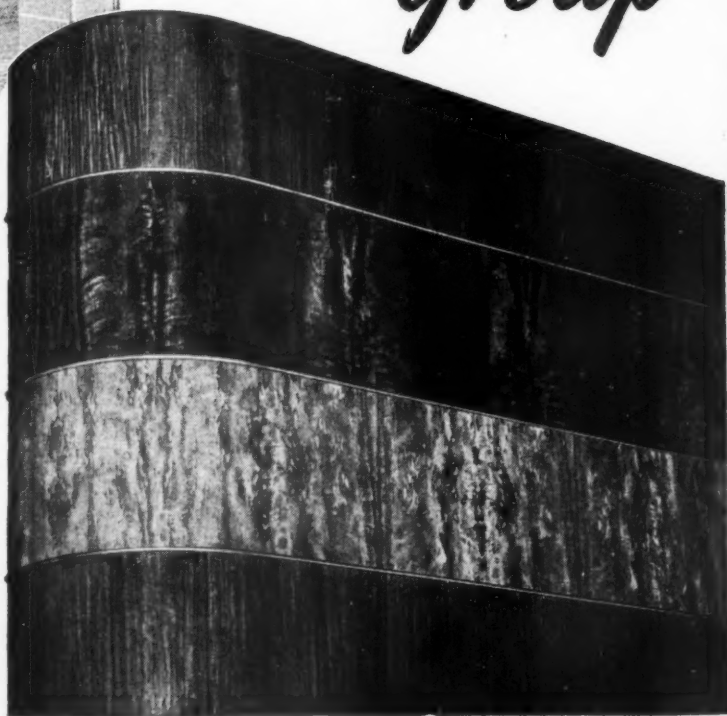


ESSENTIAL FEATURE IN
SUCCESSFUL MODERN
DECORATIVE SCHEMES
DEPENDS UPON THE
EQUALLY INDISPENSABLE
PRODUCTS OF THE

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TELEGRAMS: "ALMONER," LONDON

From AN ARCHITECT'S Commonplace Book

IT'S THAT MAN AGAIN. [*From Heavenly Mansions, by John Summerson (The Cresset Press. 21s.)*.] This is an age which has rediscovered nonsense—or perhaps, which has discovered that only a hair's breadth divides the nonsense of Lewis Carroll or Itma from the imagery of Shakespeare or the modulations in a Beethoven Sonata. I cordially agree with Mr. Wyndham Lewis who has said in a recent article that a great deal of Picasso is “just witty nonsense—and none the worse for that.” Much of Le Corbusier is “witty nonsense,” though on that plane of seriousness which an architect who is spending large sums of somebody else's money must necessarily perform. I hardly think we can explain this nonsense by reference to particular examples, because nonsense is really inexplicable. When Tommy Handley says that he can't afford to dress shabbily and the Colonel observes “Chablis?—a glorious wine—I don't mind if I do,” it is really not practicable to inquire why several million people throw their heads back and make a crowing noise like a six-months old baby. But Le Corbusier's nonsense is rather of this order—sudden, irresistible. One can, perhaps, illustrate his topsy-turvydom by imagining a conversational encounter with the man. In the course of it we observe, naïvely enough, that “the house stands in the garden,” to which Le Corbusier replies, “No, the garden stands in the house,” proving his assertion by an executed design in which this is, in fact, the case. We suggest that “a building is, in principle, four walls with window for light and air” and he replies that “on the contrary, a building may just as well be four windows, with walls for privacy and shade.” We put it to him as axiomatic that a park is a space for recreation in a town and he replies, “Not at all; in the future the park will not be in the town but the town in the park. Work, after all, is an incident in life; life is not an incident in work.” ... And one last example—Le Corbusier is the great apostle of fresh air, so what does he do but advocate that (in certain cases) all windows shall be hermetically sealed—so that mechanically freshened air can be pumped in.

★★

The LCC are considering TRANSFERRING RESPONSIBILITY FOR HOUSING from their VALUER to their ARCHITECT.

Following are extracts from a report made by the General Purposes Committee to the Council on Tuesday:—The Council decided on December 18, 1945, as a temporary measure for a period of three years in the first instance, to transfer to the valuer (re-designated director of housing and valuer) the responsibility for the design and erection of houses and flats formerly resting with the architect and the chief engineer, with certain specified exceptions.

The Committee have come to the conclusion that the time is opportune for the Council to decide in principle to transfer to the architect, its chief architectural adviser, the responsibility for the Council's housing architecture. He should also advise, after consultation with the director of housing, on the use of private architects. The specialist duties which were reserved to the chief engineer even during the present temporary

arrangements would not be disturbed. Such a decision would again bring the housing work into accord with the normal functional basis on which the Council's work is organized, the special necessity for temporarily abandoning that basis which was fully justified at the time having now, in the Committee's opinion, lapsed. It would have the added advantage of concentrating in the architect's department the responsibility both for the preparation and execution of housing schemes and their consideration under town planning, so far as schemes in London are concerned. The former practice of consulting the director of housing on maintenance and management aspects would be resumed.

Before coming to this conclusion the General Purposes Committee have considered how such a change could be introduced at the present time without an adverse effect on the flow of housing production. With this object in view, the Committee propose that the whole responsibility should not be transferred to the architect in one operation. The maximum housing output will be maintained if (i) the director of housing and

valuer carries to completion the schemes approved both by the housing and town planning committees before January 1, 1950, unless otherwise decided in any particular case, and (ii) the architect becomes responsible from that date for the initiation of all new schemes. As all schemes for cottage estates have been approved, this work would remain with the housing and valuation department, unless otherwise decided in any instance under the foregoing proviso, or unless a new cottage estate were to be developed.

The consequent transfer of housing, architectural and other staff from the housing and valuation department will be gradual, and cannot commence on January 1, 1950. To ensure that the architect's schemes shall be of the highest possible quality, an appropriate initial staff should be provided. This staff will be additional to that now engaged in the housing and valuation department on architectural work in connection with housing, but as the immediate increases will be kept to the absolute minimum needs, and, as the changeover proceeds, it is expected that the total number of authorized staff will not be ultimately increased.



This tube car, which has been put into operation on the Bakerloo line in London, is a converted car of the present standard pattern. A high window line has been provided to give more light for passengers.





The End of the Term

Pantomime is the traditional accompaniment to Christmas holidays. Above is a view backstage of two of the students appearing in the AA end-of-term pantomime titled: "To Thine Own Self be True," or "Aladdin and His Wonderful Lamp." The performance, which is reviewed by

ASTRAGAL on page 699, contains many of the essential ingredients of pantomime, including a stage-bull and a lovely principal boy. With this seasonal note the JOURNAL takes the opportunity of wishing all our readers a Merry Christmas and a Happy New Year.

The CID are displaying examples of good CRAFTSMANSHIP in "SOUVENIR" PRODUCTION.

The exhibition, at Murray House, Petty France, S.W.1, which includes souvenirs produced in Denmark, Sweden and Switzerland, is designed to stimulate the production of articles of the same quality in this country, particularly in view of the fact that there will be a great demand for souvenirs in 1951. According to the Council nothing is being shown which has not got some bearing on what *could* be done in this country, either with ingenious use of native material, or by looking at traditions with greater imagination.

The CID are anxious to ensure that British souvenirs play their proper part during the Festival of Britain. For this reason they have appointed Mr. A. Murray, who has a wide experience in the crafts, to handle the subject for them.

The MOW has issued a new TIMBER ECONOMY MEMORANDUM.

This memorandum, "Use of Timber in all Building Work" (Timber No. 2, published by HMSO, price 6d.), has been prepared by an inter-departmental committee, composed of representatives of Government organizations including the Building Research Station and the Forest Products Research Laboratory. The recommendations made have been designed to bring about the greatest possible saving in softwood by reducing the total volume used in building work, and also by making greater use of the smaller sizes of timber, which will permit maximum output of usable timber from available logs.

Information is given on the light and medium hardwoods which are now available and can be used in substitution for softwood. Details are included of restrictions imposed on the use of softwood in a number of building operations, and of the maximum sizes in which timber is to be used for joists, rafters, purlins and floorboards.



Mr. D. W. Nolley, who took up the appointment of Head of the Nottingham School of Architecture recently.

THE ARCHITECT AND THE THEATRE

THE central problem round which discussion of modern theatre design appears to revolve is that of establishing the necessary "rapport" between the actor and his audience. Since the beginning of the last century there has been a strong tendency on the part of the audience to regard what passes on the stage in the light of a moving, speaking picture. Such an experience has ceased to be valid in the theatre since the appearance of films, and the legitimate stage must fall back on the one quality that has no substitute, the living presence of the actor himself. How this quality can best be reinforced is a matter of immediate concern to the architect.

During the last twenty or thirty years the trend in theatres has been towards improving the conditions of comfort in the auditorium with respect to seeing and hearing. This involved the provision of better sight lines by the abolition of the circles extending round the sides of the auditorium, the gradual disappearance of the large pit and gallery, and the extension of the main ceiling in a great acoustic arc from the top of the proscenium to the back of the highest circle. In all but a few technical details the fan-shaped auditorium that resulted was identical in conception and distribution of volume with the super-cinema. Certain qualities of intimacy, noticeable in the older theatres, were, however, felt to be lacking, and large areas of applied decoration appeared where before there had been people. This decorative scheme was usually undertaken by a separate designer, the theatre architect thus being relegated to the position of a technical consultant capable of satisfying the esoteric demands of the byelaws.

As a result of these short-comings, architects and theatrical experts have been meeting to discuss their various problems. In consulting these experts, however, the architect is faced with a bewildering divergence of opinion on the subject of what really constitutes the intimate atmosphere so conspicuously lacking in modern auditoriums. There is the school that advocates a large and permanent forestage, the school that would abolish the proscenium, and that which demands the return of side seating in the circles, and even the restoration of the stage box.

It is, perhaps, possible for the ingenious architect to reconcile all these demands for a theatre of small seating capacity, used for specialized productions where new or revived ideas are essential. In the larger and more general theatre, however, which depends for its very existence on financial considerations, such a high degree of flexibility is not always possible or even desirable. The real problem facing the architect is not to provide the unusual for experimental purposes, but to create a norm for general use. Although a greater variety of theatre types may be desirable, it would seem to be imperative that architects should stop playing with new, or

reviving old forms in the theatre, and content themselves with examining the serious defects in the design of existing theatres, and with improving on them to the best of their ability. It is necessary, in fact, to provide for the state of the drama to-day, not for its state in the time of Queen Elizabeth, nor for its ideal state in a Utopia conceived rather on the drawing board than in reality.

Discussion of the subject has gone as far as it can ever go; it has cleared some of the ground and shown up the problems that have to be faced. Many municipal authorities are already considering the building of new theatres, and the next ten or twenty years alone will show whether the present collaboration of architects and theatre experts will produce solutions acceptable alike to the actor and to the audience.



The Architects' Journal

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N O T E S

&

T O P I C S

S'NO ESCAPING SNOWSCAPES

By this time my readers, whose taste in art and poetry is, at all other times irreproachable, will be lining their rooms with hideous work from brush and pen. Mantel shelves will be littered with vivid pictures of fiery red candles, spilling their tallow into cheerful clichés. And once again friends and relatives will have appended their signatures to the sort of poetry that is only tolerated in seasonal messages and English opera translations. However, this is a time for goodwill, and it must be realized that the Christmas card provides a necessary creative outlet for the master of the inverted sentence and the subordination of Claus in favour of Ye Olde English Snow Scene.

This is not a preface to a plea for better quality Christmas cards. There is some-

thing oddly pleasant about a shelf filled with jumbled examples of commercialized greetings. It is certainly more pleasant to receive a bundle of colourful products of the card industry than the dignified printed message, or the small reproduction (purchased at the Tate by a corduroy friend) which always looks very self-conscious on the doormat. After all, most of us have a sentimental interest in the Old Fashioned Christmas, and as, unlike our grandfathers, we have no Dickens to recapture it for us, we must rely mainly on our Christmas card artists to fill the gap.

NELSON, THE GIANT-KILLER

Few of the ancient customs of the season remain, but in recent times there has been an agreeable revival of the popularity of the Christmas tree in an outdoor setting. (This year the LCC has arranged for illuminated trees to be set up at twelve places in London.) No doubt this revival of interest is prompted by the newly-formed custom of placing the gift tree from Norway in Trafalgar Square. Incidentally, I notice that this tree has been more intelligently sited this year. For the past two Christmases it has been at the base of Nelson's column—the one place in London where its impressive scale is dwarfed. It is now on the north side of the Square, where there is a lesser tendency for the eye to be led upwards from the tree to the column. Nevertheless, Trafalgar Square still seems the wrong site for the Norwegian gift. Although it is a less popular thoroughfare, Parliament Square would surely be the ideal place for it. Here sightseers would have a less interrupted view of the tree, which would dominate its immediate surroundings.

BUXTON SPAR

While on the subject of Parliament Square, I must refer briefly to the surging stream of protests surrounding the Buxton Memorial Fountain (illustrated on the opposite page). The question as to whether the fountain should be replaced when the Square has been replanned has caused arguments in the House of Lords and elsewhere. It is difficult not to be amused by those who want it to be re-erected on the solemn grounds that as a monument to the abolition of slavery it should remain in the "symbolic heart of the Empire." But it is equally difficult to sympathize with those who feel that such an example of Gothic architecture will mar a piece of twentieth-century re-planning. Surely this interesting and inoffensive work should remain in the Square, if only for the benefit of posterity, who may well be able to talk about it and the Albert Memorial in the same breath without giggling nervously.

TO THINE OWN SELF BE TRUE

The AA pantomime this year had all the right ingredients, and yet, I am sorry to say, it never quite came off. Admittedly, I saw the first performance, and there had been no opportunity, apparently, for a full dress rehearsal but, even so, a large amount of the vivacious spontaneity essential in a student performance did not appear to be there. The story was yet another variation on Aladdin and his lamp, with the correct trimmings of widow and mustachioed villain and an extremely odd crowd of characters to hold up the story in the usual pantomime style.

The fundamental fault of the production was the common amateur one of over-acting. The students were taking off the ordinary pantomime; one of the hardest things to do without gross and embarrassing over-statement. The solution lies partly in the title chosen: "To thine own self be true." By which, of course, I infer "true to the character you represent."

It appears to me that if the AA pantomime is to continue (and everybody hopes it will), the students must have more time to design and make good sets, and the time to write and rehearse. Having seen the high standard of performance of the AA Dramatic Society, it is only reasonable to expect a similar



Ian Colquhoun has sent us this photograph of a Reformed Church in Amsterdam South. (See letter, "Frank's Folly," and illustrations on this page on December 8).

entitled, *Warwick: Its Preservation and Development*; it is published by The Architectural Press for the Warwick Borough Council and it costs 12s. 6d.

TEAM FOR 1950

The news that Wells Coates and Jaqueline Tyrwhitt are going into partnership is of special interest because it brings together two people who have been pioneers in their own fields. Wells Coates was one of the leaders of the modern movement in this country when it started up twenty years ago and has always been remarkable for technical inventiveness with his usual flair for design. Jaqueline Tyrwhitt was equally a pioneer in the sociological and educational side of town-planning. Her work at the APRR bears much needed fruit today.

The partnership is another instance of the need, in present day conditions, for architectural *teams* rather than individuals, so that specialized knowledge can be combined with a broad view. ASTRAGAL offers them, and his readers, the compliments of the season and a happy and successful new year.

ASTRAGAL

LETTERS

A. L. N. Russell, F.R.I.B.A.

*Professor L. P. Abercrombie,
M.T.P.I., F.R.I.B.A.*

"Plebeian"

"Frank's Folly"

SIR.—You recently illustrated a shop front by Lloyd Wright, consisting of a large and completely blank expanse of brickwork with a mouse-hole entrance in the bottom left-hand corner. Through this hole the inquisitive observer is supposed to be "irresistibly" sucked into the shop, to see whose it is and what it sells.

Reading your comment that "it is obviously better that such experiments as this should be made" rather than that people should "blindly accept" the normal ideas about shop fronts I am led to irreverent reflections as to whether it is "obviously better" that people who have cock-eyed ideas should work them

standard for the AA pantomime. The students might well attempt to recapture the qualities of originality and inventiveness for which their pantomimes were once renowned.

However, though I may grouse, I am happy to relate that the audience did not.

LCC HOUSING

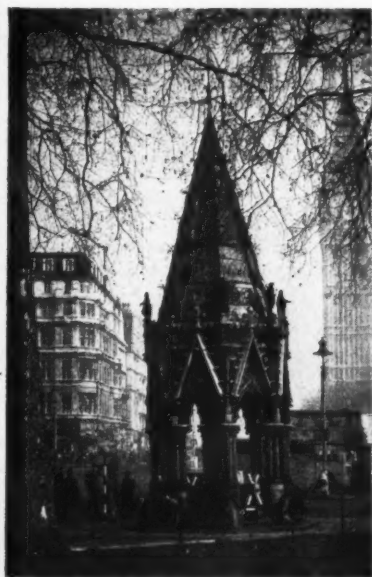
By the time these notes reach my readers the responsibility for the design of LCC housing in the future will have been decided in one direction or another. On Tuesday of this week the

Council discusses a recommendation by its General Purposes Committee that the responsibility should be transferred from the Valuer's department to the Architect. The change-over is to be a gradual one, in that it only applies to housing schemes not already approved by January 1, 1950.

This move will be generally welcomed. It has been a weakness in LCC organization—ever since housing was put under the Valuer in 1945 as a temporary expedient—that the bulk of the architectural work done by the Council was outside the sphere of the Council's own architect. This has naturally been seized upon by critics of the architectural quality of LCC housing. The Conservative opposition have put down a motion opposing this transfer, but I hope, in writing before the event, that at the Council meeting itself they will have shown that they realize that quality of housing ought not to be a party affair and that the change will have gone through. Then it will be up to the architect to show what he can do.

THE WARWICK PLAN

I owe an apology to Mr. Nickson, joint author with Sir Patrick Abercrombie of the plan for Warwick which I wrote about recently, for having spelt his name wrong. I might also have given some more details about the recent publication of the plan in book form. The book is



The Buxton Memorial Fountain, Parliament Square. (See note on opposite page).

A NEW CHILD WELFARE CENTRE



The first Child Welfare Centre in Birmingham, illustrated as a project in the JOURNAL for July 8, 1948, was completed recently. The Birmingham Health Committee intends to provide welfare centre facilities in all new housing estates, and three further centres are to be started soon. Designed in accordance with the provision of maternity and child welfare services under the National Health Service Act, 1946, this centre has been planned to provide anti-natal treatment, child welfare and health education. The entrance gives access to the waiting and lecture hall. Facilities are provided for the sale of Ministry of Food supplies, and for serving tea. Direct access to the waiting hall is also gained by covered way from a pram shelter. A weighing room has been provided next to the waiting and lecture hall with a linen store and cubicles which are available for test feeding. Constructed of reinforced pre-cast concrete, the building was designed by D. A. Goldfinch, architect to the Birmingham Public Health Department.



out of their systems at the expense of their clients—who must surely be more long-suffering than clients in England normally are.

A. L. N. RUSSELL

London

[One of the illustrations on this page shows that churchgoers in Amsterdam are also invited to be "sucked-in."—ED.]

Jacobean Revival

SIR,—Turning over the pages of the new Housing Manual, on which the chief architect of the Ministry of Health, Mr. John Forshaw, is to be heartily congratulated, one is struck by the predominant influence of 17th century domestic architecture over the design of both individual houses and groups.

As an elderly architect I am able to re-

member two former swings of the pendulum, the first being singularly like the present. At that time, some forty or more years ago, Lutyens was still in his personal interpretation of the Surrey cottage phase; Baillie Scott and Voysey were experimenting with modern notions of freer treatment; but a large number of competent architects throughout the country were content to carry on the traditions of Jacobean cottage design.

The swing back began gradually. While Ernest Newton wavered, Lutyens embraced the shade of Wren; and of two partners, Unwin moved Georgianwise, while Barry Parker stuck long to his picturesque, as can be seen in one of his best works at Loughborough. But it was left to Lutyens and Adshead, and later to de Soissons, to establish the full Georgian swing which reached its apogee at Kennington and Welwyn, and achieved its most ambitious

compositions, by Lutyens and Unwin, at Hampstead. Thence forward its momentum was irresistible.

The modernism of CIAM, while it has completely exploded the neo-classicism of town hall and bank, has had a much milder effect on domestic architecture; there is less opportunity for its virtuosity of free-play between floors, cantilevering, flat roofs, walls of glass and aquarium staircases. The 17th century revival asserts itself strongly: gable-ended ridges (in place of hips), lower eaves and consequent frontage gables (which the Georgian eschewed from motives of economy), the long casement window (in place of the vertical sash; in 84 illustrated examples there are only four with sash windows).

The new swing has borrowed from the late Georgian swing the flatter pitched roofs (so detested by the Jacobean) and the terrace; the moderns have given a few decorative clichés, such as the gas-pipe porch and the windscreen cement slab pierced by holes; and they have produced some useful variants in the casement. The flat roof, which one sees occasionally, and very pleasant it can be, has not caught on, so the general silhouette has not much changed.

We are now in the swing of a Jacobean revival, pleasantly varied, as the Georgian was, by current fashion or individual taste. How long will it last?

PATRICK ABERCROMBIE

London

Architectural Assistants

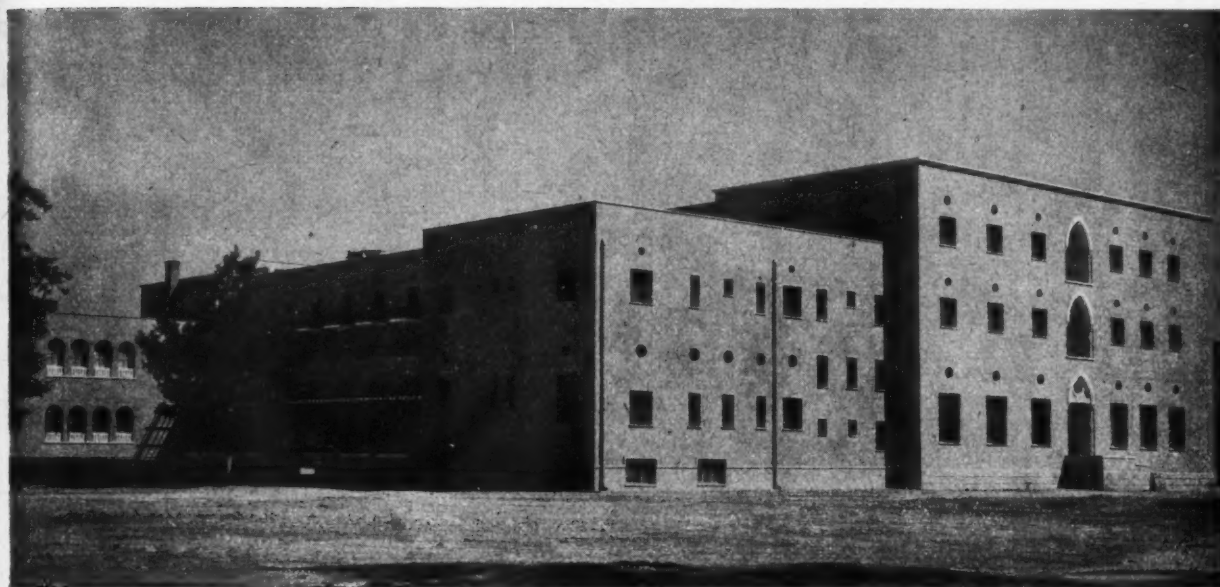
SIR,—There can be little doubt that the majority of buildings erected in this country since 1945 have not been designed by, or supervised in the course of erection, by qualified and responsible architects. When, after the end of the war, the new Education and Housing Acts required that local authorities should embark on large building programmes, there was little consideration given to the architectural problems involved, and it seems that the architectural work was intended to be carried out by existing local authorities' engineering staffs. Might not the RIBA have been sufficiently alive to the architectural dangers and to the possibilities of this situation to have asked "who are to design the local authorities' housing schemes?" and "who are to design their schools?"

A glance at the "public appointments" section of the advertisements in this journal bears testimony to the fact that the city or borough surveyor requires "architectural assistance" in carrying out his duties when these involve building. There is a law which prevents an ordinary citizen from styling himself "architect" unless he has won for himself the recognized architectural qualifications. The main idea behind this law is surely to protect the general public from quacks and charlatans. Yet a local authority, by vesting the responsibility for the design of its buildings in architecturally unqualified officials, who often employ qualified architects in a very subordinate capacity, inflicts on its citizens those very evils which it was the purpose of the Architects Registration Act to avoid.

As for the architectural assistant, what chance has he alone of setting these wrongs to right? The choice between private and public employment is often dictated by the fact that private architects cannot pay him a living wage because the local authorities keep all architectural work to themselves. If all architectural assistants refused all local authority jobs where they were not responsible solely to a qualified architect, the problem would soon be solved. But can assistants be expected to forgo their livelihood until such action might take effect?

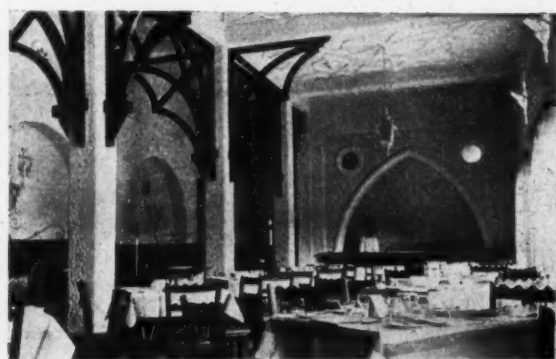
Chester

"PLEBEIAN"



HOTEL IN MIDDLE EAST

This hotel in Nicosia, Cyprus, was opened last October. The architect was Ben Zion J. Gunzburg of Israel. The hotel has ninety-three bedrooms, each with a private bathroom; central heating and air-conditioning. Constructed with a concrete frame, three varieties of Cyprus stone have been used as in-filling. Above, a general view. Left, the entrance to the ballroom. Below, a bar. Bottom, left, the ballroom, and right, the grill.





TELEVISION STATION AT SUTTON COLDFIELD

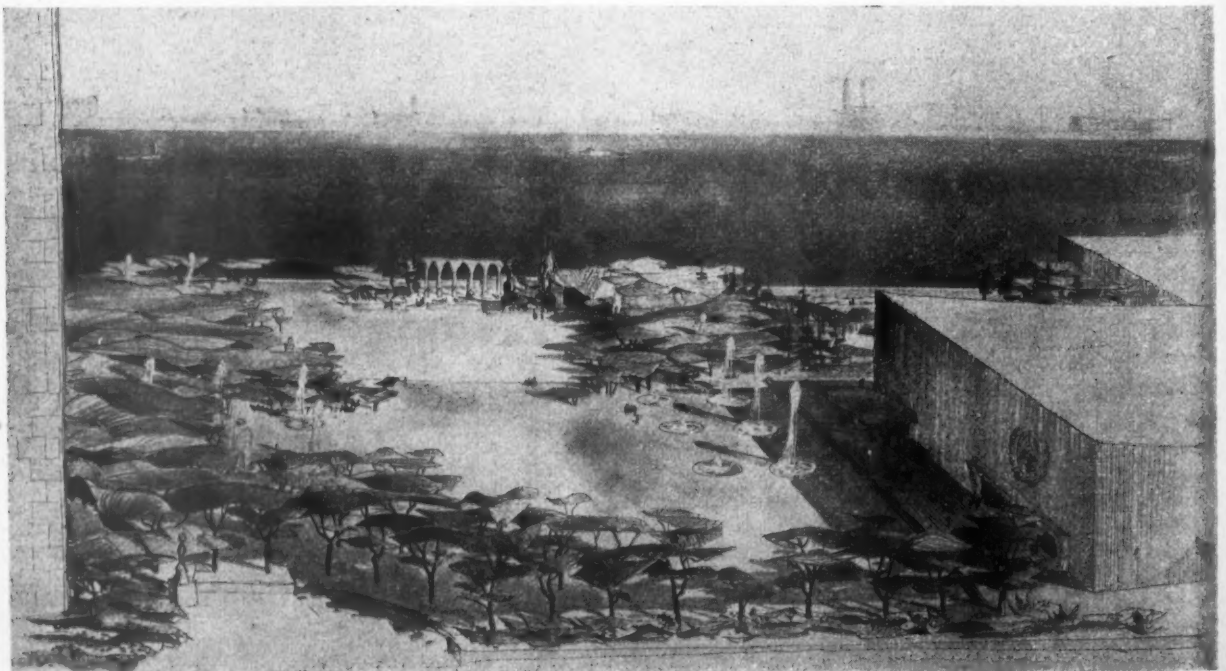
Left, the BBC's new television transmitter building at Sutton Coldfield with its 750 ft. mast. Below, the transmitter hall. The elevations of the station are to designs by Messrs. Wimperis, Simpson, Guthrie and Fyffe.

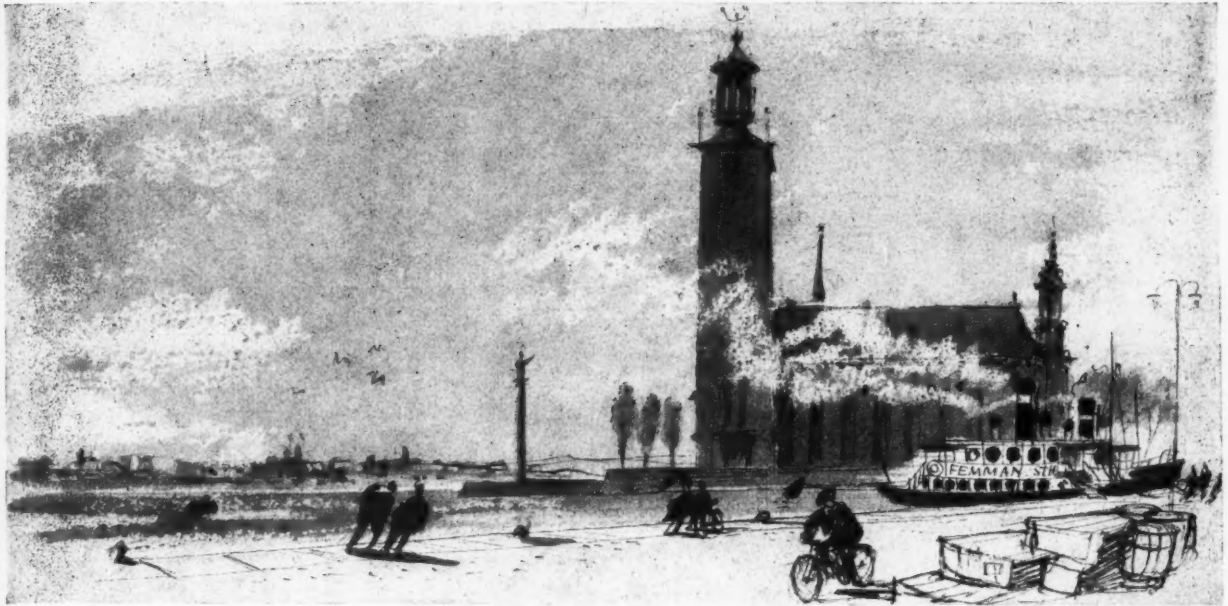


GARDENS FOR UNO

The sketch by Charles Prentice Thompson on this page illustrates a scheme by Christopher Tunnard for the garden surrounding the UN Headquarters in New York. The scheme is simple in its main elements, with more complex changes of scale and detail in the less prominent parts. The design has strong directional lines, but they are softened by

the weaving of the tree pattern, which, with its irregular bays and openings, provides a setting for sculpture not always immediately seen. The whole site with the exception of the Delegates' Garden, is open to pedestrian circulation, either in shade or sunlight. The Delegates' Garden, which will be set apart, has several quiet places and a good deal more colour in the way of flowers, mosaic pavements and mural paintings on the walls. It is well protected against the wind from the river by screens, which help to make an intricate pattern.





Stockholm Town Hall.

For Christmas relaxation the JOURNAL offers its readers a travel diary by Hugh Casson, who recently paid his first visit to Scandinavia, of which visit this article and the accompanying sketches are the result.

SWEDISH DRILL

[By HUGH CASSON]

The Northern Capitals begin, it would appear, as near London as Tilbury. There is something already Scandinavian about the ranked brick columns and copper flèche of Edwin Cooper's Terminal Building, and at the far end of the gangway, where MV *Saga* lies humming gently to herself, can be seen the pale, polished woods and elegant indoor creepers so familiar from the modish magazines. Even the usual clinical atmosphere of shipboard life—the starched uniforms, the bowls of soup, the soft authoritative footsteps along the white-walled corridors—is perceptibly sweetened by Scandinavian sugar.

"Tryck," says the w.c. handle. Does it mean "Push" or "Pull"? The ambiguity is as courteous and un-emphatic as the flush is effortless and clear.

Next morning the sea lies quiet and indeterminate—more sinister somehow in its stealthy movement than when angry and agitated. "What after all," asked Norman Douglas, "can a rough sea do but drown a few sailors and chafe impotently at the surrounding shores?" The familiar shipboard figures emerge and go through their accustomed paces. The Man who Knows Tricks with Matchboxes, the Ship's Intellectual with the casually carried volume of Mallarmé, the Mystery Woman, scarfed and goggled, the Honeymoon Couple snug in their self-woven blanket of mutual satisfaction, and, far away on the fore-deck, the students, the guitars, the bobbysocks and cycle capes.

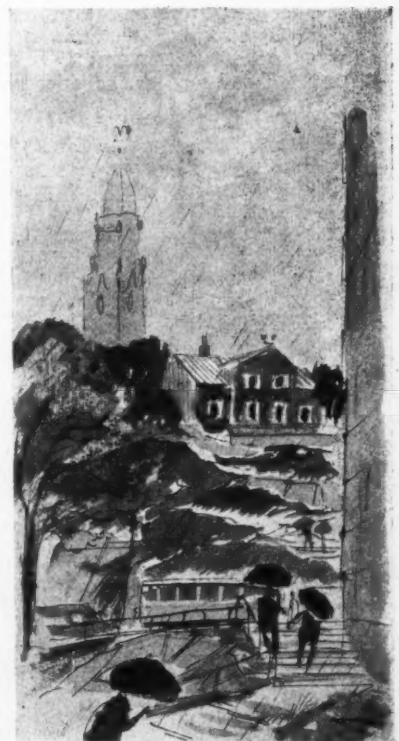
At lunch the ceremony of *smorgas-brod*. Behind the top table sits the Captain, courteous, freckled, living his own life behind a high polished forehead which, like a bastion, repels the stock witticisms of passengers about smor, schnapps and seasickness.

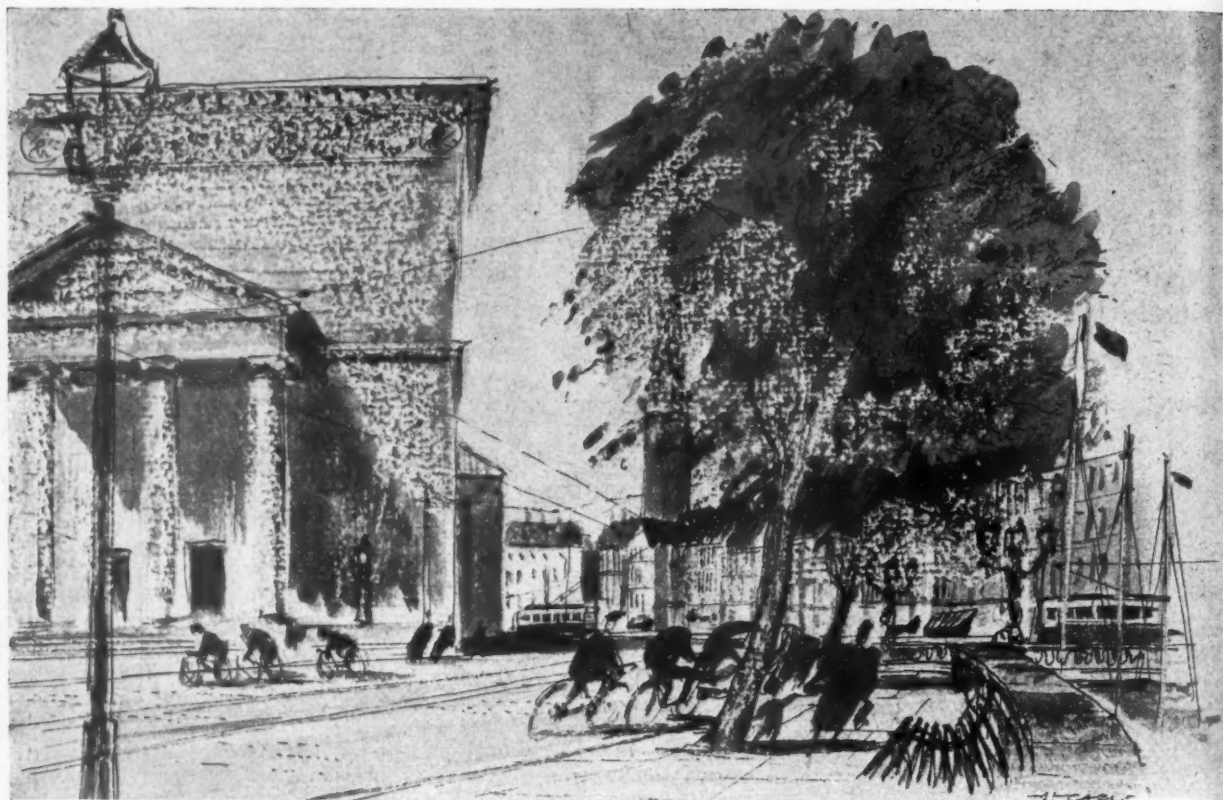
A curtain of rain dangles between the ship and the docks of Gothenburg. A glimpse of canals, pale blue trams and cyclists shoaling like silver herrings. It is Sunday morning. The Seaman's church is closed, and Ericsson's Concert Hall lies inviolate behind locked doors. Peering through keyholes, like Gilbert Scott taking his first childhood glimpse of Gothic—we can just see again the familiar jewelled interior. Huge raindrops sting the window panes of Henriksberg's restaurant, below which the dockyard cranes stand ranked in Sunday idleness.

The evening train for Copenhagen, hideous in its livery of orange and buff, draws out punctually and is soon rocking past the Swedish landscape in

which a few features—a pale blue boat, a "Faludi" red farmhouse, a bald rock pushing its way through pale and scanty turf—repeat themselves interminably. It's dark at Halsingborg and the train clanks on to the ferry through a crowd of returning weekenders. Unmanned somehow by loss of contact with their familiar element the railway coaches crouch miserably

The Seamen's Church at Gothenburg.





The Chapel at Christianborg Palace, Copenhagen.

with shackled wheels in the belly of the steamer.

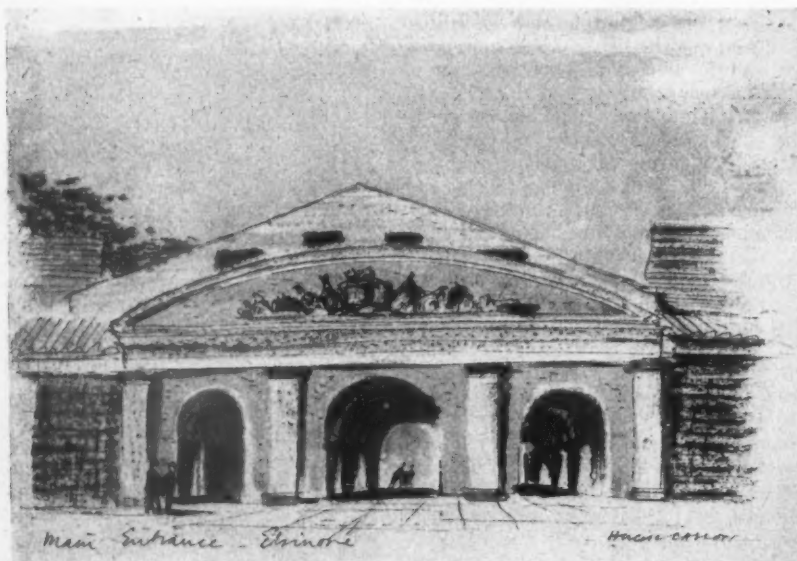
It is nearly midnight, and outside Copenhagen station the last yellow trams are rattling home across the bridges. Two days only at our disposal, and not more than a few hours can be snatched from business for the task of sightseeing. Ruthless decisions must be taken. Aarhus is too distant. Museums, art galleries and

the Zoo must remain unvisited. Not more than one hour can be allotted to acquiring the obligatory cargo of Klint lampshades. For those of us paying our first visit a whirlwind coach tour is the only solution. Fredensborg, white and French-looking, Frederiksberg, a Danish Salvin, where in the chapel Monty's shield glitters freshly on the wall. The guide, plump and bespectacled, is a relentless disci-

plinarian. From long experience he knows how quickly his charges will get out of hand. We are marshalled with firmness, rewarded occasionally with schoolmasterly jokes to relieve the flow of facts. "There is a stork's nest. . . . Denmark possesses so many millions of chickens. . . . There is the birthplace of Kierkegaard"—(strange that so cosy a landscape should be the birthplace of Existentialism)—"Here we will have tea, one biscuit, one sandwich, one coffee. . . . No, there is not time to buy a postcard." At Elsinore the shipyards crowd to the castle gates adorned with photographs of John Gielgud, and welders' arcs glitter and wink above the ramparts. "Leave everything you want in the bus," commands our guide well-meaningly, and is puzzled by the unexpected success of what was not intended as a joke. He senses a weakening of discipline, a tendency to wander off alone, and herds us at a smart pace up to the Main Hall—surely one of the loveliest, perhaps because it is one of the emptiest, rooms in Europe. It is evening by now and through the deep-set windows can be seen the lights of Sweden.

Back through the weekend villas, as fantastic and as fondly kept as those at Le Touquet or Chislehurst, to Amalienborg, a hexagon of mist and cobblestones, threaded upon an axis drawn between the copper dome of the Frederikskirche and the red funnel of a steamer. Down past Nyhaven, a

The Barracks entrance at the Castle of Elsinore.



street of sailors' cafés alive with smoke and clamour, past the Royal Chapel, Russian in its gloomy grandiloquence of scale, and then we are discharged with a final gaoler's joke. At "Lorrys," a barn-like night-club disguised as a Worcestershire village; the flags of all nations stand upon the tables, and "Georgette," in a white wig and silver cache-sexe, poses with a black retriever dog to the strains of "The Londonderry Air" (we remembered having seen her in a store. She was recognizable because of her dog). There was just time before catching the night train to see in the Tivoli one of the world's most curious statues—a violinist in full swing with marble bow and lovingly hewn wax moustaches.

Again the ferry, the shackled sleeping cars, the arc-lights sizzling above the dripping hawfers. Malmö passes, its theatre alas unseen, and next morning, framed in the carriage window, the familiar silhouette of Stockholm Town Hall. Once more the trams are pale blue and seagulls swoop and hang outside the hotel windows.

For twenty years or more Stockholm has been something of an architectural Mecca, its streets worn smooth with padding pilgrim feet, its buildings polished by appraising eyes. Today it is suffering from temporary eclipse. The pilgrims have returned to previous haunts—to Florence, to Perugia—and to visit Scandinavia is no longer an architectural "must." And yet when, with Swedish friends, we visited Asplund's crematorium upon its man-made hillside, the manager received us with courteous resignation. More architects than corpses, he said, visited him, and only that morning he had complained to SAR that their number threatened to interfere with the efficient working of his building. Pride, however, conquered exasperation, and his enthusiasm mounted as he explained the ingenuity of detail—the collapsible flower stand, the controllable echo from the organ, the non-slip sealskin hassock for the knees of the officiating priest. This building has been labelled as one of the architectural masterpieces of the 20th century. It is indeed so good that one wishes it were just that much better. The wall paintings are lamentable, the outside clock slick and meretricious, the use of materials often ill-considered, the roof pattern over the main portico where mourners gather in little inky groups, weak and hesitant.

On then to the workers' flats, unassailably correct, as at Copenhagen, a three-dimensional catalogue of social and architectural virtues. See how elegant and frequent are the litter-baskets, how carefully placed the communal laundry and the crèche, how rosy-cheeked and well behaved the scarlet-hooded children. And yet . . . and yet . . . how tedious the rhythm of fenestration, how relentless the ranks of correctly orientated flat



Fredericks Church, Copenhagen.

blocks. Not only are there no flies on Swedish architecture, you cannot even, as Ted Ray puts it, see where they have been. Is it, as some psychiatrists hold, that the Swedish passion for neatness and galoshes is a symptom of Nordic neurosis? That behind this mask of mackintoshes and well-weeded window-boxes lurk passions as dark and uncontrollable as those of the Latin? It is impossible to say, but there were times as we hummed along the planted boulevards when we felt, unkindly perhaps, that Sweden (as has been said of Switzerland) is a luxury

which Europe can no longer afford. How great the relief to call upon a worker in his home and find within an interior as crowded and unaffectedly ugly as its counterpart would be in England or in France.

Once more two days at our disposal, again the ruthless decision for the well-worn track. First a tour by motorboat, the moored yachts rocking under the willows as we passed; a yellow-washed domestic-looking prison upon an island; concrete bridges leaping from peninsula to rock and back again; the circular fishing nets sus-

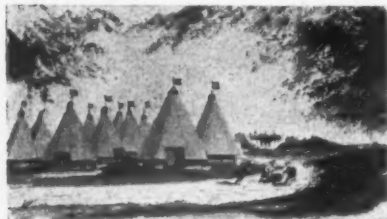
The Crematorium, Stockholm.





Lakeside park, Stockholm.

pended like mandarins' hats above the water; the apartment houses, as crowded and multicoloured as Neapolitan tenements, clinging to the rocks; a hostel for bachelor girls crowned with a huge and tactless advertisement for STORK chocolate. Then the Town Hall. Here they were



Warming huts for skaters.

preparing for a banquet. Long tables were spread in the Golden Hall which was filled, as with golden syrup, by the glow of the evening sun. Floors shone in the wake of polishing charwomen and in the great red hall, its walls textured by the hacking for the blue plaster which the architect decided they were never to receive, a lonely flute player in white tie and tails practised for the evening concert. Here at least was a building which lived up to

The Royal Palace, Stockholm.



its reputation, an astonishing amalgam of one man's reaction to the conflicting influences of European architecture.

An hour for the Royal Palace. The staterooms, handsome but undistinguished, the main staircases unexpectedly well handled. The King had only just left and the scent of cigar smoke still hung below the antlers and the chandeliers. At Drottningholm, "stretched out" (wrote Graham Greene) "like a dead seabird above its gardens"—[Remember "Minty" and his old Harrovian dinner?—workmen were mending the Chinese Temple, and a concrete mixer ground its teeth beside the copper flounced pavilion. It was nearly closing time but the caretaker of the Court Theatre rolled the thunder machines for our benefit, and set the empty velvet seats shaking beneath the painted cornices.

We visited friends at Ekalsund, an 18th century house with a delicately detailed private museum designed by the younger Tengbom, and were shown the signature of Greta Garbo in the visitors' book. At Upsala, a dull little town dominated by the twin towers of the cathedral, the university students crowded the streets, and tiny trams scuttled through the suburban pinewoods like little shiny beetles.

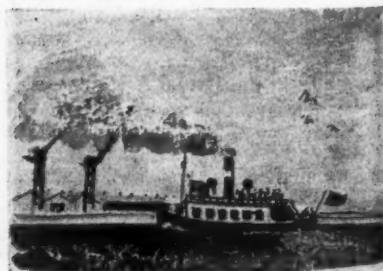
Back that evening to Gothenburg by the streamlined "rapido," incongruously staffed by attendants in national costume. Behind the driver's cab a viewing window gave queueing business men a chance to have a vicarious go at childhood's ambition. Once again Gothenburg was shrouded in rain, and next morning a dozen gaily patterned umbrellas were scattered to dry over the shining floor of Asplund's town hall extension, providing just that touch of careless fantasy which this precisely calculated interior normally lacks.



The Chinese Pavilion, Drottningholm.

From the quayside a mackintoshed group of students serenaded a distinguished passenger, and just before we cast off, the crane driver, remote and godlike in his little lofty box, switched off his lights, assumed a Homburg hat, and, climbing down his ladder into the crowd of bystanders, became at once as drab and diminished as they. The last hawser splashed into the water, the shipboard rhythm reasserted itself, the same characters reappeared with slightly different faces. The last jokes about schnapps and smorgasbrod were relentlessly cracked, the opening moves in the battle with the English Customs carefully rehearsed. At 8.0 a.m. exactly—how miraculous to calculate an arrival so precisely with so many variables to affect it—the first rope was made fast to Tilbury dock. How strange that this time the brick columns and copper cupola looked so indissolubly British.

The Ferryboat, Gothenburg.





Detail of rear elevation.

HOSTEL IN BRYANSTON SQUARE, W.I.

BY JAMES CUBITT AND PARTNERS

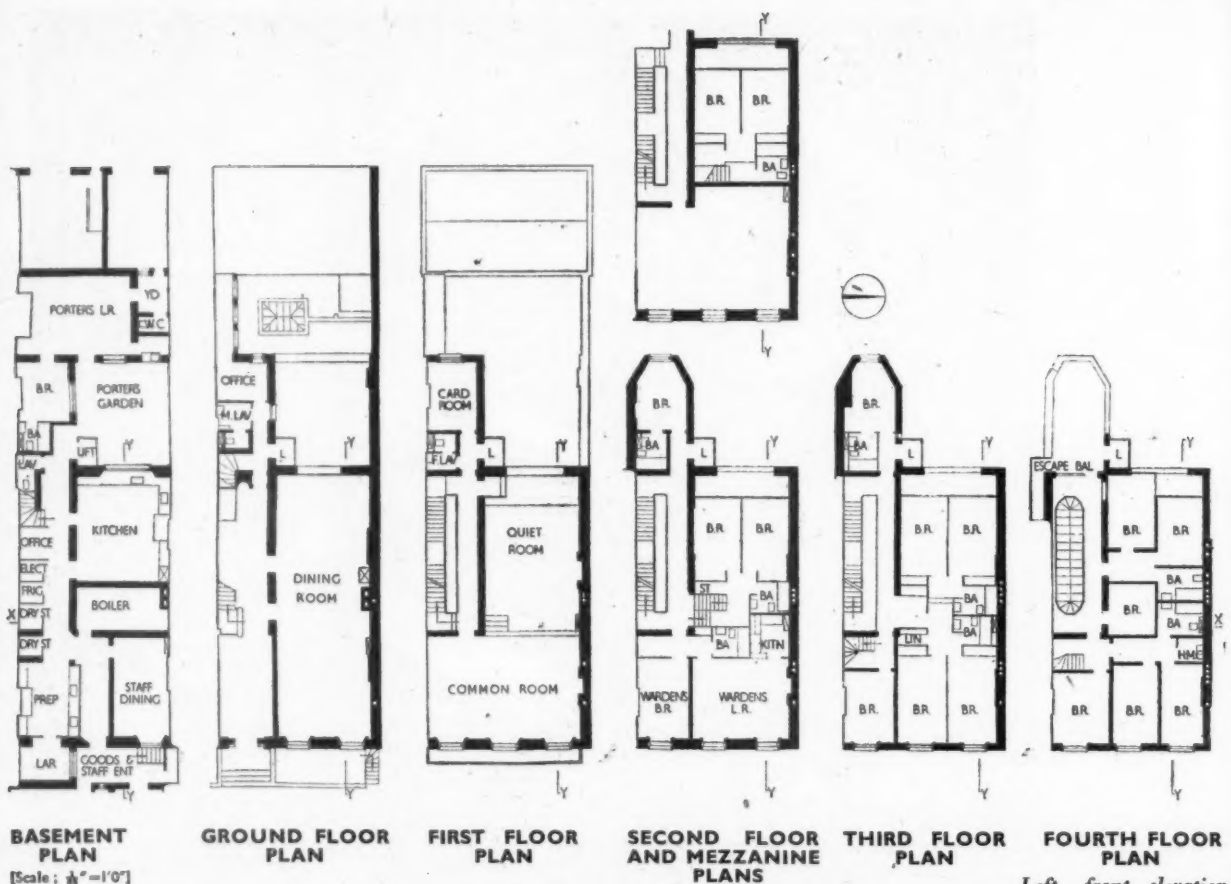
ASSISTANT ARCHITECT: BRENDA WALKER

GENERAL.—A large Georgian terrace house on the west side of Bryanston Square has been altered, repaired and redecorated to the requirements of the Malayan Government as a residential club for Malayan post-graduate students and visitors. Accommodation required included reception rooms on ground and first floors, served by a basement kitchen, bedrooms on the upper floors, and self-contained flats for a warden and a porter.

PLAN.—This was dictated by the existing structure, with a further consideration that the upper floors might be converted later into two self-contained flats per floor. An extra pair of bedrooms was added by replacing rear second and third floors with a lower mezzanine, upper mezzanine and raised third floor. This meant lowering the rear first floor ceiling and adjusting the first floor levels. In order to retain all external

walls for habitable rooms and to make use of the full depth, bathrooms and wc's are placed internally around a duct.

CONSTRUCTION.—In spite of war damage, the party and external walls were reasonably sound, and the internal spine wall running from back to front and enclosing the main staircase was sound enough to take new floor loads. All the rear floors from first to third were replaced by four new concrete



Left, front elevation.
Right, typical bedroom.



HOSTEL IN BRYANSTON SQUARE

DRAUGHTSMANSHIP | RENDERING

The Architects' Journal Library of Information Sheets 233. Editor: Cotterell Butler, A.R.I.B.A.

I.B.49
I.B.49



1.B49 ARCHITECTURAL PERSPECTIVE IN GOUACHE AND WATER COLOUR

This Sheet, one of the series on draughtsmanship, has been drawn by Hugh Benson. The interest in this example lies primarily in the rendering of the glazed and other reflecting surfaces. Both gouache and water colour were used. Further Sheets on rendering will include examples carried out entirely in pencil, in crayon, ink, water colour and various combinations of these media.

Artist's Comments

The following observations have been made by the artist :

In order to ensure that the surface of the paper was kept clean and was not damaged by the frequent use of a rubber, the "set-up" was made on tracing paper and was then transferred to a good quality board. A rough colour sketch was made as a guide for tone values. For this perspective both transparent water colour and body colour were used. The water-colour work—sky, glass and foreground paving—being completed first.

Sky

A wash of colour was quickly flooded on to a slightly sloping board going well over the margins and stopping approximately at the line of the white cumulus cloud at the bottom. A piece of crumpled towelling was then placed on the drawing of the building and swept vigorously across the sky. Then (as the wash began to dry) the edge of the cumulus cloud was softened with plenty of water and a stiff brush, surplus water being removed with blotting-paper.

Glass

Because the sky is often reflected in part of the glass it is generally found convenient to render the glass immediately after the sky. In this case the glass was rendered with three separate sets of washes, representing its reflections, its transparency, and its colour (where not transparent).

It is important to make a proper drawing. Reflections seldom need to be accurately set up, but they must be in perspective. Glass is one of the most precise building materials in use, and a "fuzzy" rendering of it, as is sometimes found in students' paintings, is not truly characteristic. To portray this precision it is particularly important to avoid stopping the wash short of the edge of the pane and in this picture the washes were taken over the edges and masked by the frames—drawn with a ruling pen loaded with body colour.

Brickwork

First the surface of the board was grooved with the blunted blade of an old ruling pen to represent the courses. The areas of shadow were then covered with a dark water-colour wash. Then, a fairly dry mix colour was applied with light vertical strokes. Careful shielding was necessary at the edges and the window-frames and eaves were used as "cover" to the ragged edges. Individual bricks were picked out in slightly different tones of the same colour in order to represent the variations in colour of stock bricks.

This Series

This Series of sheets covers geometrical drawing, orthographic, isometric and axonometric projections, perspective, rendering, lettering and draughtsmanship generally.

Compiled from information supplied by :

Eagle Pencil Company.

Address : Ashley Road, Tottenham, London, N.17.

Telephone : Tottenham 4435-6-7.

Telegrams : Octennial, London.

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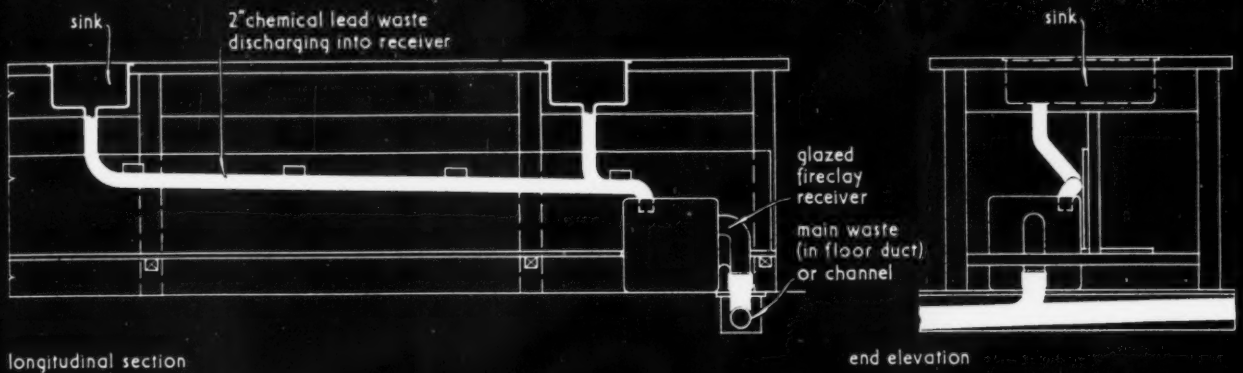
The Architects' Journal Library of Information Sheets.

Editor: Cotterell Butler, A.R.I.B.A.

SANITATION | DETAILS | LEAD

33.C11

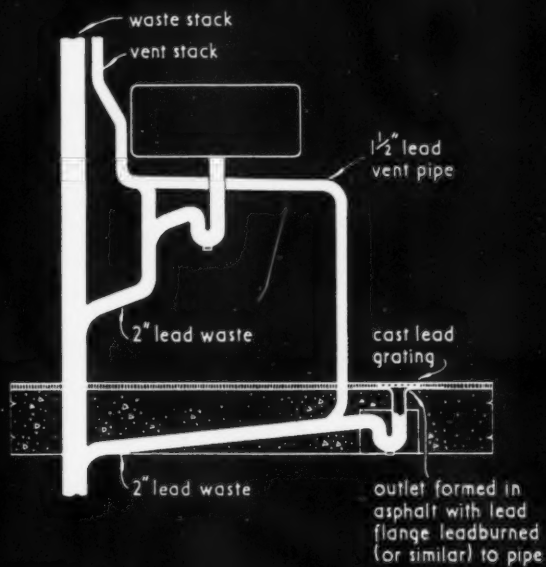
The Architects' Journal Library of Information Sheets 234. Editor: Cotterell Butler, A.R.I.B.A.



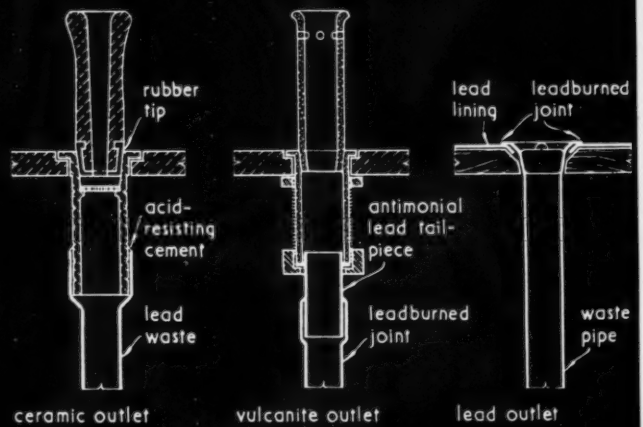
longitudinal section

end elevation

RANGE OF LABORATORY SINKS.



section

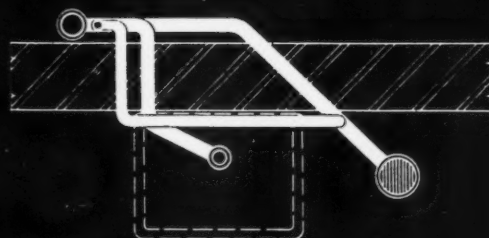


ceramic outlet

vulcanite outlet

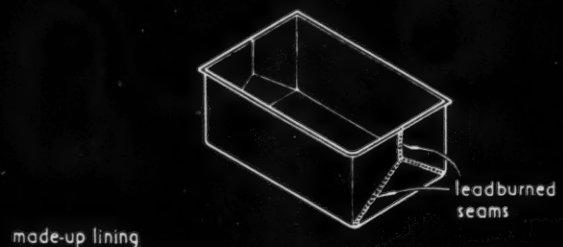
lead outlet

CONNECTIONS TO SINK OUTLETS.

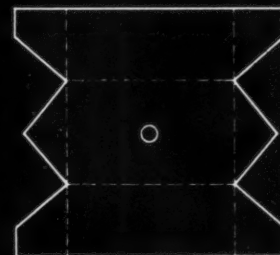


plan

SINGLE LABORATORY SINK.



made-up lining



cutting and folding

LEAD LINING FOR LABORATORY SINK.

LEAD PLUMBING FOR LABORATORIES.

Compiled from information supplied by The Lead Industries Development Council.

33.C11 LEAD PLUMBING FOR LABORATORIES

This Sheet summarises some common uses of lead sheet and pipe for laboratory plumbing.

For piping to carry away waste liquids from laboratory sinks lead pipe is the accepted material for all common service conditions because of its general corrosion-resistant properties. Waste pipes from ordinary appliances should not be connected to a chemical waste system. To provide extra corrosion resistance to laboratory bench tops a covering of sheet lead is used and for some service conditions the lead-lined hardwood sink is preferred to the glazed fireclay form.

Range of Laboratory Sinks

Discharging into fireclay receiver: In this arrangement, shown on the face of this Sheet, each sink waste (without trap) is connected to a lead main waste which discharges into a fireclay receiver. This arrangement is most suitable where a number of benches each with two or three sinks are sited in a regular manner and the connecting-up of wastes into common branches does not require complicated pipework. From the fireclay receiver the waste may discharge into an open channel of acid-resisting material or into a lead pipe housed in an open floor duct with removable cover.

Discharging into open floor channel: In this arrangement untrapped waste pipes, connected to the sinks, discharge into an open floor channel of glazed stoneware or asphalt which may be led into a glazed fireclay receiver acting as an interceptor between waste system and drain.

Single Laboratory Sink

With laboratory waste arrangements as described above the waste pipes are not trapped immediately beneath each sink as this is unnecessary. Where possible, traps in waste pipes should be avoided because of the risk of corrosive sediment lying in them. With isolated sinks that are connected to a waste pipe serving ordinary appliances, traps are necessary and the pipes should be flushed down frequently with water after using. The traps should be fitted with antimonial lead (not brass) cleaning eyes. A waste outlet in the floor beneath an isolated laboratory sink may be necessary in order that the floor may be washed clean of any spilled corrosive liquid. A typical arrangement for a single sink is shown on the face of this Sheet.

Connection to Sink Outlet

Special corrosion-resistant sink outlets are used for laboratory sinks. They may be of ceramic material, vulcanite or antimonial lead, as shown.

Ceramic outlet: The connection between a ceramic outlet and the lead waste pipe is made by expanding the end of the pipe to form a socket over the outlet and filling the annular space with acid-resisting mastic cement.

Vulcanite outlet: This has an antimonial lead tail-piece which is jointed to the waste pipe by lead-burning.

Lead outlet: This is also jointed to the waste pipe by leadburning.

Running and Branch Joints

All running and branch joints must be leadburned.

Connection to Glass-lined Cast Iron Stack

If it is required to make a spigot socket connection between a lead laboratory waste pipe and a glass-lined cast iron stack the spigot entry is formed by passing the lead pipe through a brass ferrule to maintain continuity of lead (see Sheet 33.C6) and the annular space caulked with lead yarn.

Connection to Drain

Main waste pipes connect to the drain with a sealed back-inlet gulley.

Lead Linings to Sinks and Benches

A lead-lined hardwood sink may be preferred to the glazed fireclay sink in some instances, e.g., for a separate sink for cleaning laboratory glassware or where experiments with hydrofluoric acid (which readily attacks ceramic glazes) are concerned.

The lining can be formed as shown in the lower right-hand detail. Not less than 6 lb. substance chemical quality sheet lead should be used for the purpose.

The waste pipe is joined direct to the outlet by leadburning. Linings for bench tops should also be of 6 lb. chemical quality sheet lead and normally sufficient fixing is provided by dressing the edges over and under the edge of the bench.

Materials

Lead pipe for laboratory plumbing should be specified as chemical quality. B.S. 334 covers chemical lead of two forms:—

Type A—a high purity lead for use where the highest possible degree of corrosion resistance is required, is most suitable for all general purposes.

Type B—a chemical lead which has higher fatigue resistance and may be considered where conditions of vibration and excessive thermal expansion and contraction exist.

Sizes and Weights of Pipes

The sizes and weights of lead pipe for laboratory wastes are, for normal work, specified as for ordinary waste pipes and are as follows:—

Int. dia. (in.)	1½	1½	2	2½	3	3½	4
Wt. (lb./yd.)	7	9	12	14.4	17.1	20	22.8

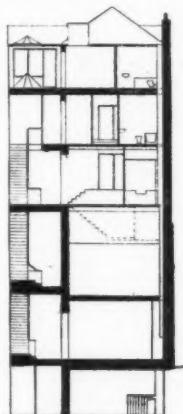
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The Lead Industries Development Council.

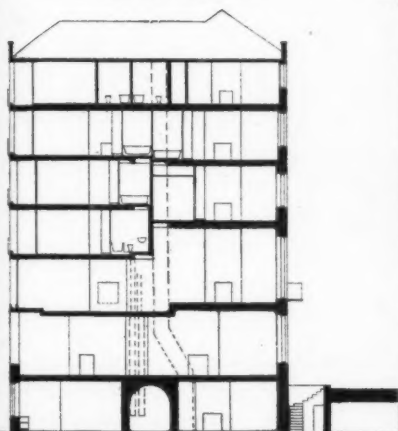
Address: Eagle House, Jermyn Street, London, S.W.1.

Telephone: Whitehall 7264.

Top, the quiet room, with the lounge in the background. Centre, the lounge. Bottom : left, the rear elevation ; right, the warden's sitting room.



SECTION X-X



SECTION Y-Y

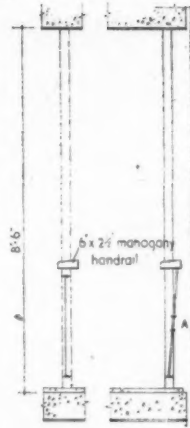
[Scale : $\frac{1}{4}$ " = 1' 0"]



BY JAMES CUBITT AND PARTNERS

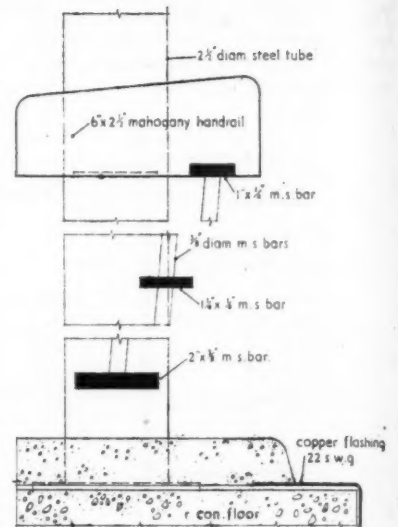


ELEVATION AND PLAN OF BALCONY



SECTIONS X-X AND Y-Y

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



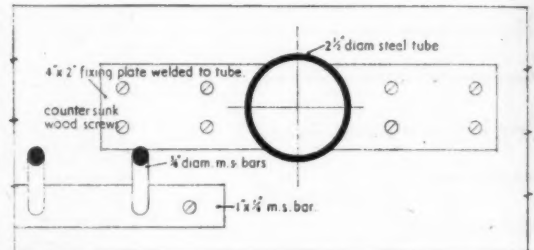
DETAIL AT A

"pot" floors, spanning from chases in the north party wall to the spine wall. Partitions are of hollow breeze, 2-in. up to 8-ft. 6-in. and 2 1/2-in. above this height. Windows at the rear, originally placed centrally, are now asymmetrical due to the new lift shaft, which has corrugated aluminium cladding encasing the original passenger lift.

The windows on the rear facade

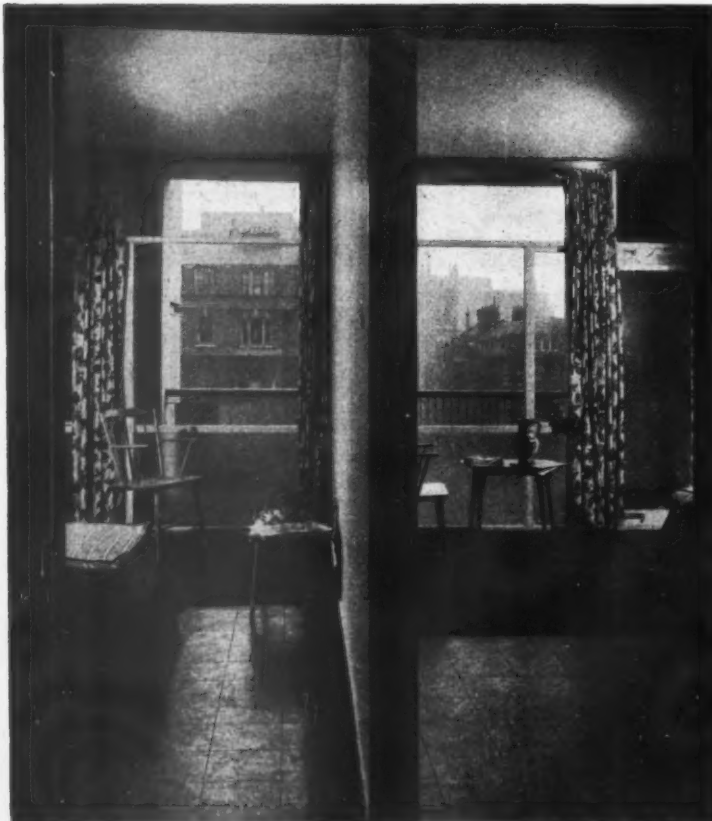
to the quiet room and dining room are special double-glazed windows of Swedish design. These windows are manufactured in this country with imported gear, which enables the opening lights, which are centre-pivoted at the sides, to be swung through 180 deg. for cleaning purposes.

The general contractors were Messrs. Griggs and Son, Ltd. For list of sub-contractors, see page 722.



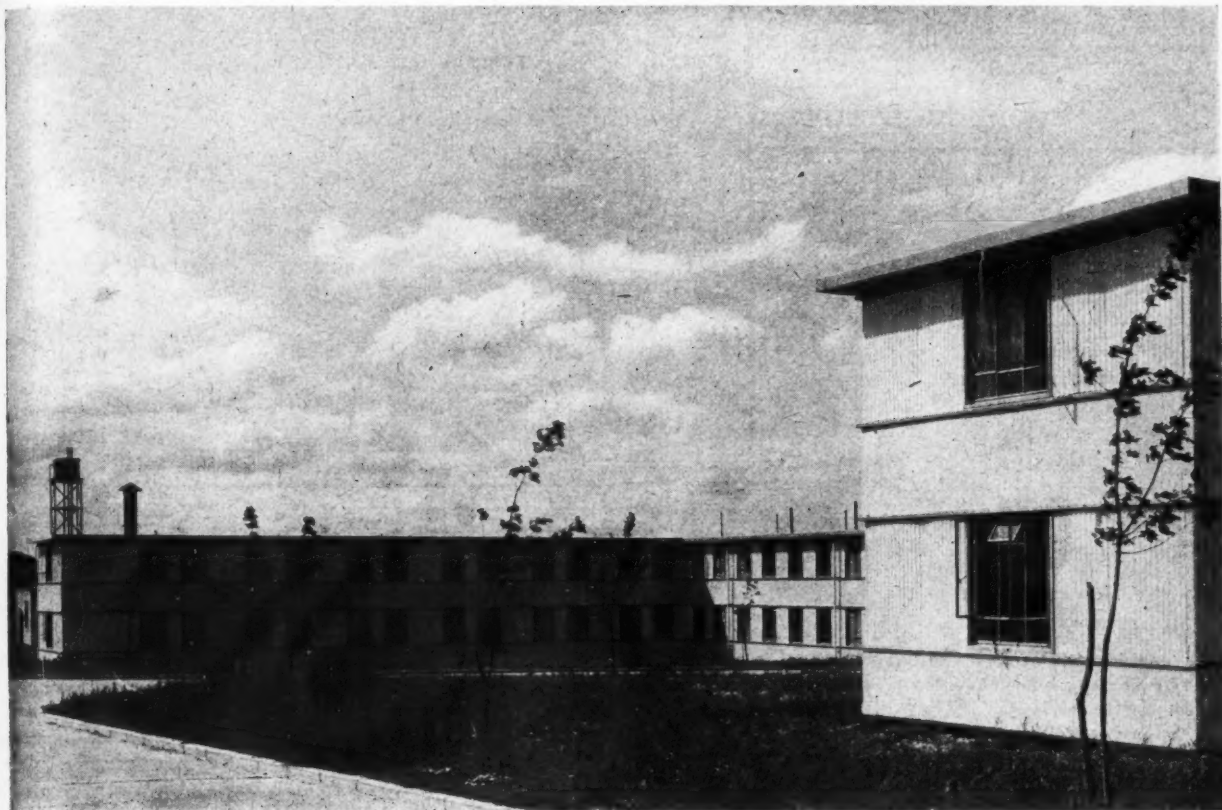
DETAIL AT B

[Scale: 1/4" = full size]



Left, a view of two bedrooms, from the landing.
Right, the staircase to the mezzanine floor.





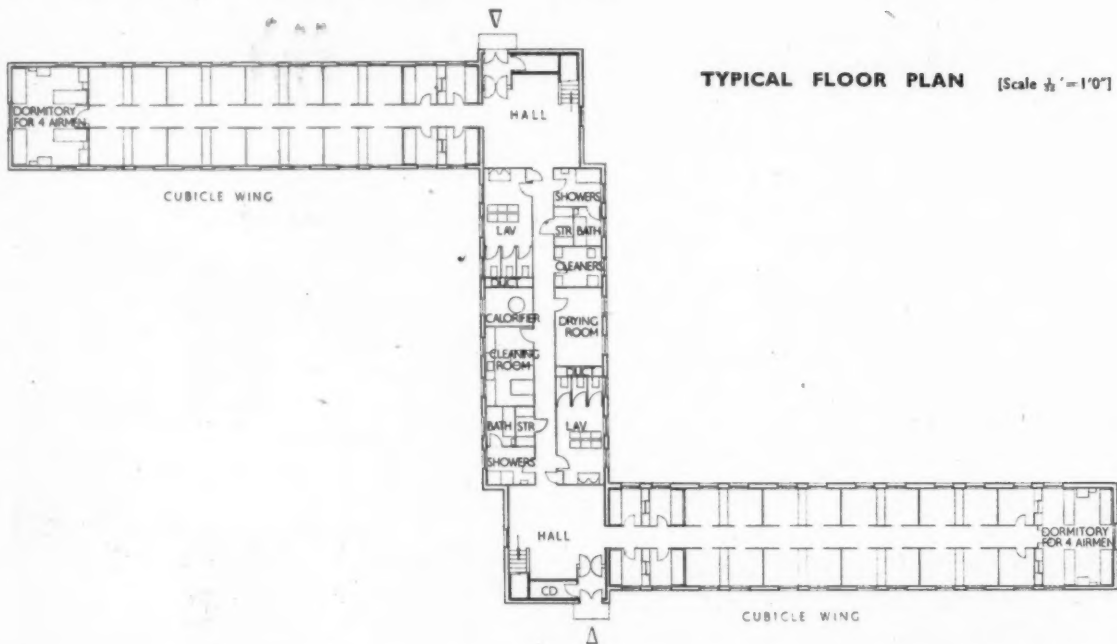
*Above, typical two-storey
barrack block at Boscombe Down.
Below, detail of the staircase.*

BARRACKS FOR THE RAF

*BY THE DIRECTORATE GENERAL OF WORKS,
AIR MINISTRY. CHIEF ARCHITECT: A. BEASLEY*



GENERAL.—The RAF post-war building programme includes an entirely new type of barrack block, two-storeys high, to accommodate 100 airmen in a degree of privacy that they might expect in civil life. There are 92 single cubicles and four 4-berth dormitories for those who prefer to share a room. In case of emergency, fittings are built into each cubicle to take extra beds and double the accommodation. The blocks are in "Z" form to give maximum sunlight and ventilation and are mainly on level, clear sites. The dormitories and cubicles are at each end. Windows in the cubicles face east or west. In the central section there are showers, slipper bath and basins,



The regimental atmosphere of old-type blocks has been avoided as far as possible.

CONSTRUCTION.—The decision to depart from traditional methods of construction was forced upon the Air Ministry by the scarcity of materials and lack of skilled masons and bricklayers after the war.

Also the isolated localities of most of the sites made it extremely difficult to get labour to them. After various methods had been examined, it was decided to build in steel and concrete, with asbestos cement sheeting for roofing and cladding to walls. Replacing bricks and mortar in this new construction are pre-cast concrete

slabs, asbestos, nuts, bolts, self-tapping screws and special clips. Windows, door frames, string courses, gutters, soffits and fasciae are made of galvanized pressed steel. The steel-framed panels are clothed externally with both fluted and flat asbestos sheeting with pre-cast concrete curb and sand plinths. The internal lining is a specially

Barrack block at Little Rissington, Gloucestershire.



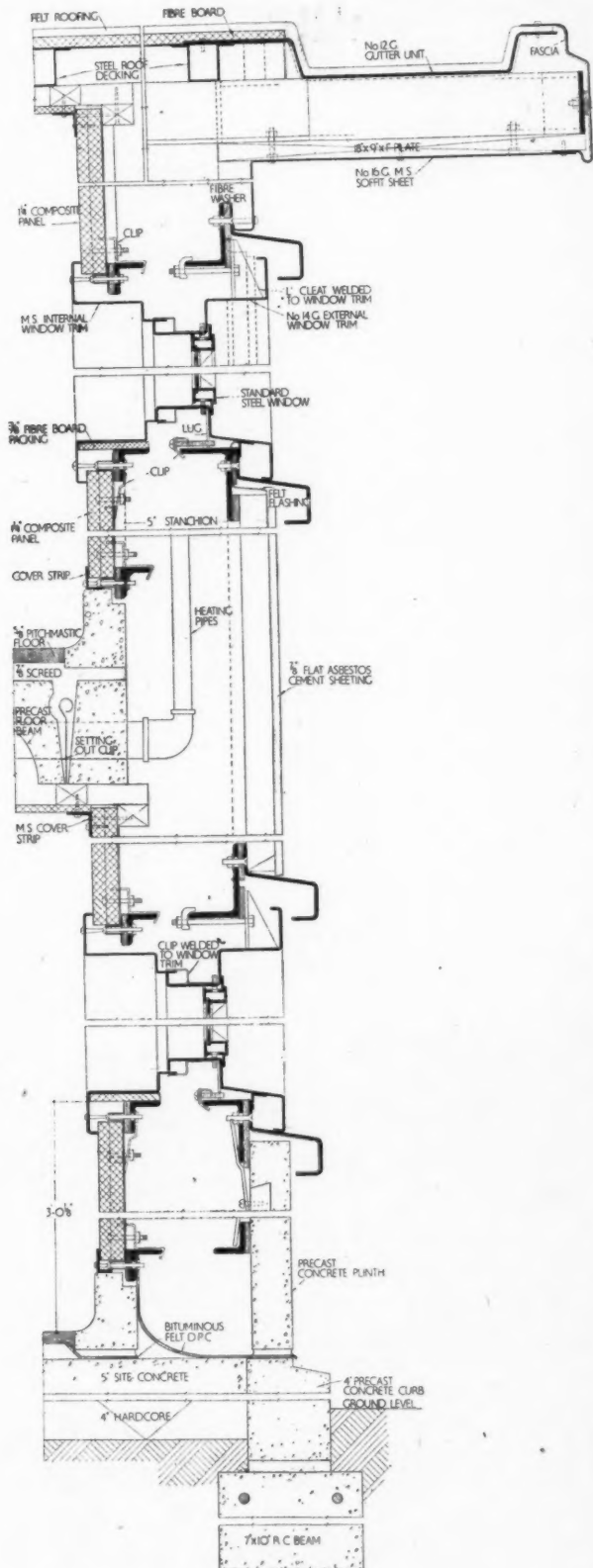
BARRACKS FOR THE R A F



The internal lining of insulation board, sandwiched between asbestos sheets, being fixed in position.

designed composition sheet of 1-in. insulation board sandwiched between two asbestos sheets. Apart from the structural steelwork, the bolts from $3\frac{1}{2}$ in. by $\frac{1}{4}$ in. down to $\frac{3}{8}$ in. self-tapping screws. Internal partitions are steel framed panels covered with fibre board. Roofs are of steel decking and built-up roofing on fibre board. External doors are metal. The internal flush wooden doors have pressed-steel surrounds.

FINISHES.—Staircases and floors in halls and corridors are terrazzo; in cubicles and dormitories, pitchmastic; in sanitary block, quarry tiles. Walls in the halls are fluted asbestos. In the cubicles they are finished with gloss paint. Ceilings are dis-temppered fibre board throughout. There is a specially-designed wardrobe and writing desk and a bed light in each cubicle. In the sanitary block there are drying racks and ironing tables. Hot and cold water and waste pipes in the sanitary block are all encased in ducting. Hot water is supplied to basins, baths and showers from calorifiers. There is central heating in all cubicles, with radiators concealed in cabinets under each window.



SECTION THROUGH EXTERNAL WALL

[Scale: $\frac{1}{2}$ Full size]



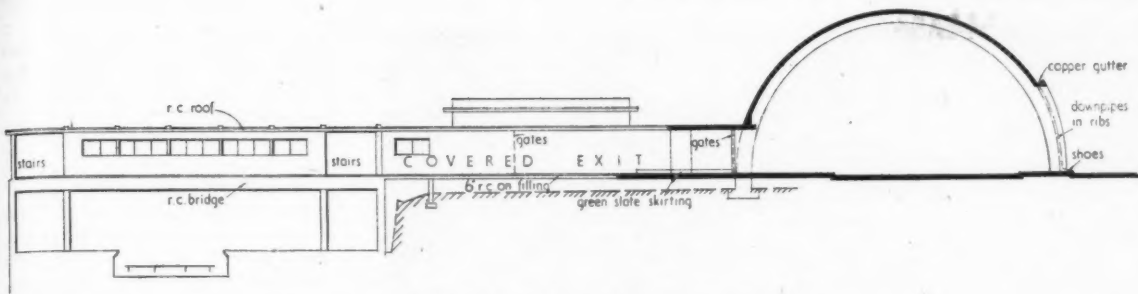
Detail of bus station arch, which is 30 ft. high and spans 60 ft.

BUS STATION AT NEWBURY PARK

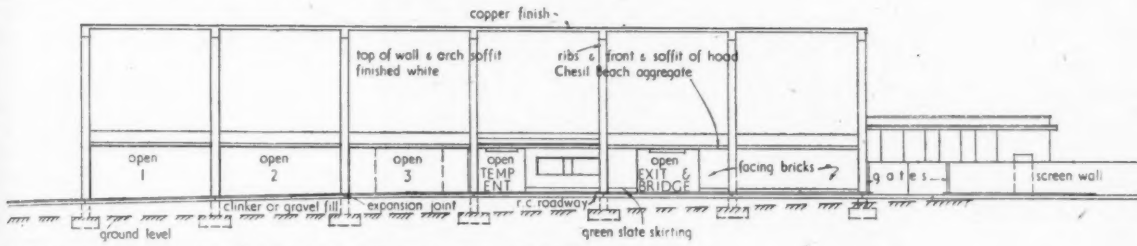
*DESIGNED BY
OLIVER HILL*

GENERAL.—The new bus station, which adjoins Newbury Park Underground Station on Eastern Avenue, is the first part of a pre-war scheme. This scheme includes widening Eastern Avenue, rebuilding the railway bridge, reconstructing the underground station and linking this with new offices, staff canteens and subsidiary build-

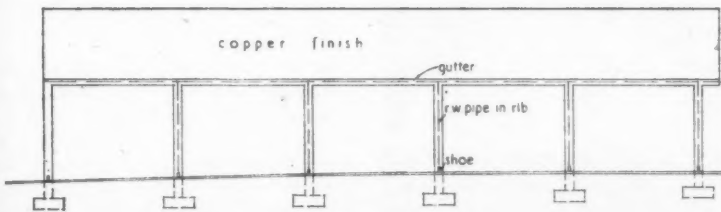
ings. The extension of the Central Line to Newbury Park made it essential to construct a large bus station to accommodate the greatly increased traffic. The new building is of the "hangar" type, a unique design for a London Transport bus station, 150-ft. long, 30-ft. high and with an arched span of 60-ft. The bus station is in two parts, an



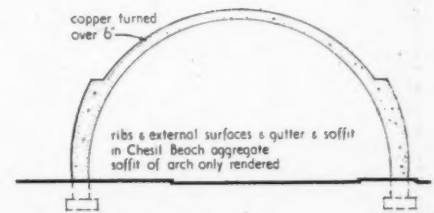
CROSS SECTION THROUGH COVERED WAY AND BUS STATION



LONGITUDINAL SECTION THROUGH BUS STATION

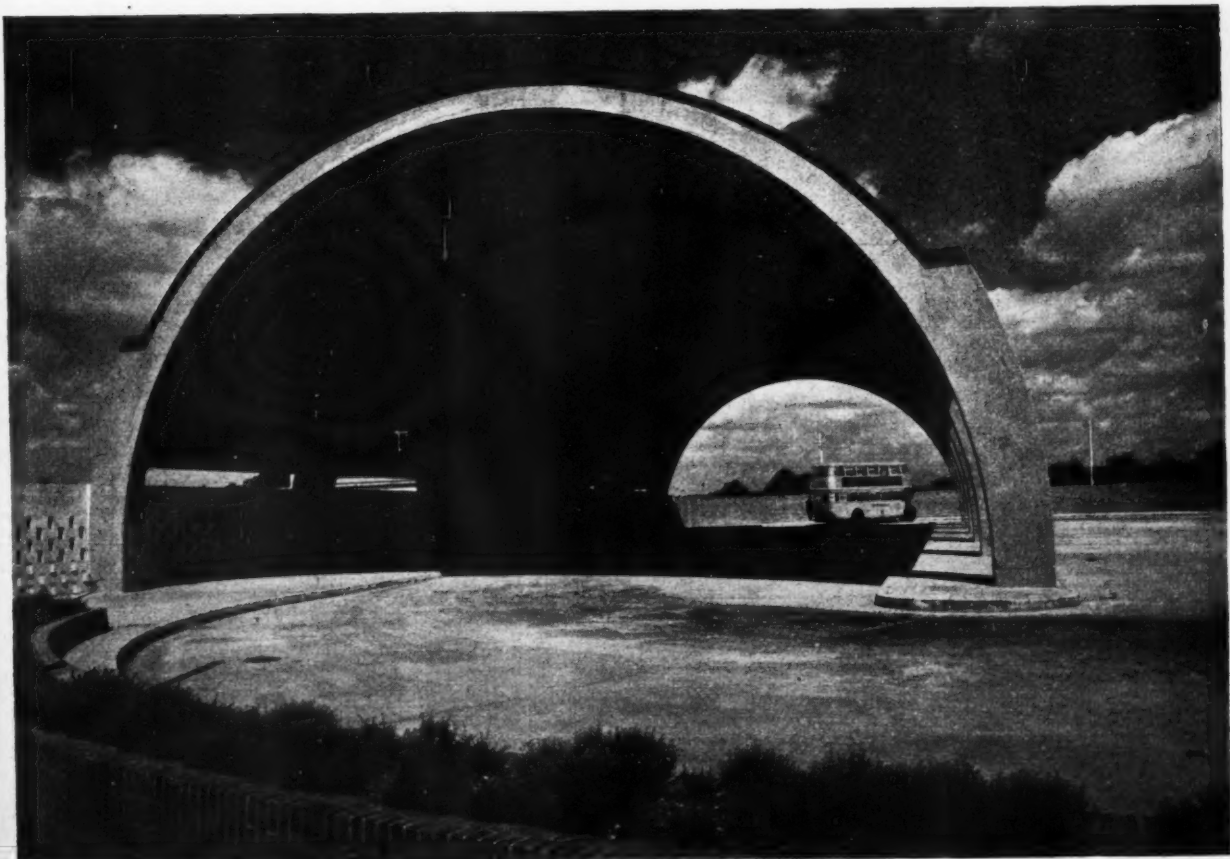


SIDE ELEVATION OF BUS STATION [Scale: $\frac{1}{8}$ " = 1'0"]



END ELEVATION

End view.





Left, another view through the bus station arch. Below, side elevation showing entrance to yard in foreground.

open forecourt with a 45-ft. carriageway and 12-ft. wide footpath, and a covered section with a 36-ft. roadway and a 16-ft. footpath. The latter has direct access to the temporary ticket hall and is also connected with the new permanent canteen for railway and bus staff.

CONSTRUCTION.—The covered portion consists of a copper-covered reinforced concrete barrel vault. The ribs of the roof are of a specially selected Chesil Beach shingle aggregate, left exposed by a retarding process during casting to give a fine shingle texture. The roof panels are also of reinforced concrete.

FINISHES.—The roof is copper covered and the panels are finished with salmon matt cement paint on the inside. Fluorescent lighting is used throughout. A series of strip lights on the inside of the covered portion are screened from the driver's viewpoint. The forecourt is lit by strip lights fitted longitudinally on the outside of the barrel vault on one side and by reinforced concrete standards on the other.

The general contractors were Messrs. Higgs & Hill, Ltd.



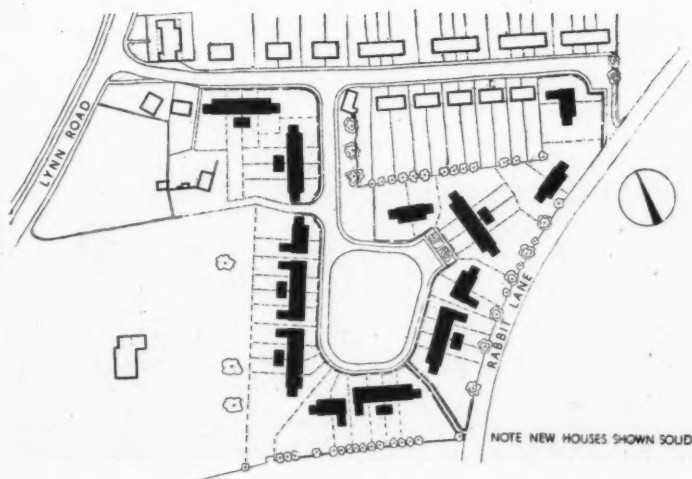
BUS STATION AT NEWBURY PARK



Typical block of four houses.

HOUSING AT MARKET DOWNHAM

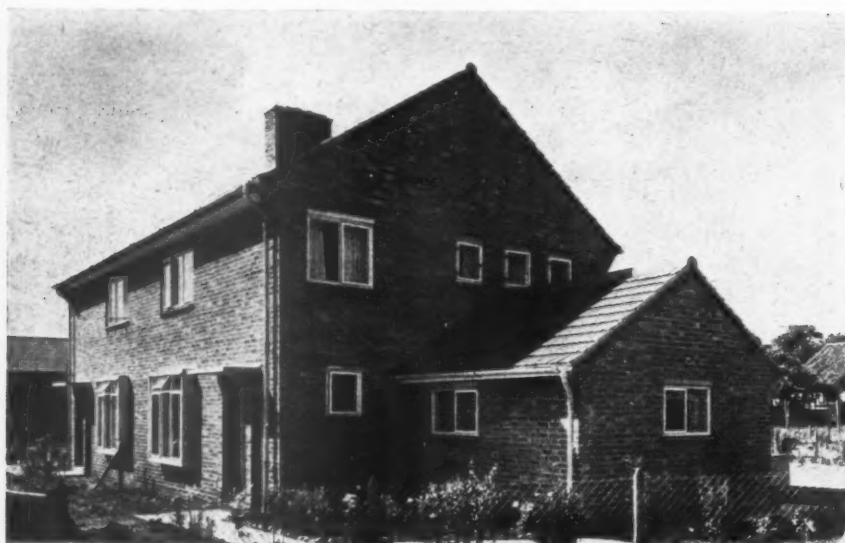
BY H. C. HUGHES AND PETER BICKNELL



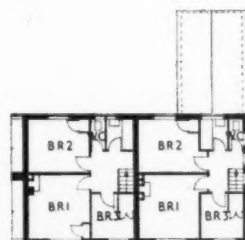
SITE PLAN

GENERAL.—The Retreat Estate for Market Downham UDC is an extension of a pre-war local authority housing scheme in a semi-rural area, with houses based on the standard 1944 Housing Manual type plans. The site has a slight rise to the south and the houses are grouped around a central green. Symmetry has been avoided and houses which have a prominent visual position have been emphasized by being set back or isolated. The houses are all three-bedroom dining-kitchen types, except for one house in each block of four, which has an extra bedroom over the central passage.

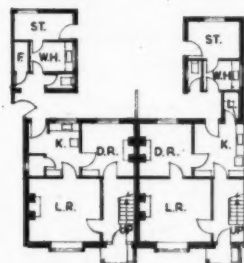
CONSTRUCTION.—Load bearing walls are 11-in. cavity brickwork faced with light coloured rustic



Top, a pair of semi-detached houses. Centre, detail of an entrance porch. Bottom, a general view.



FIRST FLOOR PLAN



GROUND FLOOR PLAN OF TERRACE HOUSES
[Scale: $\frac{1}{4}$ " = 1'0"]



bricks. The timber pitched roofs are covered with dark brown interlocking concrete tiles.

FINISHES.—The colour scheme consists of white painted windows, grey gutters and downpipes and doors of bright blue, yellow and grey.

The general contractors were Messrs. J. L. Kier & Co., Ltd. For list of sub-contractors see page 722.

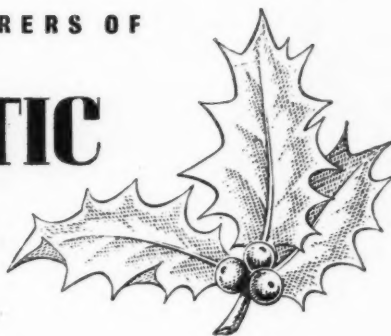


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TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed on one side of the paper only, to allow readers to cut out the items for filing and paste them up in classified order. Headings below.

INFORMATION CENTRE

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2.104 planning: general T AND CP ACT, 1947

A Companion to the Town and Country Planning Acts and Orders. Norman C. Abbey. (Eyre & Spottiswoode (Publishers), Ltd. 260 pp. and Index. 10s. 6d.)

Sound explanation of Act; useful to architects.

By now, the public is entitled to expect a reasonably high standard in respect of books explaining town and country planning. Mr. Abbey's book meets that test very well indeed. Its principal characteristic is that the author has properly assimilated his subject before even attempting to plan his book. The reader is not left to make his own transitions from Act to Order. If he is concerned to find the basis on which compensation for land compulsorily acquired is assessed, he is not compelled to co-ordinate for himself the 1944 Act, the 1947 Act and the 1919 Acquisition of Land Act.

The book is primarily a descriptive account of the new powers and responsibilities of local authorities, and of the Ministry and the Central Land Board behind them, in relation to the control and use of land which they do not directly own. By now, the ground necessarily covered in dealing with that is very wide. The value of the book to those working for, or with, local authorities, is obvious. Its value to an architect is this: it gives him detailed information on the extent of the local authorities' powers, which he must know. It also gives him a most valuable background of information on the local authority at work in its present day role, by now almost that of a third partner in any building operation. The book can be treated as a standard guide. It will doubtless require revision from time to time, but it is unlikely to be superseded by any later equivalent production.

3.22 planning: regional and national SOUTH WALES OUTLINE PLAN

(1) *South Wales Outline Plan.* T. A. Lloyd and H. Jackson. (HMSO, 1949. 42s.)

(2) *South Wales Outline Plan: Explanatory Memorandum.* Ministry of Town and Country Planning. (HMSO, 1949. 2d.)

Concise and well-presented plan for South Wales and Monmouthshire Development Area, excluding Borough of Pembroke. Prepared for MOTCP in order to investigate extent of physical, social and economic changes necessary to create better living conditions in the region and a more balanced industrial structure. Fully illustrated, appendices, short index. MOTCP memorandum containing Minister's "provisional views" on consultants' main proposals.

This outline plan, which has been designed as a "physical framework for work, homes and play," is concerned with the South Wales and Monmouthshire Development Area as defined in the Distribution of Industry Act, 1945, excluding the Borough of Pembroke. It should be noted that work on the plan was begun in 1945 and that the findings were submitted to the Minister already in 1947. It is explained, however, in the MOTCP memorandum that the time gap between 1947 and the date of publication in 1949 is due to the fact that developments have taken place during that time which made it necessary "to re-examine in the light of later information the basic assumptions on which proposals in the plan are based" and to issue the plan together with an outline of the Minister's "provisional views on the main proposals." The three principal developments referred to are defined as the 1947 Planning Act, the nationalisation of coal, and the steel and tin-plate nationalisation scheme in South Wales.

Scope of Plan

In a preface to their report the consultants define the scope and policy of the plan. They stress its regional outline character and briefly summarize the aims of their proposals under five headings dealing with major industrial groupings; limits of areas allocated for living purposes and their potential populations; transport requirements; open zones, i.e., rural areas together with land outside residential areas which should continue to be mainly unbuilt-on; and amenity zones, which comprise national and regional parks, holiday resorts, etc. The most urgent regional replanning aspect is confined to those parts of the Development Area which are chiefly located within the coalfield and which are most in need of additional employment opportunities. In this connection it is proposed to centralize the overspill from a considerable number of smaller communities into larger and more flexible planning units "in surroundings likely to be more conducive to good conditions for working, living and playing." Proposals for areas outside the coalfield include the expansion of existing built-up areas by means of new neighbourhoods, and the redevelopment of towns in accordance with "the size and pattern requisite for standards of a modern town."

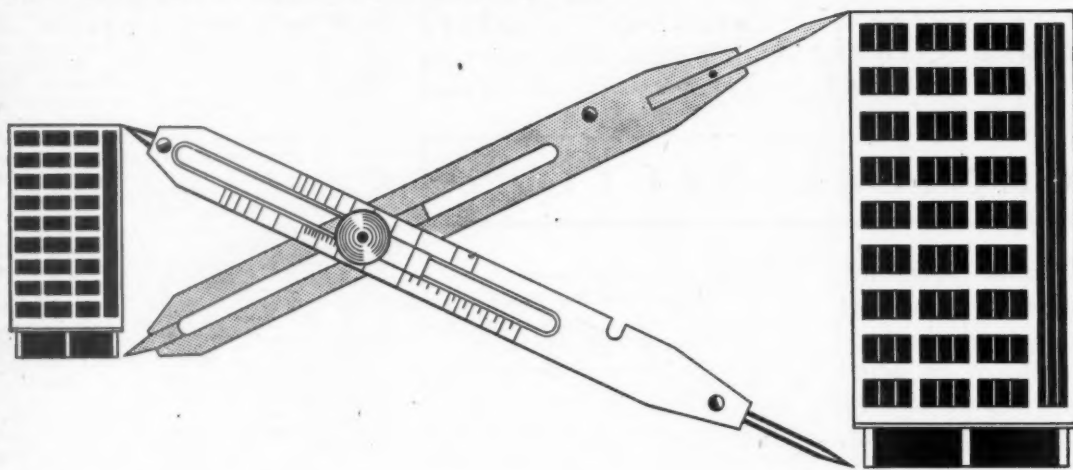
Physical Background

The first chapter of the report is devoted to a description of the physical background of the region which extends from Kidwelly

in the West to Pontypool in the East, and from the Bristol Channel in the South to the Carmarthen Vans, the Brecknock Beacons and the Black Mountains in the North. The Development Area covers some 1,385 square miles, with an estimated population at present of 1,647,400. Of the total area the coal measures occupy as much as 800 square miles, while the coastal plain between Newport and Kenfig Burrows contains some 280 square miles. In addition to its predominantly industrial areas the region contains an extensive acreage of agricultural land, some beautiful river valleys, and a variety of pleasant rural and coastal scenery. Topographically the region is formed of a series of deeply-cut narrow river valleys, divided by steep hills. Within the coalfield belt these valleys have developed into the characteristic mining areas of industrial South Wales. They converge on the coastal plain, with its ports and commercial centres, including Newport, Cardiff, Port Talbot and Swansea. In these and in the valleys the main population is concentrated. Attention is drawn to the common pattern of the mining valleys, in which the flat land is taken up by the river, the railway, the main road and the collieries. Above that level housing and other buildings extend in rows up the lower hillsides. It is interesting to note that, while mining towns and villages grew haphazardly without any reference to contour restrictions, this very type of ribbon development left much of the hillsides and all the upper levels free from building, so that open country is usually to be found within a few minutes' walk from the main streets. The chapter also refers to the physical formation in the coastal plain and agricultural areas, and is illustrated by maps showing geological structure, physical features, land classification and utilization.

Industry and Commerce

Under this heading the report analyses the region's industrial structure, which is, in the main, based on coal mining, with steel, iron, tin-plate and their subsidiary processes as contributory industries. A short outline of development, decline and fluctuations in the various industries is given. Reference is made to the detrimental physical impact of coal mining on the face of the land, and there are recommendations concerning the necessity to deal with the effects of mining subsidence and to pay more attention to the better siting of housing in relation to industry and public services from a regional point of view. Other subjects covered in relation to industry and commerce include the South Wales ports, the introduction of new industries into the region, and extensions to existing ones in the interest of full employment, and finally agriculture. Relevant planning recommendations refer to the need to make fuller use of the existing excellent dock facilities in order to balance the loss due to the decline in coal shipments. Facilities to build new factories granted to industrialists under the Distribution of Industry Act, 1945, which also empowers the Board of Trade to provide factories in the development areas and to finance the establishment of industrial estates, should go a long way towards creating the required variety of employment for both men and women. The principles on which industrial location is to be based are set out in detail. It should be noted that the establishment of trading estates and large industrial sites as isolated projects without residential and allied services is discouraged. They should be so planned as to form part of urban units. New factories in the mining valleys and settled industrial area should be sited in localities where reasonable facilities are available. Recommendations in regard to agricultural land use are based on the assumption that, except for the coalfields area and heavily industrialized districts, good farming land must be retained, and that the principal of an "urban fence" on the outskirts of large towns, once established, should be adhered to.



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BLOCK LETTERS Please A.J. 22.12.49

Correction

In our illustrated article on Housing at *Sunbury-on-Thames*, published on December 8, there was an error in the diagram showing a section of a roof truss on page 656. The battens on this are at 2-ft. centres and not 3-ft. as dimensioned. The name of ICI (Metals Division and British Aluminium Co. Ltd.) was omitted from the list of sub-contractors.

Announcements

The properties of Armourplate and Armourlight, "toughened" types of glass and the processes involved in their manufacture, are the subject of a new film issued by Pilkington Bros. Ltd. The film, of approximately 20 minutes duration, also demonstrates the many and varied uses of toughened glass and, as so many of its applications are of direct concern and interest to architects, copies of the film are available on loan to architectural associations, schools and training courses. Applications should be addressed to Pilkington Brothers Limited, Publicity Department, St. Helens, Lancashire, or to their London office at Selwyn House, Cleveland Row, St. James's, S.W.1.

The Board of Trade Timber Control announce to those firms who import hardwood under the Hardwood Overseas Procurement Scheme, Part III, that beech can now be imported from Denmark. The dimensions must not exceed (a) 4 in. by 4½ in. by 48 in.; (b) 1½ in. by 4½ in. without restriction in length. The maximum cost must not exceed 10s. per cubic foot c.i.f. United Kingdom port for material not exceeding 48 in. in length. The maximum

price may be exceeded, however, for item (b) if the length is considered to warrant it. The total quantity permitted is small and the volume authorized to any one firm will be restricted.

Messrs. Arthur E. T. Mort and Partners (Mr. Alfred H. Howard, L.R.I.B.A.), of Westminster Bank Chambers, Winchester, beg to announce that they have opened a branch office at 33, High Street, Andover, Hants, and will be pleased to receive trade catalogues, etc.

Mr. Wells Coates, R.D.I., F.R.I.B.A., and Miss Jaqueline Tyrwhitt, A.M.T.P.I., A.I.L.A., have entered into partnership. With a group of associates and consultants they will practice under the style of Wells Coates, Jaqueline Tyrwhitt and Associates, chartered architects, town and landscape planning consultants, 18, Yeoman's Row, London, S.W.3 (tel.: Kensington 9252-53).

Messrs. Rushton, Howard & Partners, chartered architects and surveyors, have dissolved partnership. The practice will be carried on by Mr. N. James Rushton from 21, Markham Street, S.W.3 (tel.: Kensington 6756).

Buildings Illustrated

Hostel in Bryanston Square, W.1 (pages 707-710). Architect: James Cubitt & Partners. Assistant Architect: Brenda Walker. General Contractor: Griggs & Son Ltd. Sub-contractors: Demolition, excavation, foundations, plumbing, damp-boilers, heating, Crane; hot water, Ideal hung sashes, fire-resisting doors, water

supply, Griggs & Son Ltd.; asphalt, Natural Rock Asphalt Co.; reinforced concrete, Diespecker; bricks, Passmore; stone, window furniture, door furniture, Knight & Co.; fireproof construction, fire-resisting glazed partitions, EJMA sections, Morgan & Partners; partitions, Broad, Acheson; glass, patent glazing, James Clark & Eaton Ltd.; woodblock flooring, Vigers Bros. Ltd.; patent flooring, Semtex Ltd.; central heating, ventilation, Ellis Ltd.; grates, "Sofono" Camelion Iron Co.; gas fixtures, Falkirk Iron Co.; gas-fitting, Gas Co.; boilers, heating, Crane; hot water, Ideal Boiler & Radiators; electric wiring, bells, Drake & Gorham, Ltd.; electric light fixtures, staircase and bathrooms, Hume Atkins & Co.; Ltd.; plumbing, John Lakers Ltd.; sanitary fittings, Bolding, Ltd.; stair-treads, lino, Cellulin, nosings, Ferodo Ltd.; casements, Holcon Ltd., Carda Windows; telephones, GPO; folding gates, Esavian Ltd.; rolling shutters, Haskins, Wood, Ltd.; iron staircases, S. W. Farmer & Son, Ltd.; decorative plaster, W. & A. Telling, Ltd.; metal work, lift enclosure and rear balconies, Kingsmill Metal Co. Ltd.; telephone boxes, W. James; front balcony, MacFarlane's; castings, stairs, cupboards, doors, Morgan & Partners; joinery, fittings, Heal's Contracts and Lindsey; marble, Low & Partners; tiling, bathroom, etc., Camden Tile & Mosaic Co.; wallpapers, Arthur Sanderson and Sons Ltd.; lifts, Hammond & Champness; signs, Knight & Co. Ltd.

Housing at Market Downham. (Pages 717-718). Architect: H. C. Hughes & Peter Bicknell. General Contractors: J. L. Kier & Co. Ltd. Sub-contractors: Bricks, London Brick Co.; roof tiles, Cambridge Concrete Co.; windows, Boulton & Paul, Ltd.; artificial stone, Cambridge Artificial Stone Co.; ranges, Eagle Range & Grate Co.

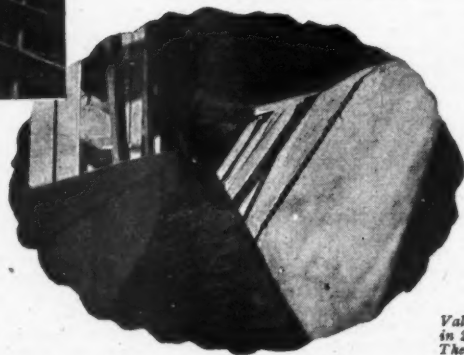
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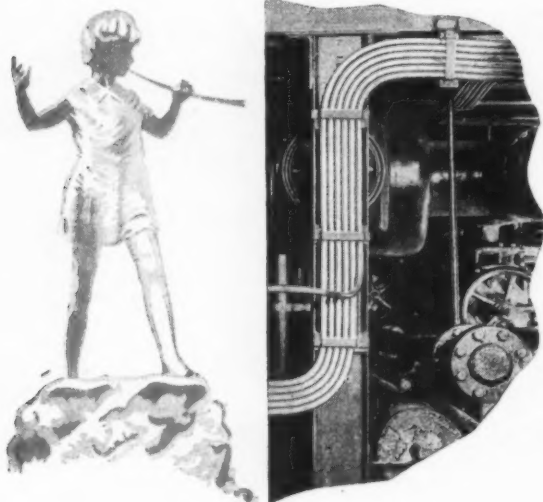
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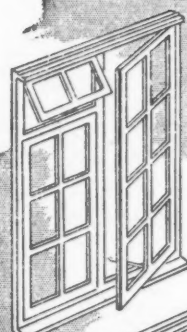
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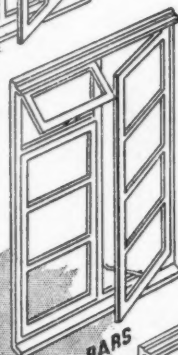
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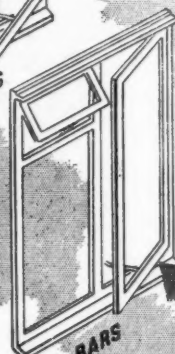
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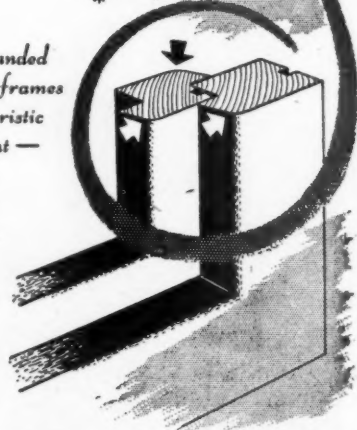
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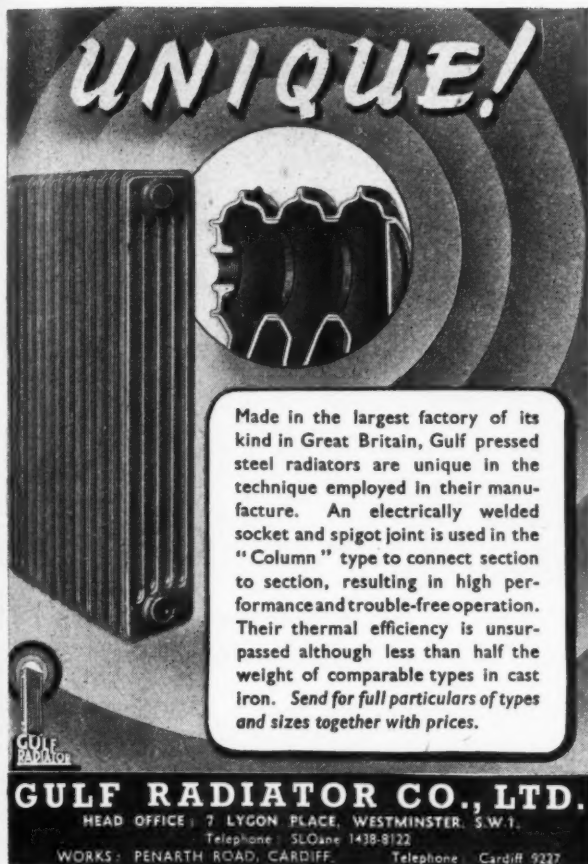
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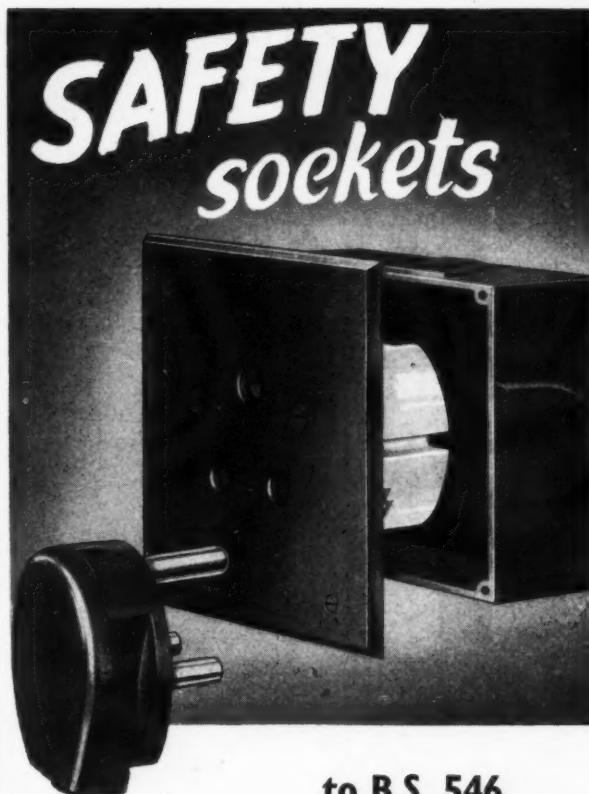
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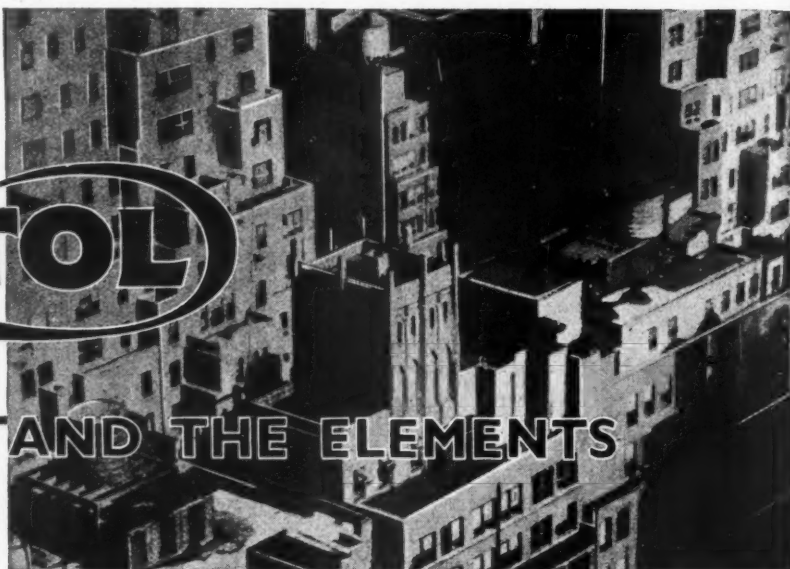


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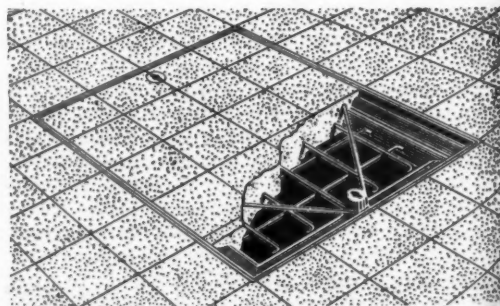
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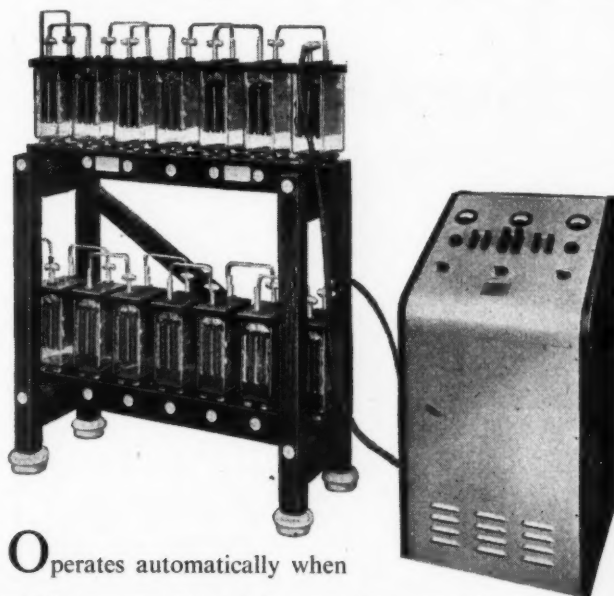
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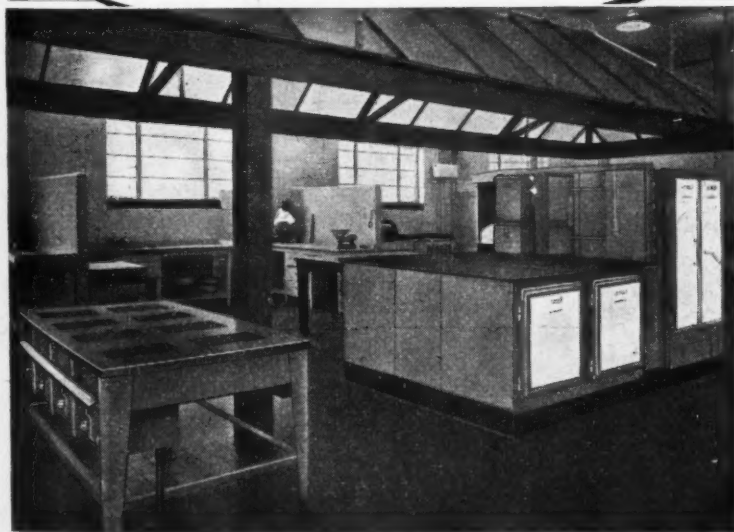
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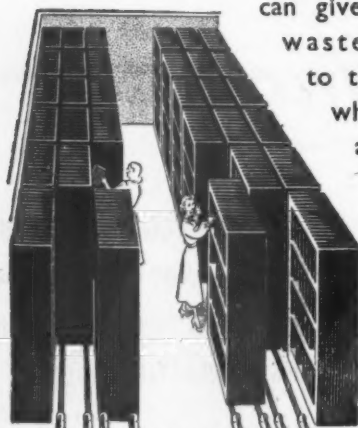
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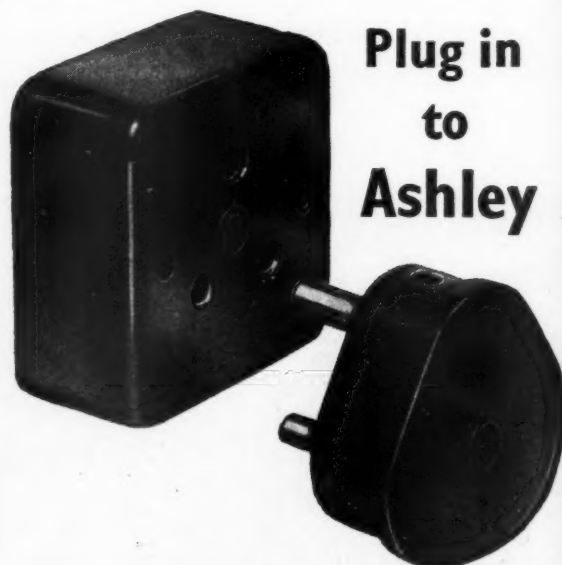
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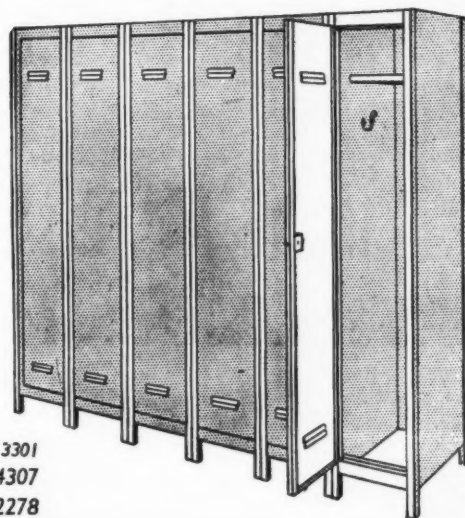
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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the *Adm. 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 to *"The Architects' Journal,"* at the address given above.

Available only to applicants excepted from the *Control of Engagement Order, 1939*.

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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: EMPLOYMENT REGISTER, WARR PARK, WITTLERS. Tel.: Uplands 0635. 991

CORPORATION OF GLASGOW HOUSING DEPARTMENT. ASSISTANT ARCHITECTS:

Grade II. Salary scales: A.P.T., VI, £596-£660; A.P.T., V, £520-£570; A.P.T., III, £450-£495; A.P.T., II, £420-£465.

Applications are invited for appointments to the Architectural Staff of the Department, at salaries in accordance with the above scales. Placing on these scales will be according to age and experience.

Applicants should have passed the Final Examination of the Royal Institute of British Architects or should hold other equivalent qualifications.

The appointments will be to the Permanent Establishment of the Department, and are subject to the provisions of the Corporation's Superannuation Scheme. Successful applicants will require to pass a medical examination.

The appointments are terminable on either side by one month's notice in writing.

Applications, stating age, particulars of training, experience and qualifications, should be addressed to the undersigned and should be received within 14 days of the publication of this advertisement.

A. G. JURY,

Director of Housing.

Housing Department, 20, Trongate, Glasgow, C.1. 2701

COUNTY BOROUGH OF ROTHERHAM. SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment in the office of the Borough Engineer in accordance with Grade VI of the A.P.T. Division of the National Scale of Salaries, namely, £595 to £660 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and have had a good training and an adequate experience in the design and construction of modern buildings. Applicants should give full details of present and previous appointments and the salary attaching thereto.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than the 7th January, 1950.

JOHN S. WALL,

Town Clerk.

Municipal Offices, Rotherham. 7th December, 1949. 2924

SOUTH-WESTERN REGIONAL HOSPITAL BOARD. ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:

(1) SENIOR ARCHITECTURAL ASSISTANT. Applicants must be members of the Royal Institute of British Architects, and have had considerable experience in hospital design. Salary A.P.T., Grade VII, £635 per annum, rising by annual increments of £25 to £710.

(2) QUANTITY SURVEYOR. Applicants should be Members of the R.I.C.S., with considerable experience in a Quantity Surveyor's office, and be experienced in the preparation of Bills of Quantities for all trades, detailed approximate estimates, valuation and measurement for interim certificates, and the settlement of final accounts. Salary A.P.T., Grade VII, £635 per annum, rising by annual increments of £25 to £710.

The appointments will be subject to the provision of the National Health Service (Superannuation) Regulations, and the successful candidates will be required to pass a medical examination.

Applications, setting out qualifications and experience, and giving names and addresses of three referees, should reach the Secretary of the Board at 5/6, Cotham Lawn Road, Bristol, 6, not later than 10th January, 1950. 2905

BOROUGH OF SOUTHGATE. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. ARCHITECTURAL STAFF.

Applications are invited for the following appointments in the Department of the Borough Engineer and Surveyor:—

(a) CHIEF ARCHITECTURAL ASSISTANT. A.P.T., VII-VIII.

(b) ARCHITECTURAL ASSISTANT. A.P.T., IV-V.

In both cases the appropriate "London weighting" will be paid. For appointment (a) the commencing salary will be the first step of A.P.T., VII.

For appointment (a) applicants must be Associate Members of the Royal Institute of British Architects, and for appointment (b) applicants must at least be in possession of the Intermediate Examination of that Institute.

Forms of application may be obtained from the Borough Engineer and Surveyor, and should be returned to the undersigned not later than 9 a.m. on Monday, the 9th January, 1950.

Canvassing, directly or indirectly, will be a disqualification.

GORDON H. TAYLOR,

Town Clerk.

Town Hall, Palmers Green, London, N.13. 2917

MINISTRY OF WORKS.

There are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS, with recognized training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic Energy and other Research Establishments, Telephone Exchanges, and Housing. Similar vacancies also exist for ASSISTANTS, with specialised knowledge and experience in stonemasonry, particularly in detailing and jointing of ashlar and carved stonework.

Salary: Architectural Assistants, £300-£395 per annum; Leading Architectural Assistants, £500-£625, plus overtime. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a deduction is made in the Provinces.

Although these are not established posts, some of them have long-term possibilities, and competitions are held periodically to fill established vacancies.

Apply in writing, stating age, nationality, full details of experience, and locality preferred, to Chief Architect, W.C.30/1, Ministry of Works, Abell House, London, S.W.1. 2665

SURREY COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ASSISTANT ARCHITECT, Grade VIII. Salary £685 to £760 per annum, plus London allowance of £30 per annum.

Applicants must be Members of the Royal Institute of British Architects, and have had a good training and an adequate experience in the design and construction of modern buildings. Applicants should give full details of present and previous appointments and the salary attaching thereto.

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

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 4th January, 1950.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration. The Council will be unable to provide any housing accommodation, and the successful applicant will be expected to make his own arrangements in this direction.

DUDLEY AUKLAND,

Clerk of the Council.

County Hall, Kingston-upon-Thames. 2927

CITY OF CARDIFF. CITY SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ARCHITECTURAL ASSISTANT (General). A.P.T., Grade VI. Salary £595 per annum, rising by two annual increments of £20 and one of £25 to a maximum of £660.

(b) ARCHITECTURAL ASSISTANT (General). A.P.T., Grade V. Salary £520 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £570.

(c) ARCHITECTURAL ASSISTANT (General). A.P.T., Grade IV. Salary £480 per annum, rising by three annual increments of £15 to a maximum of £525.

(d) ARCHITECTURAL ASSISTANT (Education). A.P.T., Grade III. Salary £450 per annum, rising by three annual increments of £15 to a maximum of £495.

The Council will assist in finding housing accommodation for successful applicants who are married and have children.

Details of conditions and duties may be obtained from the City Surveyor, City Hall, Cardiff.

Applications, endorsed "Architectural Assistant, Grade —" accompanied by the names and addresses of three persons to whom reference may be made, should be delivered to the undersigned without delay, as they will be considered and dealt with as received.

S. TAPPER-JONES,

Town Clerk.

City Hall, Cardiff. 9th December, 1949. 2965

SURREY COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ASSISTANT QUANTITY SURVEYOR, Grade VI. Salary £595 to £660 per annum, plus London allowance of £30 per annum.

Preference will be given to applicants who are Members of the Royal Institution of Chartered Surveyors (Quantities Sub-Division), and who have an adequate experience in the preparation of Bills of Quantities, site measuring, and in settlement of final accounts.

Full details of past and present appointments should be given.

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

Applications, stating age, qualifications, full details of experience, salary required, and accompanied by copies of three testimonials, should be addressed to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, to reach him not later than the 23rd December, 1949. Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

The Council will be unable to provide any housing accommodation, and the successful applicant will be required to make his own arrangements in this direction.

DUDLEY AUKLAND,

Clerk of the Council.

County Hall, Kingston-upon-Thames. 2985

LONDON COUNTY COUNCIL.

Applications are invited for unestablished positions of (i) ARCHITECT, Grade III (salaries up to £700 a year) and (ii) ARCHITECTURAL ASSISTANTS (salaries up to £580 a year), in the Housing and Valuation Department, Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Act, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

Successful candidates will be required to undertake the design, layout and preparation of working drawings for housing schemes (cottages and multi-story flats), and will be employed in the Housing Architect's Division. Preference will be given to candidates holding a recognized professional qualification.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required, and quote Ref. G.R.3). Canvassing disqualified. (2329) 1946

LONDON ELECTRICITY BOARD.

Applications are invited for the post of ASSISTANT QUANTITY SURVEYOR, in the Architect's Section of the Chief Engineer's Department in Central London.

Applicants should preferably have passed an Intermediate Examination of the R.I.C.S., and have had good general experience in the preparation of Bills of Quantities for all trades, measurement and checking of final accounts.

The commencing salary will be £500 per annum. This salary is provisional, and the salary and conditions of employment will be in accordance with those laid down from time to time by the appropriate negotiating body.

Application forms, on receipt of a foolscap envelope, from the Establishments Officer, 46/47, New Broad Street, E.C.2, should be returned duly completed not later than 31st December, 1949, quoting reference EST/V/538. 2982

CITY OF OXFORD EDUCATION COMMITTEE. SCHOOLS OF TECHNOLOGY, ART AND COMMERCE.

SCHOOL OF ARCHITECTURE AND BUILDING.

Applications are invited for the post of FULL-TIME INSTRUCTOR AND LECTURER IN BUILDING CONSTRUCTION AND ALLIED SUBJECTS.

Applicants must be suitably qualified in Architecture, Building or Civil Engineering. Salary in accordance with the Burnham Scale for Establishments for Further Education.

Forms of application and further particulars may be obtained on receipt of a stamped addressed envelope from the Chief Education Officer, 77-79, George Street, Oxford, to whom completed forms must be returned as soon as possible and in any case not later than 14 days from the appearance of this advertisement. 2958

WILLENHALL URBAN DISTRICT COUNCIL. HOUSING ARCHITECT'S DEPARTMENT. APPOINTMENT OF SENIOR ASSISTANT.

Applications are invited for the above appointment in the recently established Architect's Department at a salary in Grade A.P.T., V, of the National Salary Scales. Candidates must have wide experience of the design of Municipal houses and the preparation of specifications therefor.

The appointment will be subject to the National Scheme of Conditions of Service, the Local Government Superannuation Act, 1937, and to termination by one month's written notice on either side.

Applications, stating age, present and previous appointments, particulars of experience, the names of three persons to whom reference can be made, and whether or not the candidate is related to any member or senior officer of the Council, must reach me not later than 3rd January, 1950.

Canvassing will disqualify.

JOHN R. RIDING,

Clerk of the Council.

Town Hall, Willenhall, Staffs. 2953

SURREY COUNTY COUNCIL.**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of an ASSISTANT ARCHITECT, Grade VII, at a commencing salary of £635, rising by annual increments of £25 to a maximum of £710 per annum, plus London allowance of £30 per annum. Applicants must be Associate Members of the Royal Institute of British Architects.

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

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 December, 1949.

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

The Council will be unable to provide any housing accommodation, and the successful applicant will be required to make his own arrangements in this direction.

DUDLEY AUKLAND.

Clerk of the Council.

County Hall, Kingston-upon-Thames. 2914

COUNCIL OF THE COUNTY OF ABERDEEN.**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for appointment as ASSISTANT ARCHITECT. Salary scale £480, rising by annual increments to £610 per annum. Placing within the scale may be granted according to the successful candidate's qualifications and experience.

Candidates must be registered Architects and should be Associates of the Royal Institute of British Architects.

The appointment is subject to the Local Government Superannuation (Scotland) Act, 1937, and the successful candidate will require to pass a medical examination.

Conditions of appointment and Forms of Application are obtainable from the undersigned, and should be returned completed not later than 30th December, 1949.

Canvassing of members of the Council, directly or indirectly, in connection with the appointment shall disqualify the candidate.

CHAS. HORNAL.

County Clerk.

County Buildings, 22, Union Terrace,

Aberdeen.

8th December, 1949. 2939

JOINT COUNTY COUNCIL OF PERTH AND KINROSS.**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following posts:—

(a) ASSISTANT ARCHITECT. Salary scale £520 to £570 (A.P.T. V). Applicants should have considerable experience of design and supervision of building, preferably in the office of a Local Authority, and should be able to take charge of building projects.

(b) ASSISTANT ARCHITECT (3). Salary scale £450 to £495 (A.P.T. III). Applicants should have experience in general architectural work, preferably with some experience of Local Authority Housing. Qualifications should be equivalent to R.I.B.A. Intermediate standard.

The appointments will be subject to the Local Government Superannuation (Scotland) Act, 1937, and the successful applicants may be required to pass a medical examination.

Applications, stating post applied for, age, qualifications, experience, and accompanied by copies of not more than three recent testimonials, should be lodged with the County Clerk, County Offices, York Place, Perth, not later than 9th January, 1950. 2940

EBBW VALE URBAN DISTRICT COUNCIL.**ARCHITECT'S DEPARTMENT.**

Applications are invited for the undermentioned appointment on the permanent staff of the Architect's Department:—

ARCHITECTURAL ASSISTANT. Grade A.P.T. V. Salary £520-£570 per annum.

Applicants must be Members of the Royal Institution of British Architects or the Royal Institution of Chartered Surveyors (Building Sub-Division), and should have had good general architectural experience, not necessarily in Local Government offices. In addition a working knowledge of Quantities would be an advantage.

The Architect's Department has a full programme of work covering Housing Estates (Houses, Flats and Shops), Slum Clearance and Reconstruction Schemes, New Civic Centre. Layout of new parks and open spaces, and general Municipal building work.

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

Applications, stating age, qualifications and experience, together with the names of two referees to whom reference may be made, should be delivered to the undersigned not later than Saturday, the 31st day of December, 1949, and endorsed on the envelope "Architectural Assistant."

Canvassing, directly or indirectly, will disqualify.

R. E. HERBERT.

Clerk of the Council.

District Council Offices, The Walk,

Ebbw Vale, Mon.

9th December, 1949.

2973

LITTLEHAMPTON URBAN DISTRICT**COUNCIL.****APPOINTMENT OF ARCHITECTURAL****ASSISTANT (GRADE V).**

Applications are invited for the above appointment on the permanent staff of the Engineer and Surveyor. The Council may provide housing accommodation. Applicants must be Associate of the Royal Institute of British Architects, and preference will be given to those who have had experience with a local authority. They must also have had good experience in the preparation of Bills of Quantities for housing schemes, the supervision of works in progress, the preparation of interim and final accounts, and negotiations with Government Departments. The appointment will be subject to the National Scheme of Conditions of Service. Applications, stating age, qualifications and previous experience, and accompanied by copies of three recent testimonials, and endorsed "Architectural Assistant," should reach the undersigned not later than Saturday, 7th January, 1950.

D. WILLOUGHBY.

Clerk of the Council.

Council Offices, Littlehampton. 2953

COUNTY BOROUGH OF BRIGHTON.**BOROUGH ENGINEER AND SURVEYOR'S****DEPARTMENT.****APPOINTMENT OF CLERK OF WORKS.**

Applications are invited for the appointment of Clerk of Works (non-established). Salary to be in accordance with A.P.T. VII. £635-£710. Applicants must have a sound practical knowledge of all building trades, and be experienced in the reconditioning of buildings of historical interest.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination if required, and will be terminable on one month's notice on either side.

Applications, stating age, qualifications and experience, and the names and addresses of three persons to whom reference may be made, must be sent to D. J. Howe, Esq., M.I.C.E., M.I.Mun.E., Borough Engineer and Surveyor, 26/30, King's Road, Brighton, 1, not later than 1st January, 1950.

J. G. DREW.

Town Clerk.

Town Hall, Brighton. 1.

2912

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

Applications are invited for the following appointments:—

(1) CHIEF ARCHITECTURAL ASSISTANT

(General). Salary in accordance with Scale VII, A.P.T. (£635-£710).

(2) ARCHITECTURAL ASSISTANT (General). Salary in accordance with Scale V, A.P.T. (£520-£570).

(3) ARCHITECTURAL ASSISTANT (Schools). Salary in accordance with Scale VI, A.P.T. (£596-£660).

(4) ARCHITECTURAL ASSISTANT (Schools). Salary in accordance with Scale V, A.P.T. (£520-£570).

(5) TOWN PLANNING ASSISTANT. Salary in accordance with Scale IV, A.P.T. (£480-£525).

(6) TOWN PLANNING ASSISTANT. Salary in accordance with National Scale, Misc. I (£315-£360).

(7) JUNIOR TOWN PLANNING ASSISTANT. Salary in accordance with National Scale, General Division (£200 at 20 years and £290 at 25 years of age). Duties to be partly clerical.

Candidates should possess appropriate technical qualifications, and will be required to pass a medical examination. The appointments will be subject to the conditions of service adopted by the Corporation and to the Local Government Superannuation Act, 1937.

Housing accommodation will, if necessary, be made available to candidates taking up the Architectural positions.

Applications, stating age, qualifications, present position, salary and experience, accompanied by copies of three recent testimonials, should be appropriately endorsed and delivered to the undersigned not later than Wednesday, 4th January, 1950.

RICHARD DE Z. HALL.

Town Clerk.

Town Hall, Halifax.

9th December, 1949.

2962

COUNTY COUNCIL OF THE WEST RIDING**OF YORKSHIRE.****COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments on the permanent establishment:—

CHIEF ARCHITECTS. £760-£910 and £685-£760.

SENIOR ARCHITECTS. £635-£710 and £595-£660.

ASSISTANT ARCHITECTS. £550-£610, £520-£570, £480-£525, £450-£495.

JUNIOR ARCHITECTS. £420-£465, £390-£435.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, as amended by the West Riding County Council (General Powers) Act, 1948, and to a medical examination.

Applications, on forms obtainable at this office, must be submitted by 9th January, 1950.

HUBERT BENNETT, F.R.I.B.A.

County Architect.

County Hall, Wakefield. 2949

SUNBURY-ON-THAMES URBAN DISTRICT**COUNCIL.**

A vacancy exists for a JUNIOR PLANNING ASSISTANT, in the Engineer's Department of the Council, at a salary in accordance with Grade II of the A.P.T. Division of National Scales of Salaries (£420 to £465 per annum), plus London "weighting" allowance.

Technical qualifications, although desirable, are not insisted upon, but applicants will be required to demonstrate possession of some knowledge of Town and Country Planning.

The position presents an opportunity to gain experience in all aspects of Planning, including presentation of suggestions for development and redevelopment.

Applications, giving the names of two persons to whom reference may be made, should be sent to Mr. A. J. Buttress, L.R.I.B.A., Engineer and Surveyor, Council Offices, Green Street, Sunbury-on-Thames, Middlesex, not later than 7th January, 1950. 2942

Canvassing, directly or indirectly, will be a disqualification.

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, the Council House, Corporation Street, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 9th January, 1950.

Canvassing, directly or indirectly, will be a disqualification.

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

(a) ONE SENIOR ASSISTANT ARCHITECT. Grade VIII. Salary £685-£760.

Applicants must be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

(b) TWO JUNIOR ARCHITECTS. Grade I/II. Salary £390-£465.

Applicants should have passed the Preliminary Examination of the R.I.B.A. and have had experience in general Architectural work.

The appointments will be subject to one month's notice in writing on either side, and to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, the Council House, Corporation Street, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 9th January, 1950.

Canvassing, directly or indirectly, will be a disqualification.

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

(a) ONE SENIOR ASSISTANT ARCHITECT. Grade VIII. Salary £685-£760.

Applicants must be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

(b) TWO JUNIOR ARCHITECTS. Grade I/II. Salary £390-£465.

Applicants should have passed the Preliminary Examination of the R.I.B.A. and have had experience in general Architectural work.

The appointments will be subject to one month's notice in writing on either side, and to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, the Council House, Corporation Street, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 9th January, 1950.

Canvassing, directly or indirectly, will be a disqualification.

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(b) TWO JUNIOR ARCHITECTS. Grade I/II. Salary £390-£465.

Applicants should have passed the Preliminary Examination of the R.I.B.A. and have had experience in general Architectural work.

The appointments will be subject to one month's notice in writing on either side, and to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, the Council House, Corporation Street, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 9th January, 1950.

Canvassing, directly or indirectly, will be a disqualification.

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

(a) ONE SENIOR ASSISTANT ARCHITECT. Grade VIII. Salary £685-£760.

Applicants must be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

(b) TWO JUNIOR ARCHITECTS. Grade I/II. Salary £390-£465.

Applicants should have passed the Preliminary Examination of the R.I.B.A. and have had experience in general Architectural work.

SOUTH-WEST METROPOLITAN REGIONAL HOSPITAL BOARD.

Applications are invited for the following appointments on the Board's Architectural Staff:—

PRINCIPAL ASSISTANT ARCHITECT. £800×£25-£900 p.a. Applicants must be Fellows or Associates of the Royal Institute of British Architects, and have good experience in hospital design and construction, good administrative ability, and be capable of supervising the work of a drawing office.

ASSISTANT ARCHITECTS. A.P.T., Grade VI, £595×£20-£635×£25-£660 p.a. Applicants must be Fellows or Associates of the Royal Institute of British Architects, and be capable of preparing working and detailed drawings and specifications, and supervising the work on individual projects. Experience in hospital planning and construction will be an advantage.

JUNIOR ASSISTANT ARCHITECTS. A.P.T., Grade IV, £480×£15-£525 p.a. Applicants should have attained the Intermediate standard required by the Royal Institute of British Architects, have had good architectural training and general experience, and be capable of preparing working and detailed drawings.

PRINCIPAL ASSISTANT QUANTITY SURVEYOR. £800×£25-£900 p.a. Applicants should be Fellows or Associates of the Royal Institute of Chartered Surveyors, and should have had considerable experience in a Quantity Surveyor's office, be capable of preparing Bills of Quantities for all trades, detailed approximate estimates, specifications, valuations and measurements for interim certificates, and the examination of accounts, settlement of final accounts, negotiation of variations, and dealing with questions concerning controlled materials.

In addition to the above-mentioned salary scales a London weighting allowance is also payable.

The above appointments are subject to the National Health Service (Superannuation) Regulations, 1947/1949, and to satisfactory passing a medical examination.

Applications, stating age, qualifications and experience, together with the names and addresses of three referees, should be forwarded to the undersigned, to be received by the first post on Saturday, 7th January, 1950.

E. G. BRAITHWAITE,
Secretary, South-West Metropolitan
Regional Hospital Board.

11a, Portland Place, W.1.

2974

CITY OF NOTTINGHAM.

CITY ENGINEER'S DEPARTMENT.
Applications are invited for the appointment of **ARCHITECTURAL ASSISTANT**, in Grade A.P.T. VII, i.e. £635×£25-£710.

Applicants should be Associate Members of the Royal Institute of British Architects, with at least three years' experience since passing the Final Examination, preferably in the design of schools and public buildings.

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

Forms of application are to be obtained from R. M. Finch, O.B.E., M.I.C.E., City Engineer and Surveyor, Guildhall, Nottingham, and should be returned to him not later than 20th January, 1950.

J. E. RICHARDS,

Town Clerk.

The Guildhall, Nottingham.

2956

COUNTY BOROUGH OF BARROW-IN-FURNESS.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments:—

(1) **SENIOR ASSISTANT ARCHITECT**, at maximum of Grade VII, i.e. £710 p.a. Candidates must be Associates of the R.I.B.A.

(2) **BUILDING SURVEYOR**, Grade V(a), £550-£610 p.a., for duties in connection with the maintenance of Corporation properties.

The Council has accepted the principle of providing housing accommodation.

Further details of the posts, conditions of appointment and forms of application, may be obtained from the Borough Engineer and Surveyor, to whom completed applications must be returned, not later than Monday, 9th January, 1950.

Canvassing in any form will disqualify.

W. L. ALLEN,

Town Clerk.

2933

LANCASHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment on the permanent staff:—

SENIOR ASSISTANT ARCHITECT, Grade VIII, Salary £685-£750.

Candidates must have ability in design, and be capable of taking charge of large contracts.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937; to a satisfactory medical examination, and to the termination of the appointment by one month's notice in writing on either side.

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three testimonials, to arrive not later than Monday, 2nd January, 1950.

R. H. ADCOCK,

Clerk of the County Council.

County Offices, Preston.

8th December, 1949.

2934

THE URBAN DISTRICT COUNCIL OF CWMBRAN.

Applications are invited for the appointment of **ARCHITECT** to the Council, at a salary within Grade VI, A.P.T. Division of the Scales (£595 p.a., rising to a maximum of £660).

Candidates should be Members of the Royal Institute of British Architects, or otherwise suitably qualified by examination.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, the National Scheme of Conditions of Service, and the passing of a medical examination.

Housing accommodation is available for the successful applicant.

It is believed that the successful applicant will gain valuable experience by working in close liaison with the Cwmbran New Town Development Corporation.

Applications, stating age, education, qualifications, and experience, together with copies of two recent testimonials, and the names of two persons to whom reference may be made, must be received by me not later than 31st December, 1949.

KENNETH G. S. GUNN,

Clerk of the Council.

Council Offices, Cwmbran, Mon.

2950

BARLOW DEVELOPMENT CORPORATION.

Applications are invited for the undermentioned posts in the Department of the Architect/Planner (Frederick Gibberd, F.R.I.B.A.):—

(a) **ONE JUNIOR ASSISTANT ARCHITECT.** Salary £400×£25-£450 per annum.

Candidates, who should be of Inter. R.I.B.A. standard, must have had several years' experience in an architect's drawing office, and be thoroughly conversant with the preparation of working drawings and details for large scale building projects.

(b) **ONE CLERK OF WORKS.** Salary £450×£25-£550 per annum.

Candidates must be experienced in all aspects of building works for large housing contracts.

The appointments will be subject to the Corporation's Staff Rules and Conditions of Service (which are similar to the National Joint Council's Conditions of Service for Local Authorities' Administrative, etc., Staffs), and will in particular involve a contribution to a Superannuation Fund either in accordance with the Local Government Superannuation Act, 1937, or an Assurance Scheme.

Applications, giving full details and names of two referees, should be addressed to the undersigned, to reach him within seven days of the publication of this advertisement.

W. ERIC ADAMS,

General Manager.

"Terlings," Gilston, Harlow, Essex.

13th December, 1949.

2952

CITY OF PORTSMOUTH.

CITY PLANNING DEPARTMENT.

Applications are invited for the following appointments:—

(a) **SENIOR PLANNING ASSISTANT.** Grade Va-VII (£550-£710 per annum).

Applicants should be Corporate Members of the Town Planning Institute.

(b) **PLANNING ASSISTANT.** Grade III-V (£450-£570 per annum).

(c) **PLANNING ASSISTANT.** Grade I-III (£390-£495 per annum).

(d) **GENERAL ASSISTANT.** Grade I (£390-£435 per annum).

The commencing salary in respect of appointments (a), (b) and (c), will be according to qualifications and experience.

A special subsistence allowance may be paid to a married applicant for a period of six months after taking up the appointment if he is unable to secure housing accommodation immediately.

Applications, stating age, present position, qualifications and experience, together with names of three referees, must be delivered to the undersigned, marked "City Planning Appointment," not later than 7th January, 1950.

Canvassing will disqualify.

V. BLANCHARD,

Town Clerk.

City Council Chambers, Southsea.

2951

NORTH RIDING OF YORKSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of **TWO ASSISTANT ARCHITECTS**, Salary A.P.T. Division, Grade VII (£635-£710).

Candidates must be Associate Members of the Royal Institute of British Architects, and must have had experience in the Architect's Department of a local authority.

The appointments, which are permanent and superannuable, will be subject to the candidates appointed passing satisfactorily a medical examination, and to two months' written notice on either side.

Forms of application are not being issued, but further information may be obtained from the County Architect, County Hall, Northallerton, Yorks.

Applications, stating age, qualifications and experience, with particulars of present and previous appointments, and giving the names and addresses of three persons to whom reference can be made, to be received by the undersigned not later than 29th December, 1949.

Canvassing will disqualify, and a candidate who is related to a member of, or senior officer under, the Council must disclose the fact when applying.

H. G. THORNLEY,

Clerk of the County Council.

County Hall, Northallerton.

8th December, 1949.

2941

Amended Advertisement.

BOROUGH OF SOUTHALL.

Applications are invited for the following permanent appointment:—

ARCHITECTURAL ASSISTANT (Male or Female). Salary in accordance with Grade A.P.T., IV, of the National Scheme (£480-£525), plus appropriate London weighting.

Candidates should have had previous Local Government experience. The post is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination. Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him not later than 2nd January, 1950.

J. S. SYRETT,

Town Clerk.

Town Clerk's Office, Southall, Middx.

December, 1949.

2936

BLACKWELL RURAL DISTRICT COUNCIL.

ARCHITECT AND HOUSING SUPERINTENDENT'S DEPARTMENT.

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, in the Architect and Housing Superintendent's Department, at a salary of £420 per annum, rising by annual increments of £15 to £465 (Grade A.P.T. II).

Applicants should have attended a full time course of Architecture and have passed the R.I.B.A. Intermediate Examination, or its equivalent at one of the recognised Schools of Architecture, but have had less than one year's subsequent experience in an architectural office.

Applications, stating age, experience and training, accompanied by two recent testimonials, should be sent so as to reach the undersigned not later than 2nd January, 1950.

R. EVANS,

Clerk to the Council.

Dale Close, 100, Chesterfield Road South,

Mansfield.

2971

COUNTY BOROUGH OF BURNLEY.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) **QUANTITY SURVEYOR.** Grade VII (£635-£710 per annum).

(b) **SENIOR ARCHITECTURAL ASSISTANT.** Grade V (£520-£570 per annum).

(c) **ARCHITECTURAL ASSISTANT.** Grade IV (£480-£525 per annum).

(d) **JUNIOR QUANTITY SURVEYING ASSISTANT.** Grade I (£390-£435 per annum).

Applicants for appointment (a) should be experienced in the preparation of Bills of Quantities, the checking of Interim Valuations, and the settlement of Final Accounts. Preference will be given to Fellows or Associates of the Royal Institute of Chartered Surveyors (Quantity Surveyors' Section), and experience with a local authority would be regarded as an advantage.

Applicants for (b) should be Registered Architects, but preference will be given to Associates of the Royal Institute of British Architects or holders of equivalent qualifications who have had considerable experience in the design and construction of educational and general municipal buildings.

Applicants for (c) should have passed the R.I.B.A. Intermediate Examination or its equivalent, and have had good general experience in an architectural office.

Applicants for (d) should have a good knowledge of building construction and some experience in the preparation of bills of quantities, and measurement of work is essential.

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

Forms of application may be obtained from the Borough Engineer, Town Hall, Burnley, to whom applications must be returned not later than 12 noon on Monday, the 9th January, 1950.

Canvassing, either directly or indirectly, will disqualify the applicants, and any relationship to a member or senior officer of the Council must be clearly stated in the application.

C. V. THORNLEY,

Town Clerk.

Town Hall, Burnley.

December, 1949.

2970

BOROUGH OF SWINDON.

APPOINTMENT OF PLANNING ASSISTANT.

Applications are invited for the appointment of a Planning Assistant, on the staff of the Borough Architect and Planning Officer, at a salary in accordance with A.P.T., Grade II, of the National Scales (£420-£465).

Applicants should be capable draughtsmen and colourists, and preference will be given to those with experience in the revision of ordnance maps and the presentation of town planning surveys and proposals in map form.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination if required, and will be terminable on one month's notice on either side.

Applications, on forms obtainable from me, must be returned not later than 31st December, 1949.

Canvassing will be a disqualification.

D. MURRAY JOHN,

Town Clerk.

Civic Offices, Swindon.

12th December, 1949.

2964

PORHCRAWL URBAN DISTRICT COUNCIL.
Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, in the Department of the Engineer and Surveyor. Salary Grade A.P.T., V or VI, of the National Scale of Salaries, according to qualifications.

Candidates must have had extensive experience in Municipal Architectural Housing work. The Council agree to make available housing accommodation to the successful applicant, and the appointment will be subject to the National Conditions of Service, the provisions of the Local Government Superannuation Act, 1947, the passing satisfactorily of a medical examination, and to one calendar month's notice on either side.

Forms of Application can be obtained from the Engineer and Surveyor, Council Offices, Porhcrawl, and applications endorsed "Architectural Assistant," together with copies of two recent testimonials, must reach the undersigned not later than Tuesday, 10th January, 1950.

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

M. GWYN JENKINS, Clerk.

Council Offices, Porhcrawl. 15th December, 1949. 2966

METROPOLITAN BOROUGH OF POPLAR. WORKS DEPARTMENT.

Applications are invited from suitably qualified persons for the undermentioned established posts:—

- (a) CHIEF ARCHITECTURAL ASSISTANT (A.P.T., VI).
- (b) ARCHITECTURAL ASSISTANT (for Reconstruction Planning) (A.P.T., V).
- (c) ARCHITECTURAL ASSISTANT (A.P.T., V).
- (d) ARCHITECTURAL ASSISTANTS (TWO) (A.P.T., IV).
- (e) ENGINEERING ASSISTANT (A.P.T., III).
- (f) ASSISTANT MAINTENANCE SURVEYOR (A.P.T., III).
- (g) JUNIOR ENGINEERING ASSISTANT (General Division).

Full details of the appointments and forms of application may be obtained from the Borough Engineer and Surveyor, Poplar Town Hall, Bow Road, E.3, to whom completed applications must be delivered not later than first post on Friday, 30th December, 1949.

Requests for application forms should state clearly for which post the form is required. 9th December, 1949. 2935

BOROUGH OF SWINDON. APPOINTMENT OF DEPUTY BOROUGH ARCHITECT AND PLANNING OFFICER.

Applications are invited for the appointment of a Deputy Borough Architect and Planning Officer at a salary in accordance with A.P.T., Grade IX, of the National Scales (£250-£300).

Applicants must be Registered Architects and Associate Members of the Royal Institute of British Architects, and qualified by examination as Associate Members of the Town Planning Institute.

Applicants should have had a wide experience of Local Authority work and a thorough and practical training and experience in Town Planning.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination if required, and will be terminable on one month's notice on either side.

Applications, on forms obtainable from me, must be returned not later than 31st December, 1949.

Canvassing will be a disqualification.

D. MURRAY JOHN, Town Clerk.

Civic Offices, Swindon. 12th December, 1949. 2965

SOUTHERN ELECTRICITY BOARD. CIVIL ENGINEERING DRAUGHTSMAN.

Sub-Area Engineering Headquarters, Waterloo Road, Uxbridge.

Sound knowledge of building construction. Experience in the design of reinforced concrete structures and steel frame buildings.

Within the range of £475 to £525 per annum, which is provisional and subject to adjustments by the appropriate negotiating machinery. The successful applicant will be required to join the B.E.A. and Area Boards' Superannuation Scheme, if eligible.

Applications should be made to the Sub-Area Secretary, No. 1 (Southall) Sub-Area, Southern Electricity Board, 2/6, Windmill Lane, Southall, Middlesex, on forms obtainable from him, and should be returned to him not later than 2nd January, 1950.

F. W. KEMPTON, Secretary. 2969

SURREY COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, Grade IV, at a commencing salary of £480 per annum, rising

by annual increments of £15 to a maximum of £525 per annum, plus London allowance of up to £30 per annum, according to age.

Preference will be given to applicants who, having passed the Intermediate Examination of the Royal Institute of British Architects, or its equivalent at one of the recognised Schools of Architecture, have worked in an architectural office for a period of two years.

It is desirable that applications should be accompanied by a small sample of the applicant's work.

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

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-on-Thames, not later than the 7th January, 1950.

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

DUDLEY AUKLAND, Clerk of the Council. 2962

County Hall, Kingston-on-Thames.

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

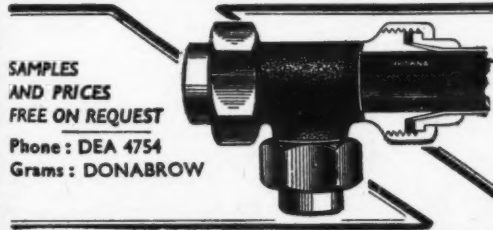
EAST MIDLANDS.—ASSISTANT, Inter. Final standard, required at once for private Architect's office, work mainly domestic. Box 2453.

WANTED, for South Wales Brewery Company, an ARCHITECT to take charge of repairs and maintenance of properties, including improvements of Licensed Houses; state age, salary required, and qualifications. Box 2817.

SENIOR ASSISTANT required in a Bank's Architect's office; good previous experience in the design and maintenance of office buildings essential; age 35-40; preferably an Associate of R.I.B.A.; permanency, with pension, for suitable applicant. Box 2610.

ARCHITECTURAL ASSISTANTS required immediately for varied practice; experience in factory work an advantage; salaries from £400-£450, graded according to experience and ability. Box 2904.

ARCHITECTURAL ASSISTANT required, with at least 5 years' office experience and R.I.B.A. Intermediate standard. Welch & Lander, F.F.R.I.B.A., 38, Gloucester Place, Portman Square, W.1. Telephone: WELbeck 6551/2. 2680



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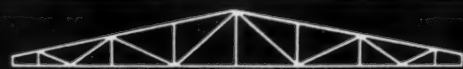
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Cast iron butt hinges

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BALDWIN'S NEW VARIATION of the well-known 'No. 200' combines the advantages of machine moulding with a sealed pin which is impervious to moisture and consequent rust, ensuring perfect fit and smooth opening and closing. (Patent 22/41/48.)

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MILTON ROAD, MILTON Near CAMBRIDGE
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ARCHITECTURAL ASSISTANT needed in Country Practice (chiefly housing); good prospects; salary according to ability. Reply, with full particulars, to Antony Lamb, A.R.I.B.A., A.M.T.P.I., The Town Hall, Ottery St. Mary, Devon. 2896

QUALIFIED ASSISTANT required, with pre-war experience in housing, schools and general industrial work; salary by arrangement. Box 2960.

ARCHITECTURAL ASSISTANT; experienced in preparation of working drawings; salary £750 per annum. Apply in writing to G. A. Jellicoe, F.R.I.B.A., 12, Gower Street, W.C.1. 2961

ARCHITECTURAL ASSISTANT, Intermediate grade, required by London Architect for branch office, South Birmingham. Box 2949.

ARCHITECTS require **JUNIOR** and **SENIOR ASSISTANTS**. Write H. Jackson & B. Edmonds, F.R.I.B.A., 65, New Street, Birmingham. 2, stating qualifications, experience, and salary. 2948

ARCHITECT'S ASSISTANT required for large Multiple Firm; experience of surveys, shop fittings an advantage; good prospects; 5-day week; pension scheme; canteen on premises. Apply, stating age, experience, and salary required; to Box 2944.

REQUIRED, by Wallis, Gilbert & Partners, 5, Cromwell Road, South Kensington, S.W.7. **ASSISTANTS**, with Industrial Architectural experience; salaries will be commensurate with experience between £500 and £750. 2943

LONDON HOSPITAL, WHITECHAPEL, E.1. **APPLICATIONS** are invited for the appointment of **ASSISTANT ARCHITECT**. Salary £200-£290 p.a., according to experience. Candidates should be Members of R.I.B.A. or equivalent, and preferably experienced in hospital work. The post is superannuable under the National Health Service Superannuation Regulations, 1947/1949.

Applications, stating age, present salary and brief statement of qualifications and experience, should be addressed to the House Governor by 31st December, 1949. 2938

REQUIRED, in busy Architect's office on South Coast, experienced **ASSISTANT** for responsible work; principal undertakes to provide convenient flat. Box 2971.

SOUTHAMPTON.—W. H. Saunders & Son have a vacancy in their Southampton office for an **ARCHITECTURAL ASSISTANT**, capable of taking some responsibility; the post is permanent and progressive, and the work in the office is interesting and varied, including commercial and industrial buildings, schools, flats, etc. Applications, giving full particulars and salary required, to 1, Carlton Crescent, Southampton. 2972

H. CADBURY-BROWN, A.R.I.B.A., has a vacancy for an **ARCHITECTURAL ASSISTANT**, with interest in contemporary design; salary according to experience. Apply telephone Mayfair 1924. 2966

NORTH THAMES GAS BOARD.—**ARCHITECTURAL ASSISTANTS** required, preferably experienced in the design, alteration and maintenance of Industrial buildings, and capable of preparing surveys, working drawings, details and specifications; salary range £480-£650 per annum, according to age and qualifications; the appointment is of a permanent nature, and pension arrangements will be discussed with short list candidates. Applications, stating age and full particulars of training and experience, should be sent to the Staff Controller, North Thames Gas Board, 30, Kensington Church Street, London, W.8, quoting reference 9646. 2966

ARCHITECTS require **SENIOR ASSISTANT**; salary £450-£650, according to experience. Also **JUNIOR ASSISTANT**, £250-£350. Permanent positions and good prospects. Stephenson & Gillie, 2, Saville Chambers, Newcastle-upon-Tyne. 2968

Other Appointments Vacant

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

INTELLIGENT and enthusiastic young man, with some knowledge of building construction and materials, wanted for unusually interesting selling job, mainly in London (full-time). Write, with full particulars of age, training, experience, salary required to Box 366.

ESTIMATORS wanted; used to Brakepress work. Apply personally or by letter to Morris Singer Co., Ferry Lane Works, Forest Road, Walthamstow, E.17. 2143

ESTIMATORS required; used to Architectural Metalwork. Apply personally or by letter to Morris Singer Co., Ferry Lane Works, Forest Road, Walthamstow, E.17. 2142

DRAFTSMEN wanted; used to Metal Windows and Brakepress work. Apply Morris Singer Co., Ferry Lane Works, Forest Road, Walthamstow, E.17. 2141

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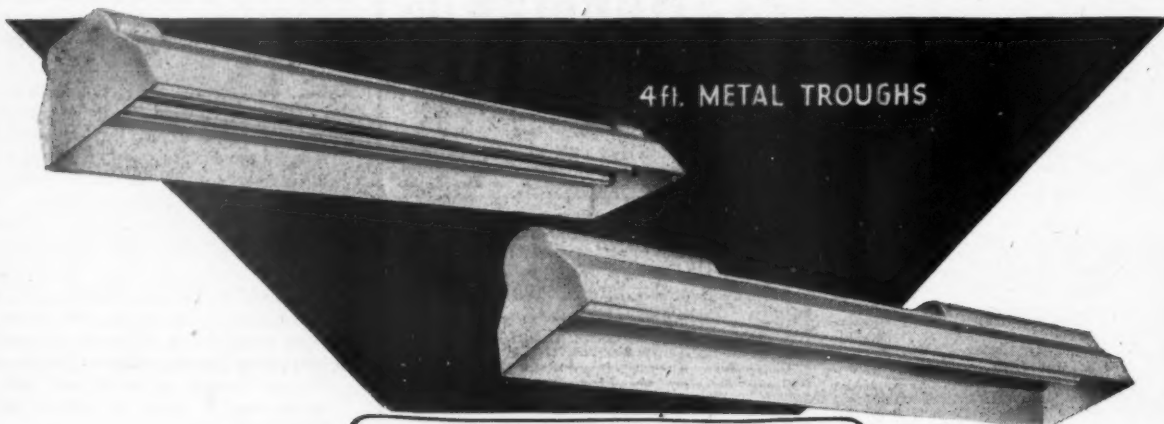
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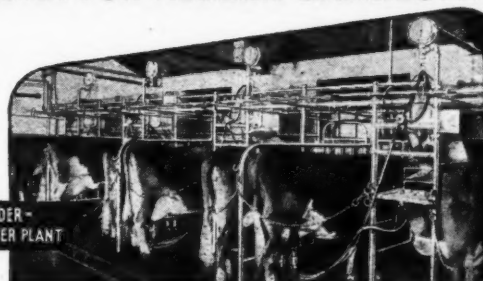
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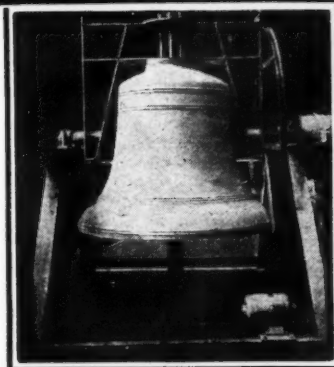
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