

STACK

THE ARCHITECTS' JOURNAL



standard contents

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

NEWS and COMMENT

Diary

News

Astragal's Notes and Topics

Letters

Societies and Institutions

TECHNICAL SECTION

Information Sheets

Information Centre

Current Technique

Questions and Answers

Prices

The Industry

PHYSICAL PLANNING

SUPPLEMENT

CURRENT BUILDINGS

HOUSING STATISTICS

Architectural Appointments
Wanted and Vacant

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

IGE	Institution of Gas Engineers. 17, Grosvenor Crescent, S.W.1.	Sloane 8266
IHVE	Institution of Heating and Ventilating Engineers. 75, Eaton Place, S.W.1.	Sloane 3158/1601
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Euston 2450
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	Museum 1783
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197/5176
IR	Institute of Refrigeration. Dalmeny House, Monument Street, E.C.3.	Avenue 6851
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128
IWA	Inland Waterways Association. 11, Gower Street, W.C.1.	Museum 9200
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264/4175
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM). Secretary: Gontran Goulden, Building Centre, 9, Conduit Street, W.1.	Mayfair 8641
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Curzon Street House, Curzon Street, W.1.	Mayfair 9400
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLGP	Ministry of Local Government and Planning. 23, Saville Row, W.1.	Regent 8411
MOLNS	Ministry of Labour and National Service, 8, St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Princes 9494
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalt Mine-Owners and Manufacturers Council. 94-98, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Abbey 4813
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kens. 8161
NCBMP	National Council of Building Material Producers. 10, Princes Street, S.W.1.	Mayfair 5111
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041/4054
NFBTO	National Federation of Building Trades Operatives, Federal House, Cedars Road, Clapham, S.W.4.	Macaulay 4451
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 1693
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Langham 4341
NPL	National Physical Laboratory. Head Office, Teddington.	Molesley 1380
NSA	National Sawmilling Association, 14, New Bridge Street, E.C.4.	City 1476
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Edinburgh 70396
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Langham 5322/9242
RICS	Royal Institution of Chartered Surveyors, 12, Great George St., S.W.1.	Whitehall 3935
RFAC	Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.	Regent 3335
RS	Royal Society. Burlington House, Piccadilly, W.1.	Trafalgar 2366
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Sloane 5134
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Wimbledon 5101
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers. Grosvenor Gardens House, Grosvenor Gardens, S.W.1.	Victoria 2186
SCR	Society for Cultural Relations with the USSR. 14, Kensington Square, London, W.8.	Western 1571
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1.	Abbey 7244
SEFMA	School Furniture Manufacturers' Association. 30, Cornhill, London, E.C.3.	Mansion House 3921
SIA	Structural Insulation Association. 14, Moorgate, London, E.C.2.	Central 4444
SIA	Society of Industrial Artists. 7, Woburn Square, W.C.1.	Langham 1984
SNHTPC	Scottish National Housing. Town Planning Council. Hon. Sec., Robert Pollock, Town Clerk, Rutherglen.	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 21, College Hill, E.C.4.	City 4771
TGC	The Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 69, Cannon Street, E.C.4.	City 4444
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 74, Victoria Street, S.W.1.	Victoria 5783
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

No. 2948]

[Vol. 114

THE ARCHITECTURAL PRESS
9, 11 and 13, Queen Anne's Gate, Westminster,
S.W.1. Phone: Whitehall 0611

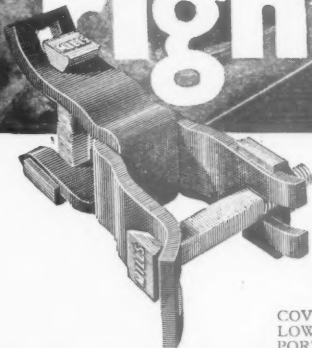
Price 1s. 0d.

Registered as a Newspaper.

B R I D G E T H E G A P W I T H

MILLS

S C A F F O L D



Steel and Aluminium Scaffolding for sale or hire contracts. Every requirement met also for ancillary equipment, including: Shuttering Steel Props • Trench Struts • Splitheads • Hoists • Concrete Mixers Cradles • Builders' Hand Carts • Barrows • Trestles, etc.

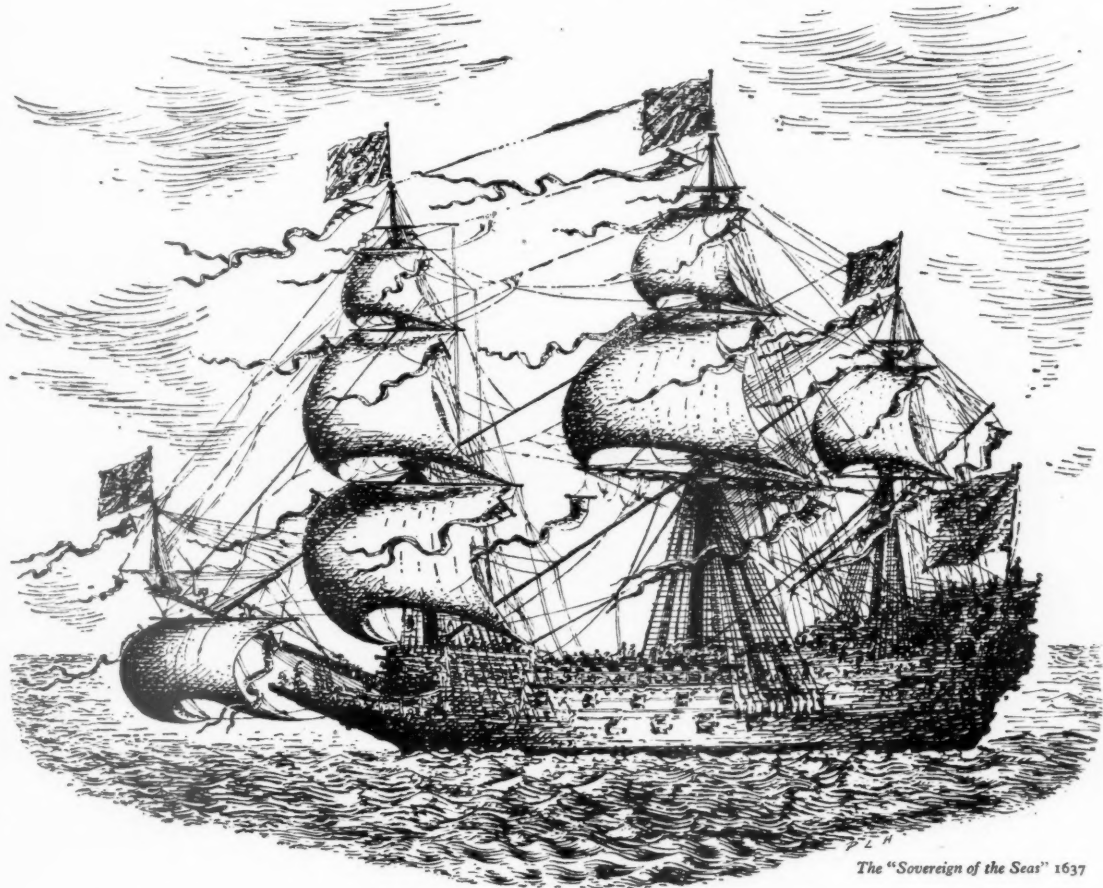
SIMPLY PHONE YOUR NEAREST DEPOT

BELFAST • BIRMINGHAM • BOURNEMOUTH • BRADFORD
BRIGHTON • BRISTOL • CANTERBURY • CARDIFF
COVENTRY • CROYDON • DUBLIN • GLASGOW • HULL • ILFORD • LIVERPOOL
LOWESTOFT • MANCHESTER • NEWCASTLE • NORWICH • PLYMOUTH
PORTSMOUTH • READING • SOUTHAMPTON • SWANSEA • YARMOUTH



MILLS SCAFFOLD CO. LTD., Head Office & Depot, TRUSSLEY WORKS, HAMMERSMITH GROVE, LONDON, W.6 • RIVerside 5026 9

Timber—the medium of all ages



The "Sovereign of the Seas" 1637

Timber had so long been associated with ship-building that when in 1670 Sir Anthony Deane suggested the use of iron pillars and knees, he was hotly opposed by Samuel Pepys.

Timber was a thoroughly understood and proved medium; ideal for the construction of such a living thing as a sailing ship; a delight to the artistically inclined shipbuilder. Few vessels have been so gay as the Tudor galleons with their bright contrasting

colours; none so splendid as the vessels of the Stuart times with their lavish carving and gilding. The iron steamship brought bigger dividends to men's pockets—it left their eyes unsatisfied.

As shipwrights learned their craft by years of practical experience, so the timber merchant learns his trade. Thus, in all questions relating to the supply and use of every kind of timber, Denny Mott & Dickson have an exceptional advantage.

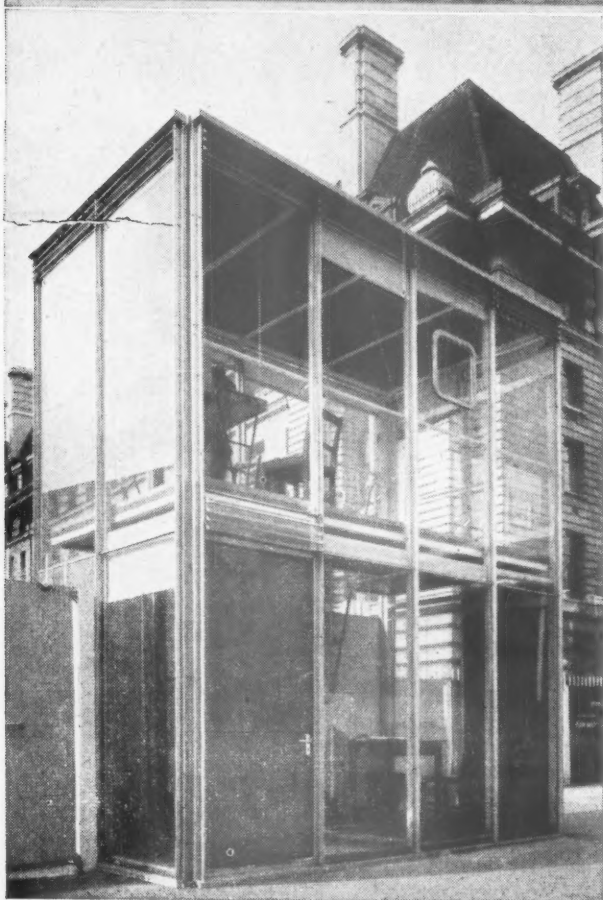
Denny Mott & Dickson Limited

ADELAIDE HOUSE, KING WILLIAM STREET, LONDON, E.C.4

Telephone: MANSION HOUSE 7961

Belfast, Birmingham, Bristol, Cardiff, Glasgow, Hull, Liverpool, Manchester, Newcastle, Preston, Southampton

234/14



INTERESTING GLAZING FEATURES AT THE FESTIVAL

At London's South Bank, the Festival of Britain might well be called a Festival of Glazing — indeed, windows abound wherever you go. In collaboration with leading architects Williams and Williams have produced a great deal of this glazing in extremely interesting designs and applications. Not only in the Transport Pavilion, in which Williams and Williams used every known and many new forms of glazing, but in many other buildings Williams and Williams metal windows, doors and Aluminex Patent Glazing were definitely on the job. On these pages we show some unusual applications of the products of the Williams and Williams Group.

The glazed entrance ramp on the Transport Pavilion (Above) Steel windows form the hundred foot parabola of the entrance ramp to the Transport Pavilion. This glass wall is twenty eight feet high diminishing to twenty feet as the ramp rises. The double swing doors are of pressed steel. Both windows and doors were made by Williams and Williams.

Traffic
(
To
traffic
Festiva
Alumi
tower
police
Stan
tower
Alumi
joinin
louvre
The
The
resem
out t
was a
from
space
this r
12 fe
30 fe
rustp
Tha
Th
looks
be un
out
resta
150 f
eleva
19 b
door
with
anot
slidin
in br
by r
track
poss
Sea
In
show
glazi
deep
deep
norm
Will
to a
effec
the
Wi
M
R
Tran
Cons
Cons
in co
Cont
Thar
PART
ARU
& P
Cou
F.R.I
PART
Sea
PAR
PAR
Tra
OPER
Arch
Eng
RICH

Traffic Control Tower*(Bottom Left)*

To exercise control over the crowds and traffic at the County Hall entrance to the Festival, a control tower was needed. Aluminex was chosen as cladding for the tower to give maximum vision to the policemen and traffic regulators inside. Standing 15 feet high by 13 feet long the tower is clothed in plate glass held in Aluminex patent glazing with special joining muntins for the glass. Ventilation louvres are set at the top of the glass panels.

The Country Pavilion*(Top Right)*

The open side of the Country Pavilion resembles a Dutch barn — familiar throughout the English countryside. This effect was aided by a range of Aluminex suspended from the roof and angled over the open space below. Held in light steel frames this range of Aluminex is 100 feet long and 12 feet deep. The frames are suspended 30 feet above the ground by means of light rustproof steel rods.

Thameside Restaurant*(Middle Right)*

The Thameside Restaurant directly overlooks the Thames. So that the view might be unimpaired and that visitors might pass out onto the promenade that flanks the restaurant, Williams and Williams supplied a 150 foot run of doors and windows for this elevation. The windows were divided into 19 bays, ten of which opened as sliding doors. Each bay consisted of five units with the centre three sliding back on one another to allow maximum passage. The sliding doors run on stainless steel wheels in bronze tracks at the cill, and are controlled by roller guides at the head. The bronze track is sunk into the floor to eliminate any possibility of obstruction.

Sea and Ships Pavilion*(Bottom Right)*

In the elevation of the Sea & Ships Pavilion shown in the photograph, the 27 foot high glazing is supported in especially designed deep finned Aluminex. These bars are $6\frac{1}{2}$ " deep instead of a 2" deep bar which would normally have been used. Williams and Williams developed this special extrusion to assist the architect to achieve the special effect shown which is extremely pleasing to the observer.

Williams and Williams Ltd

Makers of Metal Windows, Doors and
Aluminex Patent Glazing
RELiance WORKS · CHESTER

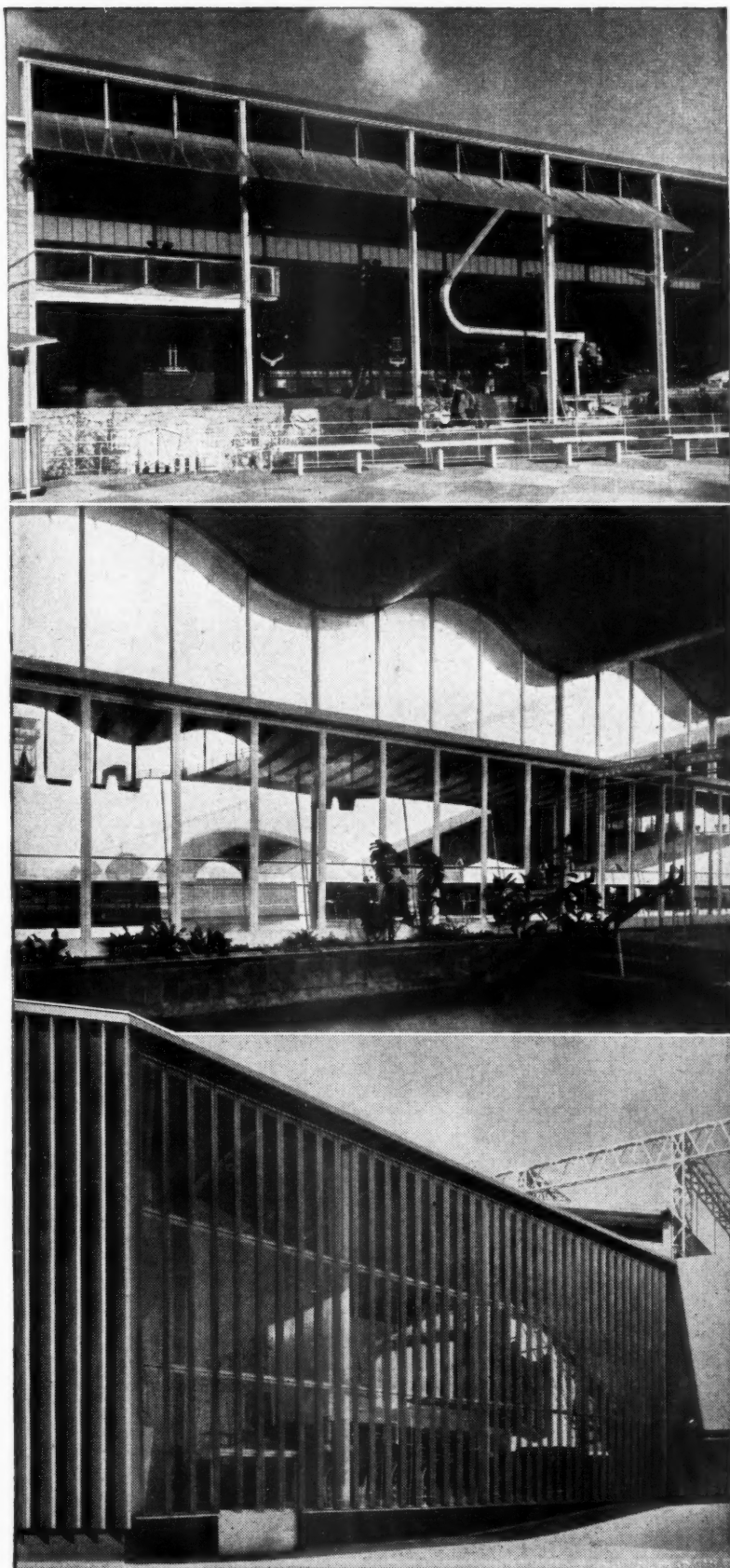
Transport Pavilion Architects: ARCON. Main Consulting Engineers: FREEMAN FOX & PARTNERS. Consulting Engineers to Architects: FELIX J. SAMUELY in collaboration with DR. H. GOTTFELDT, M.I.Struct.E. Contractors: RICHARD COSTAIN LIMITED.

Thameside Restaurant Architects: FRY, DREW & PARTNERS. Consulting Engineers to Architects: OVE ARUP & PARTNERS. Consulting Engineers: R. T. JAMES & PARTNERS. Contractors: KIRK & KIRK LTD.

Country Pavilion Architect: BRIAN O'RORKE, A.R.A., F.R.I.B.A. Consulting Engineers: FREEMAN FOX AND PARTNERS. Contractors: RICHARD COSTAIN LIMITED.

Sea and Ships Pavilion Architects: BASIL SPENCE & PARTNERS. Consulting Engineers: FREEMAN FOX AND PARTNERS. Contractors: RICHARD COSTAIN LIMITED.

Traffic Control Cabin Architects: ARCHITECTS CO-OPERATIVE PARTNERSHIP. Consulting Engineers to Architects: OVE ARUP & PARTNERS. Consulting Engineers: FREEMAN FOX AND PARTNERS. Contractors: RICHARD COSTAIN LIMITED.





Made in Canada

1/2" TENTEST INSULATING BOARD

4' 0" x 6' 0"	4' 0" x 7' 0"
4' 0" x 8' 0"	4' 0" x 9' 0"
4' 0" x 10' 0"	4' 0" x 11' 0"
4' 0" x 12' 0"	

Packed 6 sheets per bundle.



Made in Canada

1/2" STANDARD MASONITE HARDBOARD

4' 0" x 6' 0"	4' 0" x 8' 0"
4' 0" x 10' 0"	

Packed 10 sheets per bundle.

FINNBOARD

Made in Finland

1/2" INSULATING BOARD

4' 0" x 7' 0"	4' 0" x 8' 0"
4' 0" x 9' 0"	4' 0" x 10' 0"
4' 0" x 11' 0"	4' 0" x 12' 0"

Packed 8 sheets per bundle

We are now maintaining balanced stocks of these outstanding brands in the sizes shown at main U.K. ports in order to service the trade.

TENTEST FIBRE BOARD CO. LTD. (BOARD SALES DEPT.) 75, CRESCENT WEST, HADLEY WOOD, BARNET, HERTS.

Telephone: BARnet 5501 (5 lines)

Telegrams: Fiboard, Norphone, London.

UNIVERSAL

ASBESTOS-CEMENT



UNIVERSAL TWIN-TWELVE SHEETING APPLIED TO THE ROYAL FESTIVAL HALL

Universal Asbestos Cement Products have been used for roofing, vertical cladding, or for decorative purposes on all the following buildings forming part of the Festival of Britain.

SOUTH BANK. Country Pavilion. Royal Festival Hall. Power & Production Pavilion. Dome of Discovery. Homes & Gardens. Fairway Screen to York Road. Exhibition Post Office. Sea & Ships Historical Section. Regatta Restaurant. Administration & Canteen Building. Hungerford Foot Bridge Extension. Origin of the People. Station Gate.

BATTERSEA PARK. Dutch Barn Booths. Harbour Bar. Entrance Arches to Aviary Restaurant.

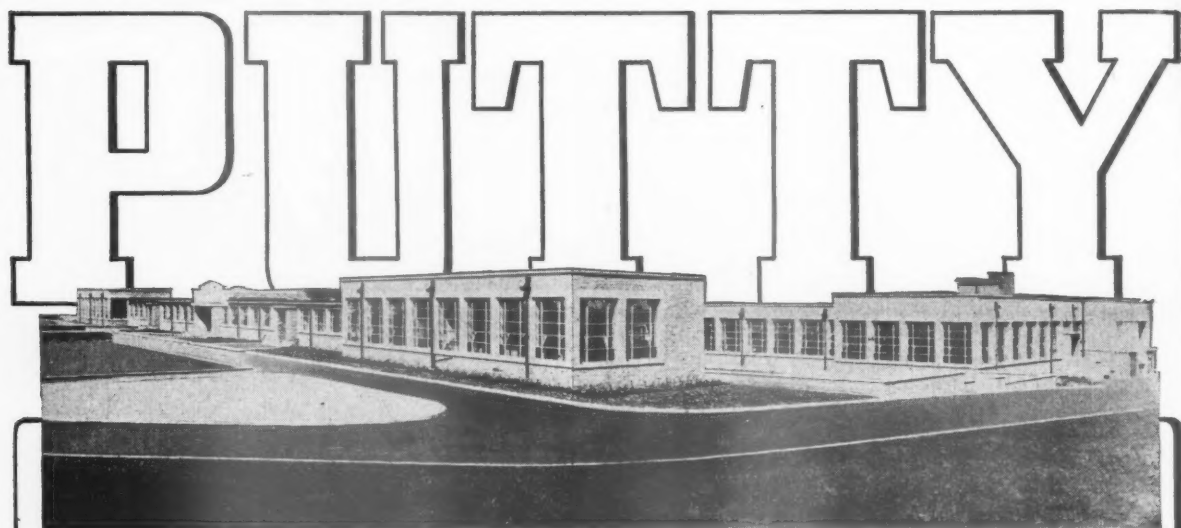
THE UNIVERSAL ASBESTOS MANUFACTURING Co. Ltd.

HANDCRAFT WORKS · TOLPITS · WATFORD · HERTS

Telephone : Watford 3371-3

Telegrams : Uniasbesto, Watford

BRANCHES :— BIRMINGHAM · BRISTOL · LONDON · GLASGOW · MANCHESTER



Education Architect: George Crossley, Esq., F.R.I.B.A. Deighton County Primary School, Huddersfield.
Glaziers and Plumbing Contractors, J. H. Sheuksmith and Sons, Ltd., York and London.

Glaziers Seal-on and on with
SEALON
metal casement PUTTY

The most keenly priced Top-grade

Metal Casement Putty available

Other Sealanco Products include

**SEMAS
BEDDING MASTIC**

Supplied ready for use for Pointing
and Bedding window frames, etc.

**SEMANCO NON-
HARDENING COMPOUND**

For filling glass block clearance joints

SEMANCO MASTIC

The Mastic for fixing Vitrolite glass wall lining

**GENUINE RAW
LINSEED OIL PUTTY**



OBTAINABLE FROM ALL
LEADING MERCHANTS

Manufactured by
SEALANCO (ST. HELENS) LTD.,
ST. HELENS, LANCs.

*The largest exclusive manufacturers of Putties
and similar compositions in Gt. Britain*

WELDED TUBULAR CONSTRUCTION

-by the originators of tubular scaffolding!



WELDED TUBULAR BRIDGE BETWEEN "MINERALS OF THE ISLAND" AND "POWER AND PRODUCTION" BUILDINGS.

ARCHITECTS: ARCHITECTS' CO-OPERATIVE PARTNERSHIP.

ENGINEERS: OVE ARUP & PARTNERS.

Welded tubular construction does the job with less steel, skilful design saving up to 60%. Its clean modern appearance pleases the eye of the architect. The simple shapes which arise from the method of construction are easy to protect against corrosion.

SCAFFOLDING (GREAT BRITAIN) LTD.
MITCHAM SURREY

Telephone : MITCHAM 3400 (18 lines)

Telegrams : SCAFCO, MITCHAM

Branches at: ABERDEEN • BIRMINGHAM • BOURNEMOUTH • BRIGHTON • BRISTOL
CAMBRIDGE • CARDIFF • DOVER • DUBLIN • DUNDEE • EDINBURGH • EXETER
GLASGOW • HULL • LEEDS • LIVERPOOL • MANCHESTER • NEWCASTLE • NOTTINGHAM
OXFORD • PLYMOUTH • PORTSMOUTH • SOUTHAMPTON • STOKE-ON-TRENT • SWANSEA



SGB WELDED STRUCTURES DIVISION



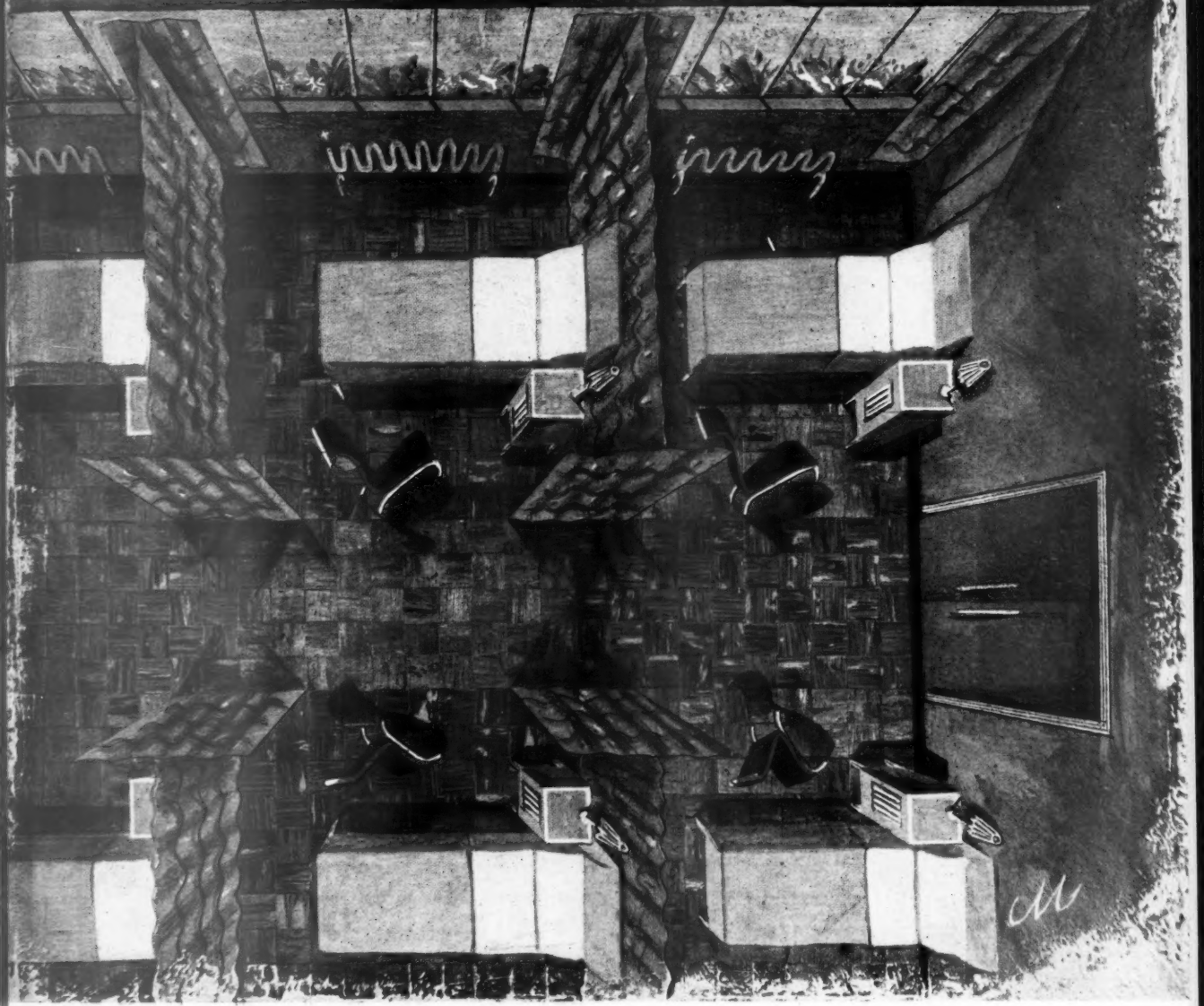
Wood has a character which needs understanding. You don't bash it into place—not at Boulton & Paul anyway. We may do things on a large scale in our wood-working shops, producing every conceivable type of manufactured woodwork, but at the same time we do take pride in our skill as craftsmen. Let us have your joinery enquiries.

when the joinery is by

**BOULTON
AND PAUL**

IT'S A FIRST CLASS JOB

NORWICH • LONDON • BIRMINGHAM



Design for a floor in a Hospital Ward · From the original Collage by R. MYERSCOUGH-WALKER

In Hospitals, and all places where cleanliness is of first importance, Marley Floor Tiles provide the ideal flooring. They are quiet, non-slippery, resilient, durable, hygienic, waterproof and easy to clean. The wide range of colours permits the carrying out of colour schemes previously impracticable in Hospital work.



*Cock o'
the walk*

The Marley Tile Co. Ltd., London Rd., Riverhead, Sevenoaks, Kent. Sevenoaks 2251-6

MARLEY

Labels that signify quality...

VULCAN PRODUCTS *for modern decoration*

Fluorsurf
FLAT OIL PAINT

FOR INTERIOR DECORATION
IS ONLY 5926.

FINISHING COAT

STIR WELL BEFORE USE - DO NOT MIX WITH OTHER PAINTS
FOR SPRAYING THIN ONLY WITH GLOSSEX THINNERS

VULCAN PRODUCTS LTD

Velsurf
THE WASHABLE WATER PAINT

PARCHMENT
No. 6011.

VULCAN PRODUCTS LTD

VULDAC

EXTERIOR & INTERIOR

ENAMEL
FINISHING COAT

BRILLIANT RED
NO. 455.

STIR WELL BEFORE USE - DO NOT MIX WITH OTHER PAINTS
FOR SPRAYING THIN ONLY WITH VULDAC THINNERS

VULCAN PRODUCTS LTD

Specialist Paint Manufacturers
LONDON & SLOUGH

DECORATORS
GLOSSEX
FINISHING COAT

CREAM
No. 1249

VULCAN PRODUCTS LTD

VULTEX

TEXTURE PAINT

HARMONOL

SUPERFINE ENAMEL
FINISHING COAT

PRIMICONE
NO. 242.

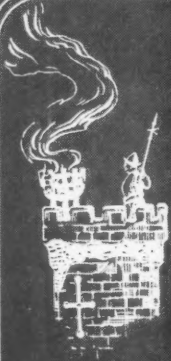
FOR INTERIOR USE ONLY - STIR WELL BEFORE USE
NOT INTERMIXABLE WITH OTHER PAINTS

VULCAN PRODUCTS LTD.
Specialist Paint Manufacturers
LONDON & SLOUGH

VULCAN PRODUCTS LIMITED

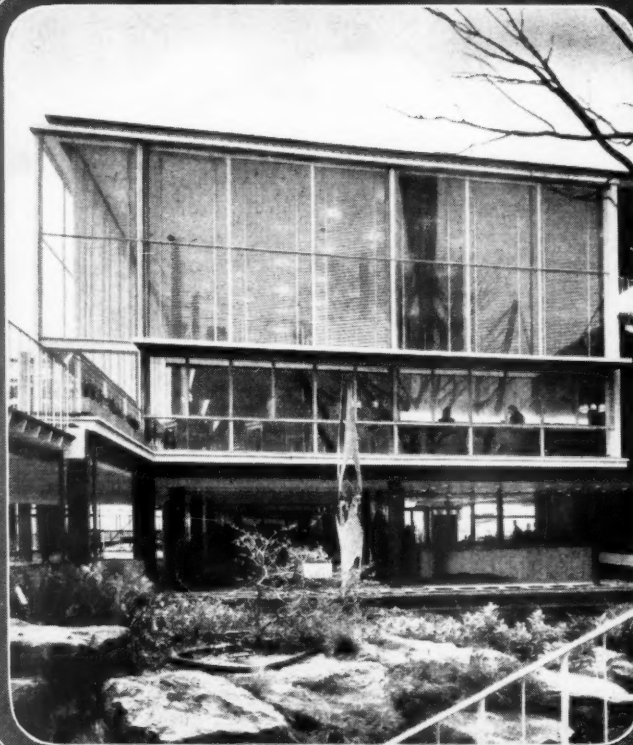
Specialist Paint Manufacturers

SLOUGH, AND 24 RYDER STREET, ST. JAMES, LONDON, S.W.1. TRAFALGAR 4161 (7 LINES)



BEACON

SLIDING & FOLDING WINDOWS



Installed at the REGATTA RESTAURANT, Festival of Britain
Architect: Alex. Gibson, A.R.I.B.A.

JOHN THOMPSON BEACON WINDOWS
LIMITED

Ettingshall, Wolverhampton & Imperial House, Kingsway, London, W.C.2

Telephone: BILSTON 41121

Telephone: TEMPLE BAR 3216

SEE OUR EXHIBIT AT THE BUILDING CENTRE, 9 CONDUIT STREET, LONDON, W.1.

lunch for 6-16, or was it 60?



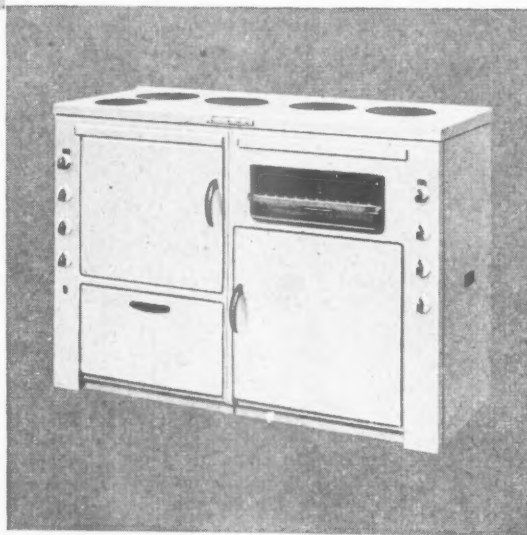
In the Directors' dining-room kitchen at Tate and Lyle's the numbers vary from day to day. The kitchen staff do not worry, however, as their Creda Restaurant Range can be relied upon to cope with any occasion, big or small

The Creda Restaurant Range is really flexible. It can cater for six, sixteen or sixty—yet it's still economical at both ends of the scale. Ideal, in fact, for all small hotels, restaurants, canteens, schools and so on

HC 2899 CREDA RESTAURANT RANGE

- Two ovens—one large, one small
- Separate grill
- Self contained, separately heated warming drawer
- Five boiling plates
- Steel and cast iron construction

Did you know about our Kitchen Planning and Installation Service? Some of the finest kitchens in the country are designed by this team. We shall be glad to tell you more about it if you write to



Catalogue No. HC 2899

Delivery ex-stock

reduce overheads and labour costs with

Creda

heavy duty cooking equipment

made by the house of Simplex

Simplex Electric Co Ltd Oldbury Birmingham & Branches (Electrical engineers for over 50 years)

A  COMPANY

Triad for Concert Hall Roof



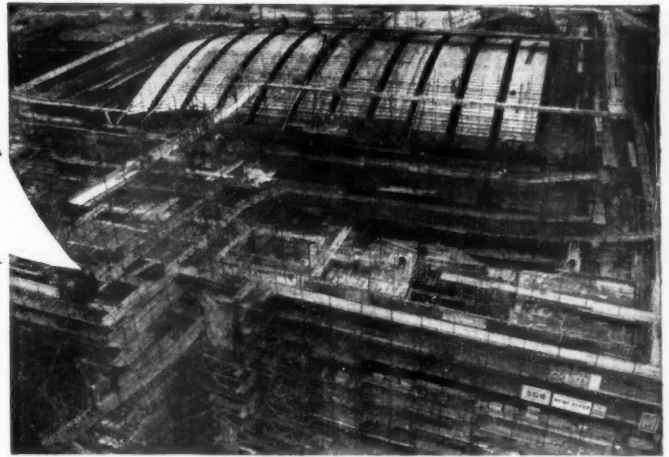
The Triad system of pre-cast concrete flooring units is being used in the roof construction of the Festival of Britain Concert Hall.

Triad pre-centred pre-cast beams, weighing only 145 lbs. each maximum, and infilling slabs, weighing 28 lbs. each, were hoisted 115 ft. to the roof-top by a normal builder's platform. The beams were placed by two men, one at each end. Even at this great height the light weight Triad units allowed remarkably easy handling.

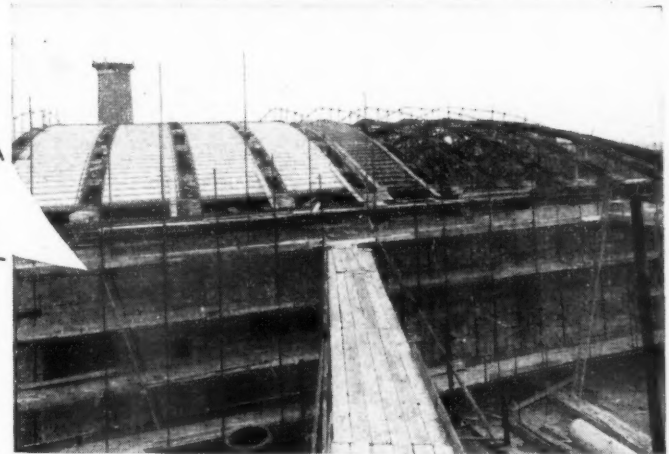
LOWER ROOF. Between Triad beams—placed directly on the steel roof trusses—standard flat centering slabs were spaced.

The whole was then covered with 4" of in-situ concrete, reinforced to carry the dwarf walls that support the upper roof, making an 8" overall depth of reinforced concrete slab. **UPPER ROOF.** This is designed to take a superimposed load of 30 lbs. per sq. ft. and is constructed in five layers: glass wool insulation, 2" thick infilling slabs resting on specially adapted Triad beams, 2" of in-situ concrete, insulating board and copper sheeting. The protective covering was fixed to timber battens slotted into steel channels on the beams. The ease with which Triad units are adapted to meet special requirements was amply proved in this construction.

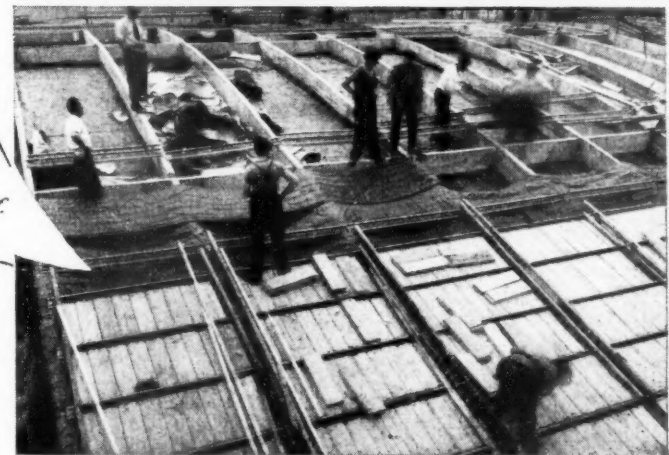
Triads and Slabs dry-decked ready to receive in-situ concrete.



Dry-decking lower roof—Triads carried directly on steel roof trusses.



Triads being laid on dwarf walls (over glass wool) to form upper roof.



Robert H. Matthew, Superintending Architect, L.C.C. Consulting Engineers, Messrs. Scott & Wilson—and Main Contractor, Messrs. Holland Hannen & Cubitts



Triad the Master Piece of all Floors

See our Exhibit at the Building Centre, 9 Conduit Street, W.1.

Triad Floors Ltd., Hanworth Trading Estate, Hampton Rd., Feltham, Middlesex.

Phone: FELtham 3034/5

Emalux

REGD TRADE MARK

GLAZED WALL FINISH

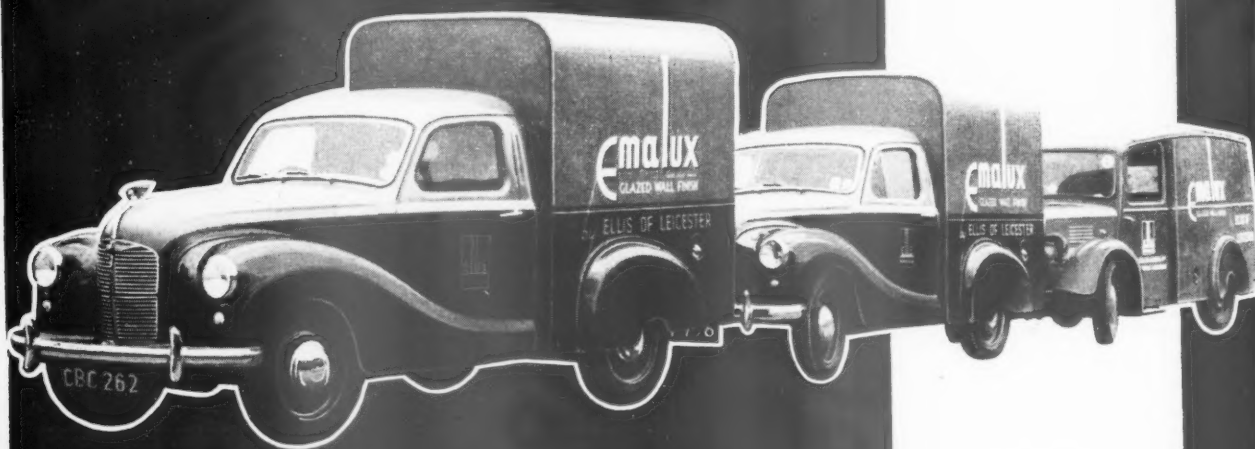
for elegance and endurance

Time and tests are proving EMALUX Glazed Cement Wall Finish to be the finest 'treatment' for all Interior Walls—especially in much-frequented public places (Cloakrooms, Conveniences, Corridors, Shelters, Canteens, etc.) where hygiene and a spotlessly clean appearance are imperative.

EMALUX gives wall elegance and durability without any maintenance, except soap and water. Glass-hard, its surface is impervious to scars, scratches and all the wear and tear of human traffic.

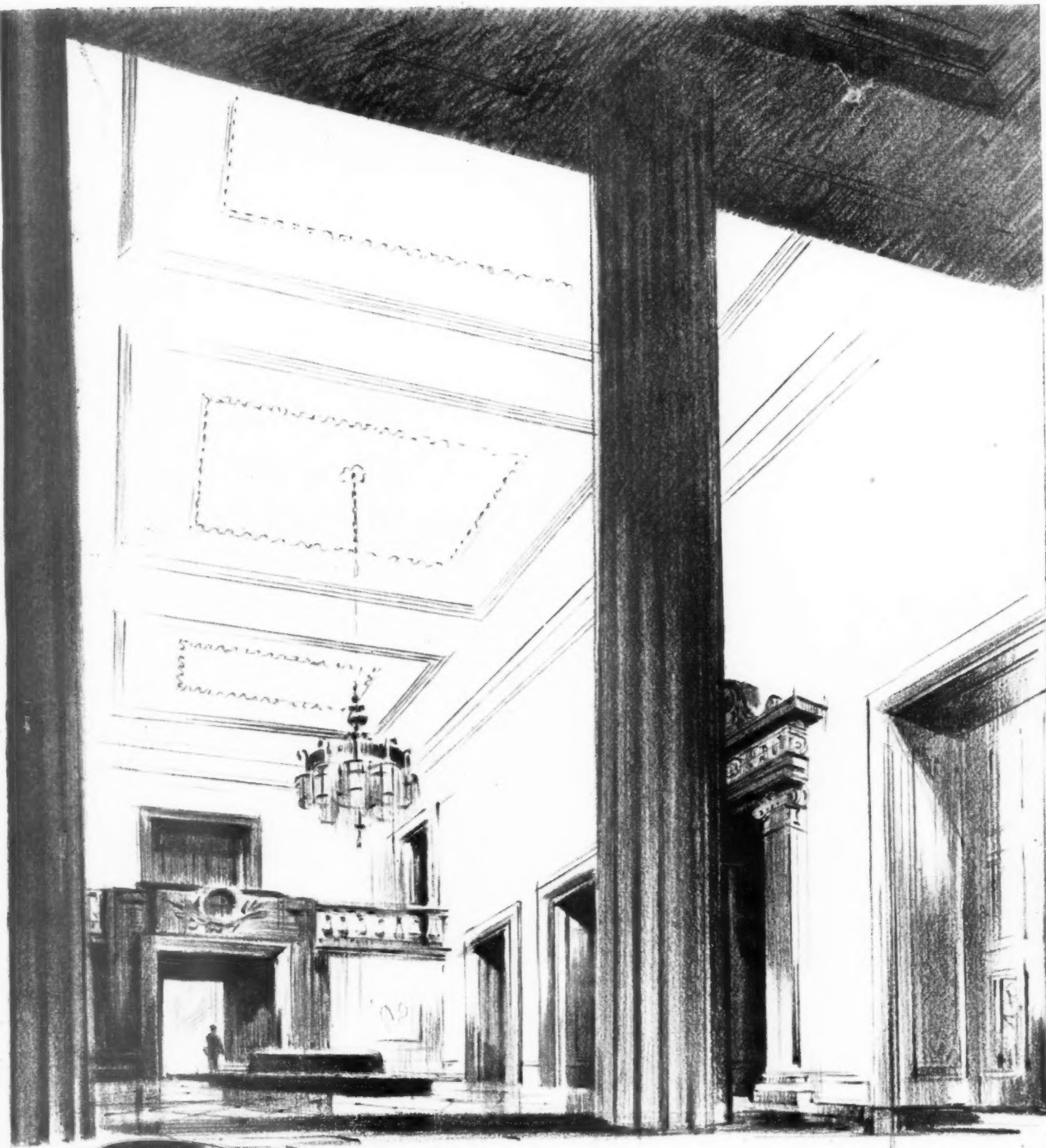
Applied to cement-screeded walls by our own specialist craftsmen. EMALUX welds to the wall and becomes an integral part of it.

- ★ won't scratch
- ★ won't fade
- ★ washes clean with soap and water
- ★ permanent
- ★ available in any colour combination



EMALUX is so increasing in application and demand that our fleet of transport is continually growing—carrying EMALUX in its various colours to all parts of the kingdom. Let us send you full particulars of this unique surfacing.





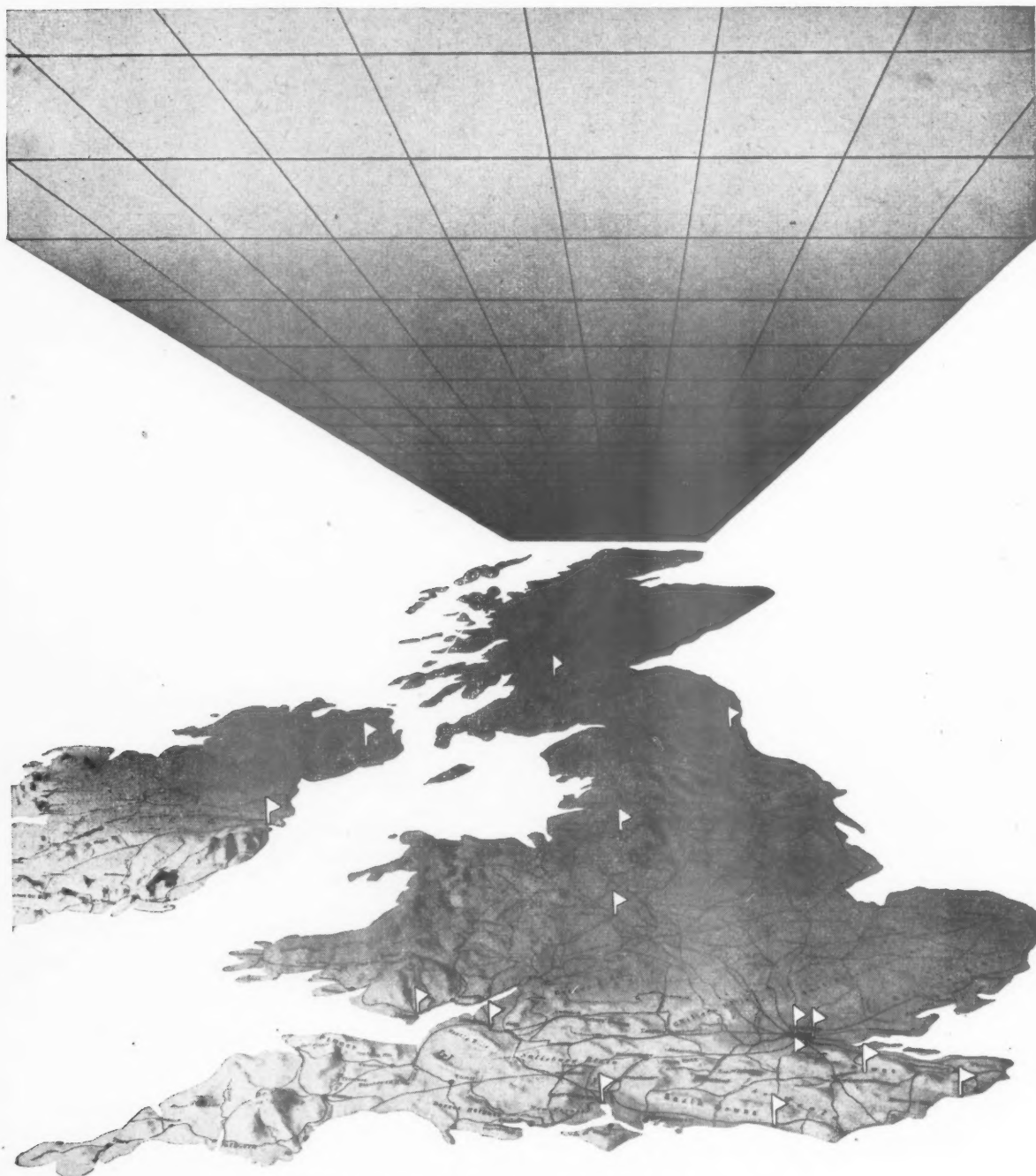
In character, manners, and style, the supreme
excellence is simplicity . . . in interior decoration
this is most readily achieved by the
use of Walpamur Quality Paints.



THE WALPAMUR CO LTD • DARWEN AND LONDON

W107

ABOVE ALL—SPECIFY ^{AN}D CEILINGS



For full particulars, apply to your nearest Contracting Agent:

BELFAST: Smyth Mills Ltd., 80 Duncrue Street.
BIRMINGHAM: Rudders & Paynes Ltd., Aston.
BRIGHTON: Hall & Co. Ltd., Davigdor Road, Hove.
BRISTOL: Hall & Co. Ltd., Halifax House, St. Augustine's Parade, 1.
CARDIFF: John Bland & Co., Ltd., East Moors.

CROYDON: Hall & Co., Ltd., Victoria Wharf.
DUBLIN: P. AND I Ltd., 16 Christchurch Place.
FOLKESTONE: Hall & Co. Ltd., Junction Station.
GLASGOW: W. Gibson & Co. Ltd., St. James Street, Paisley.
MAIDSTONE: Hall & Co. Ltd., Canning Street.

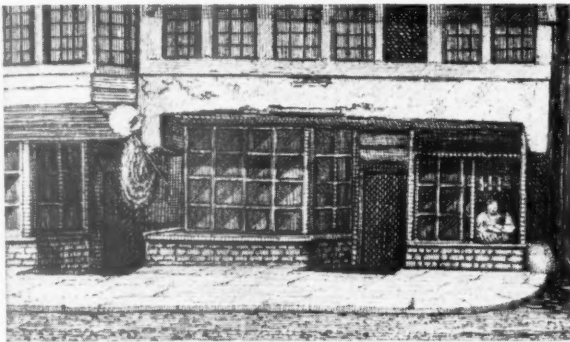
MANCHESTER: Beaumonts (Manchester) Ltd., Victoria Park.
NEWCASTLE-UPON-TYNE: Wm. Gibson & Co. (Builders) Ltd., 19 Baltic Chambers, Quayside.
ROMFORD: Hall & Co. Ltd., Manor Road.
SOUTHAMPTON: Jenkins & Sons Ltd., 76, The Hundred, Romsby, Hants.

ANDERSON CONSTRUCTION CO. LTD.

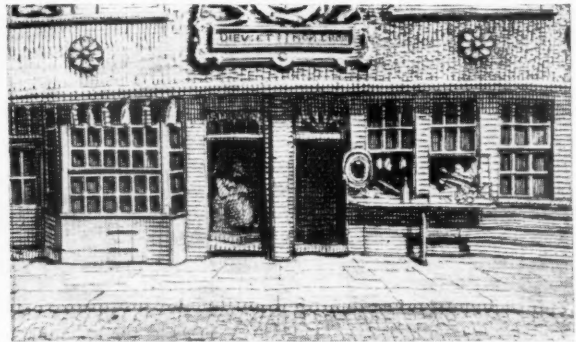
CLIFTON HOUSE, EUSTON ROAD, LONDON, N.W.1.

EUSTON 7465

HIDE AND SEEK SHOPPING OF THE PAST



Houses and shops in King Street, Westminster. Early seventeenth century.



The Queen's Nursery, Golden Lane, Barbican. Late seventeenth century.

From J. T. Smith's *Antiquities of London*.

AND THE OPEN INVITATION OF TO-DAY



Dolcis Shoe Company, Leicester Square, London. Architect: ELLIS E. SOMAKE, F.R.I.B.A. (Staff Architect, Dolcis Shoe Co.) Shopfitters: A. DAVIES & CO. (Shopfitters) Ltd., London, W.3

A door is a window as well, when the potential customers of a shop-keeper can look straight through it into the showrooms or the shop beyond. This is the unchanging invitation given by large doors of sparkling, transparent "ARMOURPLATE" glass that swing back at a touch to admit customers. The door to the shop is no longer the barrier that it used to be in the past.

Open up and brighten showrooms with Pilkington's "ARMOURPLATE" Glass Doors

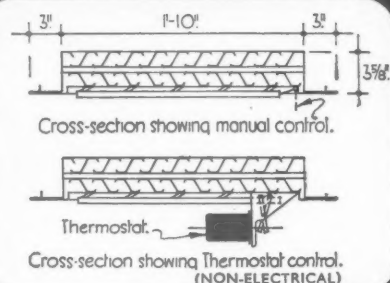
Consult the Technical Sales and Service Department at St. Helens, Lancs., or Selwyn House, Cleveland Row, St. James's, London, S.W.1. Telephones: St. Helens 4001, Whitehall 5672-6. [†]Supplies are available through the usual trade channels.



PILKINGTON BROTHERS LIMITED • ST. HELENS • LANCASHIRE

"ARMOURPLATE" is the registered Trade Mark of Pilkington Brothers, Limited.

Put **COLT** in the picture...



... at the drawing board stage

When you feel that your ideas are restricted by inflexible methods of ventilation — see Colt about it at once. Years of wide practical experience of every type of ventilation based on constant scientific research will enable them to solve your problem. When your designs are at their earliest stage... when you know what you want to do but are not absolutely certain how you will do it... then is the time to see Colt.

Many types of Colt Ventilators are available — in separate units or complete schemes. But much more than that, Colt plan or supply or advise on individual schemes for special purposes. Over 4,000 prominent British firms benefit from Colt Ventilation.

A FREE MANUAL with full specifications of the types of standard Colt Ventilators is available on request from Dept. T168

COLT VENTILATION INDUSTRIAL AND DOMESTIC

Colt Ventilation Ltd., Surbiton, Surrey. **ELMbridge 6511-5**

Also at Birmingham, Bradford, Bristol, Kilmarnock, Manchester, Newcastle, Newport (Mon.) and Sheffield



SEE COLT ABOUT VENTILATION—WHATEVER YOU DO



work is easier
without
'noise-fatigue'

ACOUSTI - CELOTEX

The office in which she works is much the same as hundreds of others—typewriters clicking, phones busy, mechanical equipment operating, the continual tread of feet, all the things in fact, which go to create noise—

but the atmosphere, by comparison, is quiet. The explanation is simple. This office is treated with Acousti-Celotex sound-absorbing tiles. By trapping and removing the raw edge from noise, Acousti-Celotex prevents 'noise-fatigue'—the cause of much poor work, lack of

concentration and nerve strain among employees. The best time to tackle this problem of industrial noise is at the planning stage, in collaboration with an Acoustics specialist. But the benefits of sound conditioning are in no way confined to new buildings; desired results can be achieved in existing structures too.

REGIONAL DISTRIBUTORS

(Wales and all counties south of
Cheshire and Yorkshire)

(County of Yorkshire)

(Scotland and northern English
counties including Cheshire)

Horace W. Cullum & Company Limited
Flower's Mews, London, N.19.

J. H. Bean & Company Limited
31/32 Upper Mill Hill, Leeds, 1.

William Beardmore & Company Limited
Parkhead Steel Works, Glasgow.

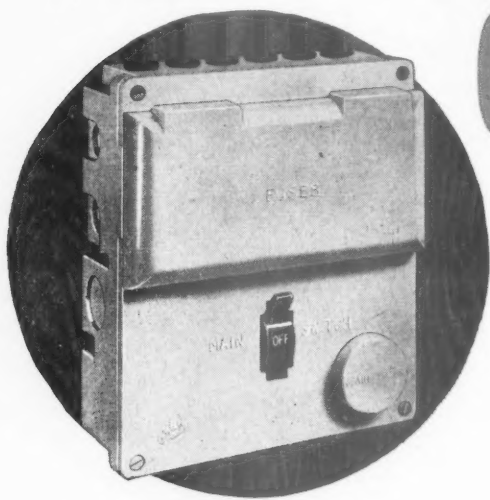
CELOTEX LIMITED, NORTH CIRCULAR ROAD, STONEBRIDGE PARK, LONDON, N.W.10 (ELGAR 5717)



INSULATED SWITCH AND FUSE CHAMBER

(British Patent No. 577848)

**for Consumer's Services
HAS THESE ADVANTAGES**



1 Snap-action fuse cover hinged at top.

2 Up to eight sub-circuits with fully-protected cartridge fuses, coloured to B.S. 1361 : 1947 ; arranged in any combination of 5-amp., 15-amp. and 30-amp. ratings.

3 60-amp. double-pole main switch. Interchangeable chassis mounting allows alternative 2-switch arrangement with 1-60-amp. and 1-30-amp. double-pole switches.

4 Moulded knock-outs for cable entry in four sides and back.

5 Earth terminal.

6 Spare fuse-links.

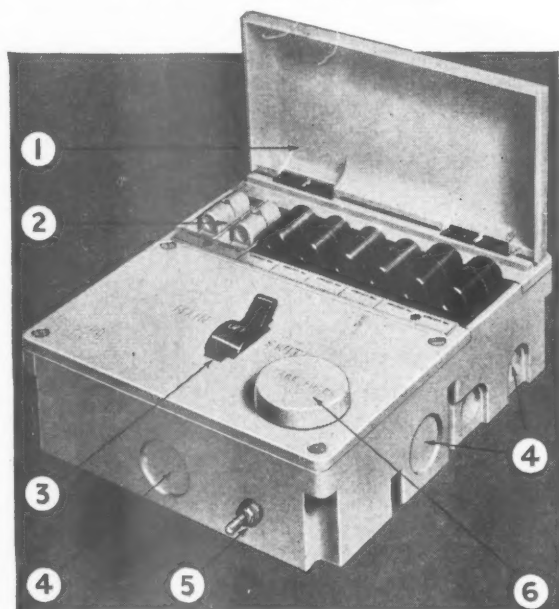
For further information on Insulated Switch and Fuse Chambers write for Publication No. 290S.

EASY TO INSTALL Chassis-mounted components simplify installation. Ample cabling facilities are provided.

EXTRA SAFETY Insulating case encloses all live parts.

SIMPLE IN USE Safe, quick and easy fuse replacement.

Available in Cream, Black or Brown.



BRITISH INSULATED CALLENDER'S CABLES LIMITED
NORFOLK HOUSE, NORFOLK STREET, LONDON, W.C.2



Store of A. de Gruchy and Co. Ltd. Architect: A. Nigel Biggar, A.R.I.B.A.
Contractors: Charles Le Quesne Ltd.

A new store in Jersey with 5,000 square yards of **MARBOLITH Composition Flooring**

MARBOLITH Composition Flooring was chosen for the floors and staircases because it was known to be satisfactory from the point of view of appearance, comfort under foot and ease of cleaning. MARBOLITH is not cold or tiring to the feet and minimizes fatigue for staff and customers alike. It is particularly easy to keep clean as it takes equally kindly to dry or wet sweeping and needs no special treatment to maintain its attractive surface finish. It can be laid direct on to concrete subfloors, no screeding being necessary and there is a wide choice of plain or marbled colours. The Marbolith Flooring Company Limited offers a comprehensive flooring service, and is equipped to supply and fix, either itself or through its associated companies, almost any type of floor finish, including asphaltic tiles, cork, rubber, linoleum, clay tiles, terrazzo, marble, etc. For this reason it is able to advise without bias on all problems involving floor finishes.

The Marbolith Flooring Company Limited

One of the Carter Group of Companies

29 ALBERT EMBANKMENT, LONDON, S.E.11. RELIANCE 2062

Another VOLEX installation . . .



Reproduced by courtesy of Messrs. F. Perkins Ltd., of Peterborough

The VOLEX WARM AIR SYSTEM

is recognised as the most efficient and economical system of Heating and Ventilation for Schools, Clinics, Churches, Shops, Offices, Factories, Workshops and all buildings where a pleasant equable atmosphere—essential to health and efficiency—is required. It maintains an even

temperature and draughtless ventilation all the year round, and the air in the building can be changed as often as desired according to the processes carried on. The heaters are made either for gas-firing, hand-firing, worm feed stokers or oil-firing.

Ventilate as you heat

Sole Makers: T. E. SALTER LIMITED TIPTON STAFFS. Telephone: TIPTON 1657/1658

IT'S FAST

IT'S EFFICIENT

IT'S AUTOMATIC

IT'S THE EASIEST, CLEANEST WAY OF RAISING STEAM

For steam in quantity—any quantity—there is no better way than raising it with the Autolec Electrode Steam Raiser. Completely automatic, clean and silent in operation, it produces steam from cold in a matter of minutes. Special housing and boilers with their resultant dirt are now no longer necessary. A postcard will bring full details.

ELECTRODE STEAM RAISERS



DESIGNED & MANUFACTURED BY G.W.B. ELECTRIC FURNACES LTD., DIBDALE WORKS, DUDLEY, WORCS.
Proprietors: GIBBONS BROS. LTD. AND WILD-BARFIELD ELECTRIC FURNACES LTD.



"TRITON" Quarry Flooring in the Lavatories of the

Croydon Food Production Centre, London Transport Executive

carried out in 6" Red Quarries with coved skirtings.

Architect: John Brewster, A.R.I.B.A. London.

Flooring Contractors: A. J. Tatham Ltd. Paddington.

Specimens of Wheatly Tiling may be seen at the Building Centre, London. Wheatly products include Single-lap Roofing Tiles, Ridge Tiles (blue and red), Floor Quarries and Briquette Fireplaces.

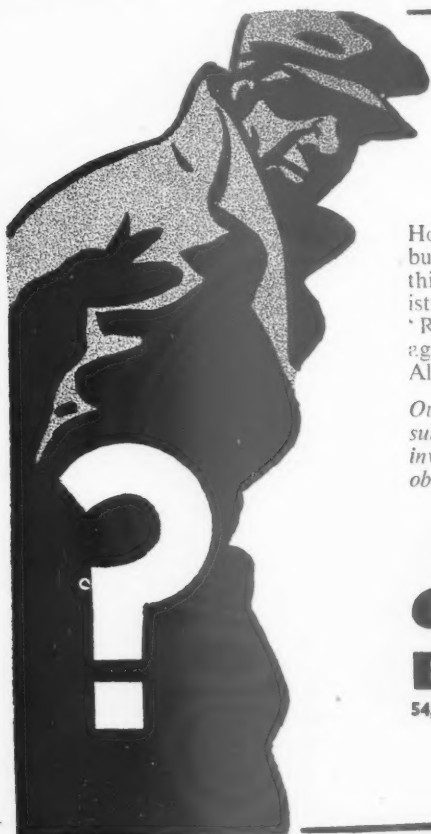
WHEATLY & COMPANY LIMITED

SPRINGFIELD TILERIES • TRENT VALE • STOKE-ON-TRENT

Telephone: NEWCASTLE (Staffs) 66251

Telegrams: WHEATLY, TRENTVALE

WH42



ARE YOUR CLIENTS' STOCKS ADEQUATELY PROTECTED AGAINST BURGLARY?

Houses, factories, shops and offices, however well designed and built are **INCOMPLETE** without protection against the modern thief. 'Rely-a-Bell' are Britain's leading Burglar Alarm Specialists and their range of tried and tested devices includes: the new 'Rely-999'; Central Station Alarm; 'Rely-Ex' Security System against smash-and-grab; Open and Closed circuit alarms; Bandit Alarms and Grilles for shops, bars, nurseries and homes.

Our technical advisers are ready to co-operate with you in designing suitable installations for every type of job—big or small. You are invited to write Dept. A.J. for full details free of cost and without obligation.

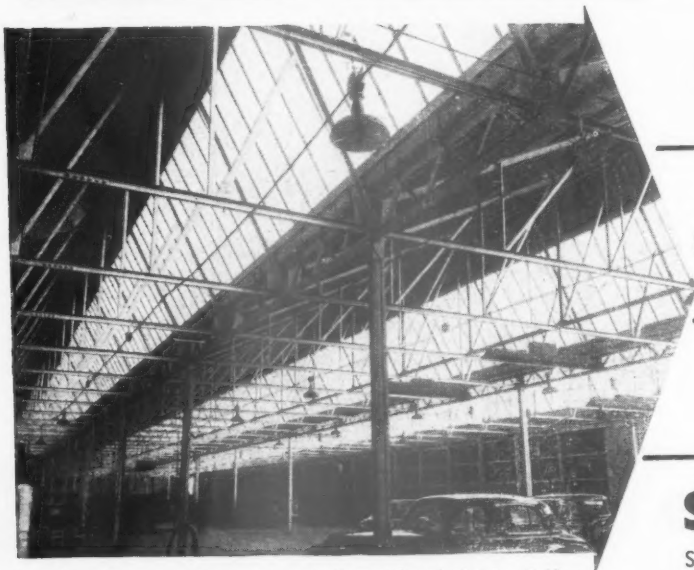
Rely-a-Bell

BURGLAR & FIRE ALARM CO. LTD.

54, WILSON STREET, (FINSBURY SQUARE,) LONDON, E.C.2.

Telephone: BISHopsgate 1955 (4 lines)

T68A



New Assembly Plant Buckley Motors Ltd. (Rootes Group) Vehicles Dublin

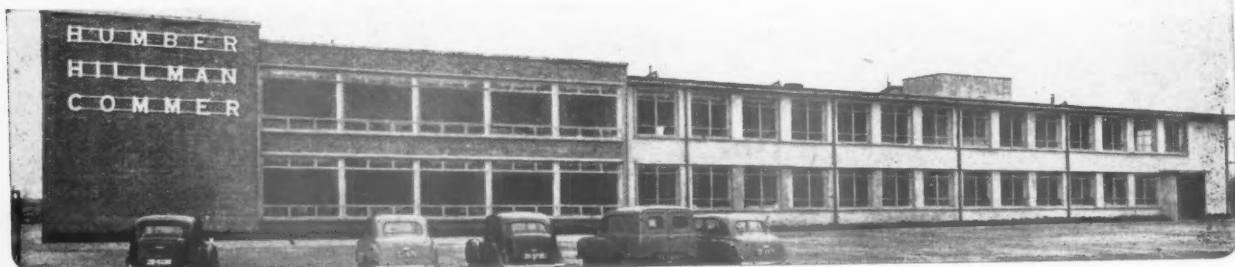
Building in Ireland

structural steelwork

steel windows

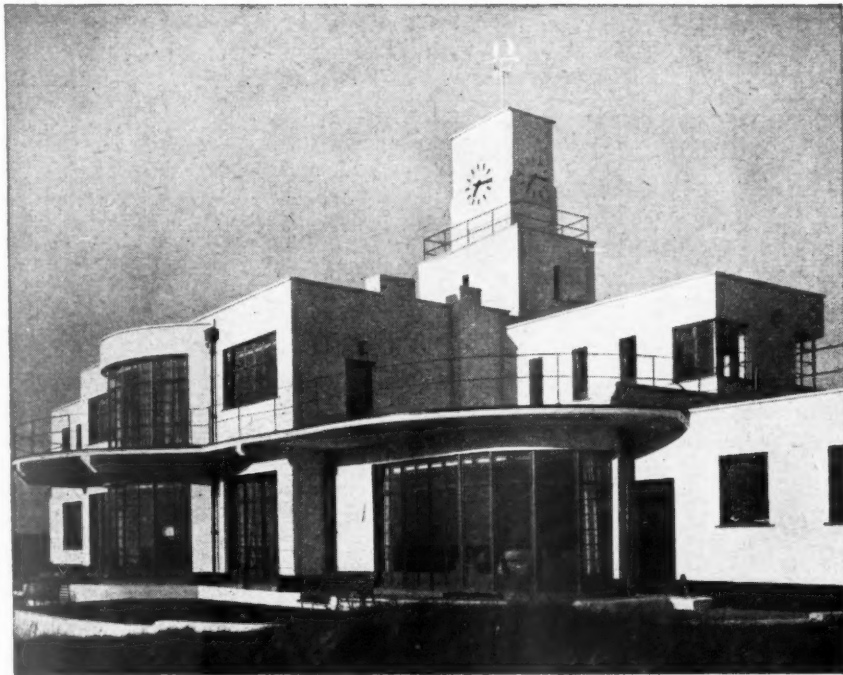
Smith & Pearson

Smith & Pearson Ltd., Newcomen Works, Dublin



THE SNOWCEM CASE BOOK

BIRKDALE GOLF CLUBHOUSE



The modern Clubhouse at Birkdale was decorated with cream SNOWCEM in readiness for the 1951 Walker Cup Competition. SNOWCEM was chosen, not only for its decorative qualities—which will be readily seen in the above photograph—but because of its tough weatherproof skin, to give the building added protection from the elements.

Application by brush to cement rendering.

Contractors: Northern Construction Co., Birkdale.

Snowcem is easily applied to concrete, stone or suitable brickwork by brush or spray. Available in seven colours: White, Cream, Deep Cream, Buff, Pink, Silver Grey and Duck-Egg Green. *Our Technical and Advisory Department is at your service.*

SNOWCEM WATERPROOF CEMENT PAINT

Decorates and Protects at low cost

THE CEMENT MARKETING COMPANY LIMITED,
Portland House, Tothill Street, London, S.W.1.
or G. & T. EARLE LTD., Cement Manufacturers, Hull.
THE SOUTH WALES PORTLAND CEMENT & LIME CO. LTD., Penarth, Glam.



Lead & Gloss combined
for
DECORATION, DURABILITY
and greater covering capacity
with

SULAC



THE LEAD BASE, HIGH GLOSS ENAMEL PAINT

SULAC is the perfect combination of LEAD and GLOSS which produces a brilliant, hard finish of excellent covering power. It is for use Inside or Outside on all surfaces of Wood, Metal, Plaster and Stone.

SULAC is economical to use because of its fine obliterating qualities, yet it dries with a high gloss finish without brush marks. Manufactured in white and 24 attractive FAST colours.

WRITE FOR COLOUR CARD & FULL DETAILS TO:—

Sole Manufacturers

STORRY SMITHSON & CO LTD

Paint, Enamel & Varnish Specialists since 1831

BANKSIDE WORKS, HULL

Telephone: 34734 (2 lines)

Telegrams: 'Economic' Hull

and at

London, Liverpool, Glasgow, Newcastle, Cardiff and New York

Tucker

SHOCKPROOF

MOULDED LAMPHOLDERS



The attractive range of Tucker shockproof lampholders gives a wide selection for flexible cable, batten and Home Office requirements. The famous TITAN A754 pattern has established a well merited popularity by its sound design and sturdy construction with solid one-piece plungers providing straight-through uninterrupted contact between cable and lamp cap.

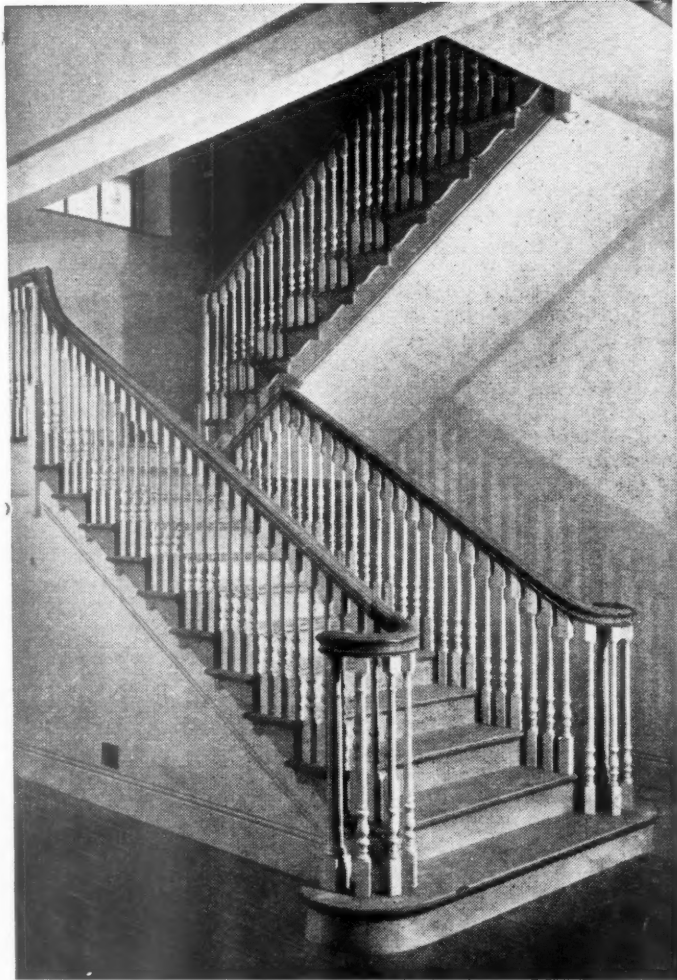
*for
every
installation
need*

The switched lampholders for cord grip and screwed applications embody non-detachable push bars and a switch action of exceptionally robust construction.



J. H. TUCKER & CO. LTD.
Kings Road, Tyseley, Birmingham, 11

Makers of First Grade Electrical Accessories since 1892
London Office: 2 Newman Street, W.1



Left: Recent reproduction of an elaborate Georgian Stair in a West End house. Below: Bottom of a stair in a small country house, showing unusual type of curtail step.

Sadds, with their tradition of craftsmanship, can do justice to designs like these. At the same time, their works are equipped for economical production of long runs of staircases for housing schemes.

SADDS of MALDON for STAIRCASES

and for

FLUSH and PANELLED DOORS

WINDOWS, MOULDINGS

KITCHEN UNITS & DRESSERS

SCHOOL AND LIBRARY FITTINGS

STANDARD AND SPECIAL

JOINERY OF ALL KINDS



JOHN SADD & SONS LTD
STATION ROAD, WHARF 1, MALDON, ESSEX.

Telephone: Maldon 131

London Office:
Aldwych House, W.C.2.

Chancery 7214



KICKING UP A DUST?

THAT GREY DUST billowing up from concrete is the broken top surface, pulverising under constant heavy traffic. The Ferndale Book Company cannot tolerate dust in printing operations, and their works floor has been dustproofed with a simple treatment of Tretol Fluat Cement Hardener. No danger of soiled paper or damaged machinery here - Tretol Fluat has chemically transformed the surface of the concrete topping into a rock-hard substance, permanently proofed against wear and "dusting."

Please write for detailed leaflet on dust prevention.



For Permanent Dustproofing of New and Old Floors

TRETOL FLUAT CEMENT SURFACE HARDENER

TRETOL LTD., 12-14 NORTH END ROAD, LONDON, N.W.11

Tel: SPBedwell 4621 (5 lines)

Works: SLOUGH, BUCKS.

Are you planning a Block of Flats?

why not let the specialists design your flues free of all cost to yourselves

Schemes submitted and working drawings provided for every job

BOROUGH COUNCIL HOUSING SCHEME
6 STOREY BLOCK E

TRUE FLUE LTD.
CONVECTOR HOUSE
ACACIA ROAD
ST. JOHN'S WOOD · N.W.8
TELEPHONE: PRIMROSE 7161-2

PLIMBERITE

Available in two thicknesses —

$\frac{3}{4}$ " $\frac{1}{2}$ "

4'

8'

for PARTITIONING
PANELLING
WALL CLADDING
ROOF LINING AND DECKING
FLUSH DOOR CONSTRUCTION
FITTED CUPBOARDS
SHELVES
VENEER CORE
SUSPENDED FLOORING ★

Plimberite is a high density resin bonded chipboard possessing the general characteristics of natural timber and has considerable qualities of structural strength. It has a hard, smooth, unpitted surface on both sides and can be worked or machined using standard woodworking tools and techniques. Plimberite is flameproof, has excellent sound and thermal insulating qualities and provides a suitable base for the application of many surface finishes.

★ Vertical, static and impact load tests carried out by the British Research Station have proved the strength of Plimberite when used as suspended flooring. A copy of the full report on these tests is available to Qualified Architects and Builders on request to British Plimber Limited.

PLIMBERITE

Illustrated literature, technical data and the name of your nearest supplier available from:—

BRITISH PLIMBER LIMITED
20 Albert Embankment, London, S.E.11. RELiance 4242

FLUCTUATION *Costs Money*



Avoid fuel wastage
and wavering flue
draught!

Now draught can be con-
trolled by the scientifi-
cally-designed AERCON
Draught Balance.

Distinctive Features

1. No loose weights; adjustment by eccentric balance weight.
 2. Main and secondary blades give 'vernier' control and prevent eddying in flue.
 3. Housing forms duct, protecting blade from distortion, and making facing of brickwork opening unnecessary.
 4. Blade mounted in ball races — lifts out for access to flue.
 5. Mild steel construction throughout.
- Lowest in Cost.



PATENTEES JOHN HOARE LTD.

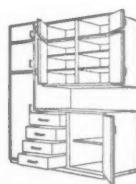
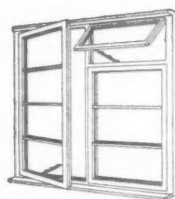
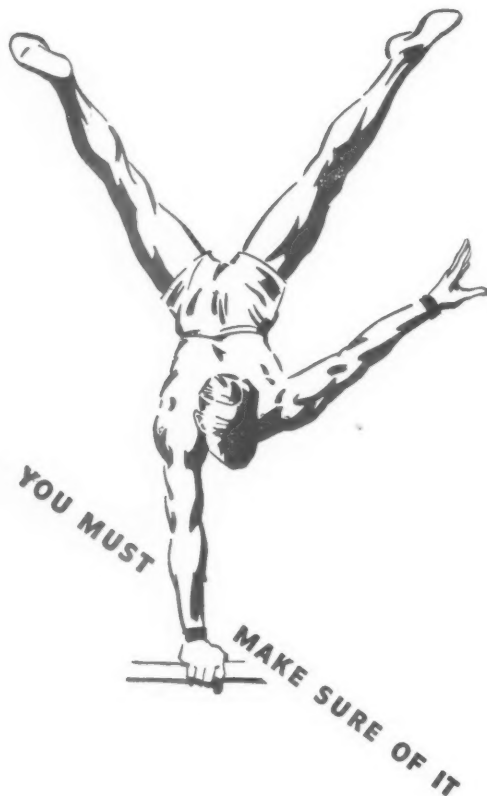
All Enquiries to the Sole Concessionaires for
Sale and Distribution in the British Isles.

POWER UTILITIES LTD.

LOMBARD HOUSE, GT. CHARLES ST., BIRMINGHAM 3

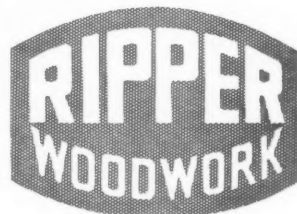
Tel: CENTRAL 3446/7,8

Grams: POWUTIL, BIRMINGHAM



These illustrations
show typical Ripper
productions built to
B.S.I. specifications
and Architects
requirements.

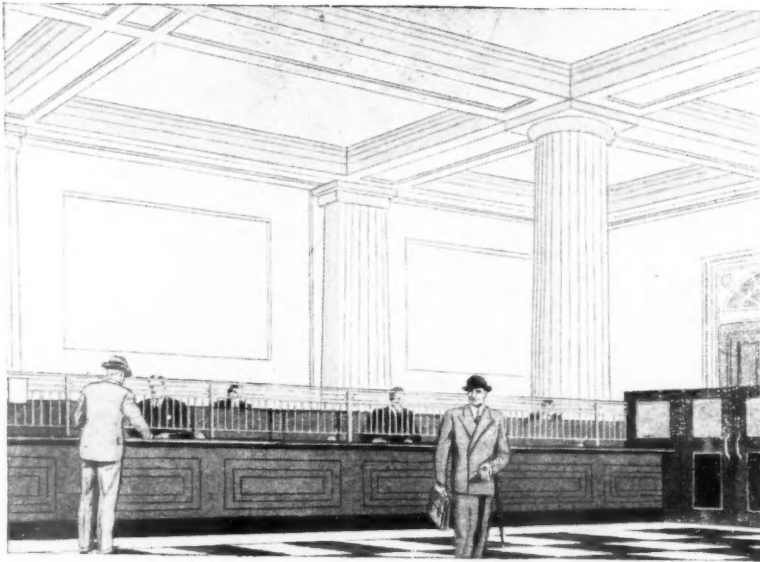
THE architect or builder who in the long run wants to be known for "a good job well done"—and who does not?—must make sure of the quality of the woodwork he requires. In these days, when licence restrictions complicate replacements, he pins his faith to Rippers' established reputation—to his own and his clients' satisfaction. Ripper quality and craftsmanship will be more profitable in the long run because it more than justifies the choice of those who depend upon it.



RIPPERS LIMITED, Castle Hedingham, Essex
Telephone Hedingham 191 (4 lines)

London—9 Southampton Place (Suite 16), W.C.1. Telephone CHAncery 8306/7

A TRADE MARK AS GOOD AS A BOND



The Banking Hall

FAROMAT *completes the picture*



FAROMAT is the smoothest, most distinctive wall decoration for the essential dignity of Bank premises. The lovely matt surface, in quiet unobtrusive colours, creates an atmosphere of spaciousness and light, congenial to work in and an excellent background for the conduct of efficient business.

FAROMAT is the interior decorator's ideal finish. There is nothing fugitive about FAROMAT charm. All the listed shades are fast to light, and washable. It dries with an exquisite velvety surface.

FAROMAT has immense hiding and covering capacity. It is easy in application, remaining "open" sufficiently long enough to enable the painter to brush a large area without help.

FAROMAT has an "After-Flow" unprecedented with this type of paint.

FAROMAT is particularly suitable for use in such places as MUNICIPAL BUILDINGS, HOSPITALS, SCHOOLS, CHURCHES, HOTELS and CLUBS, as well as PRIVATE HOUSES

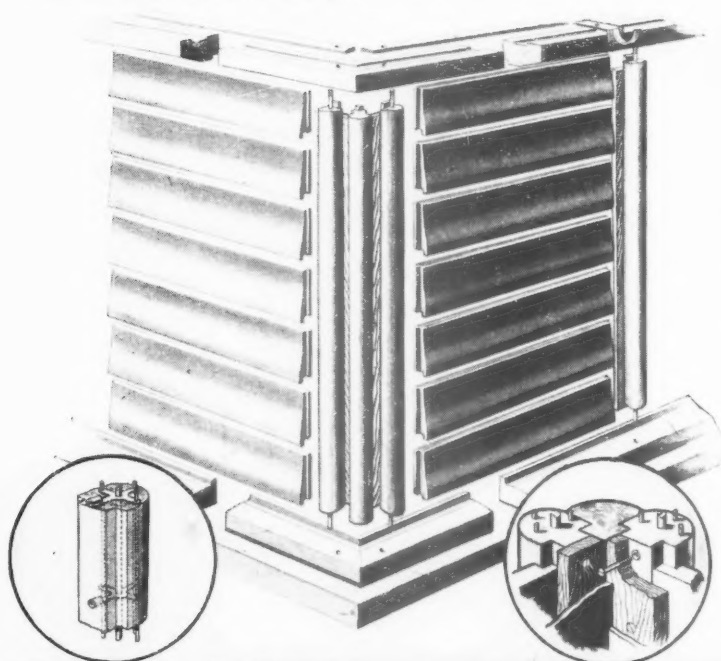
FAROMAT

A really superb

FLAT WALL PAINT

T. & W. FARMILOE LIMITED, ROCHESTER ROW, WESTMINSTER, LONDON, S.W.1 Phone : VICtoria 4480

THE 'STAFFORD' BUILDING UNIT



Sports Pavilion
J. A. Chatwin & Son,
Architects, Birmingham.



Sanitary Inspectors Office,
Hinkley.



Block of Garages.



Messroom and Stores
C.B. Eck, A.M.I.C.E., M.I.Mun.E.,
Borough Surveyor, Oldbury.

The 'Stafford' Building Unit which is assembled from 5 pieces, is becoming increasingly popular among leading authorities.

The Unit is the result of many years research in the design of pre-cast concrete buildings.

The initial cost is low and erection costs are reduced by the use of unskilled labour thus making an economic first class permanent building.

Please write for full particulars

Patent Application No: 19425/49

DIMENSIONS.

Maximum Width 28 ft. Length X. In 4 ft. increments.
Maximum Height 10 ft. to eaves.

STAFFORD CONCRETE BUILDINGS LTD.
RICKERS COTE ROAD
STAFFORD PHONE: STAFFORD 1195

EASTERN COUNTIES
LEICESTER
DERBY
NOTTINGHAM
LONDON
NORTHAMPTON
BEDFORD

ENQUIRIES FOR EASTERN COUNTIES TO
JOHN ELLIS & SONS LTD.
21, NEW WALK, LEICESTER
PHONE: LEICESTER 5682 (7 LINES)

a job like this requires
ARBOMAST N.S.

ARBOMAST N.S. Non-hardening Compound is an integral component in the construction of Glass Wall Masonry. All clearance joints at the top and sides of panels should be kept free of mortar spillings and packed with ARBOMAST N.S. Non-hardening Compound to provide a 'cushion', thus taking up any stress due to expansion.

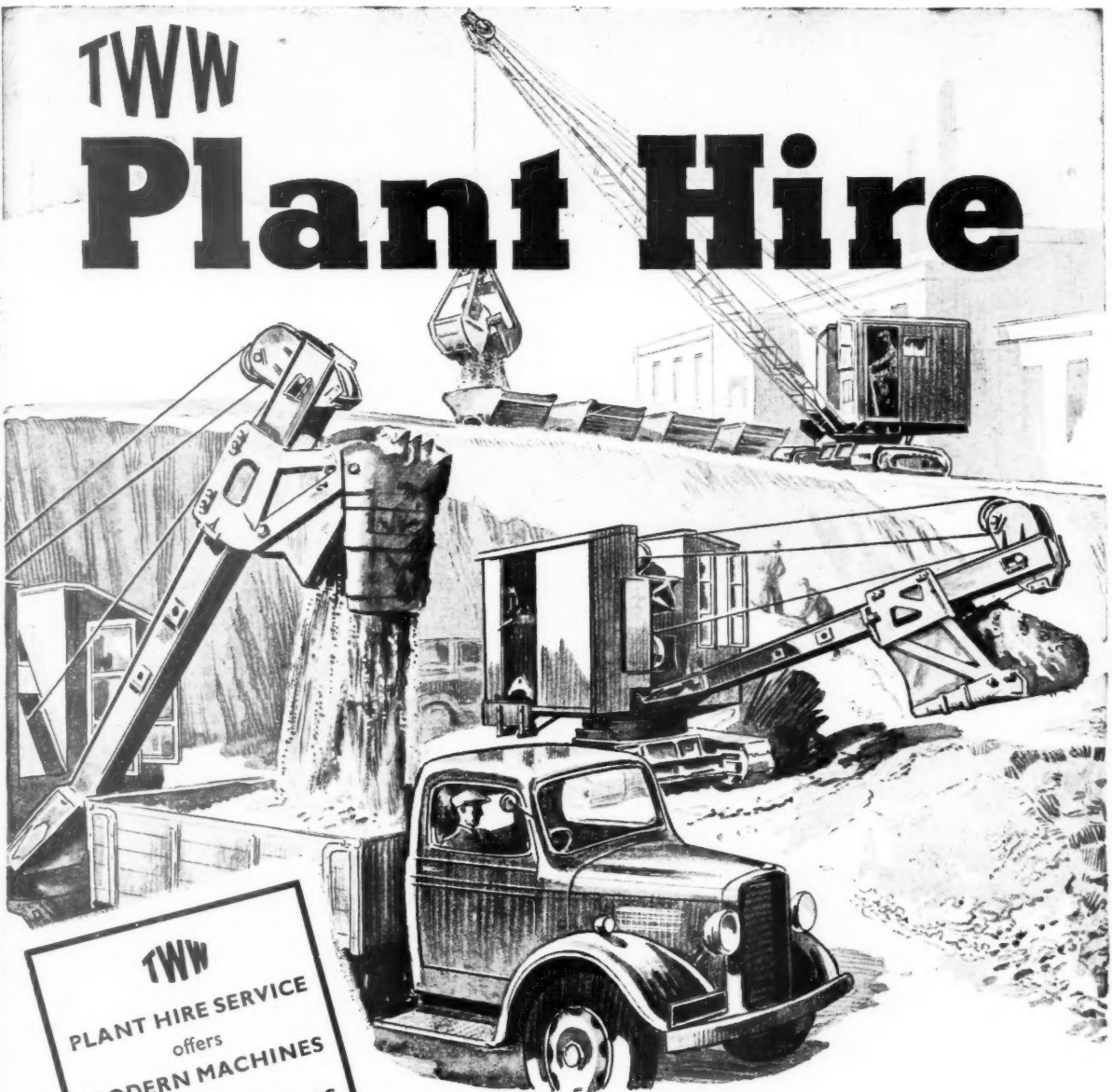
it's specially prepared &
NON-HARDENING

ADSHEAD RATCLIFFE
& Company Ltd.,
BELPER • DERBY

Tel: Belper 351/2.

TWW

Plant Hire



TWW
PLANT HIRE SERVICE
 offers
MODERN MACHINES
 •
SKILLED OPERATORS
 •
LONG TERM OR SHORT CONTRACTS

WARD'S HIRE FLEET comprises Cranes, Excavators, Dumpers, Locomotives, Mixers, Bulldozers, Scrapers, Compressors, Crushers, Pumps, Rollers, Loaders and Plant or Tackle of every description.

The Plant Hire Specialists

THOS W. WARD LTD

(CONTRACTORS PLANT)

HIRE FLEET DEPOTS AT THESE CENTRES

GLASGOW
 Fore Street
 Scotstoun

SHEFFIELD
 Albion Works
 Savile Street
 Temp'eborough Works
 Tinsley

LONDON
 Thames Road
 Silvertown
 Titan Works
 Grays

S. WALE
 Giant's Wharf
 Briton Ferry

SAND-FACED FACING BRICKS



BERKHAMSTED BRICK CO. LTD.

Head Office and Sales Dept. : 85 Gloucester Road, London, S.W.7

Telephone : FRObisher 8161 (10 lines)

Works : Shootersway, Berkhamsted, Herts

now ready

NEW WAYS OF BUILDING

revised and enlarged edition, edited by • ERIC DE MARE, A.R.I.B.A.

*Bound in full cloth boards
Size 9½ by 7½ ins., 256 pages, over
200 photographs, plans and drawings
30s. net. • postage 8d.*

contributors {
Dr. K. Hajnal-Kónyi • concrete
O. Bondy • steel
Phillip O. Reece • timber
K. Cheesman • glass
W. B. McKay • brickwork
Philip Scholberg • light metals and plastics
C. C. Handisyde • insulation

THIS IS A NEW KIND of book on building construction. Its purpose is to fill a gap by acting as an appendix, or post-graduate course, to the standard publications used by architectural and building students. As such it is designed to be of value to the practising architect and to all others interested in contemporary building, as well as to the student. The book is of a new kind in two other ways; first, in being written, not by one author, but by a group of men, each a specialist in his own subject, on whose knowledge the general practitioner can rely; second, in attempting to be something more than the usual dull textbook by illustrating examples of buildings at home and abroad selected not merely to inform on technique but to stimulate the designer's visual imagination.

THE ARCHITECTURAL PRESS • 9-13 Queen Anne's Gate • S W 1



one

tax

removed

The tax on eye-sight, caused by confusing reflections in shop windows has, thanks to research, been successfully abolished.

Yes, this baffling problem has been solved once and for all by the introduction of Pollards Invisible Glass.

All reflections and distractions are eliminated making 'window-shopping' a pleasure instead of an ordeal.

A technical representative will call and advise you on window reflection problems. Write to E. Pollard & Company Ltd. (Invisible Glass Division), 159 St. John Street, London, E.C.1. Telephone: Clerkenwell 6701. Makers and sole concessionaires for Invisible Glass. Patent Nos. 395392 411046 and 430194. Also patented in the principal countries of the world.

POLLARDS INVISIBLE GLASS

Introducing Thermacoust

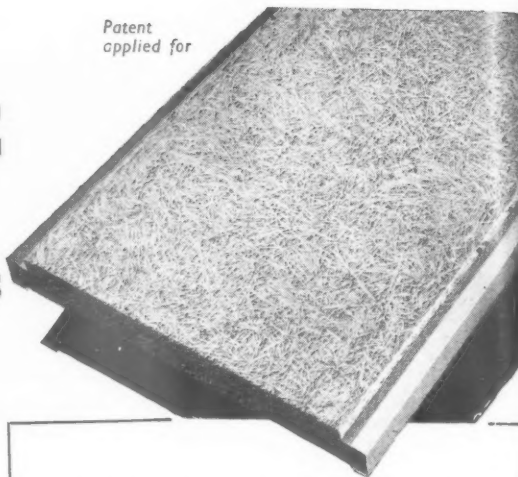
REBATED Channel Reinforced WOOD WOOL ROOFING SLABS

THERMACOUST 3 in. Rebated Roofing Slabs provide higher overall insulation. They are particularly valuable in buildings where the atmosphere may be exceptionally warm or humid. They are rebated to take 1 in. insulating cork strips; in severe weather these prevent condensation on the lower flanges of the steel reinforcing channels.

THERMACOUST 3 in. Rebated Roofing Slabs have the same advantages for rapid labour-saving construction as the well-known Thermacoust 2 in. Roofing Slabs. They are large in unit size, easily handled, can be worked with ordinary wood-working tools. For the majority of applications, we recommend Thermacoust 2 in. Roofing Slabs; for the more complicated insulation scheme, architects are now using the 3 in. Rebated Slabs, for Schools, Factories and Municipal building. Standard slabs, both types, 6 ft. long; 6 ft. 8 in. and 7 ft. slabs made to order.

- ★ For PITCHED or FLAT Roofs
- ★ NO purlins needed at less than 7 ft. centres
- ★ NO other insulating material has greater structural strength

Patent
applied for



THERMACOUST ADVISORY SERVICE

We maintain a highly-qualified technical staff to advise on the use of "Thermacoust" to the best advantage. It must be emphasised that it is NOT a matter of merely ordering an available building material. There are considerations of thermal insulation, acoustic properties, etc., and, more important, the constructional methods to ensure that the considerable savings on building costs that "Thermacoust" makes possible are in fact made. All this is best settled at the design stage. It is then that the help of our technical department and drawing office, freely available, can be most wisely employed.

Enquiries are invited and will incur no obligation.

THERMACOUST LTD., 39 VICTORIA STREET, LONDON, S.W.1. (ABBey 2738)

The LIQUID STONE PAINT

Charterstone

The perfect coating for exterior and interior concrete, brick and stone surfaces. Water and weather resisting. Rock hard—decorative—easy to apply—it can be stippled in a variety of effects.

Shade cards and descriptive literature of this and other products from the sole manufacturers.

CHARLES TURNER & SON, LTD.
Makers of Quality Paints since 1821.
BLOOMSBURY HOUSE, 165, HIGH HOLBORN, LONDON, W.C.1



The standing of any product in its class depends on many things, but on *none* so important as those instantly reflected in the article itself . . . appearance, workmanship and efficiency. These qualities are immediately evident in all Britmac components and establish *their position at the head of their class.*

the points in favour . . .



ILLUSTRATIONS: 5 amp., Ironclad switch units, Industrial type. Finished black enamelled with nickel plated dollies, bridges and lid fixing screws. Catalogue Numbers P.1540 (Flat lid) and P.1552 (fully protected lid). Available in 5 amp. up to 25 way; 15 amp. up to 12 way; with shallow or deep type boxes.

. . . at every point — "BRITMAC"

BRITMAC ELECTRICAL CO. LTD

SALES ORGANISATION OF C. H. PARSONS LTD

HEAD OFFICE • BRITANNIA WORKS • WHARF DALE ROAD • TYSELEY • BIRMINGHAM • II

Telephone: ACOCKS GREEN 1191 (3 lines) • Telegrams: "BRITMAC, BIRMINGHAM"

London Office:
121, VICTORIA ST., S.W.1
Telephone: VICTORIA 9778/9

Glasgow Office:
247a, ST. VINCENT ST., &
93, DOUGLAS ST., C.2
Telegrams: CENTRAL 3445/6

SM/BE. 313a



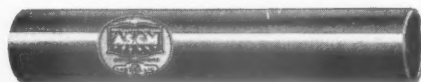
*"It's no trouble
at all!"*



Screwed and Socketed Gas Thread



Screwed and Socketed Conduit Thread



Light Gauge Tube

How often one hears that
remark but how *true* it
is when you are working
with Metallic Conduit
Tube and Fittings.

For quality and consistent
accuracy :—

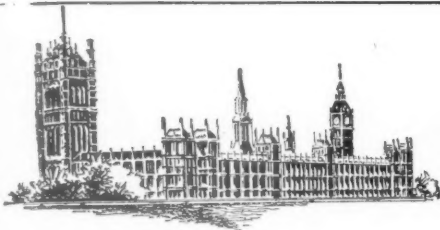
SPECIFY

METALLIC

CONDUIT TUBE and FITTINGS



The Metallic Seamless Tube Co., Ltd., Ludgate Hill, Birmingham 3 Tel. Cen. 7167
Also at London, Newcastle-on-Tyne, Leeds, Swansea and Glasgow



HOUSE OF COMMONS REBUILDING

for the Ministry of Works:

ARCHITECT:

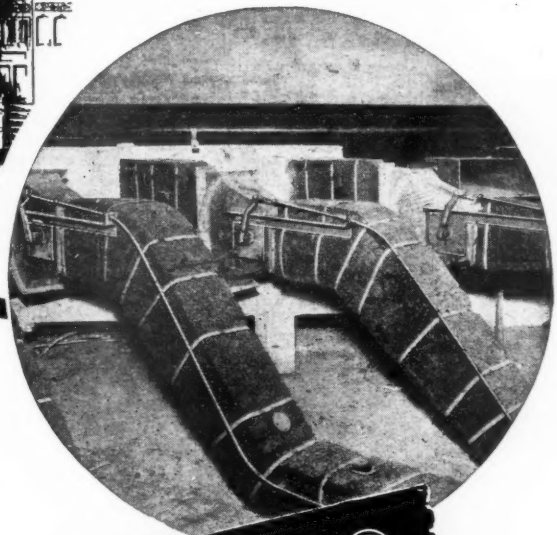
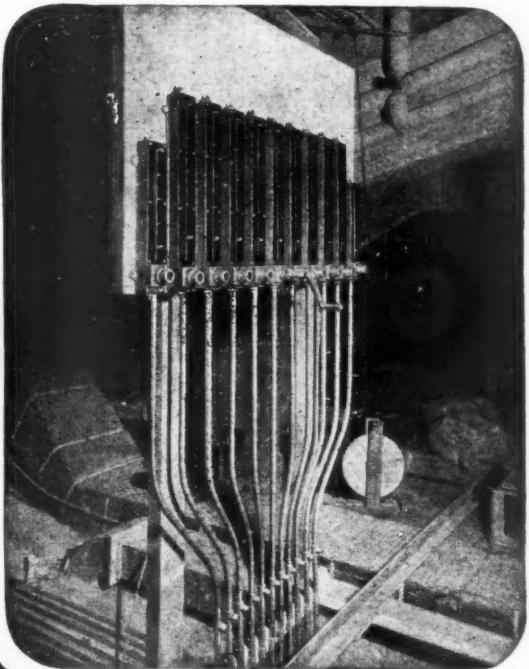
Sir Giles Gilbert Scott,
O.M., R.A.

CONTRACTORS:

John Mowlem & Sons Ltd.

CONSULTING ENGINEER:

Oscar Faber,
O.B.E., M.Inst., C.E.



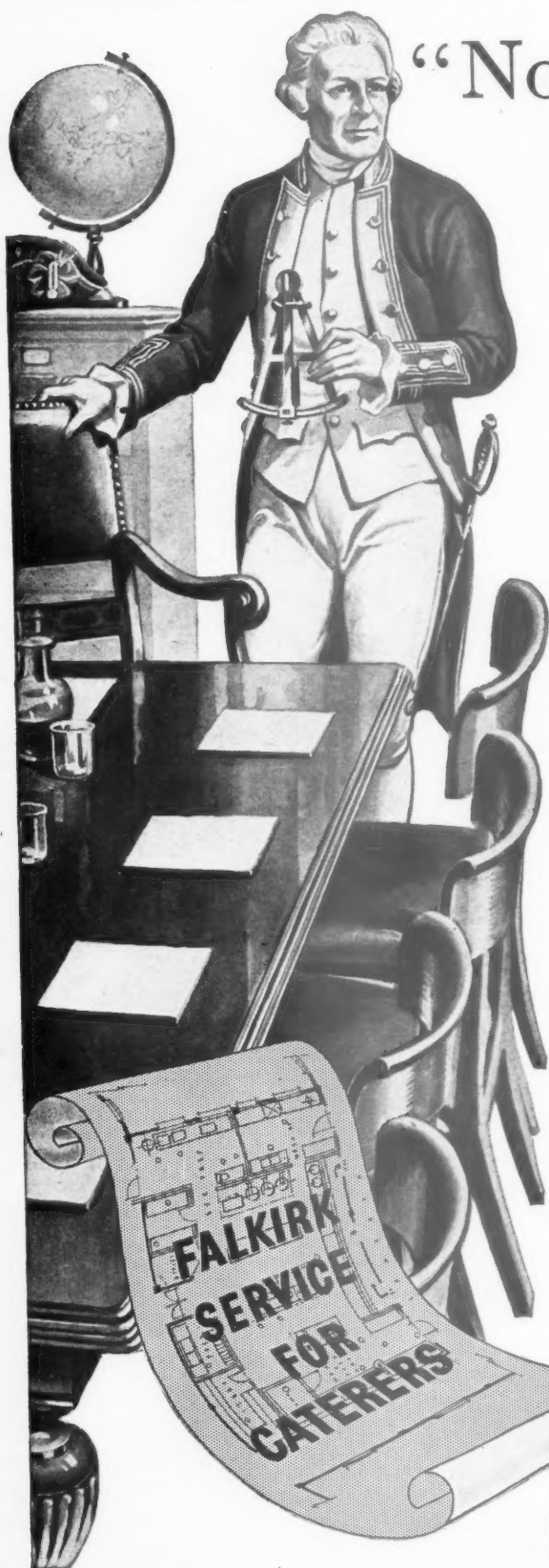
**AN INSTALLATION OF ARENS GEAR
FOR THE REMOTE CONTROL OF
AIR-CONDITIONING BLENDERS**

ARENS
REGD. TRADE MARK

ARENS CONTROLS LTD., TUNSTALL ROAD, EAST CROYDON, SURREY.
Telephone: Addiscombe 3051/4 Telegrams: Unicontrol, Souphone, London

REMOTE CONTROLS

Covered by Patents



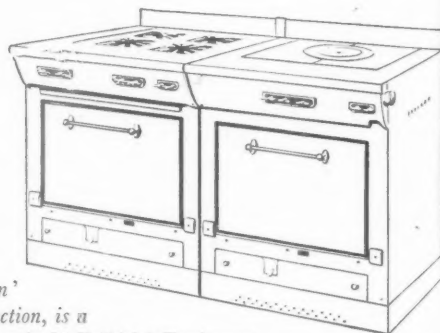
"Now if I were your Senior Partner..."

I'D PUT IN 'FALKIRK' HEAVY DUTY COOKING EQUIPMENT"

CAPTAIN COOK, the Circumnavigator, had never heard of Vitamin C, but his "portable broth", made from scurvy grass, carrot marmalade, sauerkraut, syrup of lemon and other vegetables, enabled him to sail 60,000 miles in three years, losing only one man out of 118 from the previously lethal scurvy. Less taciturn than most mariners, Cook read a paper on the subject before the Royal Society, which awarded him the Copley Medal. Diet is just as important when it applies to 'personnel' as when it applied to 'all hands'. The 'Falkirk' Company makes cooking equipment for the proper feeding of workers, designed to use every known type of fuel — gas, steam, electricity, solid fuel and oil. 'Falkirk' equipment is of outstanding strength and durability — proved over long years of service under exacting conditions.

'FALKIRK' SERVICE FOR CATERERS

Every catering problem is different. Heavy industry and factory canteens, hotels, hospitals, restaurants, clubs and cafés have each their separate problems in the layout and use of their kitchens. An important part of the 'Falkirk' service is to supply, when asked, individual plans prepared by experts of wide and varied experience. 'Falkirk' representatives are stationed throughout Britain to make suggestions, supervise installations, and to inspect, advise and carry out maintenance if necessary, when the kitchens are in actual operation.



This Double Oven 'Falcon' Gas Range, of unit construction, is a good example of sturdy, practical 'Falkirk' Equipment.

THE FALKIRK IRON CO. LTD., FALKIRK, SCOTLAND

Mortimer House, 37/41 Mortimer Street, London, W.1. 40 Hanover Street, Leeds 3 18 Leigh Street, Liverpool

(Proprietors: Allied Ironfounders Limited)



THE ARCHITECTS' JOURNAL

No. 2948 30 AUGUST 1951 VOL 114

EDITORIAL BOARD: (1) *Consulting Editor*, F. R. Yerbury, Hon. A.R.I.B.A. (2) *Guest Editor*, Frank Russon, F.I.O.B. (3) *Town Planning Editor*, Dr. Thomas Sharp, L.R.I.B.A., P.P.T.P.I. (4) *House Editor*, J. M. Richards, A.R.I.B.A. (5) *Technical Editor*, R. Fitzmaurice, B.Sc., M.I.C.E., Hon. A.R.I.B.A. (6) *Editor Information Sheets*, Cotterell Butler, A.R.I.B.A. (7) *Editorial Director*, H. de C. Hastings.

SPECIALIST EDITORS*: (8) Planning (9) Practice (10) Surveying and Specification (11) Materials (12) General Construction (13) Structural Engineering (14) Sound Insulation and Acoustics. (15) Heating and Ventilation (16) Lighting (17) Sanitation (18) Legal.

ASSISTANT EDITORS: (19) *Chief Assistant Editor*, D. A. C. A. Boyne (20) *Assistant Editor (News)*, K. J. Robinson (21) *Assistant Editors (Buildings)*, (22) L. F. R. Jones, (22) A. P. Lambert, (23) *Assistant Editor (Information Sheets)* E. G. Johnson (24) *Assistant Technical Editor*, M. Jay (25) *Photographic Department*, (25) E. R. H. Read, (26) H. de Burgh Galwey (27) *Editorial Secretary*, Betty E. Harris

* To preserve freedom of criticism these editors, as leaders in their respective fields, remain anonymous

9, 11 & 13 Queen Anne's Gate, Westminster, London, S.W.1 Whitehall 0611

Subscription rates: by post in the U.K. or abroad, £2 10s. 0d. per annum. Single copies, 1s.; post free, 1s. 3d. Special numbers are included in Subscriptions; single copies, 2s.; post free, 2s. 3d. Back numbers more than 12 months old (when available), double price. Half-yearly volumes can be bound complete with index in cloth cases for 25s. 0d.; carriage, 1s. extra.



PATIENT PROGRESS

Once a good idea has been thought of I, in common with all too many, often feel that it is, *ipso facto*, in full use. Way, way, back, in our starry-eyed post-war days when nations were getting together and exchanging information and planning Utopia it must have appeared obvious to someone that to help rebuild a devastated Europe and to replace the slum houses of the old world it would be as well to exchange information on building techniques and research. I referred, a couple of weeks ago to the enormous International Building Research Congress which is being held in London next month. I did not, however, mention a very much smaller but almost equally important meeting which is taking place a few days previous to the Congress.

Chaired by R. Fitzmaurice, a small *ad hoc* committee, originally set up by the Housing sub-office of the Industry and Materials Division of the Economic Commission for Europe, is investigating into the desirability of establishing international co-ordination and collaboration in building research. It is, of course, obvious that, as research is always a very expensive undertaking, the sooner we can achieve some planned unification in such things as the methods adopted for routine tests the sooner everyone who participates is going to benefit, by virtue of the fact that a vastly greater amount of comparative data becomes available immediately.

This committee, which last met in the spring in Brussels, was due to meet next in England. Just where to meet was a problem. A problem which, I am glad to say, was solved by a Mr. G. Trapani who runs the Skindles Hotel on the river bank at Maidenhead. On very generous terms, I am told, he is putting up the committee and providing them with a fine room in which to meet. A pretty gesture, because committee men haven't exactly the publicity appeal of film stars and tennis players. I wish the committee all success. I hope they find a way of ensuring international collaboration in building research—a little matter which, in my innocence, I should have thought might well have been achieved by now.

BLACK EYES AND LEMONADE

I thought at first that the curious title of the show now on at the Whitechapel Art Gallery was meant to be evocative—something to do with the popular ballad and that yellow liquid you once could buy for a penny a glass at Hampstead Heath on The Day. The cata-

logue put me right. The title comes from a poem by Thomas Moore:

"A Persian's heaven is easily made,
'Tis but—black eyes and lemonade."

"What does it all add up to?" a bemused young visitor asked me as he gazed beyond the late Chief Rabbi from Tussaud's and shifted puzzled eyes from a case of Goss china to a photographer's comic cow, thence from a fine old mower of the 1860's to a model of St. Paul's in sugar, created this summer by Senior Aircraftsman Brown of the RAF No. 1 School of Cookery. A trifle bemused myself, I bravely replied: "Well, it's popular art . . . vigorous, unselfconscious, spontaneous, nostalgic . . . by the people . . ." and so on. He said, "Oh, thank you," but he still looked puzzled.

Some of the things at the Exhibition—the Rowlandson lady of the ship's figure heads, the horse decorations, the gay little dancer from the fair-ground organ (made surprisingly in the 1920's, but savouring more of 18th century France) are enchanting; some—like the mystic picture of Lord Kitchener rising nude from a coffin, the Airedale dog fireplace made this year—are alarming; all are strangely fascinating. Barbara Jones and Tom Ingram obviously enjoyed themselves tremendously in sweeping this astonishing collection together and their enjoyment is catching. Obviously, too, they must be both highly sophisticated and at the same time delightfully child-like people to have created such a fantastic show. Many of the exhibits will indeed arouse the child in all of us, stabbing us with memories—the lovable milk float with its churn, the early posters, redolent of station cabs, and of course, pink seaside rock.

HOPE'S

STEEL DOOR FRAMES

designed & made by engineers



COST NO MORE THAN WOOD

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

It is
have,
have,
comm
try to
flectin
stuff
which
future
guts.
charac
than
with
where
cil an
Art s
—the
so p
the p
same
ing to
like.
looked
too h
go to
socio
but a
ment

UNSO
SO
Hap
just p
by B
the E
tion.
Jones
vidua
book
peop
are
is th
to
adve
æsth
are s
or to
Jone
Revi

She
wave
be s
from
the
them
that
outs
scale
altog
firew
have

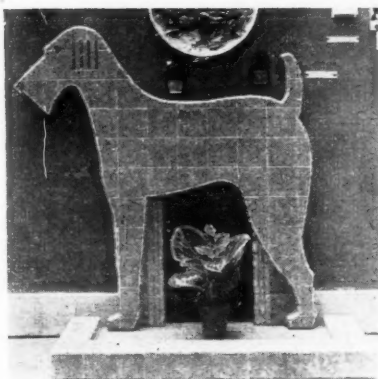
It is all good fun, especially if you have, as the organizers confess they have, a prejudice in favour of cats and commerce, but I suppose one must try to theorize about it solemnly, reflecting that here is the really basic stuff which is all around us and from which any developed culture of the future must sprout if it is to have any guts. Even at its worst, the general character here is at least more alive than the beige timidity which comes with half-baked education. But now where are we? Here is the Arts Council and the Society for Education in Art sponsoring a show of popular art—the term is widely stretched—and so presumably inferring that what the people like is good design. At the same time bodies like these are trying to tell people what they *ought* to like. No wonder the young visitor looked puzzled. But let's not think too hard: that way madness lies. Just go to the exhibition, not as an earnest sociologist, nor a sophisticated aesthete; but as a simple Persian. Entertainment there is easily made.

UNSOPHISTICATED ART FOR THE SOPHISTICATED

Happily the Architectural Press has just published *The Unsophisticated Arts* by Barbara Jones in time to go with the Black Eyes and Lemonade Exhibition. From this we can learn what Miss Jones in her own charming and individual way is trying to express. The book is simply "about the things people make for themselves, or that are manufactured in their taste." It is the revelation of one who has eyes to see—the travelogue of a gay adventurer into a new land of æsthetics—new, at least, to those who are self-conscious about visual beauty, or to those who have not met Miss Jones before in *The Architectural Review*.

*

She maps our journey thus: "A wavering and uncertain boundary can be stretched out to separate the folk from the vernacular arts . . . most of the folk arts are dead . . . most of them were handicrafts. . . . The things that were made by machine, or at least outside the village on a wholesale scale have a different flavour altogether: the toy theatre, the fair, fireworks, waxworks, and shop signs have a quite new quality, very difficult



to define, but harder, cruder, brighter, much less tasteful." These are the vernacular arts, and through them all, says the author, one factor is constant: energy. "There is always vitality to replace a lack of selection, technique or taste." Most of the things she has drawn, says Miss Jones, "are from personal taste in the 19th century industrial traditions; most of them are going." The book is therefore a useful record.

*

But it is much more than that, it is a work of art in itself. Beautifully produced and illustrated, it covers such unsophisticated arts as tattooing, canal boat and fair decoration, seaside vernacular, the decoration of food, taxidermy, and finally, The End, the decor of death. The book costs 25s., and is worth the price.

ANY OFFER'S FOR THE SOUTH BANK?

I don't imagine that you and I will have much of a look in when the South Bank comes to be sold off, but there

Arthur Ewing, Director of the Industry and Materials Division of the United Nation's Economic Commission for Europe, discussing with R. Fitzmaurice, the JOURNAL's Technical Editor left, arrangements for holding an international committee meeting in September on collaboration in building research. See Astragal's comment.

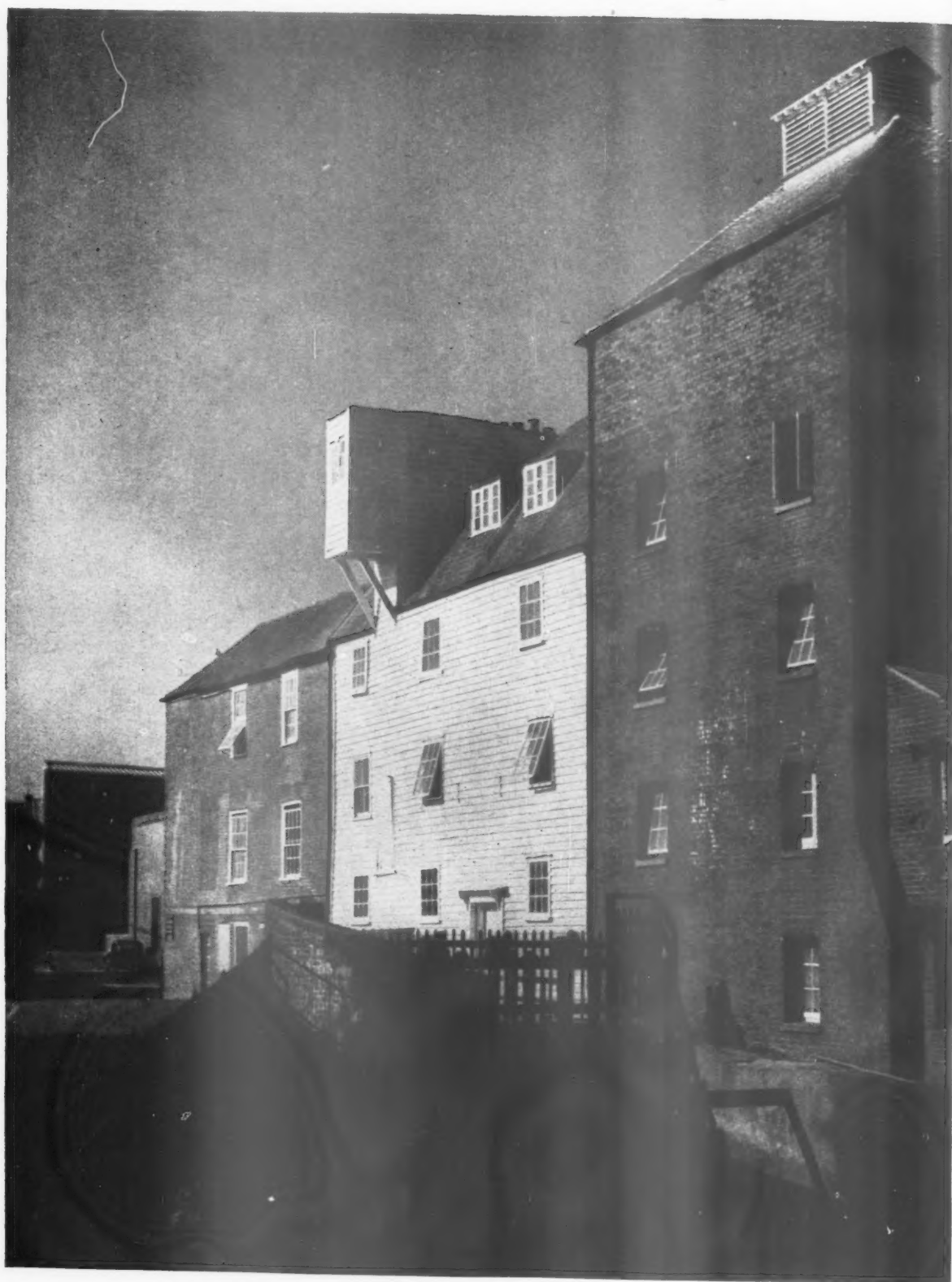


Three of the exhibits from the exhibition "Black Eyes and Lemonade" on view at the Whitechapel Art Gallery. Above left, bedroom fireplace: 1951. Above right, St. Paul's, made by Senior Aircraftsman Brown of the RAF School of Cookery, Hatton 1951. Right, figure from a show organ; about 1920-24. See p. 241.



are plenty of us I suspect, who would like two or three garden chairs and other whatnots. You can go to 99, Regent St., and make an offer if you think it's any use, but my guess is that most of the things you want will be sold off in large lots to the exhibition fitters: you'll probably see much of it let out on hire again at the Building Exhibition. Couldn't something be done to see that the pleasing South





Georgian Functional

Industrial Georgian rarely finds its way into the histories of architecture and has not yet had a book to itself. Yet it often has qualities that lie much nearer to the needs of our time than the domestic Georgian revived with such zest during the last half-century. Hooker's Mill, Canter-

bury, shown in this photograph by Marcus Whiffen, is a fine representative of a vanishing race. The largest of the old mills at Canterbury, the Town Mill, was burnt down in 1931; another of the few remaining mills, Barton's in Sturry Road, nearby, met the same fate on August 11.

Bank fu
people
it?

MOLGP
The C
has pre
on the
request
country
a conc
abouts
ways
arrange

It is
with ju
giving
general
corpor
of the
who a
the to
enlight
every
public
being
by ve
also to
tion o
the in
Topsy
towns
A ver
have n
the wi

BAD T
The
touchi
their
busine
ment
says t
ber of
have
consti
(he ha
a polic
a sku
some
Towe
comm
that
are fe
find a
to wh
Ivory
stidue
droit
their

Bank furniture is made available to the people who would really like to have it?

MOLGP OMISSION

The Central Office of Information has prepared a leaflet for the MOLGP on the New Towns, following many requests, both from people in this country and from overseas visitors, for a concise statement about the whereabouts of the New Towns, the best ways of reaching them, and the arrangements made for visitors.

*

It is a useful, sensible, little leaflet with just one great omission. While giving the names of the chairmen and general managers of the development corporations, it does not give the names of the architects and town-planners who are responsible for the design of the towns. I would have thought an enlightened Ministry would have taken every opportunity to impress on the public the fact that these towns were being carefully designed and planned by very highly qualified people, and also to make them realize the full function of these professions. Otherwise the inference is that these towns, like Topsy, and all the other cities and towns in the country, "just grew." A very stupid omission, for which I have no doubt the RIBA will give them the wiggling they deserve.

BAD TASTE

The behaviour of MP's and their touchiness over what they deem to be their privileges, is perhaps none of my business. But I cannot refrain from mentioning a newspaper report which says that Monsieur Biakaboda, a member of the French Senate, is thought to have been eaten by his Ivory Coast constituents. At any rate, his wives (he had two apparently) are asking for a police enquiry after finding bones and a skull in the jungle. Since there is some risk of being confined in the Tower, I suppose I should make no comment, but it is perhaps safe to say that judging from photographs there are few MP's whom I should expect to find at all tasty, even as an alternative to whale and horse. But perhaps the Ivory Coast is different, and constituents, by some form of inverted *droit du seigneur* are entitled to eat their members, if they feel like it.

ASTRAGAL

The Editors

PLEASE TEACHER

EARLIER this year reference was made in the JOURNAL to the need for fuller reports by the assessors of competitions. The suggestion, originally put forward by the MARS Group that the author of every design submitted should receive a written criticism is very commendable. The publishing of the results of three competitions in last week's issue serves to remind us how very pressing is the need for strong criticisms by senior architects of architects competition designs. This does not apply so much, perhaps, as regards the cathedral competition as it does to the competitions for a technical school and for an old people's home. In the case of the cathedral the assessors' task was so difficult that one would be reluctant to add to it, and new cathedrals are not proposed so frequently nowadays that the benefit of fuller criticism would readily be felt. It is also probable, bearing in mind the extremely different material forms taken by the places of worship of the many sects all professing to being Christians, that a special treatise would have to be prepared by the assessors before some of the competitors could understand a word of their criticism.

However, as regards the other competitions, the case for fuller criticisms is a strong one. Designs for technical schools and for homes for old people are not infrequently required. The competition system should be a way of ensuring that the winning design sets the standard of design for a particular building throughout the country. One of the ways of ensuring that the designs submitted in a competition maintain, or preferably, increase the standard of architecture, is by the assessors writing really vigorous criticisms of *all* the designs submitted.

One of the reports published in last week's JOURNAL shows how far short of this ideal present standards of criticism fall. The report consisted of less than fifty words. The competition system for architects is a unique feature amongst the professions. The ability to criticize, and to well-nigh guarantee high quality of design is unique too. The profession should therefore cherish it. Good criticism is also, of course, good teaching. The standards of design in the profession are low enough, as the results of competitions all too often show. But the profession at large, whatever its faults, has usually one virtue: it is eager to learn. In good critical reports lies the opportunity for the senior architect to teach.

Finally, the assessor has a trump card to play: if the profession will not learn the standards required of it he need not make an award. Such an action, distressing though it may be to all concerned, is far better than lowering standards.

Specialist Editor: No. 8.

HOUSING REVIEW

The recent announcement that the Minister of Local Government and Planning has approved the clearance in

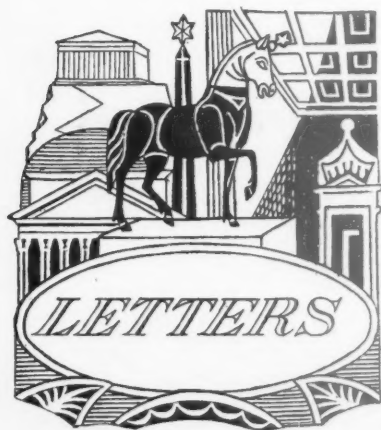
London's Metropolitan Boroughs of up to 3,000 slum houses a year during the next three years, provided that new dwellings to house the displaced families are regarded as part of the total building allocations, marks the beginning of a further stage in this country's housing programme.

It is heartening to consider that at last we may begin to look forward to a general resumption being made upon the removal of the worst blots among London's slums, and we hope soon a start can be made upon the slums of the other major cities.

By mid-summer of this year over a million new houses had been built since the end of the war. Reaching the million mark has been a fine achievement, especially when it has been accompanied by notable improvements in standards of accommodation, structure, equipment and layout. Housing today has become firmly established as a major social service and it is likely to remain so whatever form of government may be in power.

What of the future? Popular and professional opinion rightly is concentrated upon the well-defined problems of the relative size of the annual housing quota, its division between local authority and private enterprise building; problems of labour, materials, cost and layout. In the long run however, the problem of finding a reasonable balance between the rent and cost of new houses and between the rents for old and new houses is probably the most vital aspect of housing today. This subject and other aspects of housing economics is discussed by Mrs. Layton in a spirited article which appears in the current number of our distinguished contemporary *The Town Planning Review*; a summary of this article will be found in this issue of the JOURNAL.

We also publish from the same source a summary of a fascinating review by two Americans of the housing needs of the member countries of UNO, in which it is made clear that a demand for better housing is now universal and that in almost every country the outstanding problem is how to find the money and the means to build.



{ Denys Hinton

{ George Fejer Dip. Ing., Arch.

South Bank Overpraised?

SIR.—Claude Sisley's letter in your issue of August 16, will be welcomed by many architects who have been irritated by the unqualified superlatives which the JOURNAL has showered on the buildings in the South Bank Exhibition. The cause of Modern Architecture would have been better served by observing, among so much that is brilliantly successful, the presence of a small number of failures which all architects will have noticed for themselves and most of the South Bank designers will acknowledge.

The JOURNAL has not formally allowed any distaste for washing dirty linen to restrain it from performing this service which has

earned more gratitude than resentment from the profession. If, on this occasion, its policy of uncritical enthusiasm has been deliberately overweighted in order to offset the layman's indifference to contemporary design, Claude Sisley's reaction should cast some doubt on its effectiveness.

ASTRAGAL, in the same issue, makes a characteristically oblique approach to the same subject in the paragraphs which discuss the value of exhibiting good and bad work together, but his style is now so circumlocutory that it is hard to tell with what he agrees or disagrees.

What is clear, however, is that it is less than fair to disparage what ASTRAGAL calls "the locals" of Croydon and to exempt from serious criticism the élite of the South Bank—and not least unfair to the latter whose work most architects hope will exercise a wide influence on lay opinion. That influence will not be increased by opposing the layman's doubts with unrestrained hyperboles.

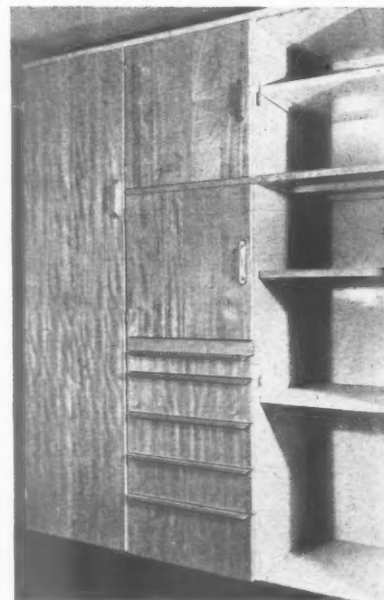
DENYS HINTON

London

Unit Furniture

SIR.—We ought to be grateful to Mr. Gullberg for the trouble he took in bringing over his furniture units from Sweden. His show did a lot of good towards breaking down the resistance that exists against every form of rationalized, simple fitments. Designers in this country have been told often enough that "this sort of thing" has no market here.

A modularized system of furniture construction for bulky "storage fitments" is an obvious trend and several solutions have been prepared and invented by at least half a dozen colleagues in this country. My own



designs, like the one illustrated, for instance, were fully developed in 1946 and were shown in the Britain Can Make It Exhibition. But the official and trade response to this and similar systems of design was just sufficiently cool to prevent further practical developments. If the Gullberg furniture could be imported for say the next 5 years, we could then dig out our old blue-prints again.

To import ideas, designs or goods is the most effective method of short-cutting costly development work at home, a sobering thought to all who are somehow still inclined to waste time and money on pioneering.

GEORGE FEJER.

London.



RIBA

New

The R
1951-52
Council
ing Inc
(past p
Paxton
Howitt
fession
will be
Poulto

CAN
PRO

Post

Jaquel
visiting
Town
academ
end of
a coun
take o
time t
is not
there
by th
Royal
lecturi

USA

Inter

Carelt
Arts I
don r
ing th
large
servic
projec
chara
it is p
ing
Nobel
sculpt
ments
chem
ments
The
organ
men
famo
count
Sitwe
Editi



RIBA

New Appointments

The RIBA representatives for the year 1951-52 on the National Consultative Council of the Building and Civil Engineering Industries will be Michael Waterhouse, (past president) re-appointed and Norval R. Paxton (vice-president), in place of T. Cecil Howitt. The representative on the Professional Purposes Committee of ARCUK will be E. D. Lyons in place of Denis Poulton.

CANADIAN PLANNING PROFESSORSHIP

Post for Jaqueline Tyrwhitt

Jaqueline Tyrwhitt has been appointed visiting professor to Toronto University in Town and Regional Planning for the academic year 1951-52. She will go at the end of September for seven months to start a course, and her job allows her to undertake outside work and she hopes to find time to build up a Canadian practice. This is not her first visit to Canada; she was first there during the war on a visit sponsored by the Ministry of Information and the Royal Architectural Institute of Canada lecturing on Town and Country Planning.

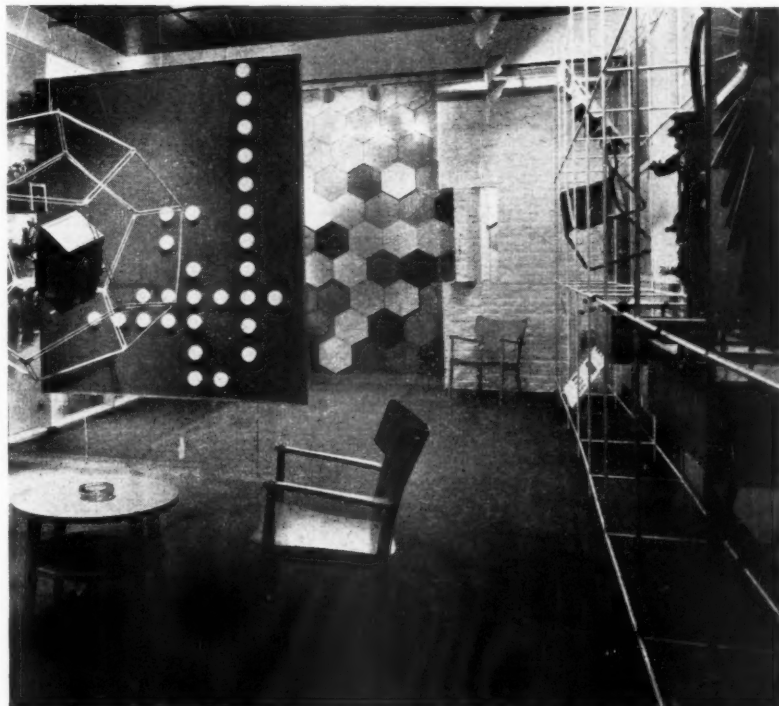
USA

International Arts Prize

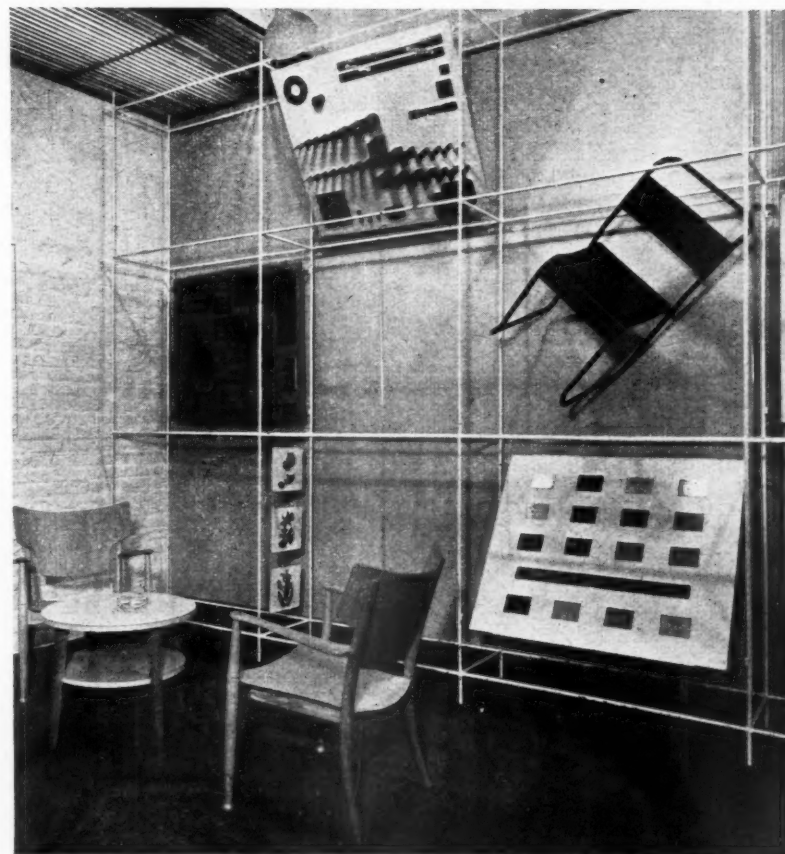
Carelton Smith, director of the National Arts Foundation of New York, said in London recently that the Foundation was studying the most useful methods of awarding a large money prize annually for "distinguished service to humanity through the arts." The projected prize will be international in character and resemble the Nobel prizes, but it is proposed to embrace all the arts, including architecture, music, drama, poetry, sculpture, dancing and the cinema. As the Nobel prizes focus attention on achievements in literature, medicine, physics and chemistry, so this prize will reward achievements in the arts.

The National Arts Foundation is a private organization and numbers among its advisers men of affairs, scholars, leaders of thought, famous artists, etc. Its advisers in this country include Lord Harewood, Sir Osbert Sitwell, Sir Laurence Olivier, John Gielgud, Edith Sitwell and Ralph Vaughan Williams.

FLEXIBLE DISPLAY AREA FOR PLASTICS



Above and below are two views of the London showroom designed by L. Gooday and C. Wycliffe Noble, for De La Rue & Co., Ltd. It is divided by a large panel; on one side is a sitting area, and on the other a flexible display space. Most of the walls are faced with plastic sheet. The contractors were Leon Goodman Displays, Ltd.



WALL DISPLAY IN LONDON SHOWROOM



Part of the new London showroom, designed by Frank R. Wray for Messrs. Fothergill & Harvey. The arrangement of the Company's various products in a showroom which, owing to limited space, could not be divided into separate departmental areas, was solved by housing the samples and show lengths in such a way as to make them instantly available. The dress goods samples are suspended from sliding racks fitted inside the framework of a pull-out drawer and are thus available for individual display to customers. Wall space has been allocated to each department and a special grid along the walls facilitates a variety of effects for draped fabrics without additional display aids. All the furnishings, decorations and display were carried out by Furdecor, Ltd.

WELDED STEEL FRAMED FURNITURE



Above are shown two pieces of occasional furniture designed and made by Ernest Race. The frames are of welded-steel rod. The stuffing is rubberised hair and the legs are of polished beech.

EDINBURGH ARCHITECTURE EXHIBITION

Opened By Basil Spence

An exhibition of architecture, entitled Four Walls, by the Student Architecture Group of the Edinburgh College of Art, was opened on August 20 by Basil Spence. It is being held at the Church of Scotland Arts and Crafts Centre, Edinburgh. One exhibit shows the students' conception of the redevelopment of Edinburgh University, in which George Square is left unaltered. The numerous multi-storey buildings are stepped to allow for adequate lighting. Also included are photographs of modern buildings. No names are attached to any of the drawings or models in the exhibition, because many of them are group efforts.

MOLGP

Board Appointed for Peak District Park

Hugh Dalton, Minister of LG & P, has made an Order setting up a Joint Board for the Peak District National Park.

The Order provides for the constitution of a Board of 27 members. Of these, 18 members will be appointed by the constituent councils. The remaining 9 members are nominated by the Minister. Included amongst these who have accepted the Minister's invitation to serve on the Board is Gerald Haythornthwaite, Chairman of Joint Committee of the CPRE.

DIARY

Exhibition of One Hundred Years of British Architecture, 1851-1951. At RIBA. Weekdays, 10 a.m. to 6 p.m. Saturdays, 10 a.m. to 5.30 p.m. UNTIL SEPT. 4

Exhibition of Designs for the Coventry Cathedral Competition. First three prize winning, and the two highly commended designs. At BC 9, Conduit Street, W.1. Weekdays, 10 a.m. to 5 p.m. Saturdays 10 a.m. to 1 p.m. UNTIL SEPT. 8

Exhibition of work by students. Work by students of the School of Architecture, Canterbury College of Art. At BC. Weekdays 10 a.m. to 5 p.m., Saturdays 10 a.m. to 1 p.m. UNTIL SEPT. 8

London: An Adventure in Town Planning. Exhibition of work by Assist. Professor Smigielski, staff and students of the School of Architecture, Polish University College. At ICA, 17-18 Dover Street, Piccadilly, W.1. Weekdays 10 a.m. to 6 p.m. SEPT. 13-OCT. 6

Engineering, Marine & Welding Exhibition. At Olympia. Daily, except Sundays, 10 a.m. to 8 p.m. UNTIL SEPT. 13

Exhibition of British Popular and Traditional Art. Sub-title: Black Eyes and Lemonade. At the Whitechapel Art Gallery. Daily except Mondays, 11 a.m. to 6 p.m. Sundays, 2 p.m. to 6 p.m. UNTIL OCT. 6

Exhibition of Architecture. Sponsored by the Institute of Registered Architects.

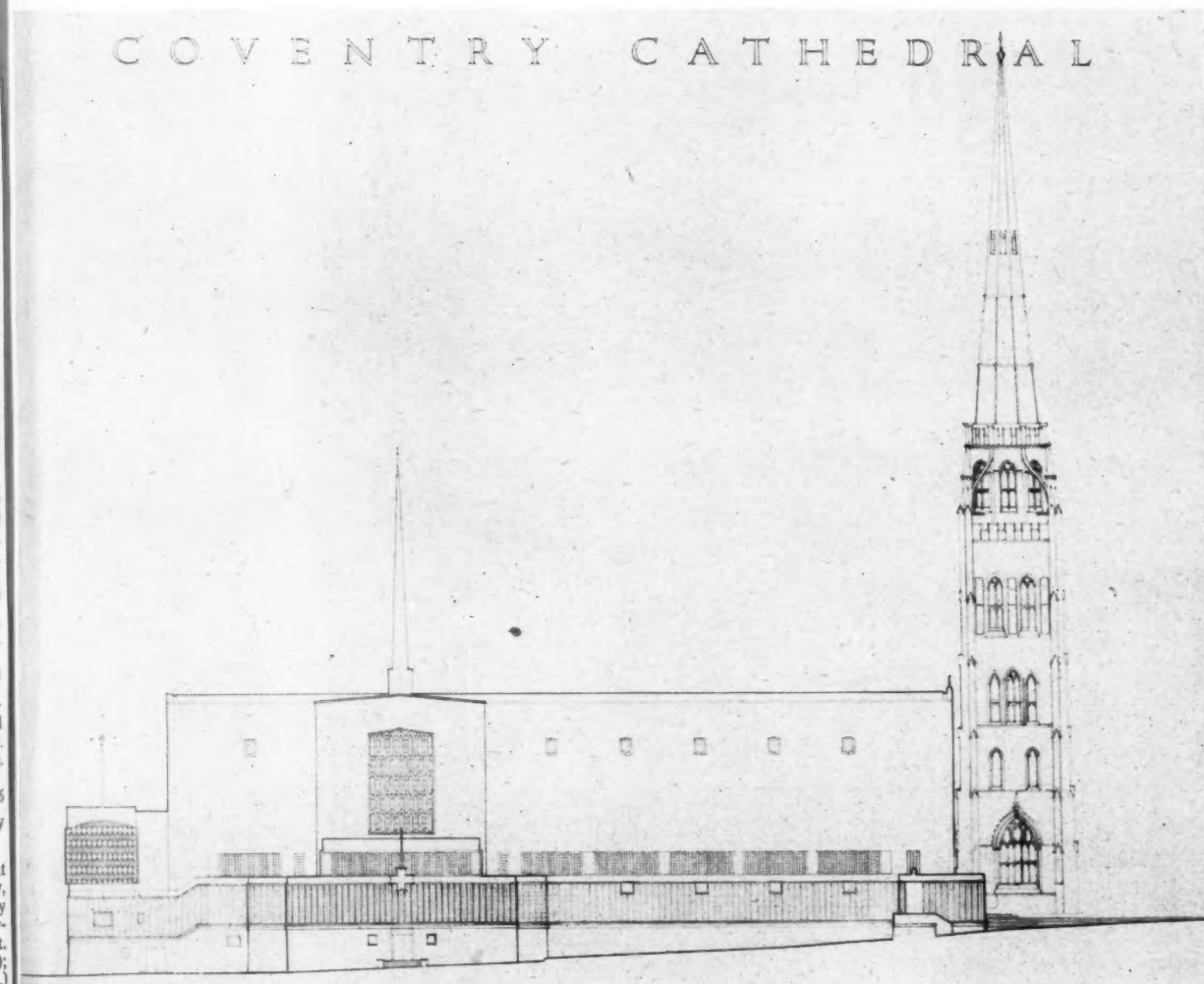
The above exhibition will be on view at the following places:—Mile End Library, Stepney (Sept. 10-22); East Finchley Library (Sept. 24-Oct. 6); Thomas Parsons Showrooms, 70, Grosvenor Street, W.1. (Oct. 8-19); Council Office, Surbiton (Oct. 22-27); Building Exhibition, Olympia (Nov. 14-28.)

COVENTRY CATHEDRAL COMPETITION

a selection of the PRIZE-WINNING and COMMENDED DESIGNS
assessed by SIR PERCY THOMAS, EDWARD MAUFE and HOWARD ROBERTSON

Last week the JOURNAL illustrated the winning design by Basil Spence of the Coventry Cathedral competition. This week the designs awarded the second and third prizes, and the two designs awarded a special mention are illustrated. In addition, two of the seven designs commended by the assessors, together with some unsuccessful designs, are shown in brief.

The north elevation of the design by W. P. Hunt, awarded the second prize.



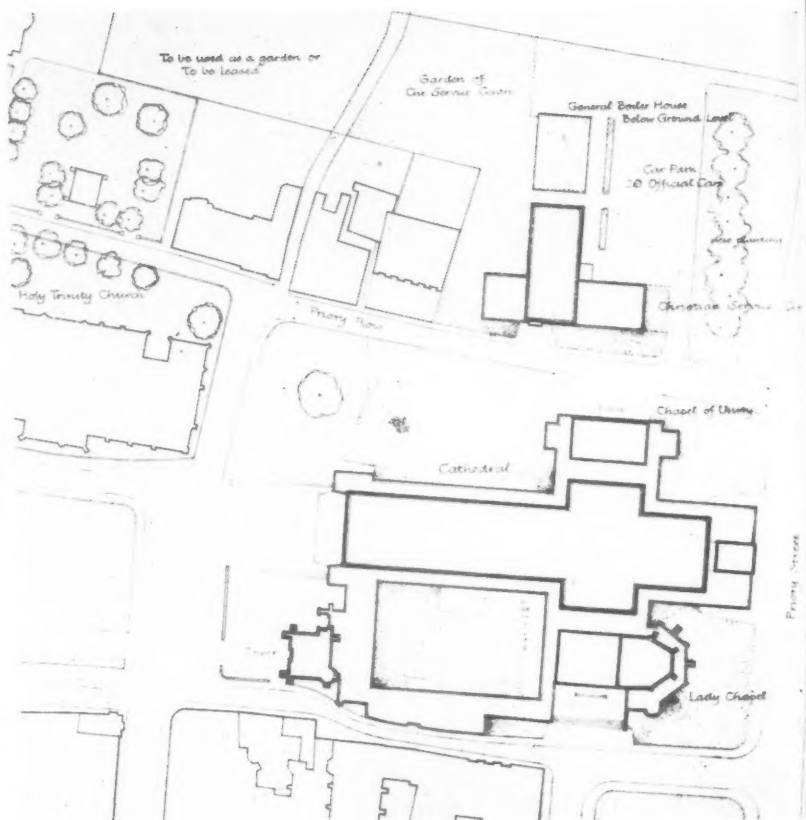
SECOND PRIZE : £1,500

awarded to : W. P. HUNT

ASSESSOR'S COMMENT.—This design provides a very convincing solution to the problem of lay-out and the grouping of the various elements of the design. The existing tower and portions of the ruined cathedral are incorporated into a cloister of considerable charm, integrated with the new cathedral. This also is a design contemporary in character which has unusual qualities of simplicity and distinction. The drawings, particularly the half-inch details, suggest that the author has not fully developed the basic potentialities of his design. Nevertheless, it is well worthy of second place.

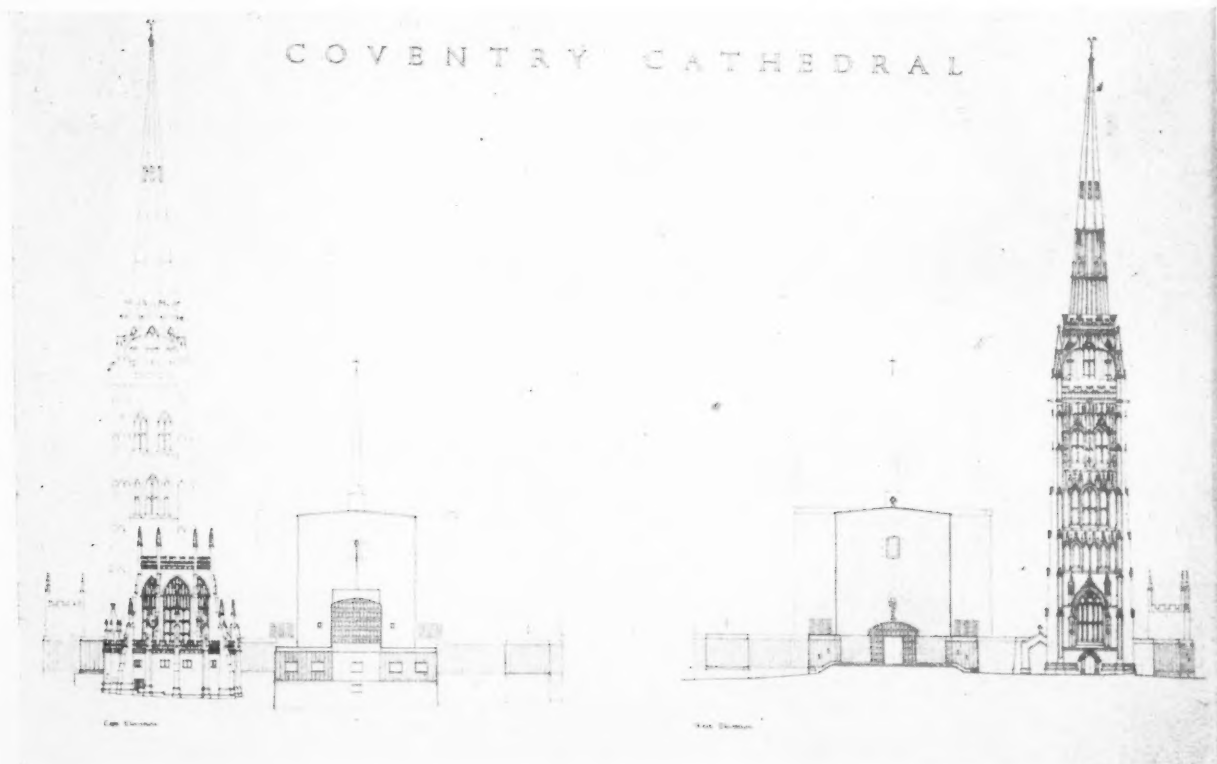
COMPETITOR'S REPORT.—*Plan.* The cathedral is sited so as to look down on the shopping centre which forms the main focus of the new Coventry.

Construction. Reinforced concrete portal frame trusses have been used for the high vault, the walls between them being also of reinforced concrete in two thicknesses faced with local stone externally and with plaster internally. Almost all the other walls are load-bearing. The fleche is reinforced concrete faced with a light-coloured granite.



Site plan.

The east elevation, left, and the west elevation, right.



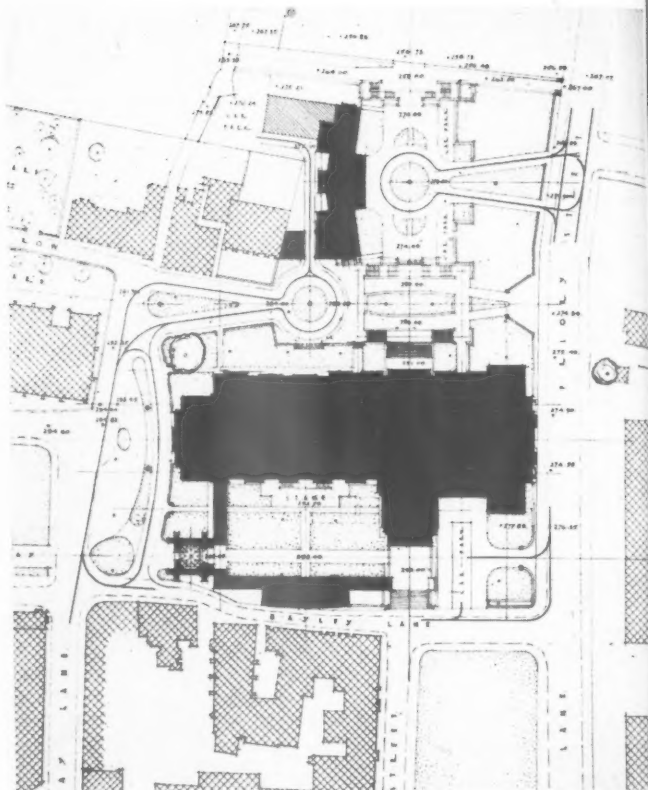
THIRD PRIZE : £1,000

awarded to : A. D. KIRBY

ASSESSOR'S COMMENT.—This is a competent and well-thought-out scheme, with a lay-out somewhat similar to that of the second premiated design. The plan and composition of the masses are impressive, but the design lacks distinction in quality of architectural detail.

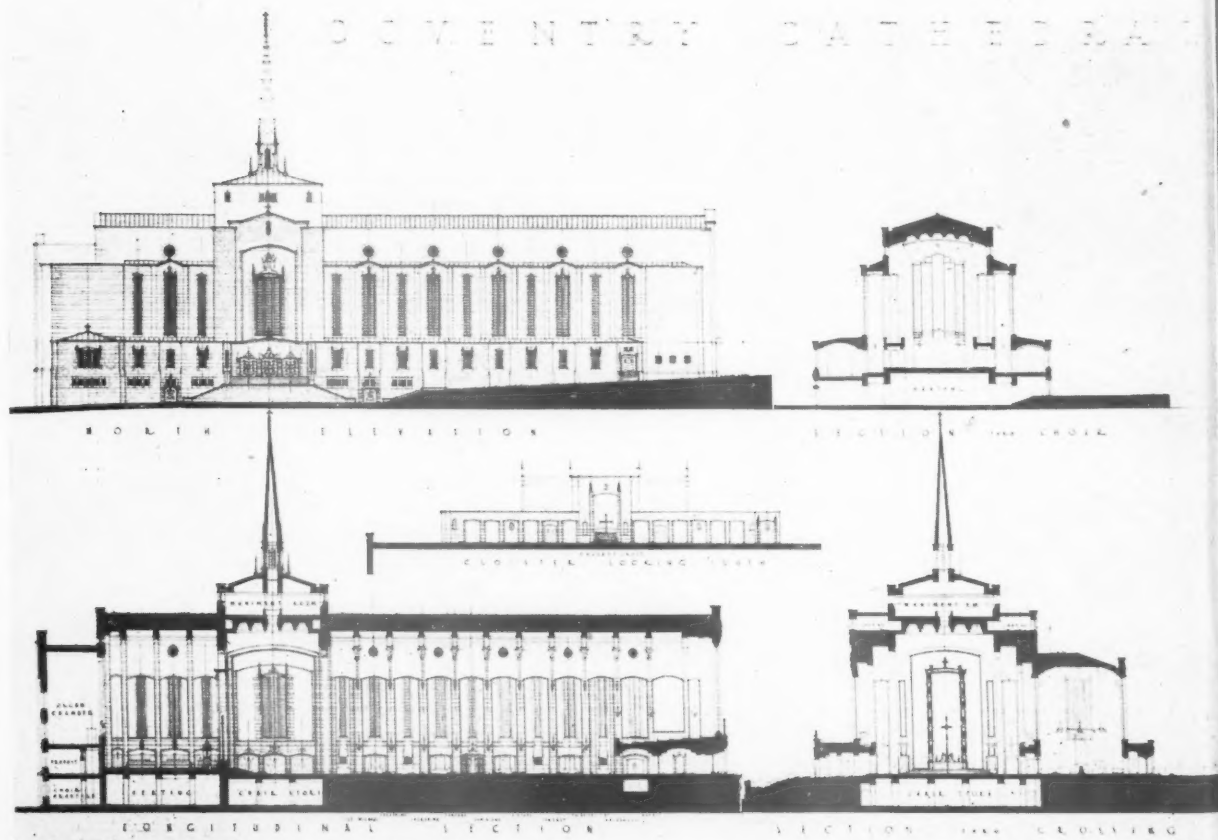
COMPETITOR'S REPORT.—*Construction.* The foundation to be of reinforced concrete piles with reinforced concrete beams between. Main frame of nave : reinforced concrete, comprised of columns faced with local sandstone. The nave is spanned with reinforced concrete arched beams. Beams extend up with the roof and carry reinforced concrete ridge and purlins. Between the purlins are semi-circular barrel vaults in concrete. Roof : copper.

Colour. Generally the colour will be local pink-grey sandstone with acoustic stone plaster, except the nave ceiling, which will be painted with light blue barrel vaults, ivory purlins, pink-grey arched ribs with silver, gold and Venetian red stone ornament. The coffered ceiling over the crossing to be finished ivory, maroon and red with gold and silver star ornament. The walls of the choir to be finished ivory with Venetian red and gold star ornament forming light background to the High Altar.



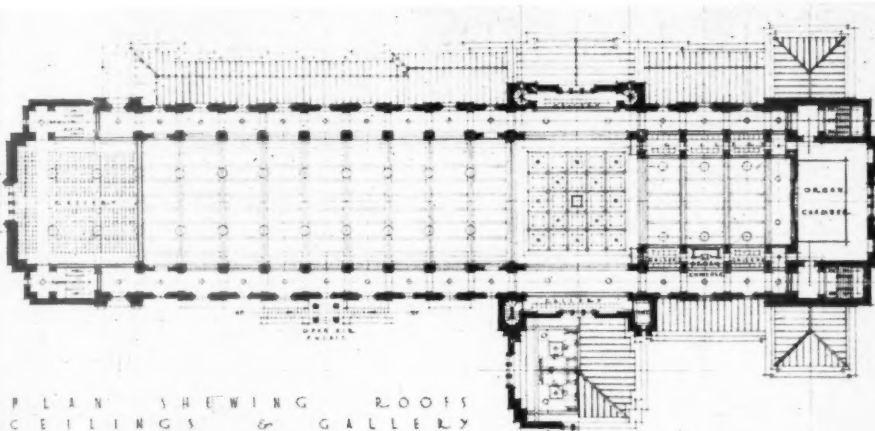
Site plan.

North elevation, top, longitudinal section, and sections through crossing and choir.



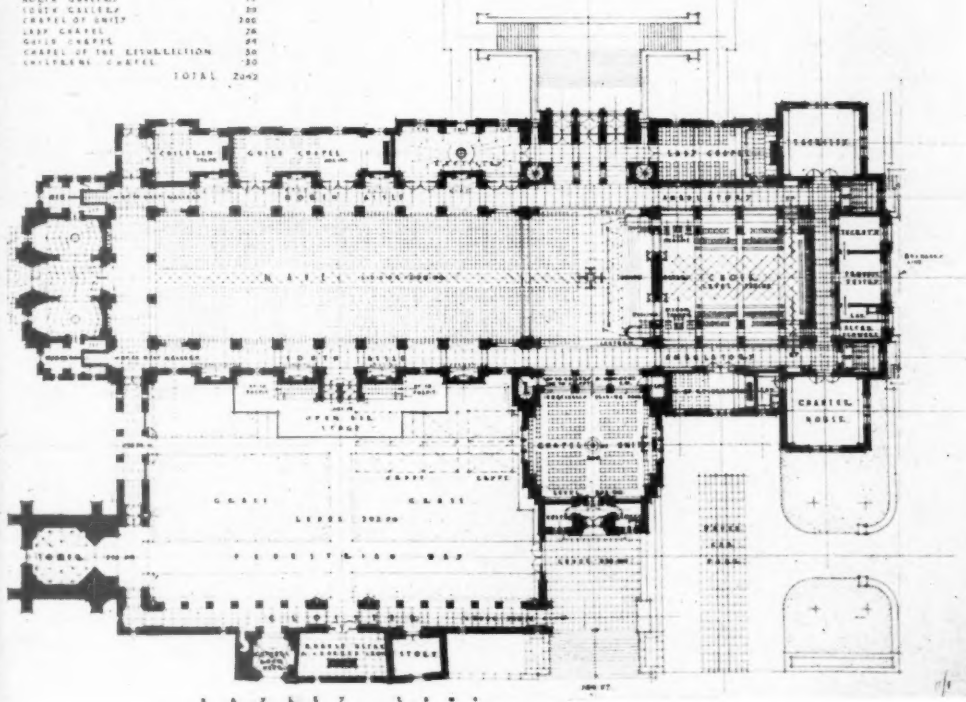
SPE
a desig

North



PLAN SHOWING ROOFS
CEILING & GALLERY

SITTING	
NAVE	1335
WEST GALLERY	280
EAST GALLERY	14
CHapel of Unity	30
WEST CHAPEL	26
GUILD CHAPEL	65
CHapel of the Resurrection	30
CHILDREN'S CHAPEL	30
TOTAL	2042



Top, plan showing roofs,
ceilings and gallery.
Left, plan of main floor.

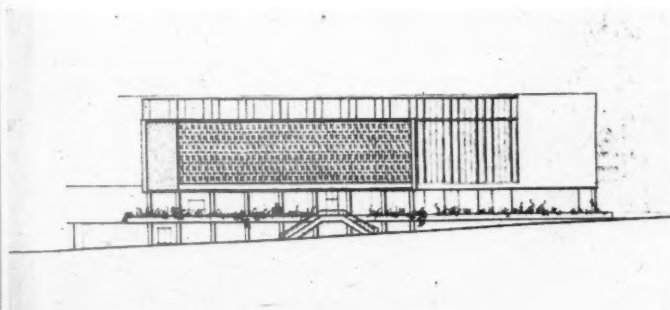
SPECIAL MENTION

a design by TISCHLER and HILDEBRAND

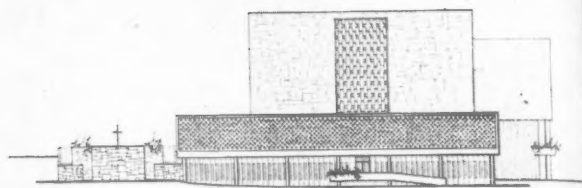
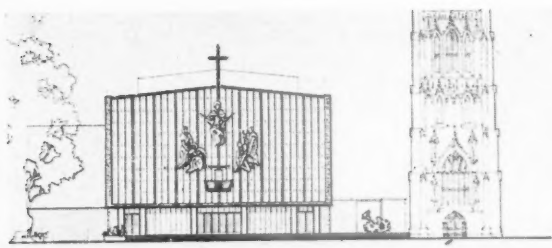
ASSESSOR'S COMMENT.—This is a well-devised scheme, carefully worked out in detail with attractive features, but lacks that architectural character and atmosphere essential to a Cathedral.

COMPETITOR'S REPORT.—*Siting.* The Cathedral is planned on east to west axis. The Chapel of Unity is placed on the upper gallery so that, when a dividing screen is slid back the people within are linked with the cathedral.

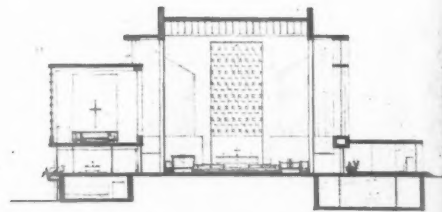
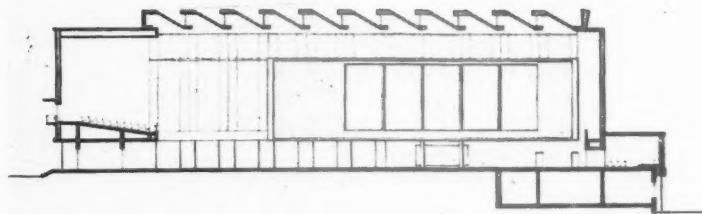
Construction. Main structure: reinforced concrete frame and some load-bearing construction. Foundations piled. The copper-covered roof, with vertical glazed panels directing clear light towards the altar, is formed by cranked slabs on webbed girders carried by nave columns.



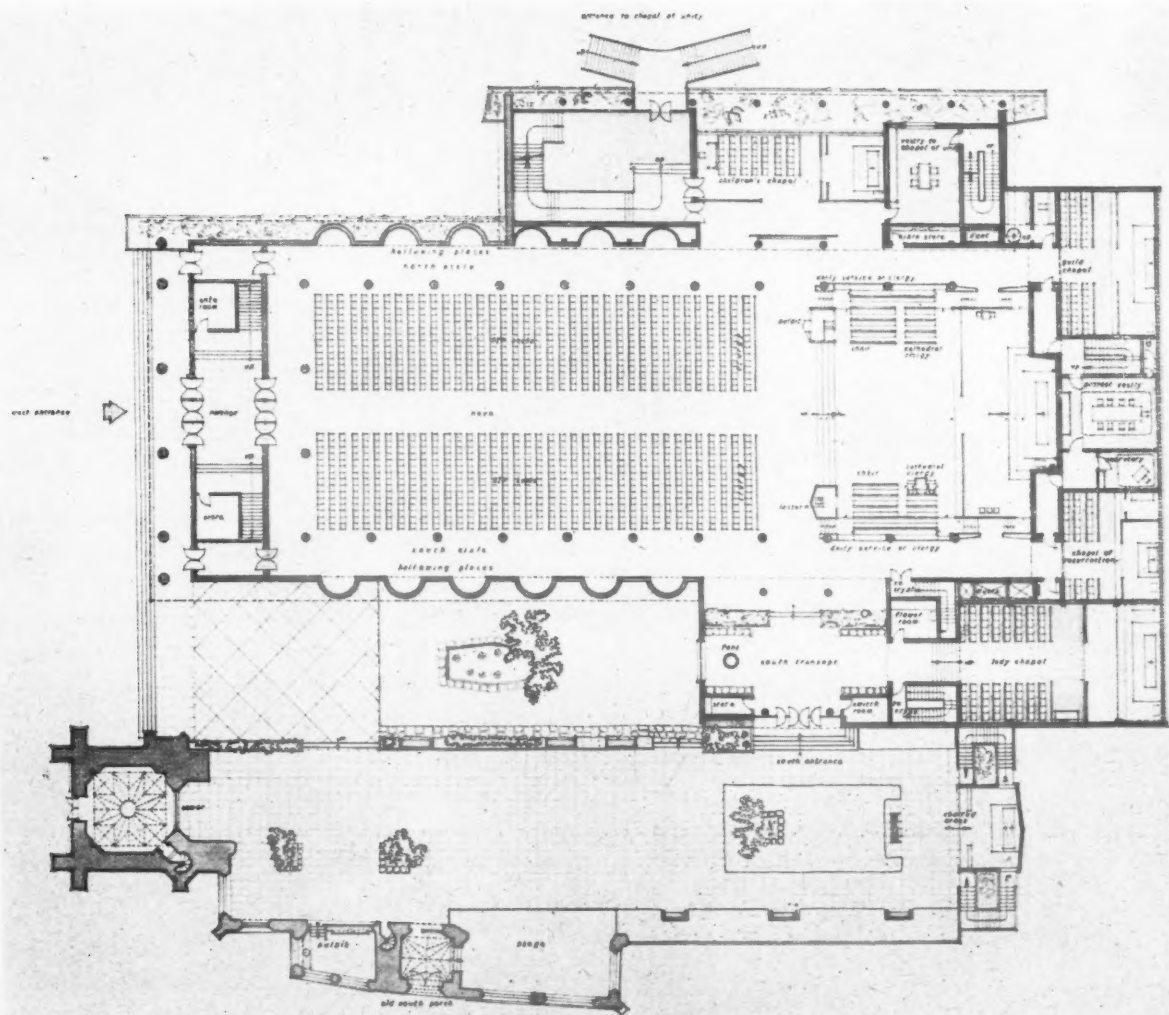
North elevation.



West, left, and east elevations.



Longitudinal section and cross section.



Ground floor plan.

ASSESSOR'S COMMENT.—This design is of great merit with an inspiring interior, and an original and interesting conception of structure. Unfortunately a failure adequately to comply with certain of the planning conditions precludes it from being considered for an award.

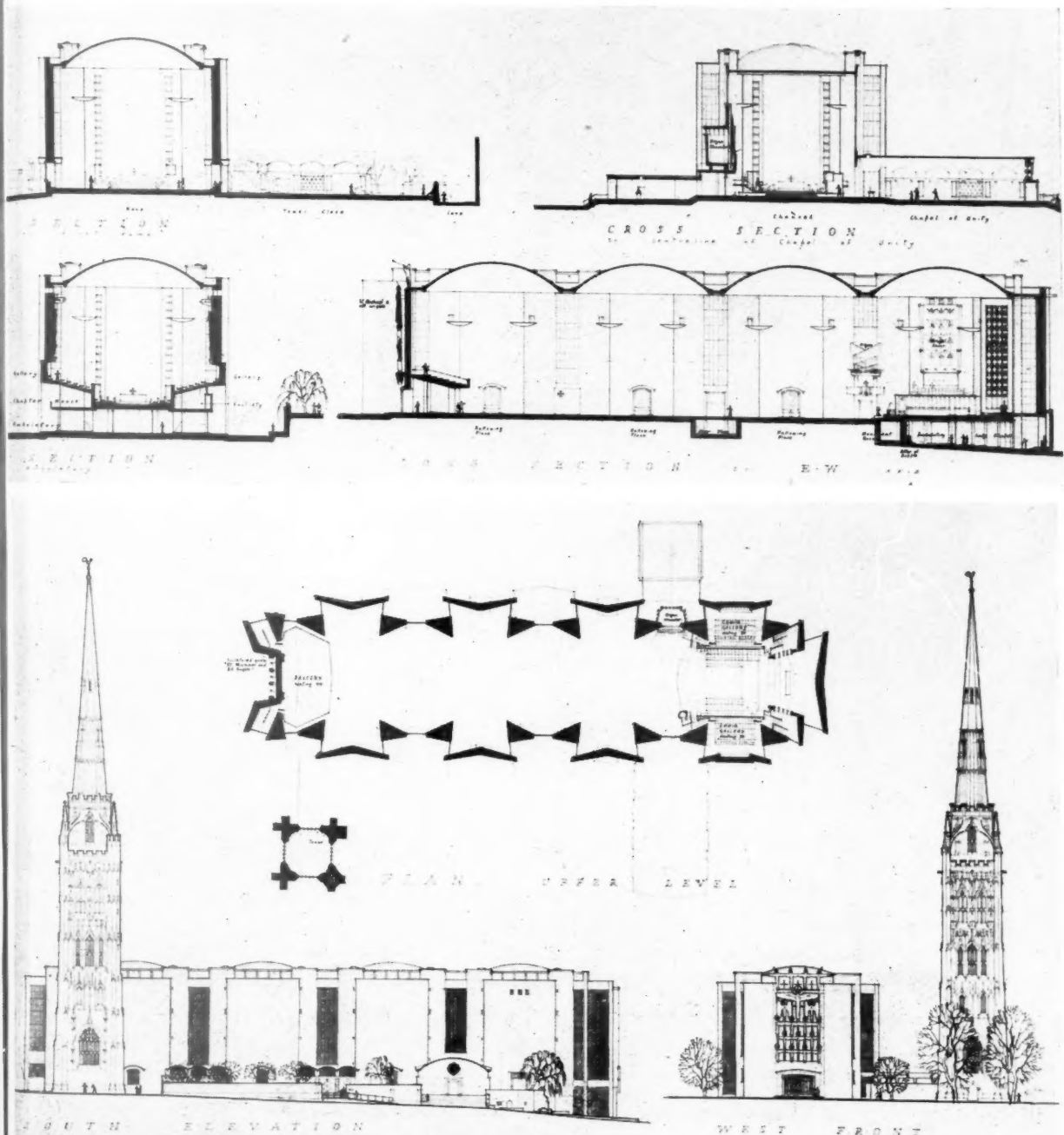
COMPETITOR'S REPORT.—*Design.* The exterior is the expression of the quadripartite form of the cathedral, with its sheer pylons and massive walls rising solidly, linked only by transparent panes of

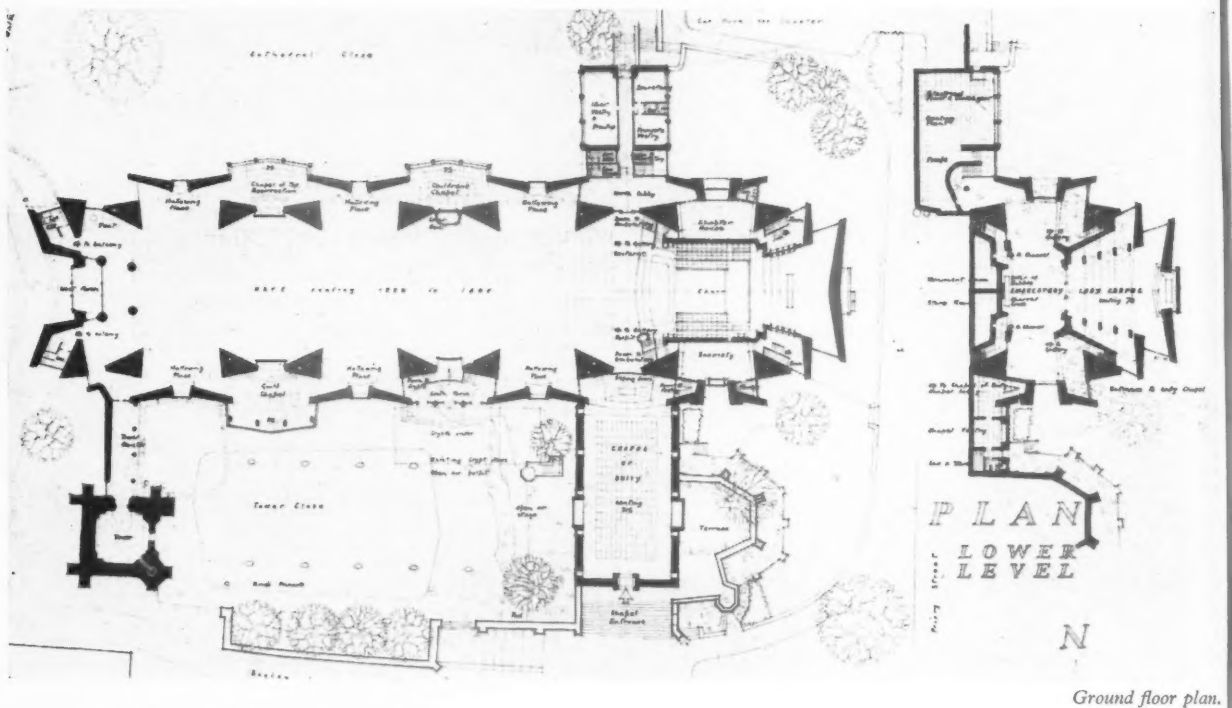
glass. At only one point, the west front, does the design attempt to dominate, by scale, depth, light and shadow, the existing tower, the Holy Trinity Church and the open space of the western approach. *Construction.* The structure is mass and reinforced concrete with all wall surfaces of Red Hollington stone in random coarsed ashlar. Roof: four deep-edged concrete domes, sheeted with copper. The east wall, internally, and sanctuary paving is faced with unpolished, pale honey-coloured Darbydale marble. This wall is pierced to admit light by means of solid bars of clear acrylic resin.

SPECIAL MENTION

a design by
ROLF HELLBERG

Below, cross and longitudinal sections. Bottom of page; south elevation, left, west elevation, right, and plan of upper level.





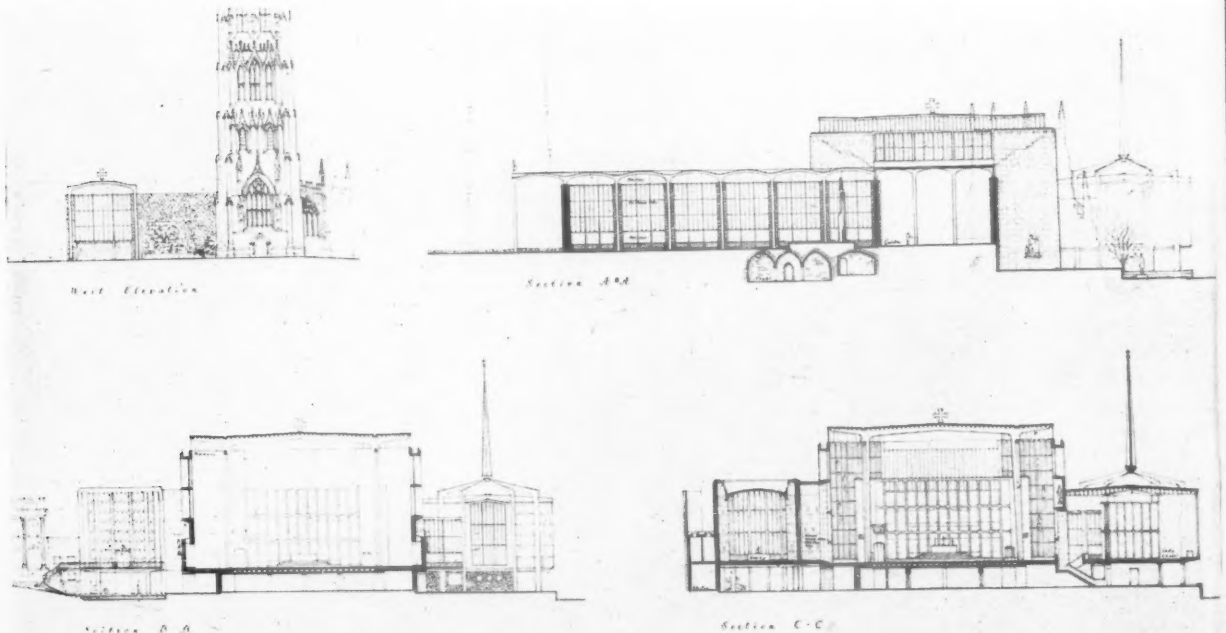
COMMENDED DESIGN

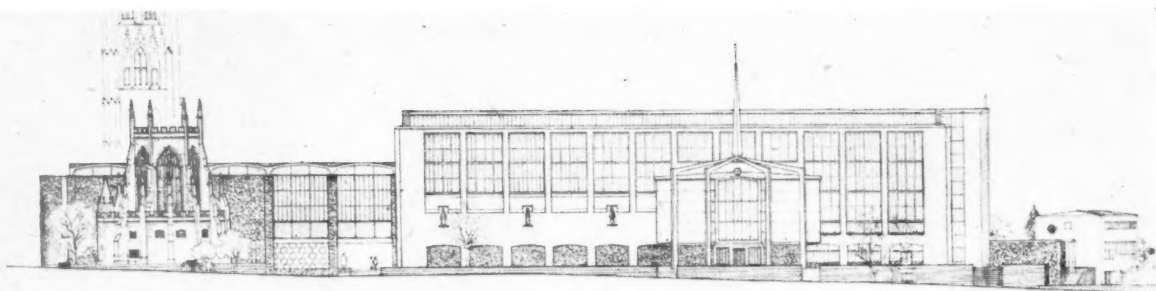
by TOM MELLOR and J.A. ASHWORTH

COMPETITOR'S REPORT.—Plan. The new building is placed at right angles to the old cathedral along the east boundary of the site. The larger part of the old ruins are retained and provide a suitable setting for the open air stage and pulpit.

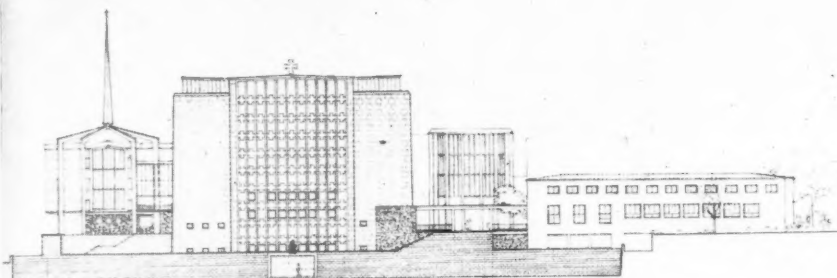
In order that the main cathedral should have a direct link with the town centre, a monumental covered way alongside St. Michael's Avenue, which is retained as a public pedestrian way, has been provided. This approach cloister leads into a large Galilee, or closed porch, opening into the cathedral itself. This arrangement was adopted in preference

West elevation and sections through old cathedral and nave, Chapel of Unity and Lady Chapel of new cathedral.





East Elevation

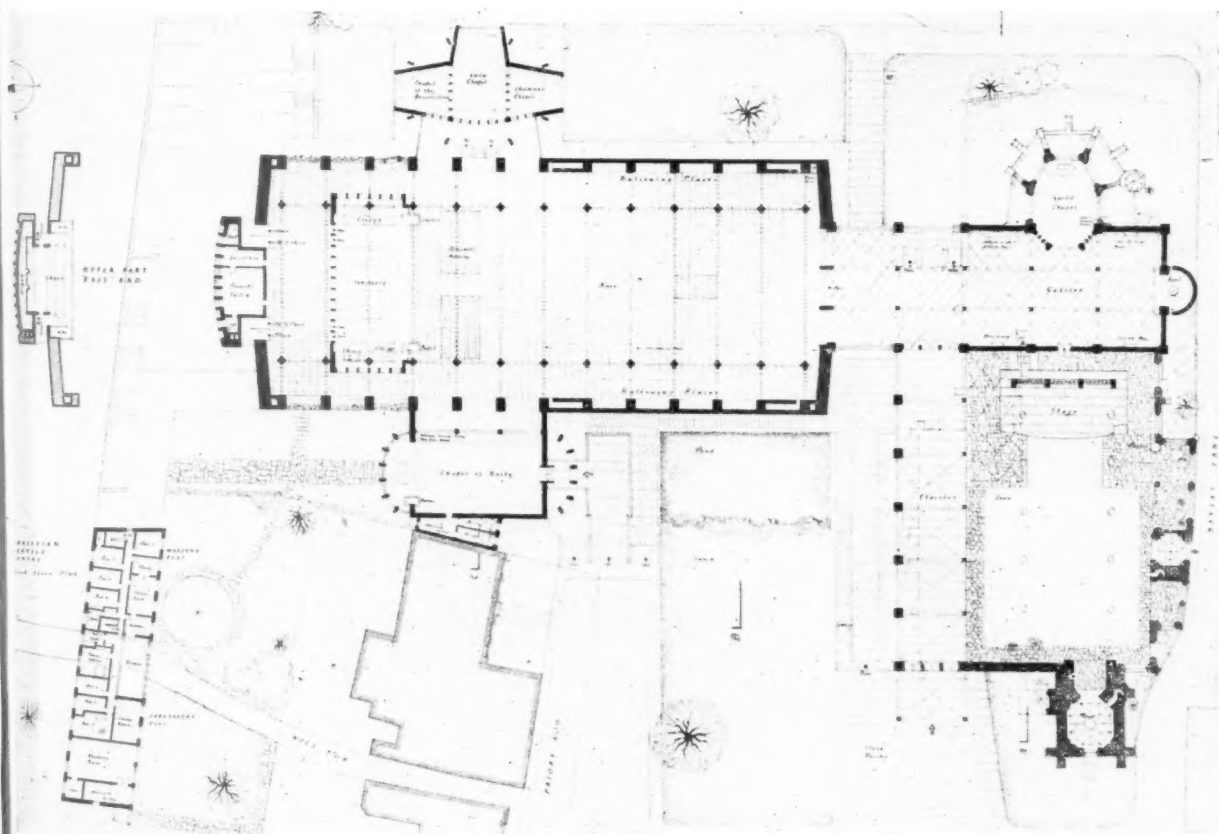


South Elevation



South Elevation of Christian Science Center

Top, east elevation. Above, north elevation.



Ground floor plan.

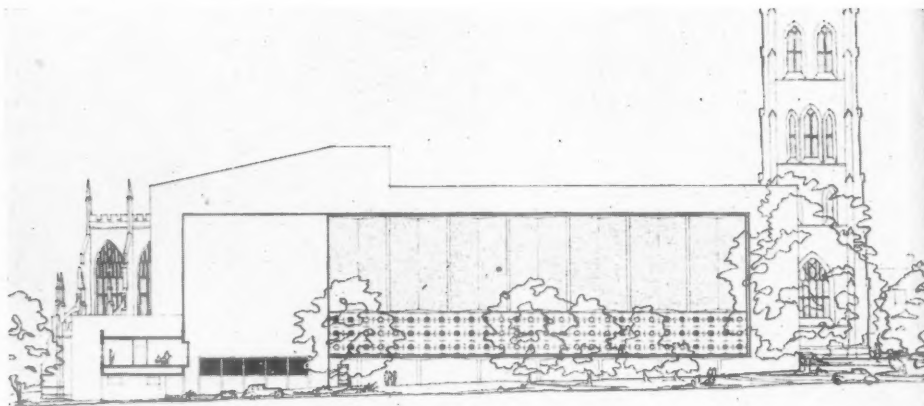
to a direct entry because it provided both privacy during actual worship and built up progressively towards the climax of the altar and sanctuary

Construction.—Light reinforced concrete roof structure carried independently of the walls, which are of local sandstone with limestone window frames.

North elevation.

COMMENDED DESIGN

by THE PETER DUNHAM
GROUP

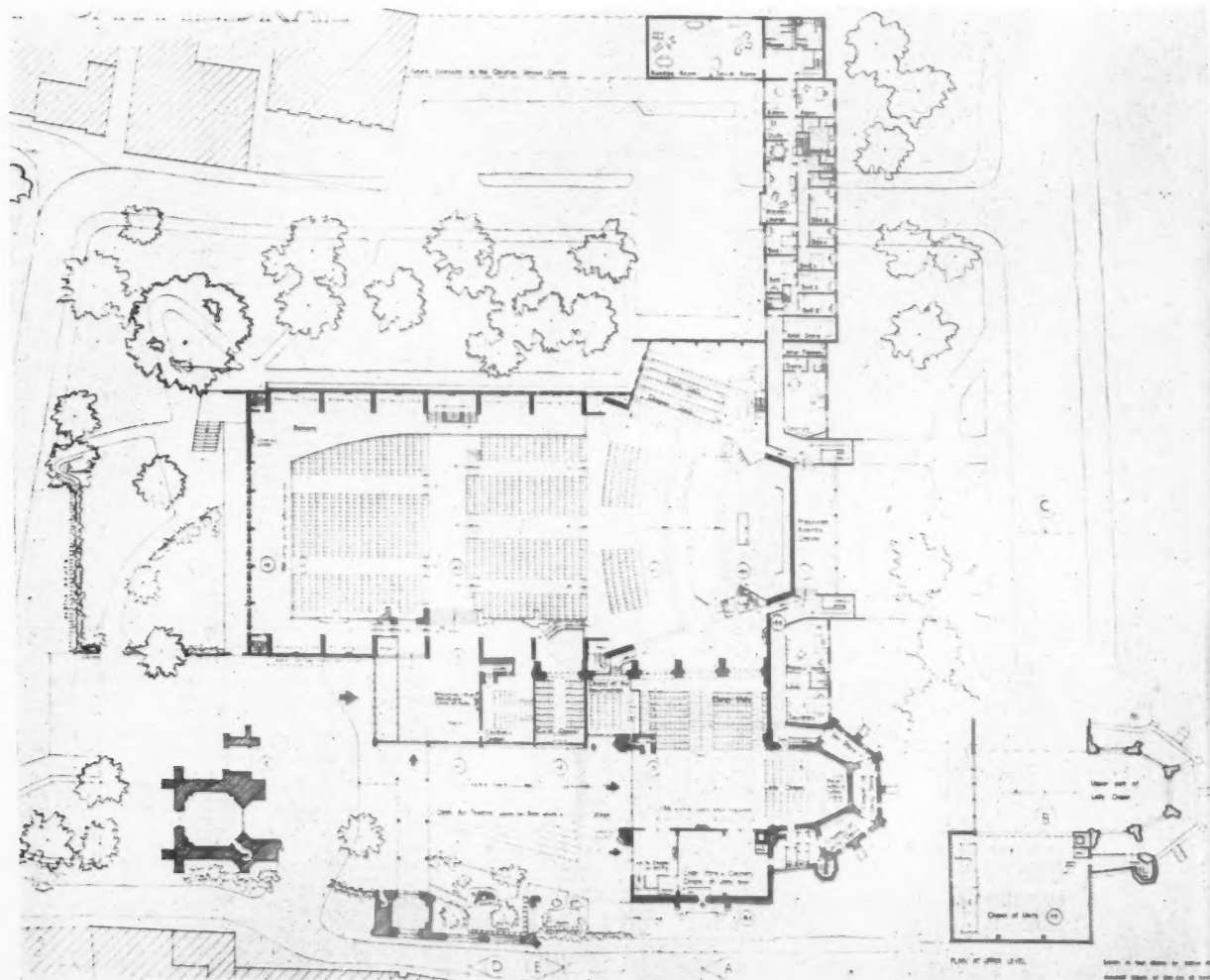


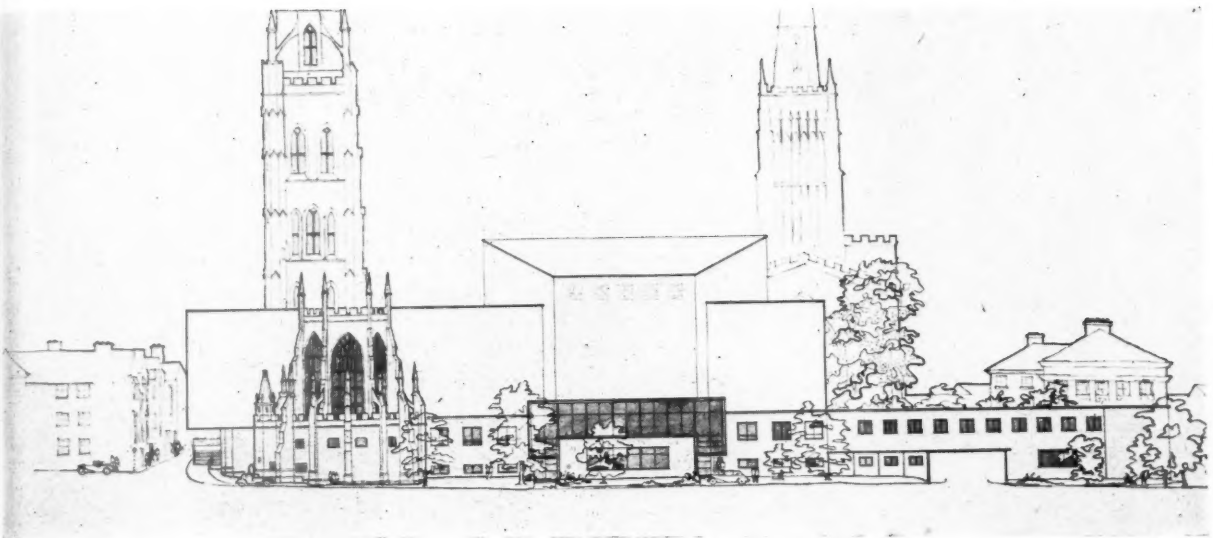
COMPETITOR'S REPORT.—*Plan.* The orientation of the design is kept east-west and the south wall of the new cathedral is within the existing ruins so that part of these are retained as screens inside the new building, and the remainder used as a garden and surround to the open-air theatre.

Construction. The nave is of reinforced concrete

frames at 21-ft. centres spanning the 88-ft. width of the cathedral with non-structural, saw-tooth, infilling panel walls of local stone. The roof is of reinforced concrete slabs spanning from the top of one beam to the bottom of the next. At the chancel end, two reinforced concrete arches span from nave to altar and frame the choir on the north side and the Chapel of Unity on the south.

Ground floor plan.

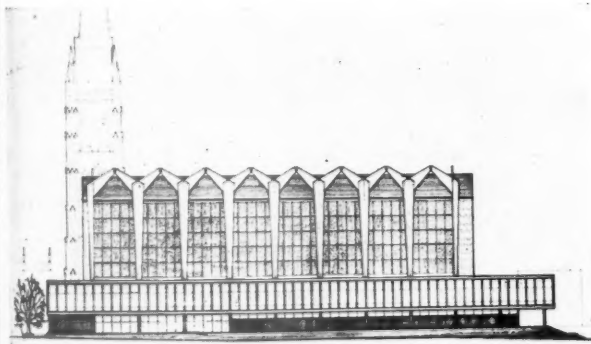




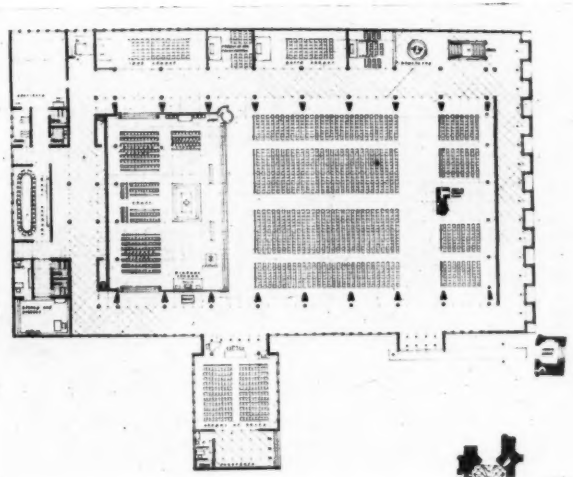
East elevation.

COVENTRY CATHEDRAL COMPETITION

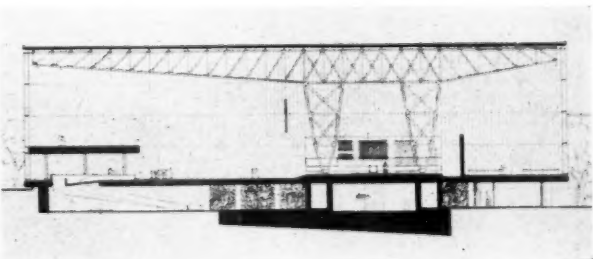
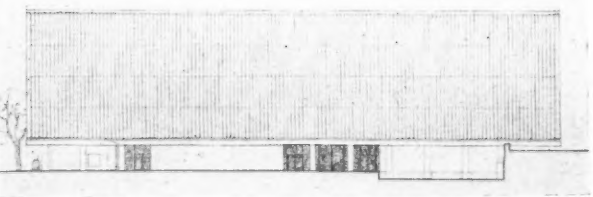
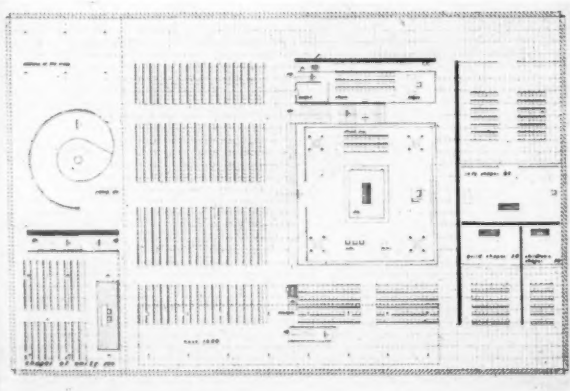
a selection of the UNSUCCESSFUL
ENTRIES



Design by H. V. Abbott and J. A. Partridge, of London. Above, the east elevation and right, plan at main floor level.



Design by C. St. J. Wilson and Peter Carter, of London. Below, ground floor plan; right, west elevation; below right, section.

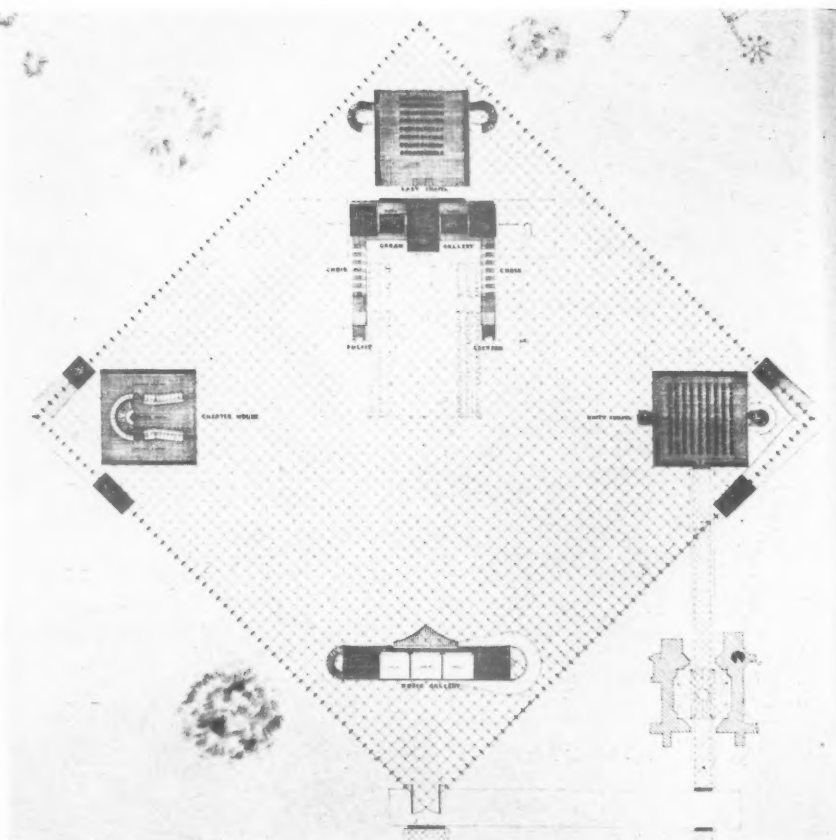


Upper floor plan.

COVENTRY CATHEDRAL COMPETITION a selection of the UNSUCCESSFUL ENTRIES



Site plan.

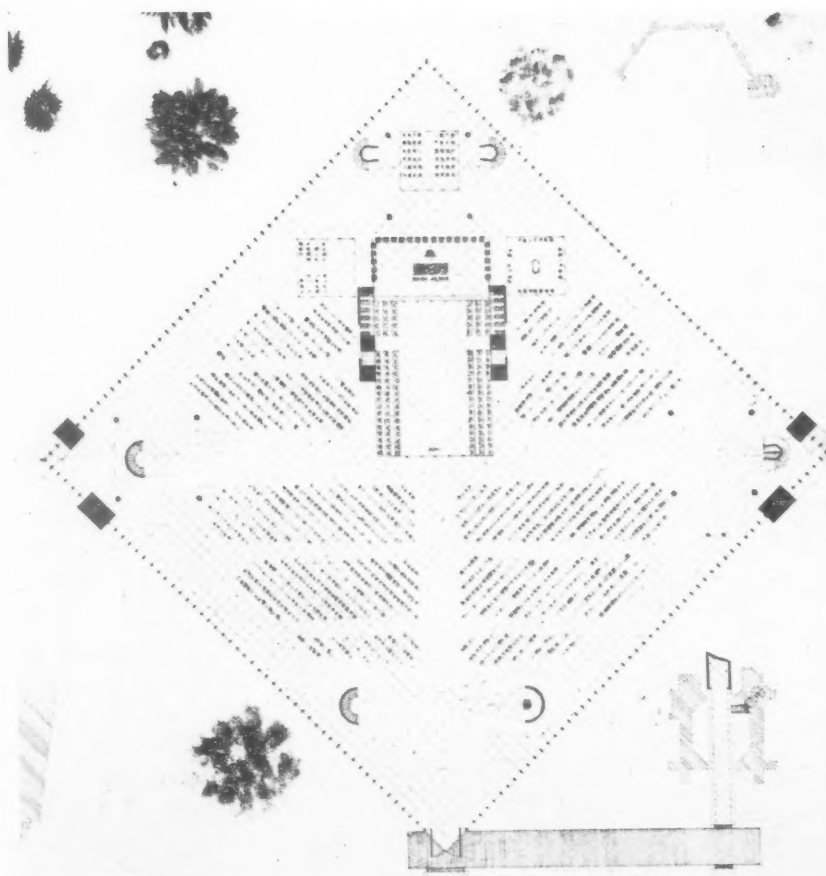


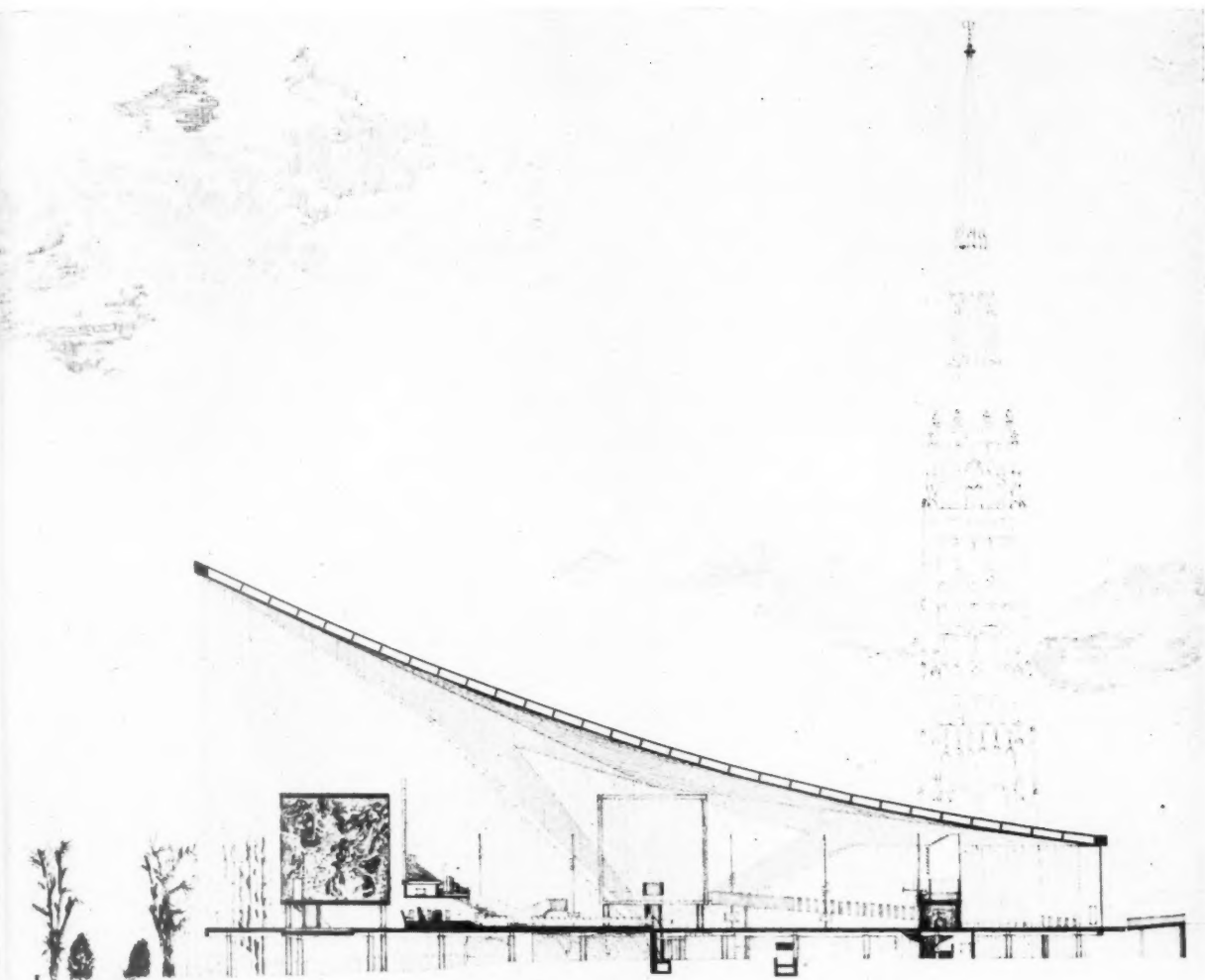
The design on this and the facing page is by Alison and Peter Smithson, of London. Below are extracts from their report:—
 The general lack of order and the scale of adjacent buildings seem to point to the cathedral being conceived as one large single volume containing all the functions, rather than as a series of small related volumes whose tensions would be slackened and confused by the existing chaos. The axis joining the city centre with the old tower has been taken as the site dominant, and from it the geometric harmonies of the cathedral volumes have been built up. The ancient symbolisms of eastern orientation, cruciform plan and trinitical arrangements have been retained.

The base of the tower forms the module. The various subsidiary rooms, the crypt of the old cathedral, etc., are contained below the main floor level and reached by processional ramps and stairs. The interiors of the high-level chapels are covered with murals.

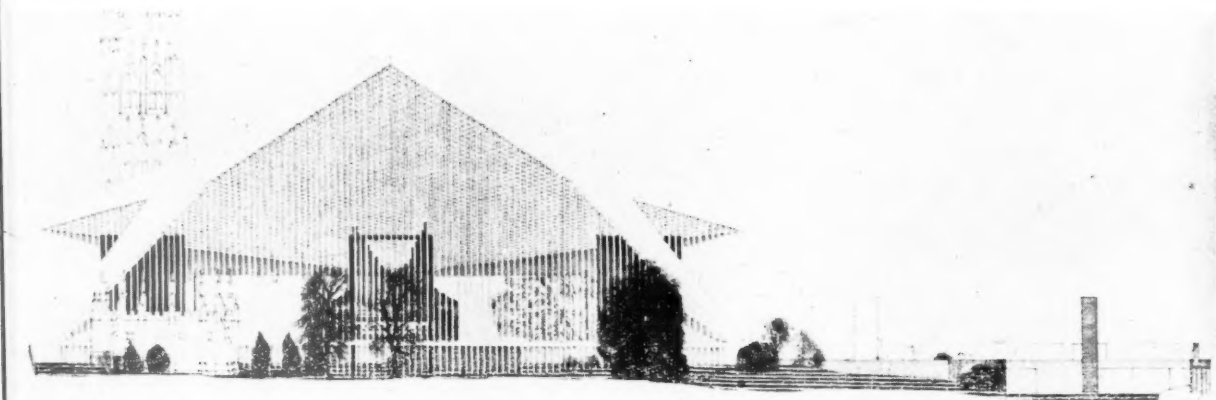
The directional placing of the square and the emphasis on the east-west axis suggested the use of a concrete shell vault. The outer shell is prestressed to prevent surface cracking. Unlike most vaults the thrusts to be carried to the ground are in the line of the edge beams, not at right angles to them, so that supports on the north-south axis, combined with strings stressed to pull vertically on the edge beams, support the vault. These strings are used as glazing mullions. The estimated cost, based on approximate quantities, was £650,000.

Plan at main floor level.

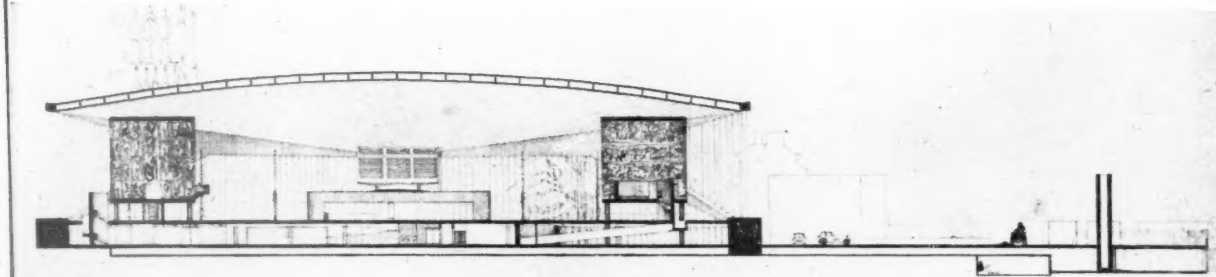




Section looking south.



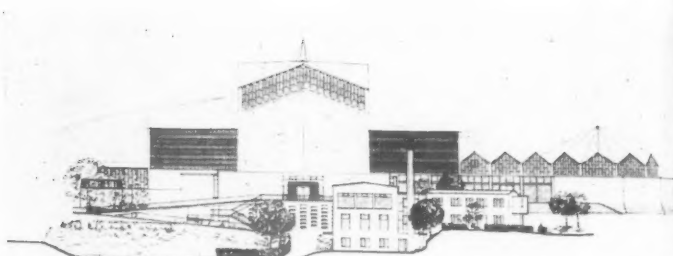
Elevation from east.



Section looking west.

COVENTRY CATHEDRAL COMPETITION

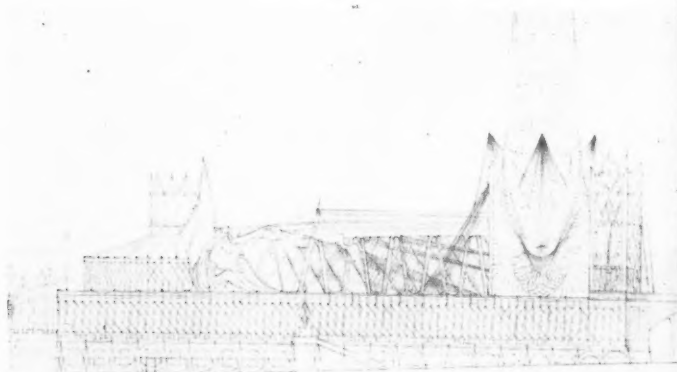
a selection of the UNSUCCESSFUL ENTRIES



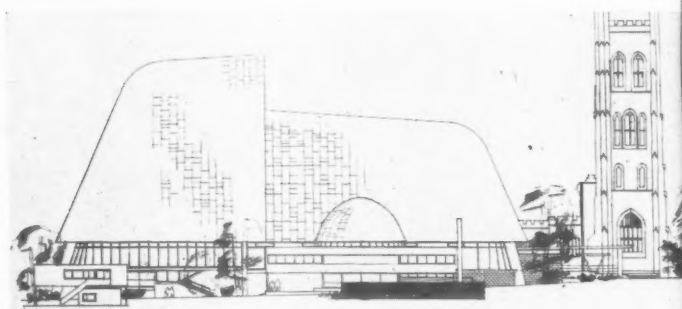
Design by Frederic Lawrence and Partners, of Bournemouth.



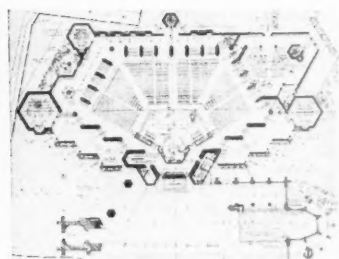
Design by Terence Verity, of London. The west elevation.



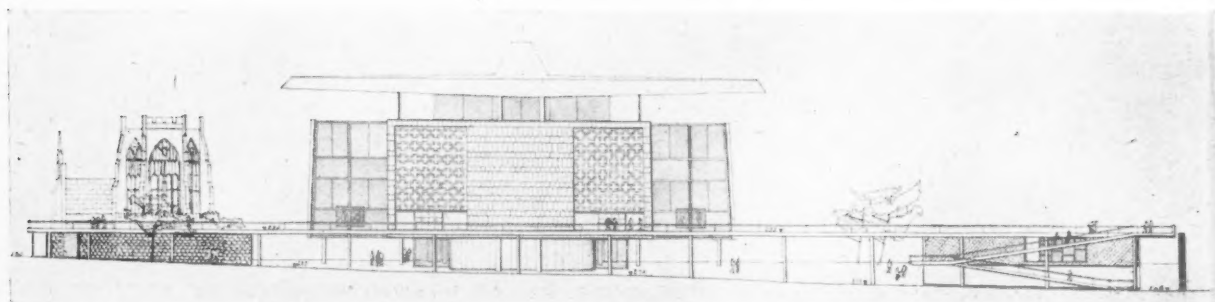
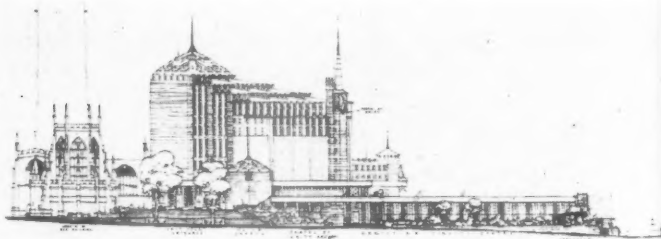
Design by Cotton, Bramhill and Cotton, of London. The north elevation.



Design by Stephen Gardiner, of London. The north elevation.



Design by D. R. Harper and R. H. Harvey, of Birmingham. Left, the plan, right, the east elevation.



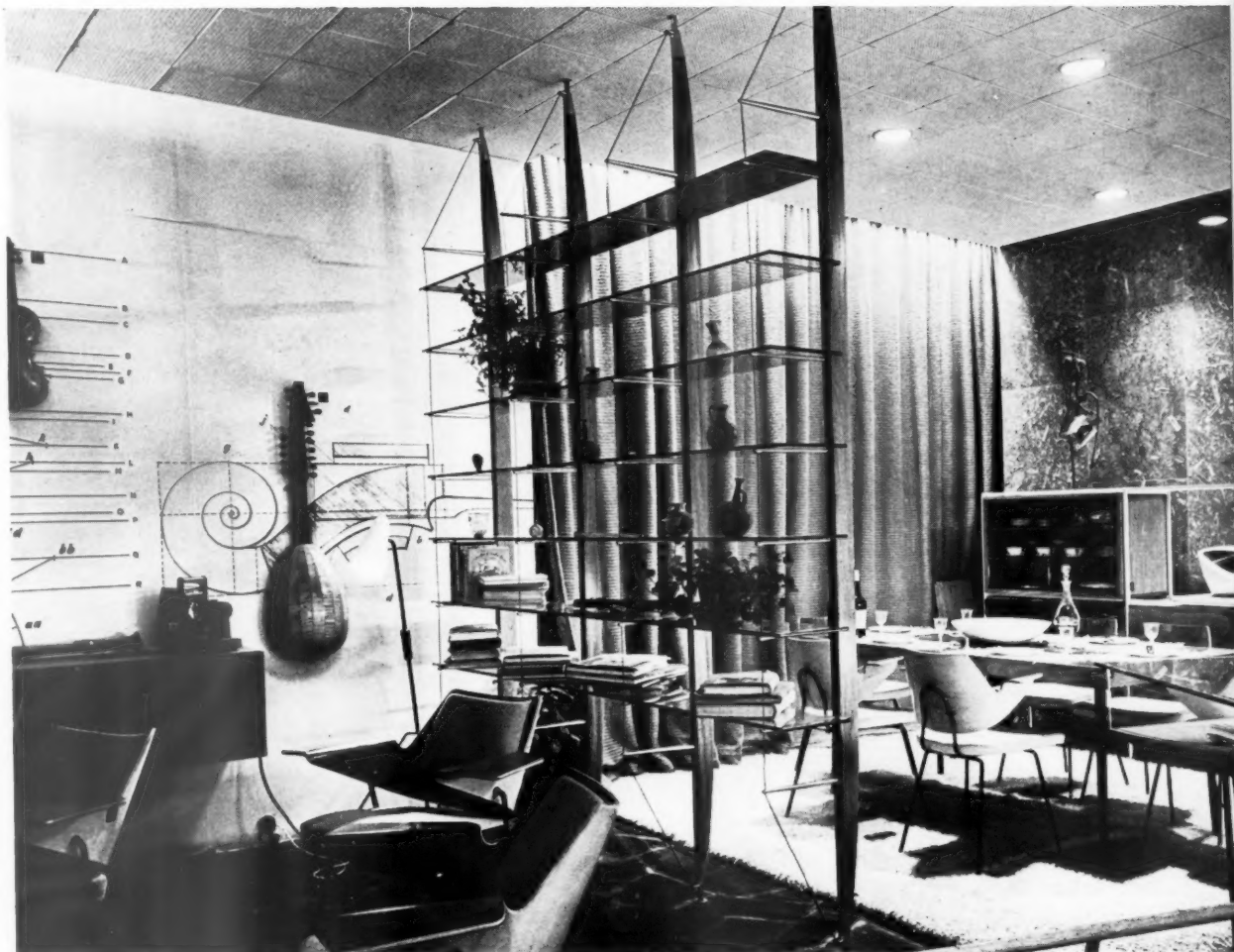
Design by M. Le Pelley and G. Subiotto. The east elevation.

WORKING DETAIL

FURNITURE AND FITTINGS : 9

GLASS SHELVES : HOMES AND GARDENS PAVILION, SOUTH BANK EXHIBITION

Robin Day, designer



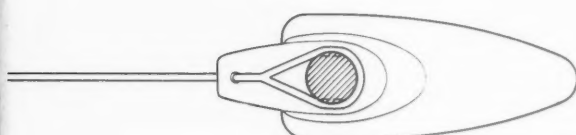
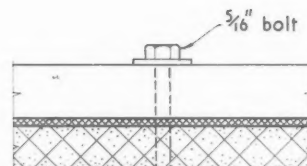
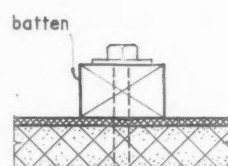
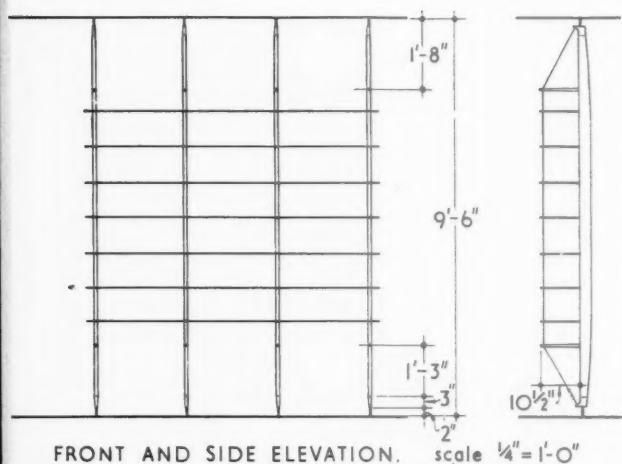
The glass shelves are supported on slender rubber-covered rods through the fronts of which are threaded fine brass cables to hold the shelves in position : the uprights are in Honduras mahogany.

WORKING DETAIL

FURNITURE AND FITTINGS : 9

GLASS SHELVES: HOMES AND GARDENS PAVILION, SOUTH BANK EXHIBITION

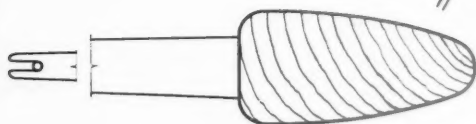
Robin Day, designer



A-A



B-B



C-C

SECTIONS THRO' COLUMN.
scale $\frac{1}{2}$ full sizeHonduras
mahogany
column

brass rod

 $\frac{3}{32}''$ brass
cable $\frac{5}{16}''$ polished plate
glass shelf

grub screw

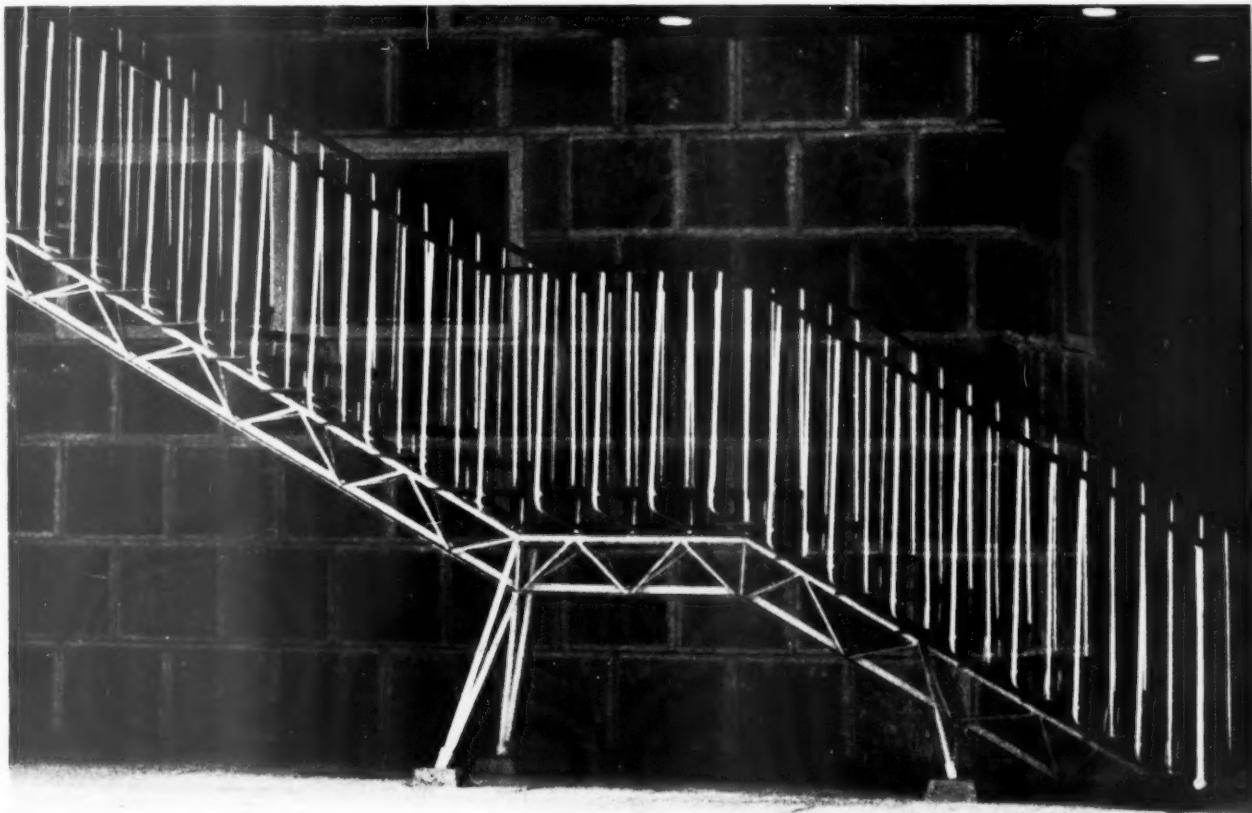
grey rubber
sleeve $\frac{1}{4}''$ brass
rodholes at
2" crs.mahogany
plugPART SIDE AND FRONT ELEVATION OF FITTING. scale $\frac{1}{4}$ full size

WORKING DETAIL

STAIRCASES : 5

STAIRCASE : POWER AND PRODUCTION PAVILION, SOUTH BANK EXHIBITION

G. Grenfell Baines in collaboration with H. J. Reifenberg, architects : F. J. Samuely, consulting engineer.

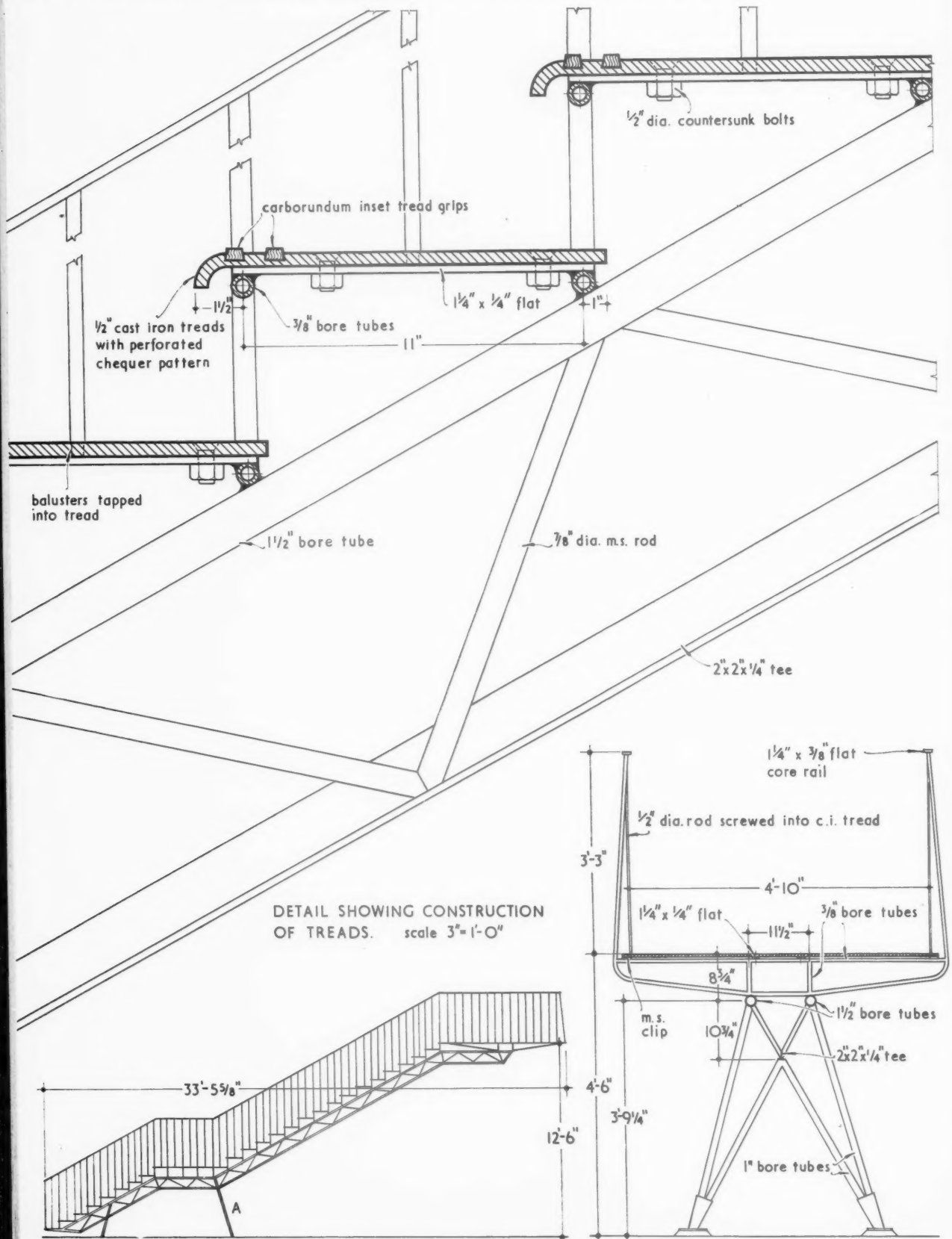


The stairway is supported on a central carriage beam of tubular steel and is of welded construction : the treads are in cast iron.

WORKING DETAIL**STAIRCASES : 5**

STAIRCASE: POWER AND PRODUCTION PAVILION, SOUTH BANK EXHIBITION

G. Grenfell Baines in collaboration with H. J. Reifenberg, architects : F. J. Samuely, consulting engineer.



ELEVATION OF STAIRCASE. scale 1/8" = 1'-0"

DETAIL OF SUPPORT AT A. scale 1/2" = 1'-0"

INFO
QUE
THE

This
is de
Hous
Bowe
look
This
the J
No.
articl
ing v
issue
view,
the F
for S

OU
BU

The
one o
ultima
reason
the gr
second
govern
British
master
inflati
These
is, in a
uncer
unplea
fident
meter
were
buyin
chaser
author
lesser
then
mater
declin
cotton
govern
some
establ
modif
is of
is no
the p
can b
some
small

INFORMATION CENTRE · INFORMATION SHEETS
 QUESTIONS AND ANSWERS · CURRENT TECHNIQUE
 THE INDUSTRY · PRICES · TECHNICAL ARTICLES

TECHNICAL SECTION

This week's Technical Section is devoted mainly to the subject of Housing. On this page, Prof. Bowen discusses the economic outlook for the building industry. This is followed by five reviews by the JOURNAL's Specialist Editor No. 8 (Planning); four on articles on different aspects of housing which appeared in the April issue of the Town Planning Review, and one on the supplement to the Housing Manual—"Housing for Special Purposes."

THE ECONOMIC OUTLOOK FOR THE BUILDING INDUSTRY

By Ian Bowen

The present general economic outlook is one of maximum uncertainty, and this is ultimately due to two different semi-political reasons. The first is the uncertainty as to the great issues of war and peace, and the second is derived from doubts how far governments (particularly the American and British Governments) have successfully mastered enough techniques to offset the inflationary consequences of rearmament. These are not just general platitudes; there is, in a special sense, an increase in economic uncertainty. Last year the outlook was unpleasant, but everyone was firmly confident which way the various economic barometers were pointing; inflation and shortages were widely anticipated, as evidenced by the buying sprees indulged in by many purchasers, from the American military authorities to the American (and to a lesser degree) British housewife. But since then there has been a distinct reaction. Raw material prices have passed their peak and declined. Markets for rubber, wool and cotton are weak, and it seems as though government, or inter-government support of some kind may be needed, and sought, to establish not ceiling prices for these commodities but floor prices. (For cotton, there is of course such support in America; wool is now under international discussion, and the present pressure on natural rubber prices can hardly continue much longer without some action being asked for to protect the small-scale producers).

The first and most obvious consequence for the building industry of this sudden change in the raw material price situation is that building materials prices are now moving out of line with raw materials prices generally. This is the first time since 1945 that such a wide discrepancy has occurred. The enormous rise in timber prices this year (the index for softwood is now 56 per cent. above the level for June, 1949) had already raised the Board of Trade index rapidly, and the effect of the latest sharp rise in steel prices will raise that index still more steeply. The year 1951 will thus see the index for building materials prices jump to an entirely new level at a time when wholesale prices generally are actually sagging.

A DIFFERENTIAL AGAINST BUILDING

The following speculation is hypothetical—but the hypothesis is one which for the first time since the war requires to be considered. Supposing that building prices moved upwards sharply in relation to other prices. Supposing, further, that most firms and individuals wishing to build thought that this discrepancy could not persist, but that either building materials prices would fall, or that all other prices (and hence incomes in other trades) would eventually rise. In such a situation there would arise the strongest possible motive to postpone any building operation that was not of the greatest urgency.

This situation has not yet arisen. But within the next six months either something very like it will have become established, or the general inflationary rise of prices all round will have been resumed. Herein lies the present uncertainty.

Building materials prices are not of course the only consideration. Building wages have also to be considered, and these seem likely to keep their present relative position in the scale of industrial wages, so that if there are any gains made elsewhere they will soon be matched in the building and civil engineering industries. The huge rises in softwood and steel prices are not likely to be offset by any relative fall in labour costs. Productivity in the industry seems to be rising still, but so is productivity in other industries.

There are no substantial compensations to be expected from the prices of materials other than steel and timber. While the home-produced items like cement, bricks, sand and gravel, concrete products, etc., were not subjected to the post-Korean war inflation of world raw-materials prices, there is little chance of their falling very much henceforth.

There does not seem to be a very strong hope that the special reasons affecting steel and timber prices will cease to operate. These materials receive some of the immediate impact of the rearmament demand, as well as of the export industries' requirements. American absorption of pulp seems inexhaustible, and, while a recession, however slight, might reverse the trend temporarily, at present there seems no likelihood that timber prices will be reduced.

CONSEQUENCES OF HIGHER PRICES FOR STEEL AND TIMBER

No calculations have yet been issued on the effects of higher timber and steel prices on the costs of new building; but clearly they spell the end either of the present subsidy levels, or of the present rent levels of local

authority housing. Of course, the rise will cause a swing away from new construction and towards repairs and maintenance. And then there may, if the situation persists, be a sufficient choking off of private building demand to cause under-employment of resources in any areas where Government demand is not very high. Already there is a marked difference in the unemployment situation in regions of relatively low demand, such as the North of England or Wales, and areas of high demand, like the Midlands and North Midlands.

These consequences are not necessarily going to be disastrous, so long, however, as they do not persist too long. A reduction of the inflationary pressure on building resources would enable essential Government works to proceed more efficiently, and existing housing, industrial, commercial and educational projects to be finished without delays and shortages. There would, in fact, be some greater use made of the price system—high prices would temporarily cut off a considerable potential demand from the market. But this would surely be operating to the social disadvantage if it went so far as to cause the re-building of city centres to be abandoned half-way, or the present much reduced housing programme to be still further cut. But if private building demand is sufficiently checked merely to allow some of the excess demand caused by re-armament to be worked off, no great harm will have been done.

THE FURTHER ECONOMIC OUTLOOK

America sets the pace nowadays for inflation and deflation to an increasing degree, since every year that country becomes a more important buyer and producer. One reason for the present check to the inflation is that America's immense productive resilience provided an unexpected increase in total real output of some 10 per cent. in a year. But, even so, America's leading economists do not believe that the whole of the huge additional military programmes for 1952 can be met out of increased output; they think that only about half of the extra requirements can be so met. The economists may, of course, still be too cautious. But they are fairly unanimous in forecasting increased and marked inflationary pressure by next spring. If this occurs then the raw material markets will again become firm—wool, cotton and other raw materials will resume their upward rise, and this will penetrate through to the clothing and household furnishings of Great Britain. But if the economists are wrong, or if there is any slackening in re-armament, there is no reason to suppose that prices generally will be very firm. Building costs will, therefore, be—relatively—quite extraordinarily high.

Nobody can really predict which of these developments is the more likely. They depend on decisions yet to be taken, by men whose behaviour is not even, in principle, predictable in the short run.

What is quite clear is that a sudden check to inflation—and a cutting-back of re-armament orders—would find the building industry in a vulnerable position, as indeed it would several other industries. If traders and individuals become at all economy minded the present high costs of building are going to weigh very heavily with them, and the very large industry might have to adjust itself at least to an end of the perpetual boom which has come to be thought of as the natural state of affairs. This would be the first consequence of any serious deflation in this country; although no doubt, after two or three years and a fall in building costs, there would be some measure of recovery.

The more likely future is, perhaps, that which is so widely predicted; in which case renewed inflation next spring will raise demand for other goods, and their prices, into line with building costs, and excess demand will continue, subject to official constraints.

A digest of current information prepared by independent specialists; printed so that readers may cut out items for filing and paste them up in classified order.

All the items this week deal with various aspects of housing, including the international housing problem, special housing needs and municipal housing.

INFORMATION CENTRE

6.30 planning : social and recreational HOUSING

The World-wide Housing Problem. Jacob L. Crane and Edward T. Paxton. (The Town Planning Review, April, 1951.)

Authoritative article containing new material compiled partly from voluntary reports sent to Washington from US Foreign Service posts.

The article considers first the problem as it occurs in the parts of the world where housing is, on the average, of a relatively high standard, i.e., USA, Canada, Great Britain and Europe.

USA

The problems are; how to continue, and if possible to improve upon, the present rate of building; to finance, by 1960, the building of 16-18 million homes without fostering inflation; to make a practical attack on slums and blighted urban areas, in spite of the depleted resources of most American cities, and to bring costs within the ability to pay of all the people who need re-housing.

Two causes of "The World-Wide Housing Problem." Top: a view of a slum in the USA, showing overcrowding and sub-standard conditions for which the only remedy is extensive slum clearance and re-development. Urban obsolescence and decay is at the root of one of the major housing problems of industrial countries. Right: war damage in Kiev; a view which reminds us of the tremendous task of clearing and rebuilding ruined towns. Extensive war destruction has added to the housing deficit in many countries.

CANADA

Canada has nearly doubled her pre-war and early post-war rates of housing construction. In 1948, 76,100 new permanent dwellings were completed. The shortage of building materials has been largely overcome, but the rapid growth has so burdened the budgets of Canadian cities that many cannot find the means for financing the roads, sewers, water supply, sidewalks and street lighting required.

GREAT BRITAIN

In the author's view, Great Britain had a pre-war construction record which should

be the envy of every country in Europe. The present position is briefly reviewed.

EUROPE

Europe's housing position is set out in a very comprehensive table. In reading this it should be borne in mind that a dwelling may mean a mansion, a cottage, a flat, an apartment, a shack or a thatched hut. In size it may range from the 1,250 to 1,500 feet super of most detached houses in USA and Canada, to about the 880 feet super of typical dwellings in Italy, France and Greece, the 700 to 750 feet super of those in Switzerland and Denmark, the 550 of Belgium and Sweden.



CATERING EQUIPMENT . . .



*we're designing
people — but —*

. . . our intentions are strictly honourable. Our designs are not upon you, but for you. For years we have specialised in the planning and equipping of industrial canteens and have consequently gained valuable experience concerning the particular problems and equipment necessary to ensure a successful canteen. We are always ready to give service and to co-operate with the Architect in the specialised planning and equipping of industrial feeding units. We supply everything from refrigeration plants to the smallest item of cutlery, crockery, linen, etc., and so with one equipment account the canteen can be handed over complete and ready for use.

A consultation will cost you nothing

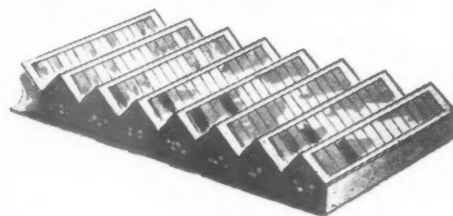
LOCKHART  EQUIPMENT
LIMITED
SPECIALIST CATERING EQUIPMENT ENGINEERS AND SUPPLIERS

LOCKHART EQUIPMENT LIMITED, 72 Berkeley Avenue, Reading • Telephone : Reading 4847 (4 lines)



IT'S COVERED !

A cynic once remarked that the more we invent, the more work we create. The registration of a successful patent usually ends up in an order for steelwork, and while "getting it covered" means one thing to the development engineer it means quite another to the production director. Fortunately for the latter, "covering" the process can safely be left to



RUBERY OWEN

for **STRUCTURAL STEEL**



Member of the

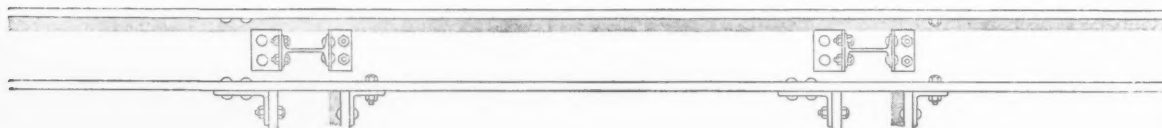
Owen Organisation

RUBERY, OWEN & CO. LTD., DARLASTON, SOUTH STAFFS.

LONDON, BIRMINGHAM, COVENTRY, GLASGOW, MANCHESTER, SOUTHAMPTON, WREXHAM, BRISTOL

Service and design bureaux for all structural steel requirements are established at the following centres :—

102-108, CLERKENWELL ROAD, LONDON, E.C.1.
LOMBARD HOUSE, GREAT CHARLES, STREET, BIRMINGHAM, 3.
BRITANNIA WORKS, PAYNES LANE, COVENTRY.
SUN BUILDINGS, OGLE ROAD, SOUTHAMPTON.



the 333 c
encounte

USSR

The bri
35 milli
people.
during th
3.5 milli
in the
211.4 mi
pletely a
about 3-
Space si
in the a
allowed
reduced
it was 39
closed is

AFRICA

Eighty-
Egypt liv
of Alexa
human l
that 125
miles of
Sahara a
the whol
housed.

ASIA AND

The sul
lation of
as shock
although
as bad.
ing units
Indonesia
and the
million
tive con
mosa th
presence
current
125,000
whereas
dwellings
lation gr
from terr
In the
in Israel
the Arab
enormous
After th
together
(an annu
log of 2
sub-stand

LATIN AM

The Pan
25 millio
to replac
the urban

SUMMARY

The aut
wide hou
not less
not inclu
the worl
population
(disaster.)
of this in
the organ
expanded
tional m
If the v
within a
"aided s
to far gr
form o
already
tries. It
by the
building
the help
vided ru
tion meth
tectural

the 333 of Austria, or the even smaller sizes encountered in Russia and the East.

USSR

The brief facts are that in 1939 Russia had 35 million dwellings for 194.4 million people. Four million dwellings were lost during the war years. By the end of 1947 3.5 million of these had been rebuilt but, in the meantime, the population had risen to 211.4 million. To regain war losses completely and to restore 1939 occupancy ratios about 3.5 million dwellings are required.

Space standards, however, are low. In 1939, in the average urban house, 43 sq. ft. was allowed per head. In 1943 the standard was reduced to 34 sq. ft. and at the end of 1944 it was 39, but the latest standard to be disclosed is 89 sq. ft.

AFRICA

Eighty-five per cent. of the population of Egypt lives either in the region of Cairo or of Alexandria, and lives in hovels unfit for human habitation. It has been estimated that 125 million live in the 8-10 million sq. miles of Africa lying between the eastern Sahara and the Union. Broadly speaking, the whole of this population should be rehoused.

ASIA AND THE PACIFIC

The sub-continent of India, with a population of 412 million, has a housing situation as shocking as to be found anywhere, although the position in China may be just as bad. During the war, 2½-3 million housing units were lost in Burma, Indo-China, Indonesia, British Malaya, North Borneo and the Philippines—countries where 140 million people are living under primitive conditions. In Hong-Kong and Formosa the problem is intensified by the presence of Chinese refugees. In Japan the current rate of new construction is about 125,000 houses and apartments a year, whereas Japan's need is for 3.7 million dwellings to make up for war damage, population growth and the return of nationals from territories formerly occupied by Japan.

In the Near East, immigrants are arriving in Israel faster than houses go up, and in the Arab states the refugee problems are enormous.

After the war Australia and New Zealand together had a shortage of 225,000 houses (an annual requirement of 46,000 and a backlog of 210,000 houses required to replace sub-standard housing).

LATIN AMERICA

The Pan-American Union has estimated that 25 million new houses would be required to replace slums and sub-standard houses in the urban and rural areas of Latin America.

SUMMARY

The authors estimate that the present worldwide housing deficit amounts to a total of not less than 80 million houses. (This does not include the 5 to 6 million a year that the world needs to shelter its increase of population and replace its losses from disaster.) In their view not more than half of this immense task can be carried out by the organized building industry (even an expanded building industry) or by traditional methods of finance.

If the world's housing needs are to be met within a measurable time, the principle of "aided self-help" will have to be developed to far greater extent than hitherto. In one form or another, "aided self-help" is already extensively practised in many countries. It may take the form of small loans by the government for the purchase of building materials, so that a man can, with the help of friends, build his own home, provided rudimentary instruction in construction methods is given or, as in Sweden, architectural advice is made available.

New housing in under-developed or non-industrialized countries. Top, rural dwellings in Macedonia, Greece. Centre, houses in the Philippines built by the People's Homesite and Housing Corporation. Bottom, a public housing estate in Ecuador, South America.



6.31 planning : social and recreational HOUSING

The Economics of Housing. Elizabeth Layton. (Town Planning Review, April, 1951.)

Mrs. Layton's thesis is that the post-war housing problem in this country will be over in 1951 and that the time is ripe for a drastic overhaul of the rent position and housing standards. She holds the present position to be untenable, because it is too costly and too inequitable. Mrs. Layton sets out five objectives for the next phase of the nation's housing policy.

First, every family should have a dwelling; a position, she maintains, which will just be reached by the end of 1951 (see table below).

Secondly, every family should have a fit dwelling. This involves slum clearance, about which nothing has been done since 1939.

Thirdly, rents should be such as people can afford to pay.

Fourthly, there should be a minimum burden on the public purse—that is, on the taxpayer and ratepayer.

Fifthly, it is necessary to achieve these objects quickly.

Roughly speaking, it is suggested that by the end of 1951 the war-time deficit of just under 1.5 million new dwellings will be about balanced by the post-war credit. It is true that the two sides of the table do not quite balance but Mrs. Layton considers it safe to assume that not all new families will require new accommodation but will be willing, for financial or other reasons, to go on living with relations.

The country is now faced with the pre-war problem of providing during the next ten, twenty, thirty or forty years, for the demolition and replacement of slums.

SLUM CLEARANCE

Building at the rate of more than 200,000 houses a year will be necessary up to 1965 to catch up on the replacement programme. During the 1930's over 350,000 houses a year were built. Mrs. Layton adds: "Up to 1939 the main weight of the nation's housing effort was directed towards adding to the total number of houses. The proportion of houses demolished and replaced was relatively small. But by 1939 the demand for new houses was showing signs of slackening off. If we are now moving into a phase where the emphasis will be on replacement, new rent problems will arise. Unless the old houses are actually pulled down as the new ones are built, old bad

A HOUSING BALANCE SHEET

Liabilities		Assets	
War-destroyed houses	470,000	New dwellings completed by Dec. 1950	
Wastage by conversion to offices, etc.	50,000*	Permanent houses	805,000
New families, 1939-1950	1,000,000*	Temporary houses	157,000
	1,520,000	Other war-damaged houses, repairs, conversions, etc.	290,000
		New houses to be built in 1951	1,252,000
			290,000
			1,452,000

* Estimates

UMBRAGEOUSNESS*

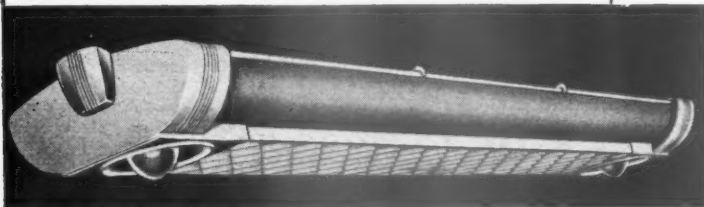
* The condition of being shaded

in a gown shop

**causes DISCONTENTED CUSTOMERS
TIRED ASSISTANTS • LOST SALES**

EVEN the most beautiful clothes look drab, dull and uninteresting when badly lit. Customers become difficult and salesgirls harassed. Over and over again it has been found that both shop and business brighten up when Philips fluorescent lighting is installed. Well-diffused, restful lighting enhances the appearance of any shop or showroom, shows off goods at their best, and increases customer satisfaction and goodwill.

The "Alva" fitting uses two 40 W. 4 ft. Philips "Instant-Self-Start" fluorescent lamps and two tungsten ballast lamps: Other fittings suitable for shops are "Arundel" and "Abingdon".



Consult



PHILIPS ELECTRICAL LIMITED

on all lighting problems

LIGHT GROUP, CENTURY HOUSE, SHAFTESBURY AVENUE, LONDON, W.C.2
MAKERS OF: RADIO & TELEVISION RECEIVERS • "PHILISHAVE" ELECTRIC
DRY SHAVERS, ETC.

(LD 902)

PLAN WITH ESAVIAN DATASHEETS

Specially prepared for Architects, this new folder contains eleven Datasheets showing various applications of Esavian sliding and folding doors, etc. Each type is illustrated by a detail drawing, specification and photograph. If you have not yet received your folder—or require extra copies—please write to

**ESAVIAN
LIMITED**

THE **ESAVIAN** PRINCIPLE
FOR DOORS, WINDOWS, PARTITIONS & FOLDING SCREENS

ESAVIAN HOUSE, 181, HIGH HOLBORN, W.C.1. TEL: HOLborn 9116. 101 WELLINGTON STREET, GLASGOW, C.2. TEL: CENTral 2369

houses at
with new

COSTS AND
According
of a thr
cluding 1
£1,500 an
costs ove
under
wherebu
economic
heavy tha
to afford
who can
rent is n
the new

SPEED
It is use
in 1965
to be bro
Today 2
ing new
the repai
221,000
agricultu
see more
Speed m
incentive
extravaga

CONCLUS
In place
be charg
to the t
that mea
in Austr
remember
Council
deal of
The pr
authoriti
be revise
pose of
fold: it
some of
bring ba
the prob
would h
resources
relatively
houses w
Non-co
1939 an
modifica
may be
consider
reduce t
Some r
to come
properly
perfectly
elaborat
these, a
the nati

6.32 p
HOUSI
Housing
to the
(HMSO)
Report
Commis
Commis
ence. 4
photog
The r
of old
worker
conside
housing
wives,
income
It is
conside
all mer

houses at a low rent will exist side by side with new good houses at a high rent."

COSTS AND RENTS

According to Mrs. Layton the average cost of a three-bedroom house in England, including land and site preparation, is over £1,500 and that in Scotland a similar house costs over £1,700. Her argument is that under the existing rent arrangements, whereby a tenant may pay under half the economic rent, the burden of subsidies is so heavy that local authorities will not be able to afford to go on building. But the tenant who can afford to pay the high economic rent is not usually the tenant for whom the new council houses are intended.

SPEED

It is useless to promise fine council houses in 1965 if, in the meantime, children have to be brought up in a slum.

Today 227,000 men are employed on building new houses, a rather larger number on the repair and maintenance of houses, and 221,000 on all industrial, commercial and agricultural building. We cannot hope to see more men put on to house building. Speed must be gained by standardization, incentive schemes, and the elimination of extravagant design and equipment.

CONCLUSIONS

In place of subsidies, economic rents could be charged and rebates allowed according to the tenant's means. It is pointed out that means tests are accepted without demur in Australia and the USA. But, it may be remembered that when the Westminster City Council proposed such a scheme a great deal of opposition developed.

The proportion of houses built by local authorities and by private enterprise could be revised in favour of the latter. The purpose of such a relaxation would be two-fold: it would relieve local authorities of some of their financial burdens and it might bring back a more competitive element into the problem of building costs. Safeguards would have to be devised to ensure that resources were not concentrated on a relatively few expensive houses and that houses were built of adequate quality.

Non-council rents have not altered since 1939 and, in some cases, longer. Some modification of the Rent Restriction Acts may be desirable. Apart from any other consideration, an increase in rent would reduce under-occupancy.

Some reduction in space standards is bound to come. A house of about 850 sq. ft., if properly warmed and well designed, can be perfectly satisfactory. As to some of the elaborate fittings, space could be left for these, and they could be added later when the nation, or the tenant, could afford them.

The four photographs below and the one on page 267 show five stages in the development of municipal housing in Liverpool. Below left, St. Martin's Cottages, completed in 1869—the first municipal housing scheme undertaken in the city. Below right, artisans' and labourers' dwellings, Victoria Sq., completed in 1885. Centre, flats in Holly St., completed in 1914—typical of the type of reconstruction scheme which took place in the city just before the first world war. Bottom, Myrtle Gardens—five-storey walk-up flats—one of the many slum-clearance schemes of the 1930's.



6.32 planning: social and recreational

HOUSING

Housing for Special Purposes. Supplement to the Housing Manual 1949, MOLGP. (HMSO 2s. 1951.)

Report of the Housing Manual Subcommittee of the Central Housing Advisory Committee under extended terms of reference. 42 pp., illustrated by drawings and photographs.

The report deals mainly with the housing of old people; the housing needs of single workers, students and apprentices, and also considers dwellings for disabled persons, housing needs of district nurses and midwives, and houses for persons in the higher income groups.

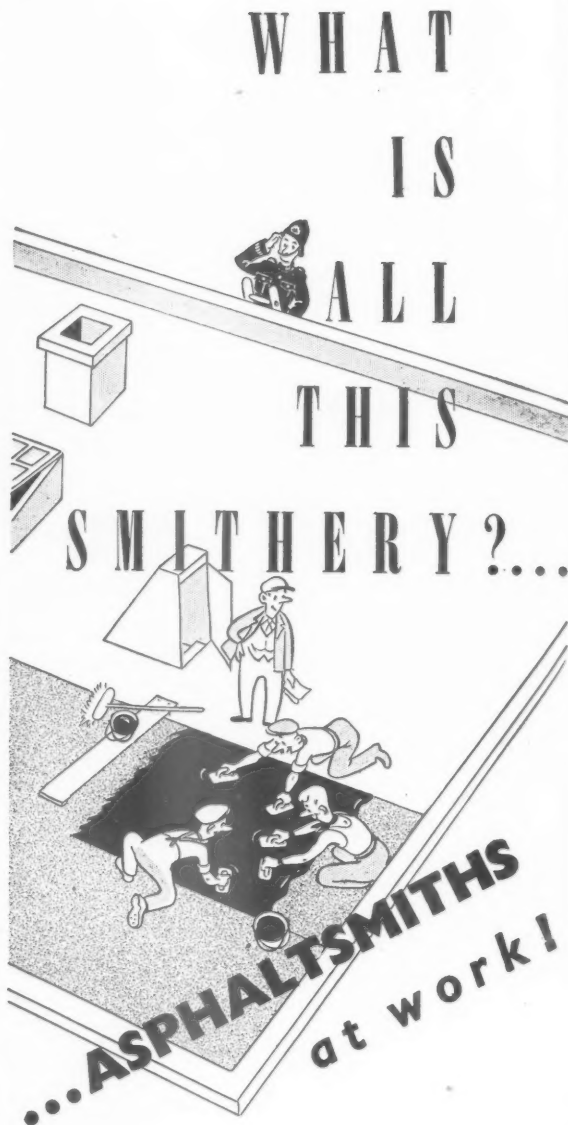
It is now the duty of local authorities to consider the housing conditions and needs of all members of the community within their

WILLIAM MALLINSON & SONS LTD

*Timber
Veneers
Plywood*

130-150 HACKNEY ROAD
· LONDON · E.2

TELEPHONES · SHOREDITCH 8888-8811



Asphalt roofing and tanking... industrial and coloured asphalt flooring... built-up felt roofing... to any specification.

Smiths get on with it!

H.V. SMITH & CO. LTD

ASPHALTSMITHS — EASY TO REMEMBER!

Head Office: 54 Victoria Street, Westminster, S.W.1
*Phone: VICToria 4575. *Grams: TRENCHES, SOWEST, LONDON

Progress in municipal housing. Three-storey "walk-up flats" of the type now being built throughout the central areas of Liverpool, on sites cleared either as a result of slum clearance operations or of the "blitz."



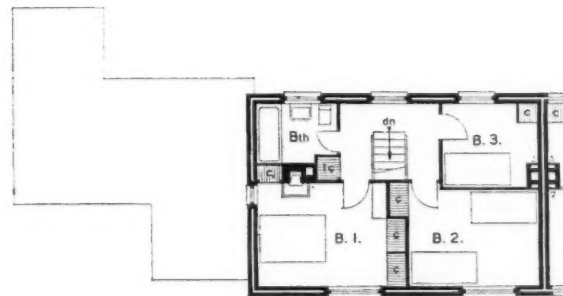
area and they are expected to provide on their estates accommodation of any kind that is required for forming a balanced community, including large houses for members of upper income groups.

A good deal of sound information, which it is useful to have under one cover, is assembled in this supplement to the Housing Manual. Special attention has been given to the design of hostels.

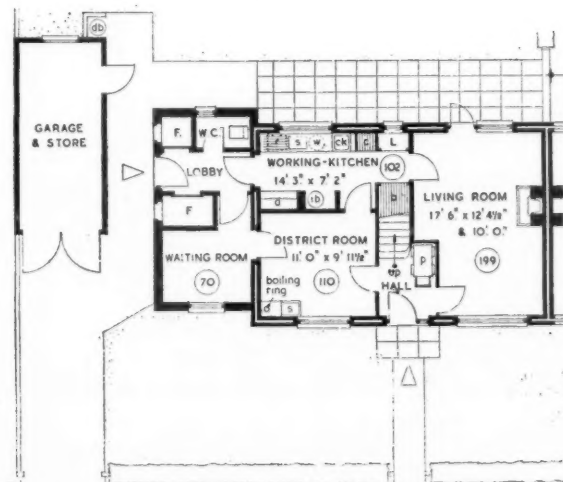
OLD PEOPLE

The 1949 Housing Manual contained recommendations on space standards, types of fittings and details of design for one- or two-storey self-contained cottages. This report contains additional recommendations in the latter field and also on a simpler type of living quarters which can be provided in hostels. The first of the additional recom-

Housing for Special Purposes. Right, house for district nurse or midwife, convertible to normal family dwelling. Below, a dwelling for a disabled person—a bungalow at Kyles Green, Watford, designed by Norman and Dawbarn.



FIRST FLOOR PLAN



GROUND FLOOR PLAN



Three distinctive finishes in the—

PAMMEL
GROUP

which have one thing in common—quality

PAMMEL

THE PERFECT ENAMEL FINISH

• for Outside and Inside use

PAMMELETTE

EGGSHELL FINISH OF SUPERIOR QUALITY

for all Interior surfaces

PAMMATT

SUPERFINE QUALITY FLAT ENAMEL

for Interior Walls, Ceilings and Woodwork

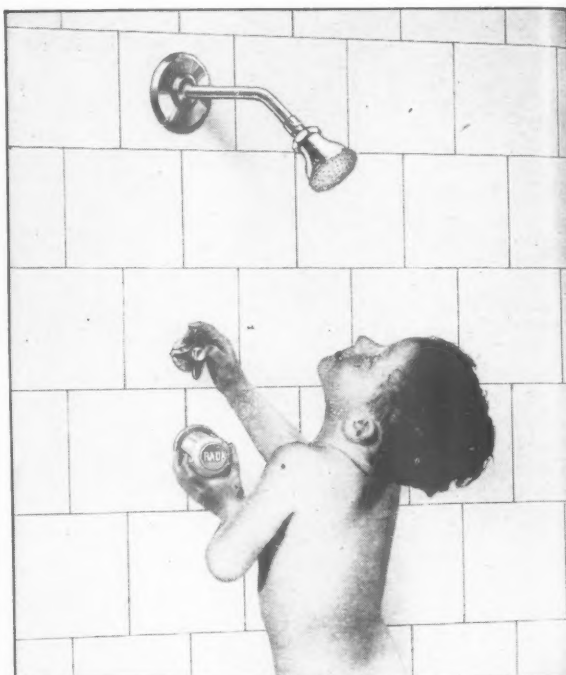


BLUNDELL, SPENCE & Co. LTD.

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

and at WEST BROMWICH, NEWCASTLE, BOMBAY and SYDNEY

ASSOCIATED COMPANY AT VALPARAISO.



Shower Baths should be fitted with the new

Leonard
REGISTERED

RADA THERMOSTATIC SHOWER VALVE

for safe, steady temperature control

The RADA Shower Valve keeps the temperature of the shower steady, preventing those sudden changes from hot to cold and back again which are so often uncomfortable, and even dangerous. The user chooses the temperature simply by moving the control knob, and cold, warm or hot water can be instantly obtained. A hidden "stop" prevents too high a temperature being used, making it safe for children and old people.

Write for Pamphlet RD/2

WALKER CROSWELLER & CO
LTD
CHELTENHAM

Phone : Cheltenham 5172

London : Holborn 2986

mendat
a solid-
water, a
should
second,
desirabl
to prov
proper
etc., dra
dows u
sills. W
outward
side in
mendati
of gard
The do
detail.
appendi
The Re
person
they sh
in some
A cor
old peo
among
cottage
commu
finally,
SINGLE
APPREN
The g
the nee
live al
among
The s
mended
not diff
for old
standar
a loca
hostel
A disti
needs
single
the lat
able, v
could
DISABL
These
among
are pr
suitabl
(appro
a thir
The dw
wheel-
hall sp
etc. N
are lis
DISTR
A no
adjustr
tion fo
visiting
sugges
meet t
but wh
ted ea
HIGHE
Loca
within
sq. ft.
pointe

recommendations states that apart from the use of a solid-fuel back boiler for providing hot water, an auxiliary means of water heating should be provided where possible. The second, that a coal fire in a bedroom is desirable. The third, that care must be taken to provide adequate protection from fire, proper fixings for handrails, and balusters, etc., draught proof and easily opened windows and, wherever possible low window sills. W.c. and bathroom doors should open outwards or be made to open from the outside in case of an emergency. Recommendations are made also on the provision of gardens and allotments.

The design of hostels is considered in some detail. Space standards are set out in an appendix and are illustrated by type plans. The Report stresses the need for each single person to have a separate bed-sitting room; they should not have to share as suggested in some quarters.

A complete range of accommodation for old people should include dwellings dispersed among ordinary houses, groups of up to 20 cottages, where some supervision and a community room could be provided and, finally, hostels.

SINGLE WORKERS, STUDENTS AND APPRENTICES

The general view is that hostels best meet the needs of the large number of people who live alone or are away at work and are not among the higher wage-earners.

The standards of accommodation recommended are set out in an appendix; they do not differ materially from those recommended for old persons. The existence of common standards, the report suggests, will enable a local authority to alter the use of the hostel from one sort of tenant to another. A distinction is drawn, however, between the needs of the student or apprentice, and the single person in settled employment; for the latter a 140 sq. ft. bed-rooming is desirable, whereas for the former the minimum could be reduced to 108 sq. ft.

DISABLED PERSONS

These dwellings should also be sited amongst normal family dwellings. Bungalows are preferable to two-storey dwellings. A suitable design would include a living-room (approx. 200 sq. ft.), two double bedrooms, a third bedroom, bathroom, kitchen, etc. The dwellings must provide for the use of a wheel-chair, e.g., ramps in place of steps, hall space 5 ft. 3 in. wide, wide doorways, etc. Nine recommendations of this nature are listed.

DISTRICT NURSES AND MIDWIVES

A normal house plan requires very little adjustment to provide suitable accommodation for the district nurse, her family and visiting patients. The best solution, it is suggested, is to design a house which will meet the needs of a district nurse or midwife, but which, at the same time, can be converted easily into a normal family dwelling.

HIGHER INCOME GROUPS

Local authorities are recommended to keep within the current general limitation of 1,500 sq. ft. superficial area for houses, but it is pointed out that larger houses can be built

for doctors, or other professional men, who require an additional room or rooms for professional purposes.

Standards recommended are:

3 bedrooms ...	950 to 1,300 sq. ft.
4 bedrooms ...	1,200 to 1,500 sq. ft.

6.33 planning : social and recreational HOUSING

The Technique of Municipal Housing in England. Ronald Bradbury. (The Town Planning Review, April, 1951.)

A long and interesting description based on experiences in Liverpool, where the housing authority has pioneered in many fields, and an account of development of public housing over the last century, including an outline of current procedure.

6.34 planning : social and recreational HOUSING

Housing Medal Awards, 1950. J. H. Forshaw (The Town Planning Review, April, 1951.)

Article complementary to that of Gordon Stephenson in the A.J. Dec. 21, 1950. Includes a plea for more economy in road layout, criticism of the startling amount of public open space which is made up of odd corners, verges and "islands," and of the continued "suburban" attitude towards layout.

ENQUIRY FORM

I am interested in the following advertisements appearing in this issue of "The Architects' Journal." (BLOCK LETTERS, and list in alphabetical order of manufacturers names please).

Please ask manufacturers to send further particulars to:—

NAME

PROFESSION or TRADE

ADDRESS

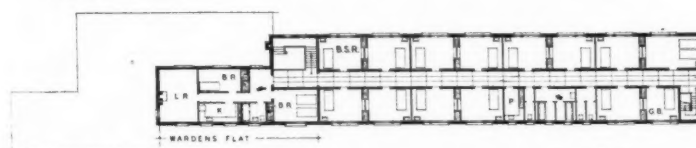
A.J. 30.8.51



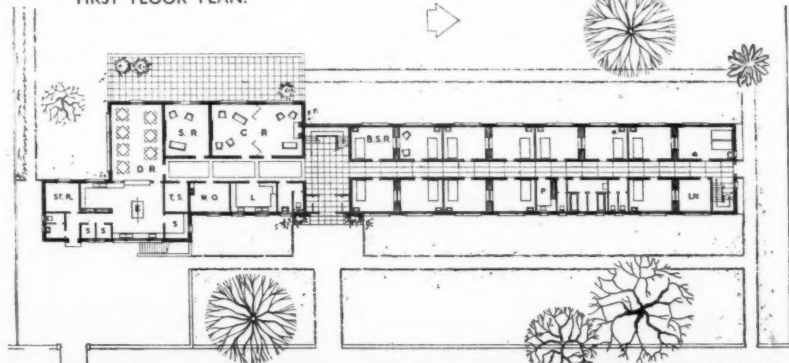
EAST ELEVATION.



WEST ELEVATION.



FIRST FLOOR PLAN.



GROUND FLOOR PLAN.

SCALE 0 10 20 30 40 50 FEET

Housing for Special Purposes. Hostel for able-bodied people. A design prepared to illustrate the recommendations of the Committee. The scheme provides for 28 persons in 24 single rooms (each 140 sq. ft.) and 2 double rooms (each 180 sq. ft.).

Announcements

Dorian H. S. Prince, A.R.I.B.A., of Lionel H. Fewster & Partners, 22 Conduit Street, London, W.1, and 6, Liverpool Terrace, Worthing, has now left the Partnership on his appointment to the Architectural Staff of the Ministry of Works of the New Zealand Government. His new address is c/o, The National Bank of New Zealand, 182, Featherston Street, Wellington, New Zealand.

Finmar Ltd. have an agency for light fittings by Arteluce of Milan. The first models can be seen at the showrooms of Finmar Ltd., 14, Holbein Place, Sloane Square, S.W.1.

The British Plastics Federation has set up a small panel of publicity experts for the purpose of offering services to the Press on all matters relating to the plastics industry in Great Britain. Mr. W. M. York, of E. K. Cole Ltd., is the new Chairman of the Publicity Committee in succession to Mr. C. C. Last, Bakelite Ltd., who has held this office for the past 15 years. The other members of the Publicity Committee are as follows: Mr. D. H. Balfry, Mr. P. A. Delafield, Mr. C. S. Dingley, Mr. M. W. Jude, Mr. H. H. Lusty, Mr. C. F. Merriam, Mr. L. E. Room, Mr. P. I. Smith, Mr. S. B. Turner.

All enquiries relating to plastics are welcomed and should, in the first place, be sent to the General Manager of the British Plastics Federation, 47/48, Piccadilly, London, W.1. Telephone REGent 4681.

The Belfast Branch of Cellon Ltd. has now removed to more commodious premises at 1-17, Galway Street, College Square North, Belfast. Telephone Belfast 25194. The additional space available will enable them to carry increased stocks of their Cerric Industrial Finishes, Cerric Wood Lacquers, Cerrux Decorative Paints, etc.

The first annual issue of the Register of Lighting Engineers has recently been published by the Illuminating Engineering Society. Those requiring the services of a qualified lighting engineer may obtain a copy of the Register on application to the IES, 32, Victoria Street, London, S.W.1.

Suffolk Group wishes to announce that Mr. Felix Walter, F.R.I.B.A., resigned from the partnership on January 31, 1951, and his temporary address is Hazeldene, Melton, Woodbridge, Suffolk (Tel.: Woodbridge 663). By mutual arrangement between the remaining partners, a dissolution of the practice took place on April 30, 1951.

From May 1, Mr. Eric Sandon, A.R.I.B.A., has been in partnership with Mr. Douglas Harding, A.R.I.B.A., and they are conducting their practice under the name of Sandon & Harding, A/R.I.B.A., Chartered Architects, from Commercial Union Buildings, Princes Street, Ipswich, Suffolk (Tel.: Ipswich 55681). From the same date Mr. Peter Berner, A.R.I.B.A., A.M.T.P.I., has been in practice on his own account at 32, Cumberland Street, Woodbridge, Suffolk (Tel.: Woodbridge 641). Trade data will be welcomed by both practices.

James de Holden Stone, F.S.I.A., and Warnett Kennedy & Associates are now collaborating on the exhibition and display side of their practices.

Warnett Kennedy & Associates, Architects and Design Consultants, have opened an office at Waterloo Chambers, 19, Waterloo Street, Glasgow, C.2, in addition to their London office at 67, Upper Berkeley Street, W.1.

Trade associations and firms who have evidence of special circumstances in their industries which they would like the Government to consider before introducing the proposed legislation on resale price maintenance are being asked to write to the BOT. Paragraph 43 of the White Paper on resale price main-

tenance (Cmd. 8274 published June 19, 1951) stated: "Generally speaking the Government considers that this legislation should have effect over the whole of industry and trade; but in drafting the legislation the Government will take account of any cases where it may be established that exceptional conditions would render the operation of the proposed provisions unworkable or undesirable in the public interest." Speaking in London on the same day the President of the BOT indicated that before finally drawing up the legislation the Board would consult with trade associations regarding the application of the general policy announced in the White Paper to particular trades and that any special circumstances which the associations might wish to bring to the notice of the Board would be considered.

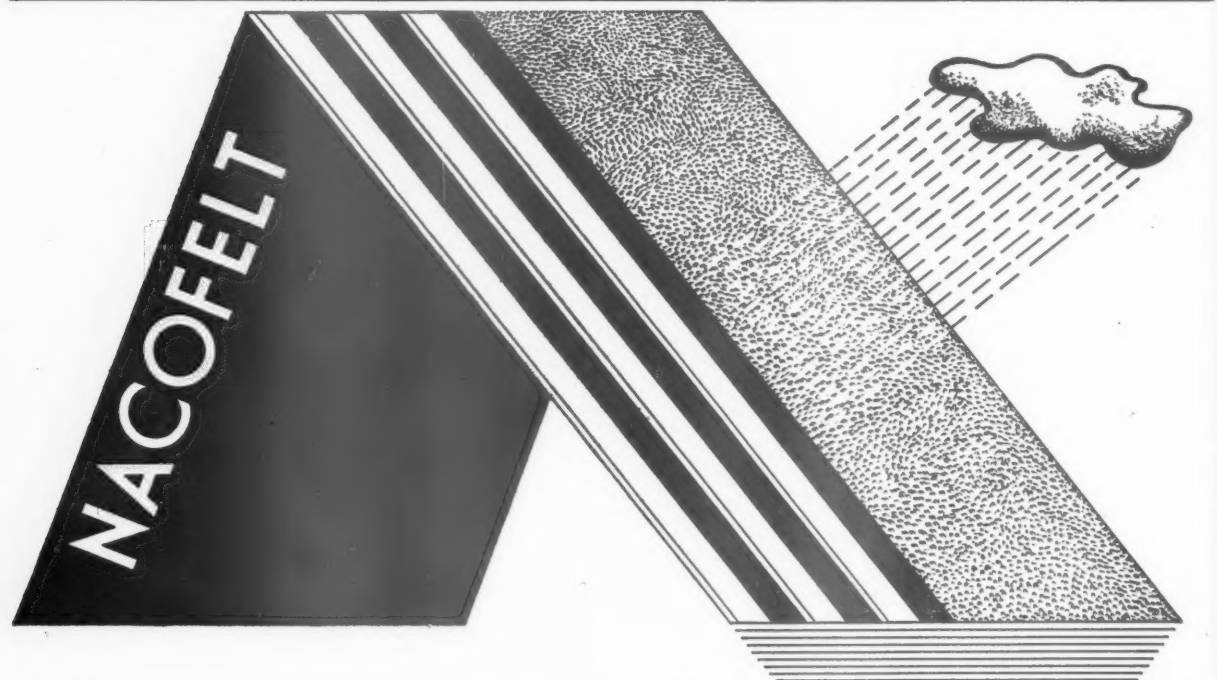
Corrections

The ceiling of the redesigned interior at Charing Cross Station was the work of Anderson Construction, Ltd., and not C. F. Anderson & Son, as stated in the JOURNAL on August 9.

The name of Semtex, Ltd., should have been included in the sub-contractors' list for the Exhibition of Industrial Power, at Kelvin Hall, Glasgow, published in the JOURNAL on August 9.

Messrs. T. Dryden, Ltd., of Swansea, were mistakenly confused with the North of England School Furnishing Co., Ltd., in the sub-contractors' list for the Abbey Steel Works, Margam, in the JOURNAL on August 16.

In the official notification of the prize winners of the proposed Marine and Technical College, South Shields, the name of Michael R. Crux should have been coupled with C. W. H. Wright, as joint winner of the second prize.



Built-up Roofings by

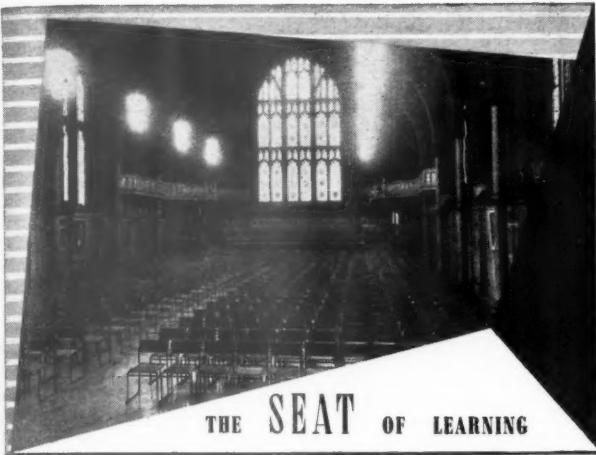
Strictly according to British Standard Specifications

Tel. No: Victoria 9982

THE NEUCHATEL ASPHALTE CO. LTD., 58 VICTORIA ST., S.W.1.

NEUCHATEL

Glasgow, Edinburgh, Manchester, Newcastle, Birmingham, Portsmouth, Plymouth, From



THE SEAT OF LEARNING



Whittle tubular steel stacking chairs are here seen in a renowned 'Seat of Learning' — the Whitworth Hall of the University of Manchester. The comfort afforded by their design, which is covered by patent No. 494774, illustrates their usefulness in the pursuit of learning, and it can truly be said that Whittle stacking chairs pass every examination with distinction.

Whittle

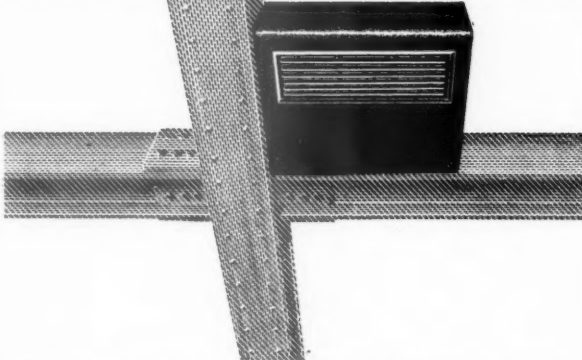
We also manufacture and design
Tubular Steel Chairs, Tables, Furni-
ture and Equipment for Schools, Halls,
and all Public Buildings. Suppliers
to the leading Educational and Public
Authorities throughout the World.

Telephone: ECCLES 1607

R. W. WHITTLE LTD.
P.V. WORKS, MONTON, ECCLES, MANCHESTER.

the
most
efficient

SPACE HEATING



Specify THERMOVENT for trouble-free and efficient convected heat without fans of any kind! Patented ducting ejects the warmed air forward and casings remain cool so that inset models can be used without fear of wall-blackening. Inset and Floor Standing models, with or without in-built thermostats, are available for all domestic, public and business premises.

FOR LOCALISED HEAT—specify Thermotubes

Thermovent
ELECTRIC SPACE HEATING

The Thermovent
Technical Advi-
sory Service will
be pleased to assist
in the planning and
testing of space heat-
ing equipment for
buildings of all kinds.
Write for details.

E. K. COLE LTD · 5 VIGO STREET · LONDON W.1

li



**The ideal
surfacing
material
for**

**Canteen
equipment**

Table-tops

**Laboratory
benches**

**Bar
counters**

**Wall
surfaces**

etc, etc

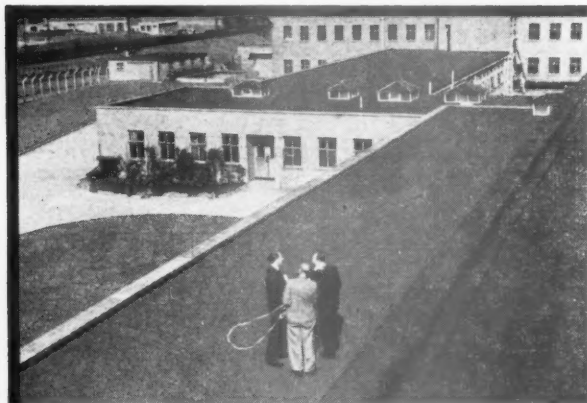
**Excellent
delivery**

from stock

WILLIAM EVANS
AND COMPANY (DISTRIBUTORS) LIMITED

52, STANLEY STREET
LIVERPOOL 1

Telephone: CENTRAL 5171/2/3
Telegrams: WEVDOK, LIVERPOOL



A typical factory roof
at Aberdeen, where
PALABORA
Vermiculite was used.

Palabora EXFOLIATED **VERMICULITE** INSULATION AGGREGATE

Efficient • Practical • Lightweight • Permanent

Palabora VERMICULITE AGGREGATE

- for ● Insulating, lightweight roof and floor screeds from 22 lbs. cu. ft. and "K" value 0.60.
- Loose-fill insulation over ceilings between floors in partitions.
- Easy-to-apply, lightweight, insulating, fireproof plaster.

EXFOLIATORS (VERMICULITE) LIMITED
21, BROADWATER RD., WELWYN GARDEN CITY
Welwyn Garden 4234



Mr. Sorry's a bit ashamed of himself for not taking care of that joinery. For the Ghost of Decay has got in—before the house is even finished. What a pity he'd never thought about Cuprinol. It would have saved so much future trouble for the owners and occupiers of the houses he's building now. Treatment with Cuprinol, before building in, will last the lifetime of the house—once in the wood it's there for good. Cuprinol Fungicides and Insecticides are manufactured by Cuprinol Ltd., London.

a case for CUPRINOL

Send for descriptive booklet 'Enemies of Timber'

JENSON & NICHOLSON LTD.
Dept. C Jenson House, Carpenter's Road, London, E.15
Sole Distributors for the United Kingdom.

Ozalid

Reg.T.M.

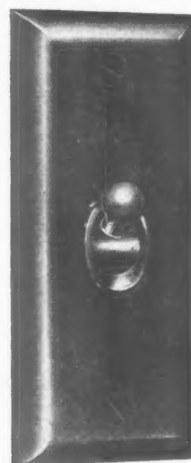
**EVERYTHING
FOR THE
DRAWING OFFICE
& PRINT ROOM**

Send trade card or letterhead for
Illustrated Catalogue

OZALID COMPANY LIMITED
62, London Wall, London, E.C.2.
Telephone: MONarch 9321 (6 lines)
Branches and Agency Stockists throughout the
U.K. and Eire.

Switches of Character

AND FAULTLESS PERFORMANCE



No. 101
'Architrave'
Type

NEW DAY

ELECTRICAL ACCESSORIES LTD.

136-8 Mary Street, Birmingham, 12. Tel: Calthorpe 2621

"A.B.S."

House Purchase Loans ALTERNATIVE SCHEMES

1. Normal Advance: 80 per cent of Valuation.
Interest: 4 per cent gross. Borrower pays Survey
Fee and Legal Costs, totalling 1 per cent of loan.

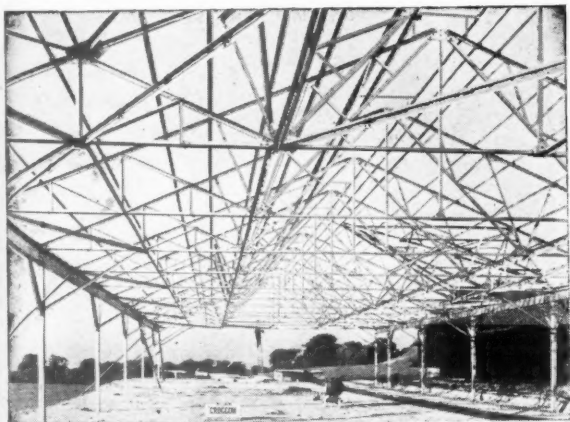
2. Normal Advance: 85 per cent of Valuation.
Interest: 4½ per cent gross. (Office pays Survey
Fee and own Legal Charges.)

Repayment by means of an Endowment Assurance
term not exceeding 25 years under (1) or 30 years
under (2).

Houses in Course of Erection

Advance increased to 90 per cent of the controlled
selling price.

Particulars from: **The Secretary, A.B.S.**
Insurance Department, 66, Portland Place,
London, W.1. (Telephone: LANgham 5721.)



STRUCTURAL STEELWORK

for Industrial or Agricultural
Buildings

CROGGON

& Co. Ltd.

30, UPPER THAMES ST., LONDON, E.C.4
Central 4381/8 Works: Colnbrook

ESTD.

1836

THE ARCHITECTS' JOURNAL for August 30, 1951
Featuring **MELLITOL** ConcreteWaterproofers
and **PROVER II** for new and old FLOORS



VALE OF LEVEN ESTATES. Base concrete floors waterproofed with **EVODE MELLITOL** incorporated in the mix and granolithic finish hardened and dustproofed with **EVODE PROVER II** Surface Treatment. Consulting Architects: Messrs. Wylie, Shanks & Wylie, Glasgow. Co-ordinating Surveyors: Messrs. James Barr & Son, Glasgow. Contractor: Messrs. W. & J. R. Watson, Ltd., Edinburgh. Published by courtesy of Scottish Industrial Estates Ltd.

● **MELLITOL CEMENT WATERPROOFER** for Concrete, Cement Renderings and Pre-cast Stone. Specially designed to meet your waterproofing problems. Minimises Cracking and Cracking in bulk concrete. Only 1 lb. "MELLITOL" required to 100 lbs. of cement—no special mixing. **EVODE "MELLITOL"** is an established waterproofer by **PATENT RIGHTS**. Severe tests over a period of years in many countries have established its efficiency. Use "MELLITOL" and cut the cost of waterproofing by half.

● **PROVER II** Crystals protect and preserve Old and New Floors—the effective hardening treatment for cement surfaces, concrete and granolithic floors. Eliminates dusting and resists the erosive action of oils, acids, etc. **EVODE PROVER II** Crystals have a silica base—scientifically prepared to obtain the maximum chemical reaction on the soft particles of concrete and transforming them into hard flint-like compounds. The result is a permanent, hard-wearing, dustless floor. Does not contain Silicate of Soda.

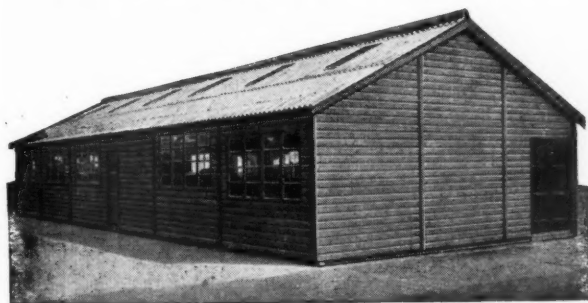
EVODE LTD., Glover Street, Stafford

Tel: 1590/1/2.

Grams: EVODE

HALL WIDE SPAN BUILDINGS

For CANTEENS • STAFF RECREATION
ROOMS • WORKSHOPS for LIGHT WORK



Hall's are renowned for their timber buildings not only as manufacturers but as prime designers and pioneers. Your needs receive the personal attention of those responsible for the high Hall standard and any building purchased is backed by the reputation, skill, and integrity of Halls of Paddock Wood. Building for Industry, Education, Sport, Municipal or Constructional needs. Site offices and Contractors' Huts also supplied. **NO MATERIAL LICENCES NEEDED.**

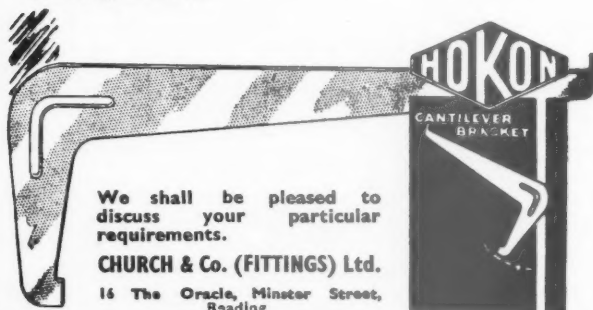
Let us quote you for your requirements, write.

HALL'S Dep. A.J. **PADDOCK WOOD**
TONBRIDGE KENT



STORAGE SHELVES adjusted to requirements— IN SECONDS !

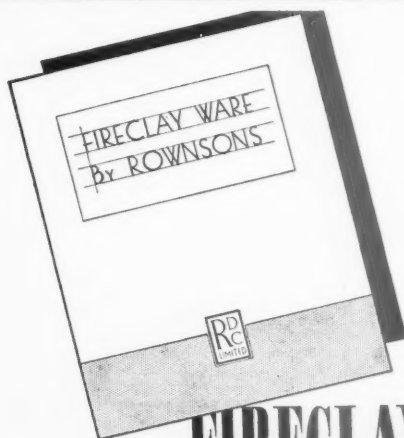
Hokon Cantilever Brackets are the perfect space-savers for warehouses, factories, offices, libraries and department stores. Made from light alloy, these sturdy, light-weight brackets are supplied in both commercial and high-grade finishes in sizes 6in., 9in., 12in., 15in. and 18in. The Brackets can be inserted in the supporting columns at various heights in a matter of seconds. They are perfectly safe, hard wearing and look attractive and tidy. Just insert the top anchor hook, depress the bracket and it locks itself! Brackets and support are non-corrosive and will take either wood or glass shelves.



We shall be pleased to discuss your particular requirements.

CHURCH & Co. (FITTINGS) Ltd.

16 The Oracle, Minster Street, Reading



*Write
for
our*

FIRECLAY WARE CATALOGUE

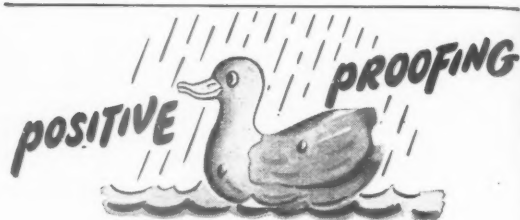
- ▶ **BASINS**
- ▶ **BATHS**
- ▶ **TROUGHS**
- ▶ **FOUNTAINS, WCs. Etc.**

ROWNSON DREW & CLYDESDALE LTD

Established 1819

Telephone: Waterloo 6321-6

225 UPPER THAMES STREET, LONDON, E.C.4



AGAINST DAMP & SEEPAGE
with

AQUELLA



- ★ AQUELLA makes porous surfaces damp-proof.
- ★ AQUELLA was the material that kept the Maginot Line dry internally.
- ★ AQUELLA positively damp-proofs wet Basements, Interiors of Pools, and Outside Walls, where stucco is used.

Send a postcard to-day for the AQUELLA folder.

Sole Distributors for Great Britain

A.D. FOULKES LTD

LIONEL STREET, BIRMINGHAM 3. Tel: CEN 7474 (6 lines)
And branches throughout the Midlands

3154

**THE
REMEDY FOR
INADEQUATE
HOT WATER SYSTEM
AND CHILLY KITCHEN**

**TAYCO
DOMESTIC BOILERS**

Designed in accordance with B.S.S. No. 758.
Available in 7 capacities from 21,000 to 80,000 B.T.U's.
Approved by Fuel Efficiency Dept. of Ministry of Fuel and Power.

Robert Taylor & Co.
(Ironfounders) Ltd.,
Nairn Foundry, Larkhall, Stirlingshire
London Office & Showrooms—
44 Victoria Street, S.W.1
Also at Building Centre—9 Conduit Street, W.1

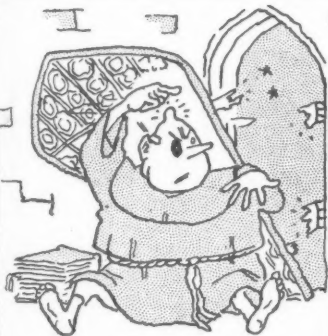
NOEL WOOD MOSAIC

OFFICES
SCHOOLS
HOSPITALS
FACTORIES

WOODBLOCK
FLOORING
AT ITS BEST

DURABLE
DECORATIVE
ECONOMICAL
GUARANTEED

E.J. ELGOOD LTD. INDUSTRIAL FLOORING SPECIALISTS
INSULCRETE WORKS, YEOMAN ST. S. E. 8 TELEPHONE: BERmondsey 1144 (6 lines)

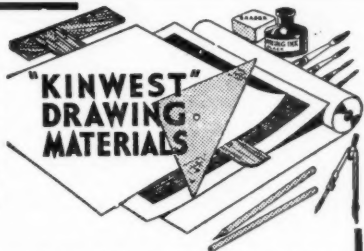


"Blesse my
soule! Thatte's
whatte comes
of notte having
BALDWIN'S
hinges!"

BALDWIN'S
Cast Iron
HINGES
STRONG · SMOOTH · SILENT

Sole Manufacturers: BALDWIN, SON & CO. LTD., STOURPORT-ON-SEVERN
M.W. 59

We are the largest manu-
facturers of high grade
drawing instruments and
slide rules in the British
Empire, and our Kinwest
drawing materials have
gained a reputation
throughout the world
for superb quality and
accuracy.



Our catalogue which includes particulars of Drawing Boards, Tee and Set
Squares, Scales, Slide Rules, Drawing Instruments, Curves, Protractors,
Drawing Materials, etc., is sent Post Free on request.

A. G. THORNTON LTD.
Drawing Instrument Specialists
WYTHENSHAW, MANCHESTER

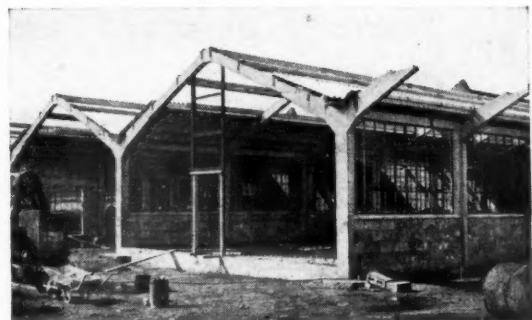
Tel.: WYThenshaw 2277 (4 lines)

books

an illustrated catalogue of books on
architecture, planning building practice
and kindred subjects will be sent on
application to
THE ARCHITECTURAL PRESS
9-13 Queen Anne's Gate Westminster SW1

CROFT & ADAMANT INDUSTRIAL BUILDINGS

IN PRECAST REINFORCED CONCRETE



STANDARD UNIT CONSTRUCTION
MINIMUM REQUIREMENTS OF LABOUR
NO MAINTENANCE COSTS

Your enquiries are invited

CROFT GRANITE, BRICK & CONCRETE CO. LTD.,
CROFT, Near LEICESTER. Tel.: Narborough 2261-2-3
London: 7, Victoria Street, Westminster, S.W.1. Tel.: ABBey 4807
Branch Office and Works: West Bank, Widnes. Tel.: Widnes 2656-7
Prestatyn, Flints. Telephone: Prestatyn 715



Expert treatment of timber decay

The insidious workings of the
Death Watch beetle are often not
apparent until serious damage has
been done. Only the scientific use
of a penetrating and persistent
insecticide will eradicate these
borers. "WIKAMOL" poly-
chloronaphthalene can be con-
fidently recommended and the
experience and technical skill of
our staff is at your disposal.

Send for free Technical Brochure
"The Control of INSECT and FUN-
GAL DESTROYERS OF TIMBER."

For advice and further details write to:—
RICHARDSON & STARLING LTD.
Members of the British Wood Preserving Association
HYDE STREET · WINCHESTER · Tel: 2537

A rafter in the
roof of Chiche-
ster Cathedral
showing damage
by the Death
Watch Beetle.

Important

Once again
PARQUET FLOORING
of traditional quality
and craftsmanship is
freely at your disposal

HOLLIS BROS LTD.
FLOORING CONTRACTORS
HULL — LONDON
LEICESTER — BIRMINGHAM

A new edition of
ENGLISH PANORAMA
by THOMAS SHARP, M.A., D.LITT.

INNUMERABLE BOOKS DESCRIBING THE English countryside have been published, particularly in the last twenty years. This is a very different sort of book: and it is, we believe, the first and only one of its kind. It is no mere description of beauty spots, but is a carefully-studied and original account of how the English scene in town and countryside has developed down the centuries, ending with a penetrating analysis of the problems of town and country planning with which we are faced today. When it was first published in 1936 it was described as "the most important contribution to the subject which has yet been made" (*Country Life*); "a large-visioned, well-balanced and uncommonly vital book" (*Manchester Guardian*); "as sound and clear as a bell" (*New Statesman*); and it has come to be regarded as something of a classic of its kind. It has been out of print for ten years; and for this new edition it has been in part revised, many new pages have been added, and it is almost entirely newly illustrated. All Thomas Sharp's dozen or more books have been praised for the quality of their writing, as well as for the ideas which they contain; and **ENGLISH PANORAMA**, along with the rest, though it contains much of interest for the specialist reader, is essentially a spirited and straightforward essay on a subject which should appeal to everyone who has eyes to see.

Bound in full cloth boards. Size 8½ in. by 5½ in.
148 pages, with over fifty half-tone and line illustrations.

12s. 6d. net. Postage inland 7d.

THE ARCHITECTURAL PRESS
9-13 Queen Anne's Gate, Westminster S.W.1

'BROADS TRUCAST' DUCT COVERS

*Specially designed
for use in —*

**POWER STATIONS, HOSPITALS
SCHOOLS, KITCHENS
LABORATORIES, BOILER HOUSES, ETC.**

'Broads Trucast' Duct Covers are available in widths from 6" to 36", with Cast Iron Sectional Frames for bolting together to form continuous runs, with necessary angles and branches of various sizes. The Cast Iron Covers and Frames have machined seatings and the covers are recessed for filling on site to match the surroundings.



BROADS

★ Technical Staff are available to visit site to check final details and offer expert advice on layouts. Liaison is also maintained with contractors during installation. Full details submitted on application.

MANUFACTURING CO. LTD. 4 SOUTH WHARF, PADDINGTON, LONDON, W.2 Tel. PAD : 7061 (20 lines.)

CLASSIFIED
Advertisements
Manager,
13, Queen
should read
morning for
paper.
Replies
care of "T"
given about

Public
25s

Application
ARCHITE
2500 basic
Departmen
mined acco
Engagome
ment Supp
dates will
most to th
vacancies.
All rates
al present
Successful
in the des
drawings
store flat
Architect's
Forms of
Director o
minister
envelope
Canvassain

LIVERP
ERECTIO

APPO
The Bo
to design
hospital
mental de
for the c
approved
Health S
interesting
The pr
this impo
4 to 7 y
suitably
ployment
engaged
scheme, a
Architect
(a) SE
£750 x £25
nical ad
cants m
possess
substanti
hospital
(b) SE
work on
annum
R.I.B.A.
fication,
and layo
hospital

(c) AS
Salary
Applican
Examina
Architec
design a
(d) BU
£25-£710
site, su
etc. App
Institute
Building
ence in
(e) JU
£420 per
All ap
extending
cases, ap
the peri
side in
£320 and
Applic
and qua
ments w
in respo
together
be forw
James
Septem

(f) JU
£420 per
All ap
extending
cases, ap
the peri
side in
£320 and
Applic
and qua
ments w
in respo
together
be forw
James
Septem

CIT

APPE
Applic
Archite
at a sa
ments
Housi
Full
with fo
the u
receiv
Septem

Town
22nd

CLASSIFIED ADVERTISEMENTS

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

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

Public and Official Announcements

25s. per inch; each additional line, 2s.

LONDON COUNTY COUNCIL.

Applications are invited for positions of ARCHITECTURAL ASSISTANT (salaries up to £500 basic a year) in the Housing and Valuation Department. Commencing salaries will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

All rates of pay up to £600 a year (basic) are at present subject to an addition of 10 per cent. Successful candidates will be required to assist in the design, layout and preparation of working drawings for housing schemes, cottages and multi-storey flats, and will be employed in the Housing Architect's Division.

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 reference A.A.1). Canvassing disqualifieds. (816) 2615

LIVERPOOL REGIONAL HOSPITAL BOARD. ERECTION OF NEW MATERIAL DEFICIENCY HOSPITAL—1,000 BEDS.

APPOINTMENT OF TECHNICAL STAFF. The Board wish to engage Architectural Staff to design and supervise the erection of a new hospital near Southport, to accommodate 1,000 mental deficiency patients; the first major scheme for the construction of an entirely new hospital approved since the inception of the National Health Service. The work will be of a most interesting character.

The preliminary and constructional stages of this important project are expected to take from 4 to 7 years, and applications are invited from suitably qualified persons wishing to accept employment of a limited duration. Those persons engaged will be employed solely on the new scheme, and will be responsible to the Regional Architect (T. N. Mitchell, B.Arch., A.R.I.B.A.).

(a) SENIOR ASSISTANT ARCHITECT. Salary £750 × £25—£850 per annum, to supervise the technical administrative work of the project. Applicants must be Associates of the R.I.B.A. and possess considerable experience in carrying out substantial building projects. Some experience of hospital work an advantage.

(b) SENIOR ASSISTANT ARCHITECT, for work on design. Salary £750 × £25—£850 per annum. Applicants must be Associates of the R.I.B.A., and preferably have a University qualification, and should have experience of the design and layout of large projects. Some experience of hospital work an advantage.

(c) ASSISTANT ARCHITECTS (THREE). Salary £520 × £15 (2) × £20—£570 per annum. Applicants must have passed the Intermediate Examination of the Royal Institute of British Architects and have a good general experience in design and construction.

(d) BUILDING SURVEYOR. Salary £635 × £25—£710 per annum, to supervise setting out of site, surveying, levelling and drainage works, etc. Applicants must be Associates of the Royal Institute of Chartered Surveyors (Sub-division III Building), and should have considerable experience in work of this character.

(e) JUNIOR ASSISTANT. Salary £375 × £15—£420 per annum, for tracing and general work. All appointments will be of limited duration, extending to possibly 5 years, or 7 years in some cases, and will be terminable at any time within the period stated (by 3 months' notice on either side in the case of appointments at salary of £520 and over).

Applications, giving age, technical experience and qualifications, present and previous appointments with salary, and clearly indicating the post in respect of which the application is submitted, together with the names of three referees, should be forwarded to reach the undersigned at 19, James Street, Liverpool, 2, not later than 20th September, 1951.

VINCENT COLLINGE.
Secretary to the Board. 4195

CITY AND COUNTY OF THE CITY OF LINCOLN.

APPOINTMENT OF CITY ARCHITECT.

Applications are invited from fully qualified Architects for the above-mentioned appointment, at a salary of £1,300 p.a., rising by annual increments of £50 to £1,500 p.a.

Housing accommodation is available. Full particulars of the appointment, together with forms of application, may be obtained from the undersigned, and applications must be received not later than by the first post on 17th September, 1951.

J. HARPER SMITH.
Town Clerk. 4233

Town Clerk's Office, Lincoln.
22nd August, 1951.

WEST SUFFOLK COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the County Architect's Department. Salaries as indicated in accordance with the National Joint Council Salary Scales, position on scales according to qualifications and experience, viz.:

(a) ASSISTANT COUNTY ARCHITECT. A.P.T., Grade VIII (£735-£810).

(b) ARCHITECTURAL ASSISTANT. A.P.T., Grade V (£570-£620).

(c) ASSISTANT HEATING ENGINEER. A.P.T., Grades III-IV (£500-£575).

Applicants in respect of (a), who should note that the appointment of Deputy is at present vacant, should be fully qualified and have had considerable experience in architectural design, construction and preparation of specifications, and be capable of assuming full responsibility and supervision of the day-to-day work of the Department, which is mainly concerned with new school, police and health building work, and general maintenance and improvements to County Buildings.

This appointment will be terminable by two months' notice in writing on either side.

Applicants in respect of (b) should preferably be Associates of the Royal Institute of British Architects.

Applicants in respect of (c) should be capable of calculating heat losses, preparing schemes and working drawings under supervision, and a knowledge of electrical work would be an advantage.

The latter appointments will be terminable by one month's notice in writing on either side.

All appointments will be subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination.

Forms of application may be obtained from the County Architect, 13, Westgate Street, Bury St. Edmunds, by whom applications, together with the names of two referees, should be received not later than the 14th September, 1951.

L. G. H. MUNSEY.

Clerk of the County Council.

Shire Hall, Bury St. Edmunds. 4134
August, 1951.

CORPORATION OF THE CITY OF ABERDEEN.

TOWN PLANNING DEPARTMENT.

Applications are invited for the following posts:

(a) TECHNICAL ASSISTANT (Development Control). Salary scale £645, rising to £710 per annum.

(b) TECHNICAL ASSISTANT (Planning). Salary scale £430, rising to £620 per annum, with initial placing in accordance with qualifications and experience.

(c) DEVELOPMENT INSPECTOR. Salary scale £415, rising to £460 per annum. Application forms and further particulars of the appointments are obtainable from the Director of Town Planning, 5, Accord Crescent, Aberdeen.

Completed application forms (which should be submitted in duplicate) should be returned to the Director on or before 10th September, 1951.

J. C. RENNIE.

Town Clerk.

Town House, Aberdeen. 4161
8th August, 1951.

CITY OF PORTSMOUTH.

CITY PLANNING DEPARTMENT.

Applications are invited for the following appointments:

(a) PLANNING ASSISTANT. Grades II-IV (£470-£575 per annum).

(b) GENERAL ASSISTANT. Grade I (£440-£485 per annum).

The commencing salary in respect of appointment (a) will be according to qualifications and experience.

A special subsistence allowance may be paid to a married applicant for a period of up to 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 two referees, must be delivered to the undersigned, marked "City Planning Appointment," not later than 10th September, 1951.

Canvassing will disqualify.

V. BLANCHARD.

Town Clerk.

City Council Chambers, Portsmouth. 4177
11th August, 1951.

LONDON ELECTRICITY BOARD.

ARCHITECTURAL ASSISTANT.

Applications are invited for the above position in the Architect's Section of the Chief Engineer's Department in Central London.

Applicants should be studying for or have passed the Intermediate Examination of the R.I.B.A., be capable draughtsmen, and have had several years' experience in an Architect's office.

Pending grading of the post under the national agreement of the appropriate negotiating body, the commencing salary will be from £525 per annum inclusive, according to qualifications and experience.

Application forms obtainable from Establishments Officer, 46, New Broad Street, E.C.2, to be returned duly completed by 15th September, 1951. Please enclose addressed envelope and quote Ref. V/1266/A. 4213

BOROUGH OF WILLESDEN.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL STAFF. Applications are invited for the following appointments:

(1) ARCHITECTURAL ASSISTANT, Grade A.P.T., VI. The appointment will, in the first instance, be on the Temporary Establishment, with prospects of transfer to the Permanent Establishment.

Candidates must be Associates of the Royal Institute of British Architects or hold an equivalent qualification. Preference will be given to those having a general knowledge and experience of Architectural work in the service of a Local Authority.

(2) ARCHITECTURAL ASSISTANT, Grade A.P.T., V. The appointment will be on the Permanent Establishment. Candidates must be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have a general knowledge and experience of Architectural work in the service of a Local Authority.

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

Applications, stating age, qualifications and experience, accompanied by copies of not more than three testimonials, should be addressed to the undersigned, endorsed "Architectural Staff," not later than 10 a.m. on Monday, 10th September, 1951.

It will be necessary for the successful candidates to provide their own housing accommodation, as the Council is not in a position to assist.

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

(Sgd.) R. S. FORSTER.

Town Clerk.

Town Hall, Dyne Road, Kilburn, N.W.6. 4176
8th August, 1951.

COUNTY BOROUGH OF DARLINGTON.

BOROUGH ARCHITECT'S DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECT.

Applications are invited for the permanent appointment of an Assistant Architect. Salary Grade A.P.T., IV-V, according to qualification.

The Department is dealing with a large programme of Education work, including large Secondary Schools and a new Technical College, Housing, Welfare Buildings and other general work, and candidates who have had previous experience and are Members of the R.I.B.A. will receive preference.

Applications, giving full particulars of age, qualifications, present appointment with salary, previous experience with dates, and the names of three referees, to be sent to E. A. Tornbohm, A.R.I.B.A., A.M.T.P.I., Borough Architect, Central Buildings, Darlington, not later than Monday, the 17th September, 1951.

H. HOPKINS.

Town Clerk.

4183

CITY OF BELFAST.

APPOINTMENT OF SENIOR ASSISTANT ARCHITECT.

Applications are invited for this post in the Housing Architect's Department.

Salary £550 × £25—£650 + bonus + 7½ per cent. (bonus £90 for men; £72 women). (The scale is under revision.)

Candidates should be fully qualified, experienced in the design and planning of Housing Estates, particularly flats and other ancillary buildings.

The commencing salary will be determined in the light of the qualifications, ability and experience of the person appointed. Superannuation contributions at the rate of 6 per cent. of remuneration will be payable.

Candidates must not be more than 45 years of age on 1st October, 1951.

Preference will be given to ex-Service candidates possessing the required qualifications, providing that the Council is satisfied that such candidates can or within a reasonable time will be able to fill the post efficiently.

Canvassing in any form, oral or written, direct or indirect, will, if proved to the satisfaction of the appointing authority, disqualify a candidate for appointment.

Forms of application can be obtained from the Housing Architect, 94, Chichester Street, Belfast.

Applications on official forms, accompanied by copies of two recent testimonials, should be enclosed in envelopes endorsed "Senior Assistant Architect," and must reach the undersigned not later than 12 noon on Saturday, 8th September, 1951.

JOHN DUNLOP.

Town Clerk.

City Hall, Belfast. 4209
16th August, 1951.

BLACKPOOL EDUCATION AUTHORITY.

BLACKPOOL TECHNICAL COLLEGE AND SCHOOL OF ART.

REQUIRED: Full-time LECTURER in Architectural Subjects. Applicants must be A.R.I.B.A. Salary: Burnham Technical Award, 1951, Grade "B," with appropriate allowances. Application forms and further particulars obtainable from the Chief Education Officer, Stanley Buildings, Blackpool (stamped addressed envelope, should be returned within 14 days of this advertisement).

TREVOR T. JONES.

Town Clerk.

4221

HUYTON-WITH-ROBY URBAN DISTRICT COUNCIL.
APPOINTMENT OF ASSISTANT BUILDING INSPECTOR.

Applications are invited for the appointment of Assistant Building Inspector, at a salary in accordance with Grade III-IV of the A.P.T. Division of the National Scales, i.e., £500×£15-£575, subject to satisfactory service. The Council will provide housing accommodation, if necessary. The position is established and will be subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applicants should hold a Building Inspector's Examination Certificate of the Institution of Municipal Engineers, or of the R.I.B.A.

Applications, stating age, experience, qualifications, and present and past appointments, with the names and addresses of two persons to whom reference may be made, should reach the undersigned not later than 8th September, 1951.

Canvassing disqualifies.

H. E. H. LAWTON,

Clerk of the Council.

Council Offices, Derby Road, Huyton.
20th August, 1951.

4222

DERBYSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of a QUANTITY SURVEYOR on A.P.T., Grade V. Applications to reach this office not later than 8th September, 1951. Application forms may be obtained from F. H. Crossley, County Architect, St. Mary's Gate, Derby.
30th August, 1951.

4223

COUNTY OF LONDON.

BUILDING BY-LAWS.

LONDON BUILDING ACTS, 1930-1939.

THE LONDON COUNTY COUNCIL gives notice, in accordance with Section 8(a) of the London Building Act (amendment) Act, 1935, that it proposes, not less than two months from the date of this notice, to make by-laws under the above-mentioned Acts with respect to the following matters in connection with the construction and conversion of buildings and cognate matters:—

Construction and conversion and materials to be used therein:—

- Foundations and sites.
- Description and quality of plastering.
- Lighting and ventilation.
- Dimensions of habitable rooms.
- Prohibition of occupation of habitable rooms not complying with the London Building Acts, 1930 to 1939, and by-laws.
- Projections.
- Height of chimneys and chimney shafts.
- Close fires and flues or pipes for conveying smoke or other products of combustion, heated air, steam or hot water.

The taking of samples of building materials by the District Surveyor and the testing of structural material.

The filling up of excavations outside the external walls of a building within three feet thereof.

The giving of notices and deposit of plans.

The classification of a building or part thereof in relation to the resistance to the action of fire of the constructional parts thereof and the period of time during which constructional parts are to be capable of resisting the action of fire.

Other matters connected with or ancillary to the foregoing matters.

Any authority, body or person desirous of objecting to any proposed by-law may do so within six weeks after the publication of this notice by a letter addressed to the Minister of Local Government and Planning, Whitehall, London, S.W.1, setting out the grounds on which objection is made.

Copies of the proposed by-laws are deposited at the County Hall, Westminster Bridge, S.E.1, and are open to public inspection without payment on any week day during the usual office hours.

Copies may also be purchased, price 3s. 6d. a copy, post free, 3s. 10d., either directly or through any bookseller, from Staples Press, Ltd., Staples House, Mandeville Place, W.1, agents for the sale of the publications of the London County Council.

HOWARD ROBERTS,

Clerk of the London County Council.

The County Hall, S.E.1.
13th August, 1951. (1030)

4218

CROWN AGENTS FOR THE COLONIES.

ARCHITECT required by the Central Electricity Board, Federation of Malaya, for 3 years, with prospect of permanency. Salary (including Expatriation Pay) payable in local currency, equivalent at present Government rate of exchange to a scale £742 a year, rising to £1,652 a year. Commencing salary according to age and experience. Cost-of-living allowance equivalent to between £336 and £707 a year, according to salary and dependents. Free passages. Liberal leave on full salary. Candidates must be A.R.I.B.A. with at least two years' experience in an architect's office. Apply at once by letter, stating age, full names in block letters, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M.27720.A on both letter and envelope. The Crown Agents cannot undertake to acknowledge all applications, and will communicate only with applicants selected for further consideration.

4234

SINGAPORE IMPROVEMENT TRUST.
APPOINTMENT OF STAFF FOR THE PREPARATION OF A SURVEY AND MASTER PLAN FOR THE ISLAND OF SINGAPORE.
The Singapore Improvement Trust invites applications for the following appointments:—

(a) CHIEF PLANNING OFFICER (TEMPORARY).

(i) Applicants for this temporary post, which will be on a 3 years' agreement, should be about 40 years of age, and must be fully experienced Corporate Members of the Town Planning Institute. The duties of this Officer will comprise the organisation and direction of the survey and preparation of the Master Plan to be put in hand immediately under the general supervision of the Manager of the Trust, Mr. J. M. Fraser, A.R.I.B.A., A.M.T.P.I., with Sir George L. Pepler, C.B., P.P.T.P.I., F.R.I.C.S., as Consultant.

(ii) Salary £2,000 per month (£2,800 per annum) (inclusive), plus a duty transport allowance.

(iii) 3 months' vacation leave, plus voyage leave upon expiration of agreement.

(iv) Free first-class passages will be provided in accordance with terms of agreement.

(v) Quarters (with heavy furniture) will be provided at a rent not exceeding \$100 p.m. or a housing allowance paid in lieu.

(b) PLANNING OFFICER.

(i) Applicants for this post, which will be on a 3 years' agreement, should be about 30 years of age, and must be qualified as Associate Members of the Town Planning Institute, with some experience of the preparation of planning and preparatory surveys. This officer will serve under the Chief Planning Officer and a Planning Officer to be seconded from the Trust.

(ii) Commencing salary \$560 per month (basic). Expatriation allowance on commencing salary \$110 p.m. An allowance will be paid to cover cost of duty transport.

(iii) If appointed to the permanent staff, after the expiration of agreement, the appointee will be placed at the appropriate point in Class II of the Senior Officers' Salary Scheme, which rises to a maximum of \$1,000 p.m.

(c) ADMINISTRATIVE OFFICER.

(i) Applicants for this post, which will be on a 3 years' agreement, should not be over 30 years of age, and should have had experience in the administrative side of Town and Country Planning, preferably with a Local Authority under the United Kingdom Town and Country Planning Act. This Officer will serve under the Chief Planning Officer and be the administrative officer to the Planning Team.

(ii) Commencing salary \$560 per month (basic). Expatriation allowance on commencing salary \$110 p.m.

(iii) If appointed to the permanent staff, after the expiration of agreement, the appointee will be placed at the appropriate point in Class III of the Senior Officers' Salary Scheme, which rises to a maximum of \$870 p.m.

(2) The following are applicable to posts (b) and (c) only:—

(i) Cost-of-living allowance 95 per cent. of the first \$200 p.m. of basic salary, plus (i) single Officers 40 per cent. of next \$100 and 25 per cent. of next \$400 of basic salary (max. allowance \$330 p.m.). (ii) Married Officers (no children), 55 per cent. of next \$200 and 45 per cent. of next \$300 of basic salary (max. allowance \$435 p.m.). (iii) Married Officers (with children), 75 per cent. of next \$400 and 55 per cent. of the next \$100 p.m. of basic salary (max. allowance \$555 p.m.).

(ii) Provident Fund, to which appointees must contribute 7½ per cent. of basic salary and expatriation allowance; the Trust contributes a minimum of 7½ per cent., rising by stages to 20 per cent. after 20 years' service.

(iii) Leave and passages are granted in accordance with regulations.

(iv) Quarters (with heavy furniture) will be provided at a rental of ½ per cent. of salary, or a housing allowance (12 per cent. of salary) paid in lieu.

(3) Allowances in respect of all appointments are subject to revision.

(4) The exchange value of the Singapore dollar is 2s. 4d. sterling.

(5) Strict medical examination.

(6) Applications in duplicate, stating whether married or single, giving age and birth place, with details of education, qualifications, training and experience, accompanied by copies of testimonials, to be lodged with Messrs. Peirce & Williams (Agents to the Trust), 1, Victoria Street, Westminster, London, S.W.1, before Tuesday, 2nd October, 1951.

4239

(c) ASSISTANT ARCHITECT. Salary A.P.T., Grade V (£570 to £620 per annum).

Candidates must be Registered Architects; preference will be given to applicants who are Associates of the Royal Institute of British Architects, and/or hold a Degree or Diploma of a recognised School of Architecture.

Persons who have the qualifications named above, but are not yet registered Architects, are eligible to apply, the salary in such case would be A.P.T., Grade IV, commencing at £530 per annum, until registered.

(b) ASSISTANT QUANTITY SURVEYOR. Salary A.P.T., Grade V (£570 to £620 per annum).

Candidates must be fully qualified, with wide experience; preferably Associates R.I.C.S. (Quantities Division).

(c) JUNIOR QUANTITY SURVEYING ASSISTANT. Salary A.P.T., Grade I (£440 to £485 per annum).

Candidates should possess the Higher National Certificate in Quantity Surveying or other equivalent qualification.

Forms of application may be obtained from and returned to Leo T. C. Howitt, B.Arch., F.R.I.B.A., City Architect, Town Hall, Manchester, 2, by 12th September, 1951.

Canvassing is prohibited.

PHILIP B. DINGLE, Town Clerk.

Town Hall, Manchester, 2.
August, 1951.

4240

CITY AND COUNTY OF BRISTOL.

CITY ARCHITECT'S DEPARTMENT.

Applications invited for the following permanent staff appointments:

SENIOR ASSISTANT ARCHITECTS:

(a) Grade VI (£645-£710).

(b) Grade V (£570-£620).

Applicants must be Associate Members of the R.I.B.A. or hold equivalent qualifications, and have considerable experience in design, construction and contract administration. The appointment is subject to the passing of a medical examination and is superannuable.

Housing accommodation provided, if necessary, at an economic rent.

Applications, stating age, training, qualifications, experience, present appointment and salary and the names of two referees, must be received by the undersigned by the 15th September, 1951.

J. NELSON MEREDITH, City Architect.

Eagle House, Colston Avenue, Bristol 1.

4238

NATIONAL COAL BOARD—NORTH-EASTERN DIVISION.

Applications are invited for the following appointments in the Architect's Department at Denaby, near Doncaster:—

ARCHITECTURAL ASSISTANTS, Grade I: Salary scale: £410×£220 to £550 per annum (men); £340×£15 to £445 per annum (women).

Applicants should be preparing for the Intermediate Examination of the R.I.B.A., and should have some experience in the preparation of sketch plans, working drawings and specifications, and have a good knowledge of building construction.

ARCHITECTURAL ASSISTANTS, Grade II: Salary scale: £300×£20 to £440 per annum (men); £247×£15 to £352 per annum (women).

Applicants should be probationers of the R.I.B.A., and be actively engaged in study for the Intermediate Examination (Quantities Section) of the R.I.C.S.

QUANTITY SURVEYING ASSISTANTS.

Grade I: Salary scale: £410×£220 to £550 per annum.

Applicants should have had five years' office experience in "working up." Preference will be given to applicants who have passed the Intermediate Examination (Quantities Section) of the R.I.C.S.

QUANTITY SURVEYING ASSISTANTS.

Grade II: Salary scale: £300×£20 to £440 per annum.

Applicants should have had at least two years' office training and some experience in "working up." Preference will be given to Students of the R.I.C.S. who are preparing for the Intermediate Examination (Quantities Section) of the R.I.C.S.

JUNIOR QUANTITY SURVEYING ASSISTANTS:

Salary scale: £100 to £338 per annum (according to age).

Applicants must hold School Certificate with four credits (one of which must be mathematics), or the equivalent thereof, and be prepared to take the examinations (Quantities Section) of the R.I.C.S.

The work of the Department covers Pithead Baths, Canteens, Medical Centres, Workshops, Offices, Laboratories, Recreation Buildings, etc.

Applications for the above appointments should be made on Form S.A., obtained from the Establishment Officer, National Coal Board, North-Eastern Division, Rammoor Hall, Belgrave Road, Sheffield, 10.

4246

CITY OF MANCHESTER.

CITY ARCHITECT'S DEPARTMENT.

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

(a) ASSISTANT ARCHITECT. Salary A.P.T., Grade V (£570 to £620 per annum).

Candidates must be Registered Architects; preference will be given to applicants who are Associates of the Royal Institute of British Architects, and/or hold a Degree or Diploma of a recognised School of Architecture.

Persons who have the qualifications named above, but are not yet registered Architects, are eligible to apply, the salary in such case would be A.P.T., Grade IV, commencing at £530 per annum, until registered.

(b) ASSISTANT QUANTITY SURVEYOR. Salary A.P.T., Grade V (£570 to £620 per annum).

Candidates must be fully qualified, with wide experience; preferably Associates R.I.C.S. (Quantities Division).

(c) JUNIOR QUANTITY SURVEYING ASSISTANT. Salary A.P.T., Grade I (£440 to £485 per annum).

Candidates should possess the Higher National Certificate in Quantity Surveying or other equivalent qualification.

Forms of application may be obtained from and returned to Leo T. C. Howitt, B.Arch., F.R.I.B.A., City Architect, Town Hall, Manchester, 2, by 12th September, 1951.

Canvassing is prohibited.

PHILIP B. DINGLE, Town Clerk.

Town Hall, Manchester, 2.
August, 1951.

4240

COUNTY BOROUGH OF WEST BROMWICH.

APPOINTMENT OF ASSISTANT ARCHITECTS.

Applications are invited for the following appointments on the permanent staff of the Borough Engineer and Surveyor:—

(a) ASSISTANT ARCHITECT. Salary in accordance with A.P.T. Grade VII.

(b) ASSISTANT ARCHITECT. Salary in accordance with A.P.T. Grade VI.

(c) ASSISTANT ARCHITECT. Salary in accordance with A.P.T. Grade IV.

The persons appointed should hold and continue to hold the appropriate qualifications set out in the Grading of Special Classes of Officers of the National Charter, M.I.

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

Applications, stating age, experience and qualifications, together with the names of two persons to whom reference may be made, should be delivered to the undersigned not later than Saturday, 8th September, 1951.

Canvassing, either directly or indirectly, will be a disqualification, and relationship to any member or senior officer of the Council must be disclosed.

H. SCHOFIELD, B.Sc.(Eng.), A.M.I.C.E., A.M.T.P.I., Borough Engineer and Surveyor.

Town Hall, West Bromwich.

21st August, 1951.

4231

BOROUGH OF ILFORD.

APPOINTMENT OF QUANTITY SURVEYOR.
Applications are invited for the position of Quantity Surveyor, on the permanent staff of the Borough Engineer's Department, at a salary in accordance with A.P.T., Grade VIII, commencing at £735 per annum, and rising, subject to satisfactory service, by annual increments of £25 to £810 per annum, plus London weighting.

Candidates should be Associate Members of the Royal Institute of Chartered Surveyors, or possess other suitable qualifications, and should be competent to undertake the preparation of Bills of Quantities and Specifications, measurement of Variations and settlement of Final Accounts in connection with housing schemes and all types of Municipal work.

The appointment is a whole time one, private practice being prohibited, and is subject to one month's notice on either side, to the provisions of the Local Government Superannuation Acts, the National Scheme of Conditions of Service, and to medical examination.

The Council is prepared to consider, if essential, the question of housing accommodation in connection with this appointment.

Forms of application are obtainable from, and should be returned to, the Town Clerk, Town Hall, Ilford, not later than the 17th September, 1951.

4247

CROWN AGENTS FOR THE COLONIES.

ARCHITECTURAL ASSISTANT required by the Government of Northern Rhodesia for the Public Works Department, for one tour of 36 months. Commencing salary according to age and experience in the scale £510, rising to £865 a year, plus cost-of-living allowance, at present equal to 12 per cent. of salary. Gratuity on satisfactory completion of services. Free passages. Liberal leave on full salary. Candidates, aged 25 to 40, should be students of the Royal Institution of British Architects or have had five years' practical experience. A knowledge of survey work and writing of specifications would be an advantage. Apply at once by letter, stating age, full names in block letters, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4, Mitbank, London, S.W.1, quoting M/27758.A on both letter and envelope. The Crown Agents cannot undertake to acknowledge all applications, and will communicate only with applicants selected for further consideration.

4248

SWADLINCOTE URBAN DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECTURAL ASSISTANT (TEMPORARY).

Applications are invited for the position of Architectural Assistant in the office of the Surveyor to the Council. The appointment is to the

temporary staff, and (subject to satisfactory service) for a period of 4 years in the first instance. Salary in accordance with Grade III of the A.P.T. Division of the National Joint Council's Scale of Salaries.

Preference will be given to applicants holding the Intermediate Examination of the R.I.B.A. or equivalent qualifications.

Applications, stating age, training, experience, past and present appointments, and date available, should be addressed to the undersigned, and should reach his office not later than Friday, the 14th September, 1951.

Canvassing, directly or indirectly, will disqualify. Candidates must in their applications state if to their knowledge they are related to any member or the holder of any senior post under the Council.

A modern semi-detached house will be available to the successful candidate if required.

J. SANDIFORD,

Clerk of the Council.

Clerk's Office, Swadlincote,
near Burton-on-Trent.
24th August, 1951.

4249

BOROUGH OF PRESTWICH.
APPOINTMENT OF ARCHITECTURAL ASSISTANT—BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the position of ARCHITECTURAL ASSISTANT. The appointment, which is at present temporary, with a guarantee of 5 years' duration and the prospect of a permanent, is on A.P.T., Grade VI (£645-£710). Applicants should hold suitable qualifications and have had some experience in housing.

The appointment will be terminable by one month's notice on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, experience, etc., together with copies of two recent testimonials, should be sent to the undersigned in envelopes endorsed "Architectural Assistant," so as to be received not later than Saturday, 15th September, 1951.

Canvassing disqualifies, and applicants must state whether to their knowledge they are related to any member or senior officer of the Council.

C. A. CROSS,

Town Clerk.

Town Hall, Prestwich, Lancashire.
31st August, 1951.

4250

COUNTY BOROUGH OF WEST BROMWICH.

Applications are invited for the appointment of CLERK OF WORKS in connection with the Council's Housing Estate. The salary will be up to a maximum of £10 10s. per week, according

to the qualifications and experience of the applicant.

The appointment will be subject to the conditions of service of the Local Government Superannuation Act, 1937.

Applications, stating age, training, experience, past and present appointments, together with copies of two recent testimonials, should be delivered to the undersigned not later than Monday, the 17th September, 1951.

H. SCHOFIELD, B.Sc.(Eng.),

A.M.I.C.E.,

Borough Engineer and Surveyor.
Town Hall, West Bromwich. 4251

WANTED.

TEMPORARY ASSISTANT ARCHITECTS FOR GOVERNMENT OF CEYLON.

Applications are invited for post of Temporary Assistant Architect in the Public Works Department, Ceylon.

Salary scale: £1,000×£40—£1,200 per annum (salary scale applicable to Ceylonese, Indians and Pakistanis is Rs.13,200×Rs.600—Rs.15,000 per annum).

Qualifications: Candidates should possess the Associate R.I.B.A. qualification or a Continental Degree recognised as equivalent to the A.R.I.B.A., and have had at least 7 years' experience as fully qualified Architects subsequent to passing the A.R.I.B.A. Examination.

Terms of Appointment: Appointment will be on agreement for a period of 4 years.

Further particulars and forms of application may be obtained from the Office of the High Commissioner for Ceylon in the United Kingdom, 13, Hyde Park Gardens, London, W.2.

Applications for the above posts should reach the Office of the High Commissioner for Ceylon in the United Kingdom before 22nd September, 1951.

4255

H.M. PRISON COMMISSION have a vacancy for an ARCHITECTURAL ASSISTANT, Male or Female. Commencing salary linked to age 21, £340-£457 10s. (male), £340-£420 (female), according to age and qualifications, rising to £575 (male) and £500 (female) per annum. Unestablished (i.e., non-pensionable) post, but candidates may later enter Civil Service Commission competition for establishment. Hours of duty 44 a week, plus overtime. Annual leave 24 working days, after three years 28 working days. Must have had a recognised training, with a good general knowledge of construction and surveys. Regulations and application forms from the Establishment Officer (E126/2/9), Prison Commission, Horseferry House, Dean Ryle Street, London, S.W.1, to be returned by 21st September, 1951.

4241

JUST PUBLISHED

a pocket guide to **MODERN**
buildings in **LONDON**
by **IAN McCALLUM**

THIS IS A NEW GUIDE BOOK which neither practising architects nor serious students of architecture, nor, for that matter, the layman, can afford to ignore. In his introduction, Mr McCallum outlines the development of architecture over the past century. In the following ninety pages he illustrates and describes the most significant modern buildings to be seen within seven miles of the centre of London, from Crawford's Offices in Holborn (1929) to the Royal Festival Hall on the South Bank (1951) and including—among other types—department stores, flats, health centres, permanent and temporary houses, offices. The book is compiled and arranged in such a way as to enable readers to find their way easily to the buildings discussed. For their convenience it is divided into four sections: North-west London, North-east, South-east and South-west; and full details of bus and L.T. railway routes are provided. The book is completed by a bibliography and comprehensive index, listing more than ninety buildings worthy of careful study.

Bound in stiff board cover. Size 5½" by 4½". 128 pages with 36 illustrations, 5 maps, a bibliography and 3 indexes. Price 3s. 6d. net, postage 4d.

THE ARCHITECTURAL PRESS 9-13 QUEEN ANNE'S GATE WESTMINSTER SW1

Partnership

4 lines or under, 12s. 6d.; each additional line, 2s.
FULLY Qualified ARCHITECT (R.I.B.A. prizeman) wants Partnership or other position not necessarily in Architect's office, where his creative powers and exceptional draughtsmanship may be fully employed. London only. Box 4245.

Architectural Appointments Vacant

4 lines or under, 7s. 6d.; each additional line, 2s.
JUNIOR ARCHITECTURAL DRAUGHTSMAN required for Albert E. Reed & Co., Ltd., Aylesford Paper Mills, Larkfield, Maidstone. 4117

SENIOR ASSISTANT required to train as Manager. Particulars of qualifications, etc., to Box 4139.

SENIOR ASSISTANT (single) required for progressive office. Position will lead to Chief Assistant. Replies, with details of experience and qualifications, to Box 4138.

ASSISTANT about to take Final (R.I.C.S. or R.I.B.A.) required in City office. At least two years' office experience necessary. Salary by arrangement. Opportunity to handle School and Hospital contracts. Box 4136.

ASSISTANT required in small office. Approximately of Intermediate standard. Commencing salary £400, rising to £600, according to progress. Replies to Box 4140.

REQUIRED. — ARCHITECTURAL ASSISTANT, aged 25 to 40. Experienced in Industrial Building, Reinforced Concrete and Structural Steel Construction. Apply in writing to Men's Personnel Dept., Kodak, Ltd., Harrow, Middx. 4165

ARCHITECTURAL ASSISTANT, Man, Intermediate standard, required in Westminster. Varied practice, including Housing Schemes, University and Churches. Salary about £7, according to experience. Prospects of promotion. Send full particulars to Box 4227.

LEEDS Architects require ASSISTANTS, R.I.B.A., Intermediate or equal standard, for general practice. Good experience and prospects for capable applicants. Box 4236.

EXPERIENCED SENIOR ARCHITECTURAL ASSISTANT for varied practice. Write, giving particulars of experience and salary required, to J. C. Prestwich & Sons, M.A., F./A.R.I.B.A., Bradshawgate Chambers, Leigh, Lancs. 4163

EAST MIDLAND Architects require ASSISTANT to be in charge of Local Authority Housing. Two-bedroomed flat available. State age, qualifications, present employment, and salary required. Box 4169.

RONALD WARD & PARTNERS require a JUNIOR ARCHITECTURAL ASSISTANT (Intermediate standard), to work in their Victoria Office. Tel.: VIC. 5531. 4194

REQUIRED immediately Qualified SENIOR ASSISTANT, with experience in the design and detailing of Industrial and Public Buildings. Salary £600-£700 per annum. Reply, giving full details and when available, to Leo O. L. Hannen & John H. Markham, Chartered Architects, 7, Victoria Street, S.W.1. Tel. ABB. 2033/4. 4189

REQUIRED immediately TWO ASSISTANTS, Intermediate grade. Salary up to £500 per annum, depending on qualifications and experience. Please give full details to Leo O. L. Hannen & John H. Markham, Chartered Architects, 7, Victoria Street, S.W.1. Tel. ABB. 2033/4. 4190

ARCHITECTURAL ASSISTANT required for preparation of detail drawings, specifications, and bills of quantities for design and fitting out of modern office accommodation, including mess rooms, etc. Salary according to qualifications and experience; minimum £50 per month. Applications, with particulars of qualifications, experience and references to previous employers, to Sir William Halcrow & Partners, M.M.I.C.E., Alliance House, Caxton Street, Westminster, S.W.1. 4226

IMPERIAL CHEMICAL INDUSTRIES, LTD.—WILTON WORKS.

ADVERTISEMENT REF. ICI/X/92.
IMPERIAL CHEMICAL INDUSTRIES, LTD., Wilton Works, near Redcar, invites applications for appointments to the established staff in the Architectural Section of their Drawing Office. Candidates should have experience in one or more of the following categories: design of offices, canteens, laboratories, and general industrial buildings. Qualification of Inter. R.I.B.A. standard or higher is desirable. Application forms may be obtained from the Staff Officer, Imperial Chemical Industries, Ltd., Wilton Works, P.O. Box 54, Middlesbrough, Yorkshire, quoting advertisement reference ICI/X/92. 4230

ARCHITECTS, Piccadilly, busy small office require keen ASSISTANT, capable of preparing working drawings under supervision. Progressive post. Phone Regent 7461. 4237

ARCHITECTURAL ASSISTANT, Intermediate standard required for office in Cotswold area. Applications, stating age, experience, and salary required, to Eric Cole & Partners, F.F.R.I.B.A., Dyer Street House, Cirencester, Glos. 4242

JUNIOR ARCHITECTURAL ASSISTANT required; must be good draughtsman, with sound knowledge of building construction; some knowledge of surveying and levelling an advantage. Details of previous experience, age, and salary required, to Box 4244.

OPPORTUNITY established London office for ARCHITECT interested Contemporary Design. Capable controlling staff and organising from inception large contracts. Salary according to experience. Box 4252.

GOLLINS, MELVIN & PARTNERS require JUNIOR STAFF, with office experience. Capable working drawings. Salary £350-£450 per annum. 5-day week. Telephone: Museum 0883 4253

Architectural Appointments Wanted

YOUNG woman ASSOCIATE, with 5 years' office experience, used to handling complete contracts from design to site supervision, seeks a job in a progressive London office. Salary about £700. Box 210.

DIPARCH., A.R.I.B.A., University trained (32), with 7 years' varied office experience desires appointment, East Anglia or East Midlands. Apply Box 225.

ASSISTANT ARCHITECT, 11 years' experience, Final standard, partly school trained schools, housing, specification writing, supervision of works, car owner, married, £550 p.a. requires post. Box 4220.

INDIAN Student, passed R.I.B.A. Final 6 years' office experience, with 4 years in small private London office, seeks job, preferably London or near. Write to Prakash, 73, Woodstock Avenue, London, N.W.11. 220

BUILDING MATERIALS

Science and Practice

by CECIL C. HANDISYDE, A.R.I.B.A., A.A. Dip., with a foreword by A. H. MOBERLY, Chairman of the Text and Reference Books Committee of the Royal Institute of British Architects.

THIS, THE FIRST OF THREE BOOKS written and published at the recommendation of the Royal Institute of British Architects, provides up-to-date information on building materials in a form most useful to architectural students and to practising architects. Mr. Handisyde deals both with traditional materials and the many new materials which have come into use during the past two decades and takes full account of the very considerable amount of recent scientific research which has been brought to bear on all materials, old and new alike. He examines thoroughly those problems of increasing concern to architects today—to what extent alternative materials will provide comfortable buildings, warm and quiet and secure against fire, as well as weatherproof and durable.

Bound in full cloth boards. Size 9 ins. by 5½ ins., 336 pages, 58 diagrams and photographs. Price 25s., postage 10d.

THE ARCHITECTURAL PRESS

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

L.C.C. BRIXTON SCHOOL OF BUILDING

Ferndale Road, S.W.4

Principal
 D. A. G. REID, B.Sc.(Eng.), A.M.I.C.E., A.M.I.Struct.E.
 Tel. BRIxton 2068/9.

SESSION 1951-52.

FULL-TIME COURSES in Building, Architecture, Structural Engineering, Surveying, Decoration and Painting.

Three or five year courses provide training for professional, administrative and executive positions in the building industry and prepare students for the examinations of the Institute of Builders, Royal Institute of British Architects, Institution of Structural Engineers, Royal Institution of Chartered Surveyors and Institute of British Decorators.

PART-TIME DAY AND EVENING COURSES: National Certificate courses in Building, Structural Engineering, Civil Engineering: Professional courses in Architecture, Town Planning, Structural Engineering, Surveying, Decoration: City and Guilds Courses in Building Trades.

Workshops available for all Building Trades.

Session 1951-52 commences Tuesday, 4th September, 1951.

Full particulars may be obtained from the Secretary at the School. (499)

FITZPATRICK'S

Specialists in the construction of

ROADS, FOOTPATHS
 DRAINAGE
 FACTORY FLOORING
 FOUNDATIONS, etc.

FITZPATRICK & SON (Contractors) LTD.

455, OLD FORD ROAD, LONDON, E.3.

Contractors to the Government, County and Municipal Authorities.

CHARTERED ARCHITECT, with wide experience, including Industrial and Welfare Buildings, desires engagement. Box 227.

ASSOCIATE (27), school trained, 2 years' office experience, seeks post, London area, with Architect of contemporary outlook. Box 228.

Other Appointments Vacant

4 lines or under, 7s. 6d.; each additional line, 2s.

OFFICE BOY required in Architect's office. School Certificate essential. Salary by arrangement. Apply in writing to G. Lacoste, A.R.I.B.A., 39, Gordon Square, W.C.1. 4243

Services Offered

4 lines or under, 7s. 6d.; each additional line, 2s.

QUALIFIED ENGINEER has capacity available for Civil and Structural Design. Box 4092.

ARCHITECT, Dipl.Arch., A.R.I.B.A., own office, offers services in all branches at agreed rates to practising Architects, especially in Leeds, Bradford, Huddersfield areas. Box 4205.

ARCHITECTURAL MODELS and Dioramas. Edward J. Ashenden, A.R.C.A., 15, Chenil Studios, 183, Kings Road, S.W.3. Tel.: Flax 6103. 2566

FREELANCE Surveyor offers Services to Architects requiring accurate surveys of land and buildings, levelling, contouring, etc.; own car and complete equipment. 2772

For Sale or Wanted

4 lines or under, 7s. 6d.; each additional line, 2s.

WANTED.—Vertical Planfile (Steel), complete with pockets and folders; size approx. 4 in. high, 31 in. deep, and 48 in. wide. Particulars and price to Hattrell & Partners, 1, Queens Road, Coventry. 4217

FOR SALE.—Existing Oak Panelling to room 21 ft. 6 in. by 12 ft. 6 in. by 7 ft. high, with a moulded plate rail, plus large ingle nook with seats; all in perfect condition. Offers to Box No. F.S.50, 10, Hertford Street, W.1. 4228

WATTS Zeiss pattern Level, in excellent condition. Very little used. Complete with case and tripod. May be seen by appointment. Any reasonable offer accepted. Elphick, 27, Granville Road, Frizinghall, Bradford. 4224

UNIVERSITY OF MANCHESTER, Sch. of Arch.—An attractive School Tie now being manufactured. Price 14s., post free. C.W.O. to J. H. Schofield at the School. 4225

STUDIO AND PERIOD HOUSE.—Possession of Studio and self-contained Maisonette of 4 rooms, kitchenette, bathroom, etc. Situated in delightful West London square. 47,500. Freehold. Morton & Waters, 310, King Street, Hammersmith, W.6. Riverside 1080. 4254

RIVERSIDE RESIDENCE.—Hammersmith Mail. Extensive view. 8 rooms, bathroom, kitchen, etc., garage. Splendid condition. Vacant possession. Freehold, £5,700. Morton & Waters, 310, King Street, Hammersmith, W.6. Riverside 1080. 4255

Miscellaneous

4 lines or under, 7s. 6d.; each additional line, 2s.

A. J. BINNS, LTD., Specialists in the supply and fixing of all types of Fencing, Gate and Cloakroom Equipment. Harvest Works 99-107, St. Paul's Road, N.1. Canonbury 2861.

FRENCH POLISHERS.—Wm. Burton's, for every style of polishing. 26, Foulser Road Upper Tooting, S.W.17. BAl. 3968. 2517

WINKFIELD MANOR NURSERIES.—ASCOT, lay out Rock and Formal Gardens and Labourless "Allweather" Tennis Courts. Right Chelsea Gold Medals since 1947. Contractors to the Festival of Britain. Winkfield Row 1716

SHIRTS, SOCKS repaired, by post. Also Pyjamas, Underwear, Household Linen. Send S.A.E. for details.—B2, Oseve (Regd.), 6 Silver Crescent, London, W.4. CHL 0765. 4232

PHOTOGRAPHY.—John Vickers, A.I.B.P., known for his individual portraits of professional men and women, has also made a special study of the reproduction of Murals, pictures and other works of Art. Unorthodox problems are particularly welcomed. 29B, Belgrave Road, London, S.W.1. VIC. 4915. 4225

Educational Announcements

4 lines or under, 7s. 6d.; each additional line, 2s.

R. I.B.A. and T.P.I. EXAMS.—Stuart Stanley, R. M.A., F.R.I.B.A., M.T.P.I., T.P.Distn. (Tutor Sch. of Arch. Lon. Univ.), and G. A. Crockett, B.A., A.R.I.B.A. (Medallist), A.M.T.P.I., F.R.S.A., prepare students by correspondence tuition. Stuart Stanley & Crockett, 10, Adelaide Street, Strand, W.C.2. TEM. 1603/4.

UNIVERSITY OF MANCHESTER.
THE NEXT SESSION
COMMENCES ON THURSDAY, 4th OCTOBER, 1951. 4219

RIBA INTER, FINAL & SPECIAL FINAL

Postal Courses in all subjects of the 1951 exam syllabus (including Professional Practice) are conducted by **THE ELLIS SCHOOL OF ARCHITECTURE**
Principal: A. B. Waters, M.B.E. G.M., F.R.I.B.A.
103B, OLD BROMPTON RD., LONDON, S.W.7
Phone: KEN 8641 and at Worcester

QUANTITY SURVEYING

Postal Courses for R.I.C.S., I.A.A.S., and I.Q.S. Exams in all subjects of each syllabus. Tuition by well qualified tutors under the direction of the Principal, A.B. Waters M.B.E., G.M., F.R.I.B.A. Descriptive booklet on request.

THE ELLIS SCHOOL
103B, OLD BROMPTON RD., LONDON, S.W.7
Phone: KEN 8641 and at Worcester

NORTHERN POLYTECHNIC HOLLOWAY, LONDON, N.7.

Principal: T. J. DRAKELEY, D.Sc., Ph.D. (London), F.R.L.C., F.I.R.I.

Head of Department of Architecture:
T. E. SCOTT, C.B.E., F.R.I.B.A.

DAY SCHOOL OF ARCHITECTURE

The Northern Polytechnic Diploma in Architecture which is awarded on the successful completion of the five years' full-time course and subsequent passing of the examination in Professional Practice, qualifies students for exemption from the Final Examination for Association of the Royal Institute of British Architects. The Diploma is also accepted by the Architects' Registration Council of the United Kingdom as a qualification for registration under the Architects (Registration) Acts, 1931-1938.

School year begins 24th September, 1951.

Fees—£25 per annum.

Students under the age of 18 may be admitted free

EVENING SCHOOL OF ARCHITECTURE

(Five years' Course recognised by the R.I.B.A. for exemption from the Intermediate Examination.)

New Session begins 24th September, 1951.

Fees from 25s. to 65s. per course.

Special Design classes, and lectures on the Theory of Structures, Hygiene, Materials, Specifications, and Professional Practice in preparation for the Final Examination of the R.I.B.A.

ENTRY TO THE SCHOOLS. Intending day students are interviewed by appointment. Intending evening students will be interviewed from 5.30-7.30 p.m. on 17th and 18th September, 1951, or on any subsequent evening by appointment.

Prospectus post free on application.

Telephone: NORth 1686.

for "inside & outside" use
"Aspilin Gloss"
FOR "SHEER" QUALITY ENAMEL PAINT
ASPINALLS (PAINTS) LTD-CARLETON-SKIPTON-YORKS

LINOLEUM

Information Sheets
19/G1, 2, 3 & 4

Reprints available on application to:—

Linoleum Manufacturers' Association,
278/287, Regent Street, London, W.1.

COLEMANOID
WATER PROOFERS
AND HARDENERS
Gail Kell

THE ADAMITE COMPANY LIMITED
MANFIELD HOUSE, STRAND, W.C.2

KINNEAR PATENT STEEL ROLLING SHUTTERS
Head Office: 10, St. James's Place, London, W.1.
Sole Manufacturers: **ARTHUR L. GIBSON & CO LTD**
Branch Offices: Birmingham, 14, Victoria Road; Manchester, 40, Chancery; Glasgow, 10, Argyll Street.

SPECIFY ELLISON
for Main Electric Switchgear
IT'S RELIABLE
MADE BY GEORGE ELLISON LIMITED, PERRY BARR, BIRMINGHAM. 228

PROFESSIONAL ADVANCEMENT

through **ICS** STUDY COURSES

ICS. Home Study Courses help the professional man to further his career. They include many courses for Membership Examinations of the various technical bodies. Brilliant successes have been recorded in the spheres of architecture, building, and surveying. Here are some of the subjects in which we offer fully qualified instruction:—

Architecture	Surveying and Mapping
Architectural Drawing and Designing	Plan and Map
Building Contracting	Draughtsmanship
Building Construction and Interior Work	Structural Engineering
Building Construction and Quantities	Concrete Engineering
Building Specifications	Structural Drawing
Quantity Surveying	Construction Draughtsmanship
Civil Engineering	Sanitary Engineering
	Air Conditioning
	Heating and Ventilation

Special Courses for the examinations of the R.I.B.A., I.O.B., R.I.C.S., Inst.C.E., I.M.E. (Building Inspectors), Inst.Struct.E., I.Q.S., Inst. Clerk of Works, etc. Examination students are coached till successful. Write to-day for free booklet describing our Course in any of the subjects mentioned above.

Generous Discount granted to members of H.M. Forces

International
CORRESPONDENCE SCHOOLS

Dept. A.J. International Buildings, Kingsway
London, W.C.2.

Alphabetical Index to Advertisers

	PAGE		PAGE		PAGE
Acerington Brick & Tile Co., The	ix	Fitzpatrick & Son (Contractors), Ltd.	ix	Phoenix Rubber Co., Ltd.	ix
Adamite Co., Ltd., The	lxi	Foulkes, A. D., Ltd.	liv	Pilkington Brothers, Ltd.	xix
Adshhead Ratcliffe & Co., Ltd.	xxxiv	Franki Compressed Pile Co., Ltd., The	—	Pollard, E. & Co., Ltd.	xxxvii
Anderson Construction Co., Ltd.	xviii	Gas Council, The	—	Power Utilities, Ltd.	xxxix
Anderson, D. & Son, Ltd.	—	Gent & Co., Ltd.	—	Ravipug Co., Ltd., The	—
Architects' Benevolent Society	liii	Gibson, Arthur L. & Co., Ltd.	lxi	Rely-a-Bell Burglar & Fire Alarm Co., Ltd.	xxvi
Architectural Press, Ltd., The	lvi, lix, lx	Greenwood's & Airvac Ventilating Co., Ltd.	—	Richardson & Starling, Ltd.	lv
Arens Controls, Ltd.	xii	G.W.B. Electric Furnaces, Ltd.	xxiv	Rippers, Ltd.	xxxii
Armstrong Cork Co., Ltd.	—	Hall, Robert H. & Co. (Kent), Ltd.	liii	Rolyat Tank Co., Ltd., The	—
Aspinalls (Paints), Ltd.	lxi	Harper, John, & Co., Ltd.	—	Rownson, Drew & Clydesdale, Ltd.	liv
Austins of East Ham, Ltd.	—	Harvey, G. A. & Co. (London), Ltd.	—	Rubery Owen & Co., Ltd.	xxvi
Baldwin, Son & Co., Ltd.	lv	Heywood, W. H. & Co., Ltd.	—	Sadd, John, & Sons, Ltd.	xxix
Banister, Walton & Co., Ltd.	—	Hills (West Bromwich), Ltd.	—	Salter, T. E., Ltd.	xxiv
Bath Cabinet Makers & Artcraft, Ltd.	—	Hollis Brothers, Ltd.	lvi	Sankey, Joseph, & Sons, Ltd.	—
Berkhamsted Brick Co., Ltd.	xxxvi	Hollway, W. F. & Brother, Ltd.	—	Saunders & Taylor, Ltd.	—
Bigwood, Joshua, & Son, Ltd.	—	Hope, Henry, & Sons, Ltd.	xliv	Scaffolding (Gt. Britain), Ltd.	ix
Blackburn, Thomas, & Sons, Ltd.	—	Horseley Bridge & Thomas Piggott, Ltd.	—	Scharin Products, Ltd.	—
Blundell Spence & Co., Ltd.	xlix	Isstock Brick & Tile Co., Ltd.	—	Sealanco (St. Helens), Ltd.	viii
Boulton & Paul, Ltd.	x	Insulate Products Corporation, Ltd.	—	Semtex, Ltd.	—
Braby, F. & Co., Ltd.	—	Institute of Registered Architects	—	Simplex Electric Co., Ltd.	xix
Briggs, Wm., & Sons, Ltd.	—	International Correspondence Schools	lxi	Smith, H. V. & Co., Ltd.	xlvi
British Insulated Callender's Cables, Ltd.	xxii	Jenson & Nicholson, Ltd.	lii	Smith & Pearson, Ltd.	xxv
British Plimber, Ltd.	xxxix	Johnson & Phillips, Ltd.	—	Smith & Wellstood, Ltd.	—
Britmac Electrical Co., Ltd.	xxxix	Kenyon, Wm., & Sons, Ltd.	—	Smith's Fireproof Floors, Ltd.	—
Brixton School of Building	lxi	Kerner-Greenwood & Co., Ltd.	—	Stafford Concrete Buildings, Ltd.	xxxiv
Broads Manufacturing Co., Ltd.	lvi	Kingfisher, Ltd.	—	Staines Kitchen Equipment Co., Ltd.	—
Cargo Fleet Iron Co., Ltd.	—	Kinnear Shutters	lxi	Storry Smithson & Co., Ltd.	xxviii
Carter & Co., Ltd.	—	Laing, John, & Son, Ltd.	lxiv	Tarmac, Ltd.	—
Celotex, Ltd.	xxi	Lamont, James H. & Co., Ltd.	—	Taylor, R. & Co. (Ironfounders), Ltd.	liv
Cement Marketing Co., Ltd., The	xxvii	Lightfoot Refrigeration Co., Ltd., The	—	Tentest Fibre Board Co., Ltd.	vi
Chance Bros., Ltd.	—	Limmer & Trinidad Lake Asphalt Co., Ltd.	lxiii	Thames Plywood Mfrs., Ltd.	—
Church & Co. (Fittings), Ltd.	liv	Lindsays Paddington Ironworks (1948), Ltd.	—	Thermacoust, Ltd.	xxxviii
Clarke Eillard Engineering Co., Ltd.	—	Lincolnum Manufacturers' Association	lxi	Thompson, John (Beacon Windows), Ltd.	xiii
Cole, E. K., Ltd.	ii	Lockhart Equipment, Ltd.	xiv	Thornton, A. G., Ltd.	lv
Colt Ventilation, Ltd.	xx	McKechnie Bros., Ltd.	—	T.M.C. Harwell (Sales), Ltd.	—
Compression Joints, Ltd.	lxiii	Mallinson, W. & Sons, Ltd.	xlvi	Tretol, Ltd.	xxx
Cox, Peter, & Partners, Ltd.	—	Marbolith Flooring Co., Ltd., The	xxiii	Triad Floors, Ltd.	xx
Crane, Ltd.	—	Marley Tile Co., Ltd., The	xi	True Flu, Ltd.	xxx
Croft Granite, Brick & Concrete Co., Ltd.	lv	Marryat & Scott, Ltd.	—	Tucker, J. H. & Co., Ltd.	xxviii
Croogon & Co., Ltd.	liii	Mathews & Yates, Ltd.	—	Turner, E. & Sons, Ltd.	—
Denny, Mott & Dickson, Ltd.	iii	Medway Buildings & Supplies, Ltd.	—	Turner, Charles, & Son, Ltd.	xxxviii
Elgood, E. J., Ltd.	lv	Metallie Seamless Tube Co., Ltd., The	xl	Universal Asbestos Manufacturing Co., Ltd., The	vii
Ellis, John, & Sons, Ltd.	xvi	Midland Woodworking Co., Ltd.	—	Vulcan Products, Ltd.	xii
Ellison, George, Ltd.	lxi	Mills Scaffold Co., Ltd.	ii	Walker Crowther & Co., Ltd.	xix
Ellis School of Architecture, The	lxi	Moler Products, Ltd.	—	Walpamur Co., Ltd., The	xvii
Esavian, Ltd.	xlvi	Neuchatel Asphalt Co., Ltd., The	i	Wareite, Ltd.	—
Etchells, Congdon & Muir, Ltd.	—	New Day Electrical Accessories, Ltd.	lii	Ward, Thomas W., Ltd.	xxxv
Evans, Wm., & Co. (Distributors), Ltd.	ii	Northern Aluminium Co., Ltd.	lxi	Wardle Engineering Co., Ltd.	—
Evode, Ltd.	liii	Northern Polytechnic	—	Wheatly & Co., Ltd.	xxv
Exfoliators (Vermiculite), Ltd.	—	Ozalid Co., Ltd.	lii	Whittle, R. W., Ltd.	—
Ezee Kitchen Equipment, Ltd.	xlii	Paul, W. H., Ltd.	—	Williams & Williams, Ltd.	iv
Falkirk Iron Co., Ltd., The	xxxiii	Phillips Electrical, Ltd.	xlvi	Zinc Alloy Rust Proofing Co., Ltd.	lxii
Farniloe, T. & W., Ltd.	—				
Fibreglass, Ltd.	—				
Finch, B., & Co., Ltd.	—				

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

YOURS for the Asking

LEARN HOW TO:-

SPECIFY,

TEST.

USE.

SHERARDIZING

ZINC ALLOY RUST PROOFING CO. LTD.

SHAKESPEARE STREET, WOLVERHAMPTON

TELEPHONE : WOLVERHAMPTON 20647/8

ALSO AT LONDON & ROCHDALE.

SHERARDIZING



PAGE
xli
xxxvii
xxxii
xxxvi
lv
xxxii
liv
xli
xxix
xxiv
ix
viii
xiv
xliix
xxxv
xxxix
xxxviii
xxxvii
liv
vi
xxxviii
xiii
iv
xxi
xx
xxx
xxxviii
xxxviii
vii
xii
xlix
xvii
xxxv
xxv
iv
ix

CHEA

CH

PER

MAN
FROM
CO
AL

CHEAPER TO BUY

CHEAPER TO FIX

PERFECTLY
STREAMLINED

MANUFACTURED
FROM LATEST
CORROSION RESISTING
ALLOY

MADE TO
BRITISH STANDARD
SPECIFICATION

QUALITY

A much welcomed and fast becoming popular newcomer to the capillary or soldered range of joints. Fixing time has been slashed to the minimum, with the use of Tex joints and Frytex solder paint, the latest and best fixing method yet. Neat, with cunning streamlined proportions.

TEX JOINTS CAN ALSO BE WELDED

**COMPRESSION
JOINTS LTD.**

TYBURN ROAD
BIRMINGHAM 24



Tex

ONE OF THE GOOD
CAPILLARY JOINTS

HARDWEARING

FLOORINGS

IN
COLOURED ASPHALT
OR
DECORATIVE TILES

THE
LIMMER & TRINIDAD

LAKE ASPHALT CO., LTD.
STEEL HOUSE, TOTHILL ST., WESTMINSTER, LONDON, S.W.1
TELEPHONE: WHITEHALL 6776



BELSIZE COURT, HAMPSTEAD. Architect: A. J. Butcher, F.R.I.B.A.



BRACKNELL GATE, HAMPSTEAD. Architect: Brian L. Sutcliffe, F.R.I.B.A.

LONDON'S BEAUTIFUL FLATS

Many admirable schemes of modern flats have been completed which have added to the architectural beauty of London. Here are illustrated three schemes undertaken by this Company, and we are proud to see that Manor Fields is considered by leading architects to be the finest scheme of its kind.

*John Laing and Son Limited, Building and Civil Engineering Contractors
London, Carlisle, Johannesburg, Lusaka. Established in 1848*

LAING



MANOR FIELDS, PUTNEY. Architects: Coleridge, Jennings and Solmenow



B.A.

