

# THE ARCHITECTS' JOURNAL



## standard contents

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

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## CURRENT BUILDING

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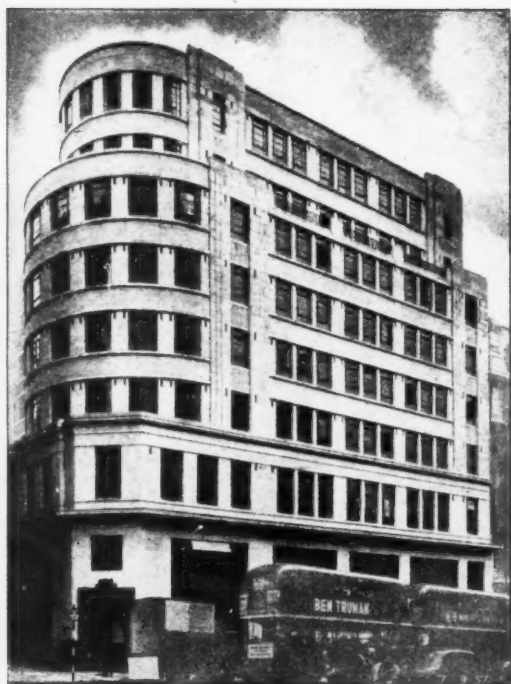
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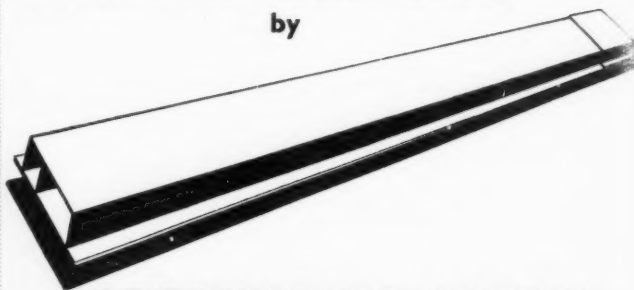
★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to Ig one week, Ih to Z the next. In all cases where the town is not mentioned the word LONDON is implicit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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Langham 5721
ABT	Association of Building Technicians. 1, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
ARCUK	Architects' Registration Council. 78, Wimpole Street, W.1.	Wellbeck 2915
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Langham 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1. Reliance 7611, Ext. 1706	
BC	Building Centre. 26, Store Street, Tottenham Court Road, W.C.1.	Museum 5400
BCC	British Colour Council. 13, Portman Square, W.1.	Wellbeck 4185
BCCF	British Cast Concrete Federation. 105, Uxbridge Road, Ealing, W.5.	Ealing 9621
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 10, The Boltons, S.W.10.	Fremantle 8494
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2	Glasgow Central 2891
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Whitehall Gardens, Horseguards Avenue, Whitehall, S.W.1.	Trafalgar 8855
BRS	Building Research Station. Bucknalls Lane, Watford	Garston 4040
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. British Standards House, 2, Park St., W.1.	Mayfair 9000
BTE	Building Trades Exhibition. 32, Millbank, S.W.1.	Tate Gallery 8134
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Civic Centre, Newport, Mon.	Newport 65491
CAS	County Architects' Society. C/o F. R. Steele, F.R.I.B.A., County Hall, Chichester.	Chichester 3001
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Belgravia 6661
CCP	Council for Codes of Practice. Lambeth Bridge House, S.E.1.	Reliance 7611 Ext. 1284
CDA	Copper Development Association. 55, South Audley Street, W.1.	Grosvenor 8811
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderal, 7, Zurich, Switzerland	
COID	Council of Industrial Design. 28, Haymarket, S.W.1.	Trafalgar 8000
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.1.	Sloane 4280
CUC	Coal Utilization Council. 3, Upper Belgrave Street, S.W.1.	Sloane 9116
CVE	Council for Visual Education. 13, Suffolk Street, Haymarket, S.W.1.	Reading 72255
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 7611
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DPT	Department of Overseas Trade. Horseguards Avenue, Whitehall, S.W.1.	Trafalgar 8855
EJMA	English Joinery Manufacturers' Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 68, Gloucester Place, W.1.	Wellbeck 9966
FASS	Federation of Association of Specialists and Sub-Contractors, Artillery House, Artillery Row, S.W.1.	Abbey 7232
FBBDO	Fibre Building Board Development Organization, Ltd. (Fidor), 47, Princes Gate, Kensington, S.W.7.	Kensington 4577
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	Regent 0221
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd., Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FPC	The Federation of Painting Contractors, St. Stephen's House, S.W.1.	Whitehall 3902
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4341
GPDA	Gypsum Plasterboard Development Association, 11, Ironmonger Lane, E.C.2.	Monarch 8888
GC	Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
GG	Georgian Group. 2, Chester Street, S.W.1.	Belgravia 3081
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 29, Belgrave Square, S.W.1.	Belgravia 3755
ICA	Institute of Contemporary Arts. 17-18, Dover Street, Piccadilly, W.1.	Grosvenor 6186
ICE	Institution of Civil Engineers. 1, Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, Victoria Embankment, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers. 17, Grosvenor Crescent, S.W.1.	Sloane 8266



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Electrical Contractors: Berkeley Electrical Engineering Co., Ltd.,  
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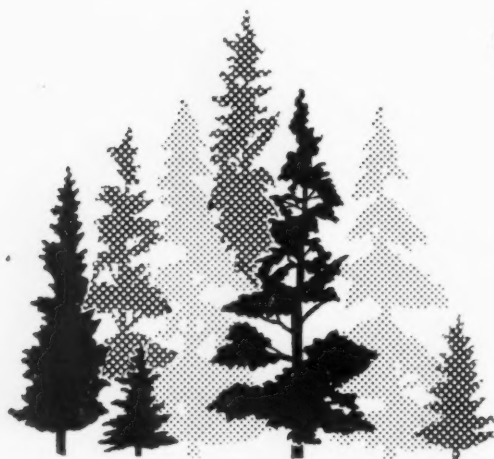
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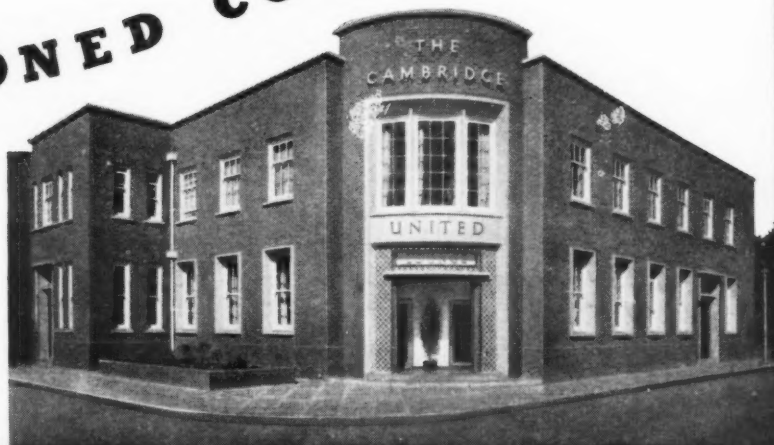
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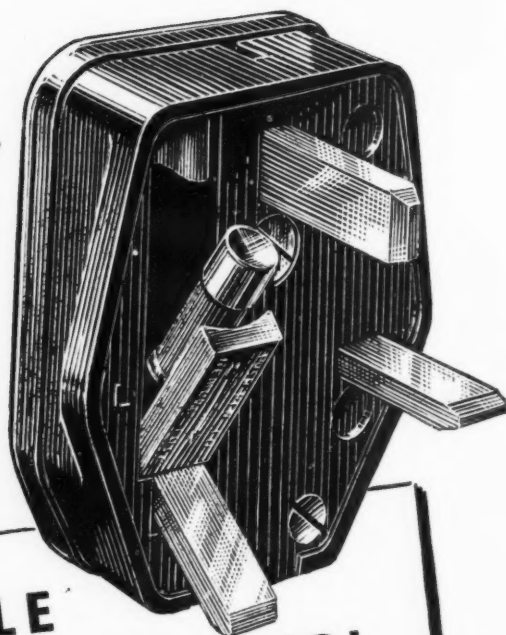
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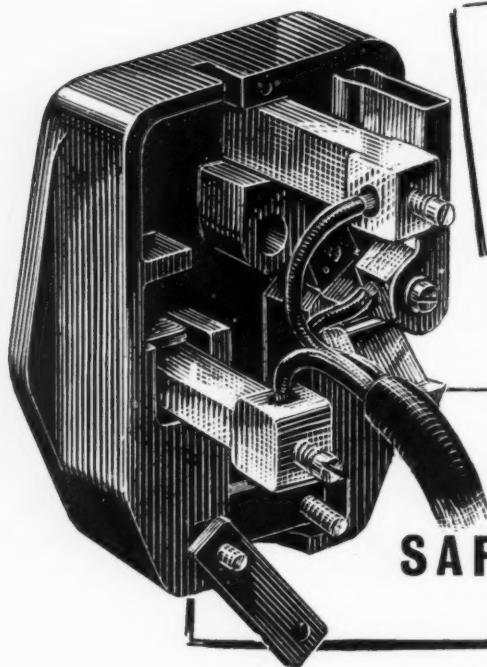
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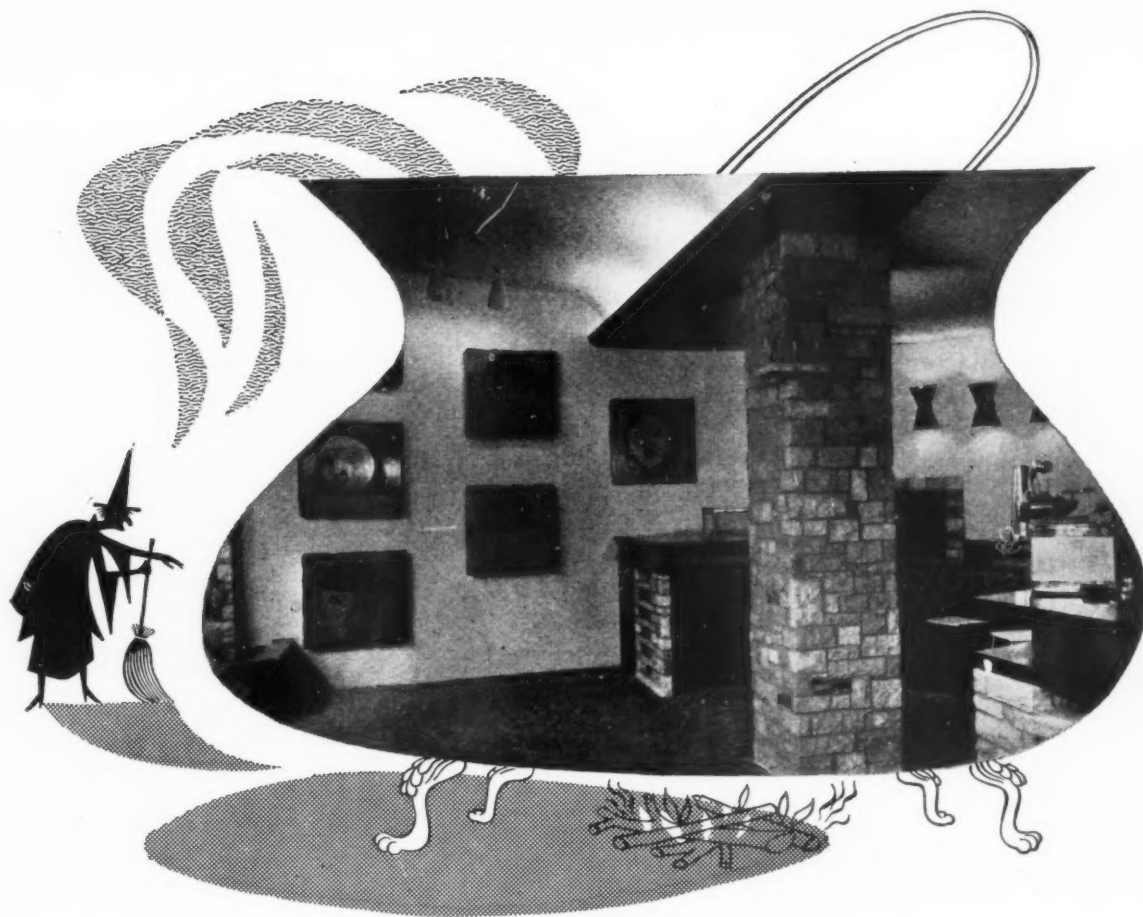
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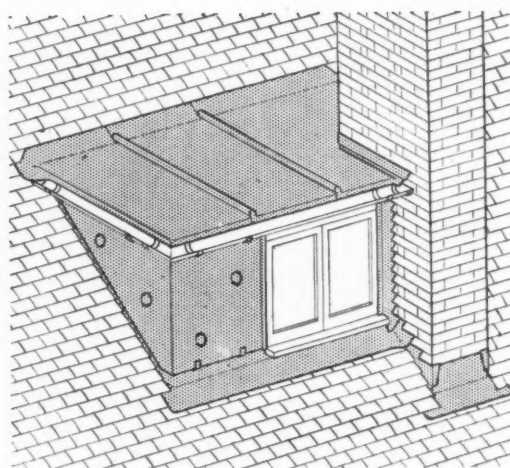
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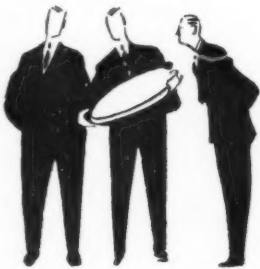
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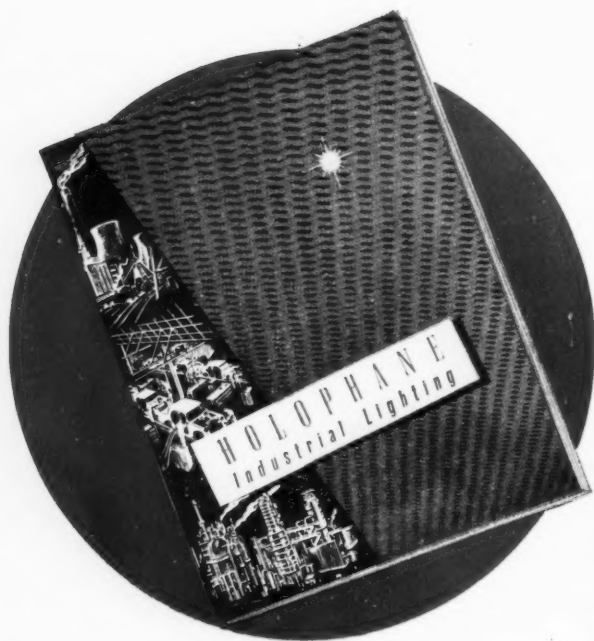
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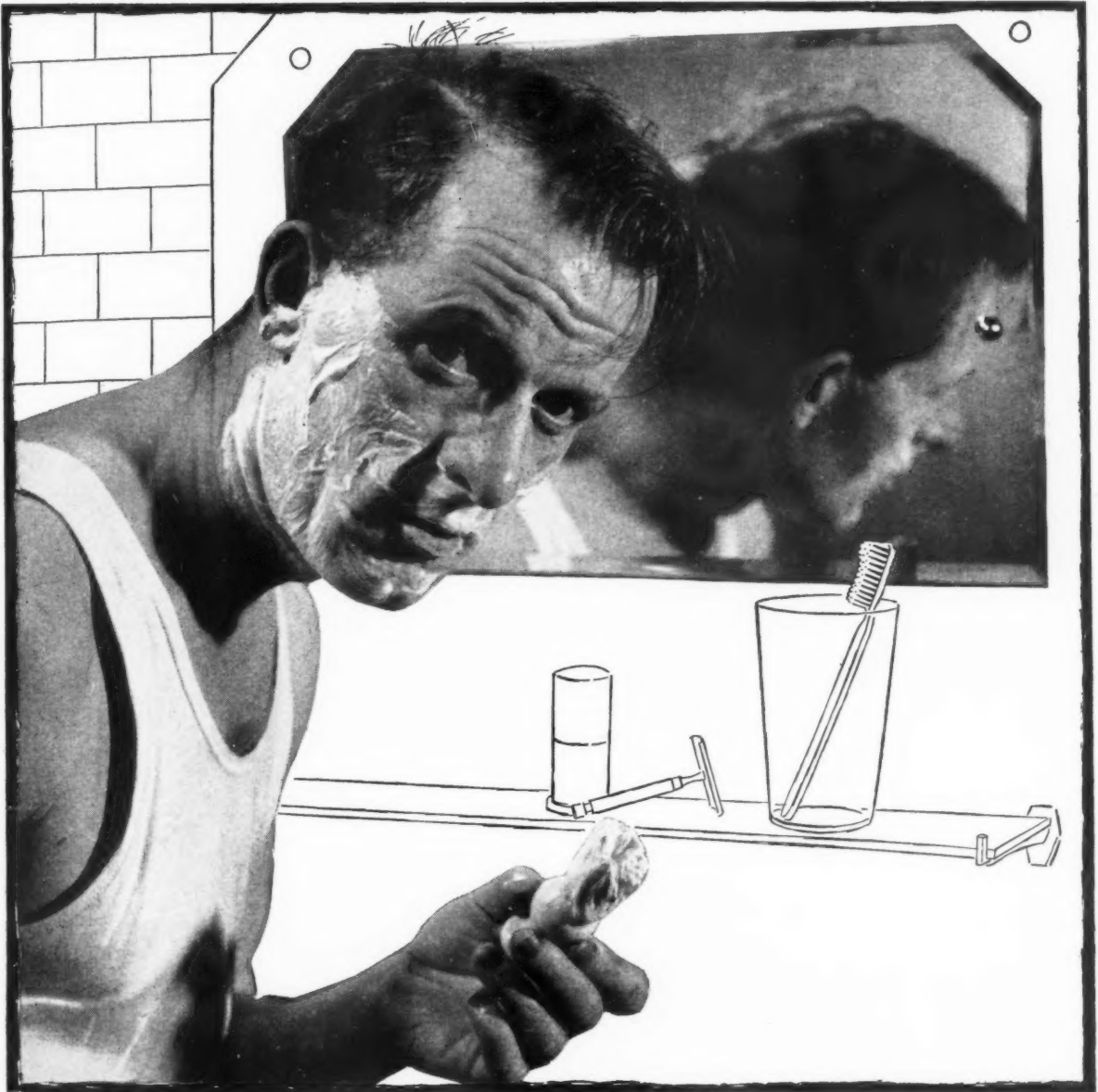
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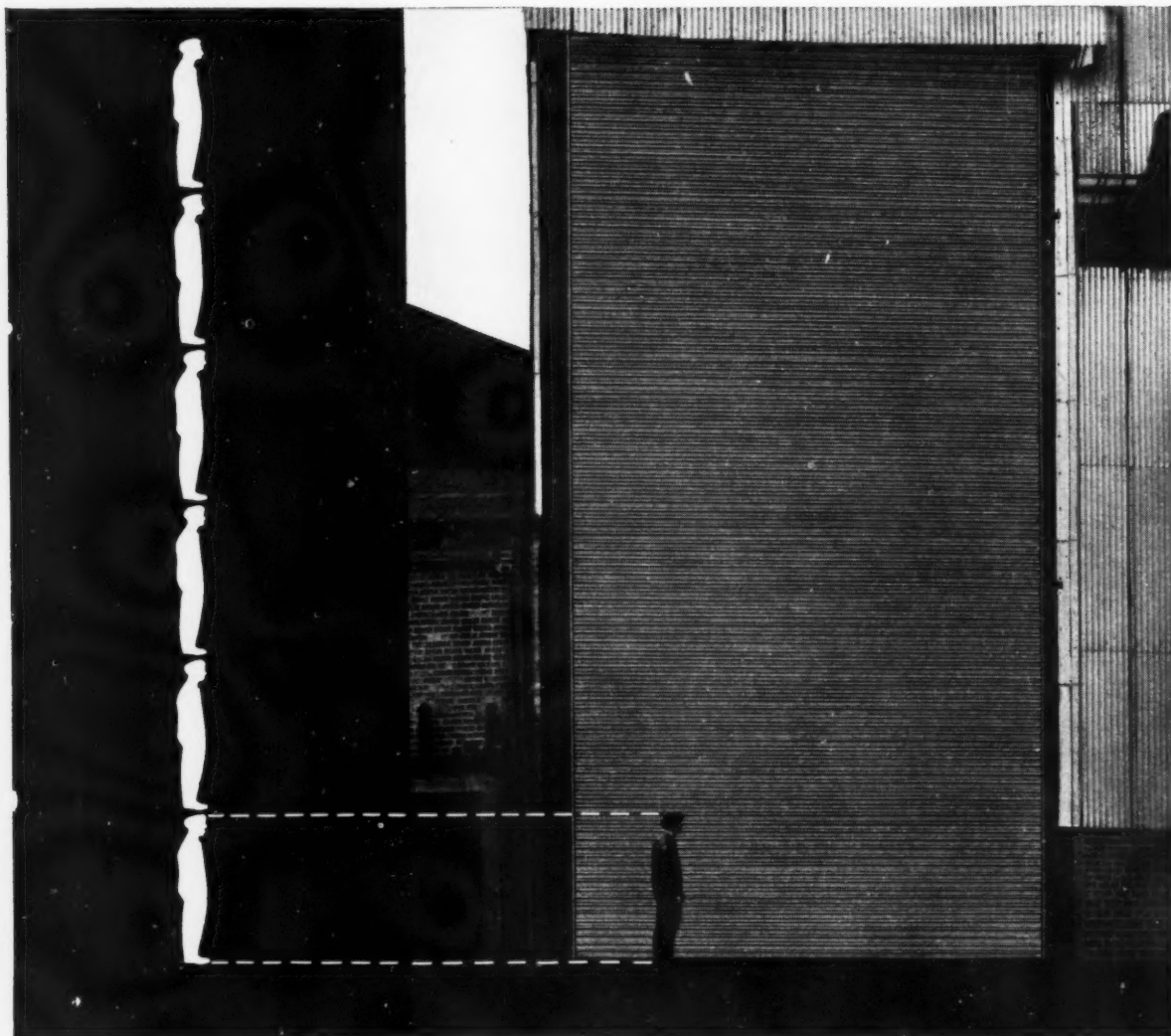
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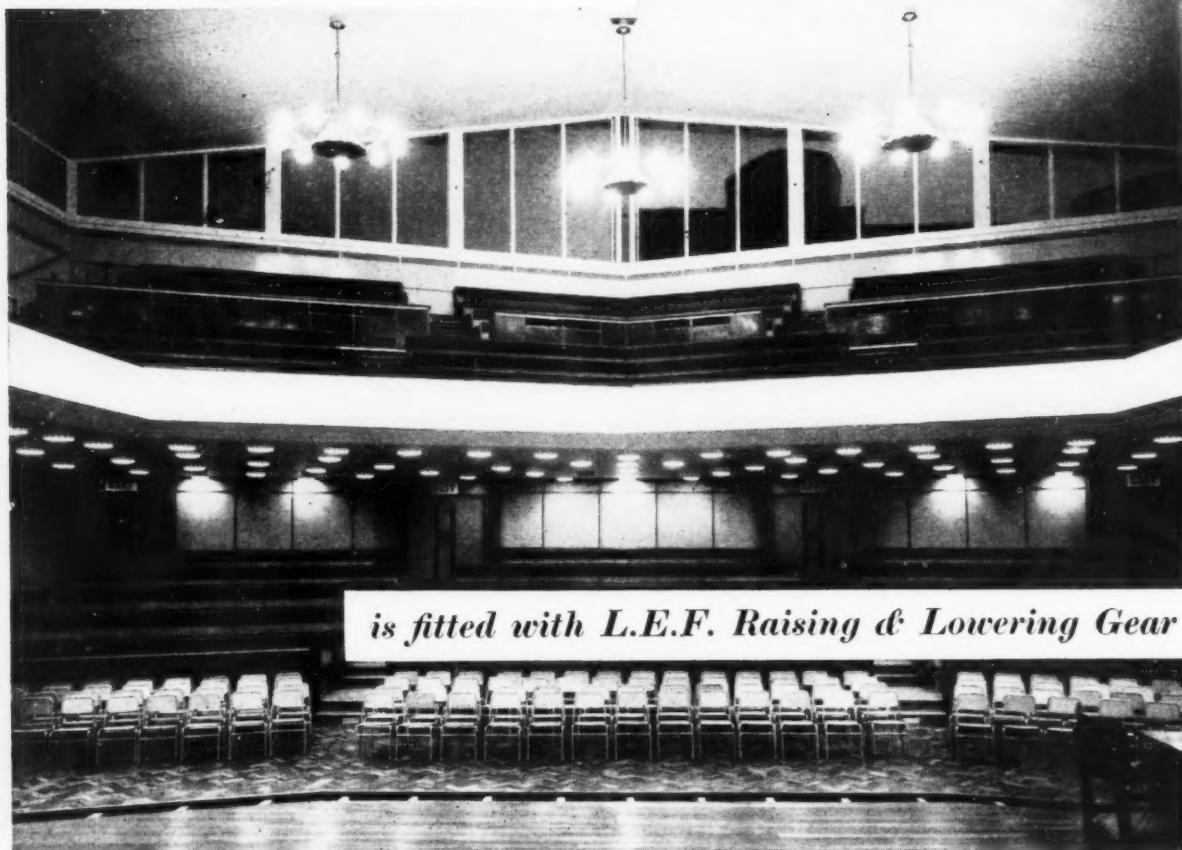
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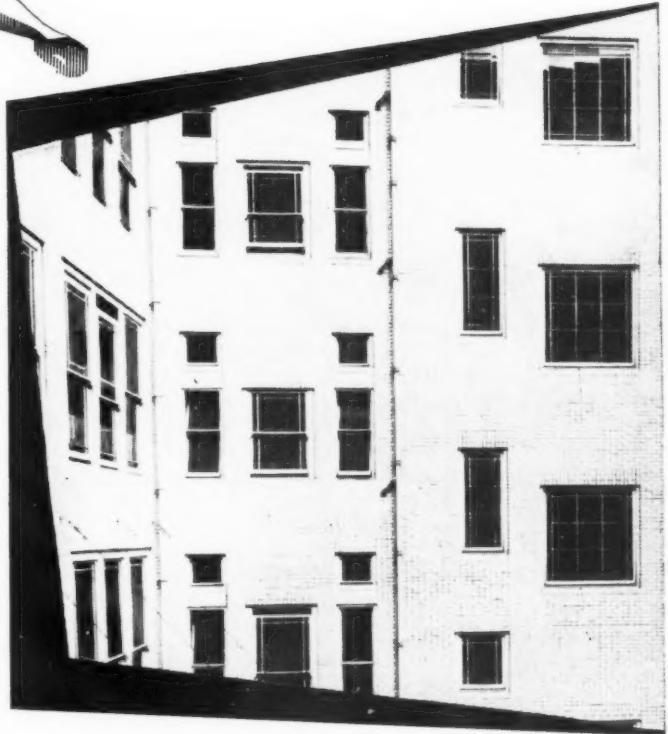






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glazed bricks and tiles should be used.

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PRODUCTS OF THE *Leeds Fireclay* GROUP OF COMPANIES

WORTLEY, LEEDS 12. Tel. LEEDS 638021

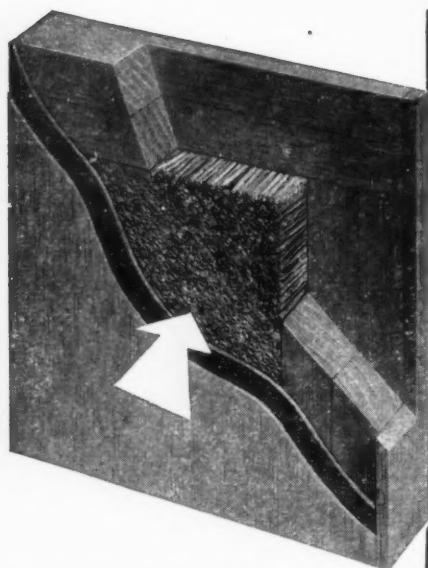
LONDON OFFICE: LEEDS HOUSE, CAVENDISH PLACE, LONDON, W.1. Telephone: LAngham 3511. Telegrams: FIRECLAY WESDO LONDON  
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## The New Flush Door

**THAMESPLY  
WERNO**

**STRENGTH IS IN THE CORE**



### THIS TUBULAR CORE MEANS A BETTER DOOR

Every square foot of the new Thamesply-Werno Flush Door is packed with more than 10,000 equal length tubes of straw. The patent production process ensures uniformity of thickness and density.

POINT FOR POINT, PRICE FOR PRICE,  
THIS THAMESPLY-WERNO FLUSH DOOR  
STANDS HEAD AND SHOULDERS ABOVE THE  
ORDINARY FLUSH DOOR.



The Thamesply-Werno tubular core construction gives these advantages over the average flush door:-

- ★ Greater strength and resistance to impact
- ★ Up to 40% more soundproof
- ★ Greater thermal insulation because of the closed cell construction
- ★ More fire resistant. Straw closely packed does not burn easily
- ★ Sealed against pest infestation.
- ★ Doors shot to exact size.

**PLYWOOD-FACED INTERIOR AND EXTERIOR DOORS**  
**HARDBOARD-FACED INTERIOR DOORS**



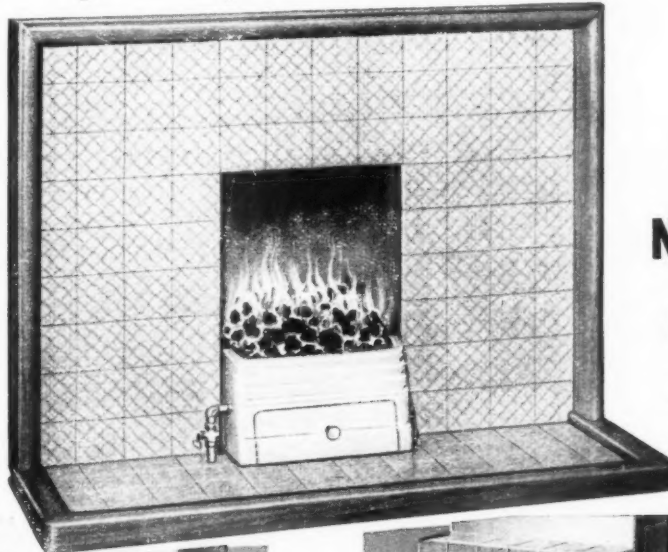
*Supplied only through the usual trade channels*

**THAMES PLYWOOD MANUFACTURERS LTD.**  
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# Greater Comfort for the Smaller Home

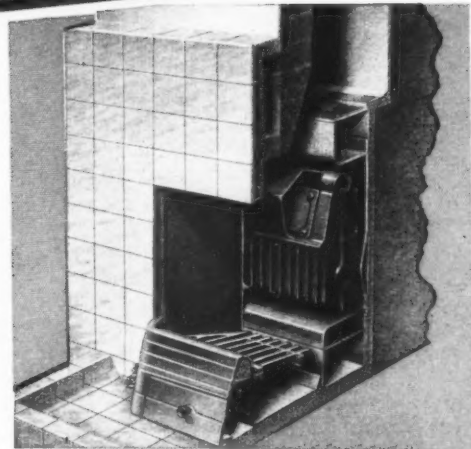
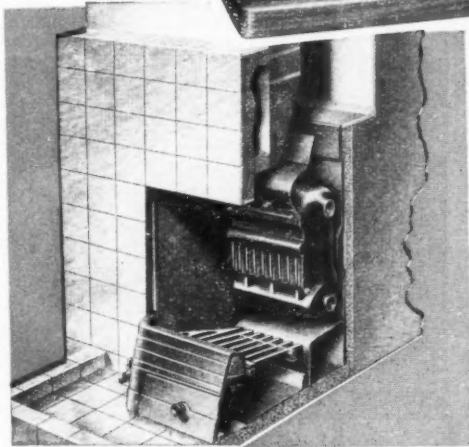
## IDEAL NEOFIRE No. 2C

British Patent No. 591977



## IDEAL NEOFIRE No. 10

British Patent No. 753719



The Ideal No. 2C Neofire is a cheerful open fire, backed by a boiler specially designed to provide the combination of Domestic Hot Water Supply and Background Heating. The boiler will heat up to 3 radiators in other parts of the house, and the domestic supply is obtained by the 'Indirect' method, which entails the installation of an Ideal Indirect Cylinder of appropriate capacity.

The Ideal No. 10 Neofire is primarily designed for Direct Hot Water Supply, with a cylinder of not less than 30 gallons. The boiler can be Bower-barfed (rust resistant treatment) for use in soft water districts. In hard water areas the No. 10 Neofire can be installed to provide both Domestic Hot Water and Background Heating.

Each Neofire has a boiler of sufficient power to take care of approximately 40 square feet of radiation, plus an average amount of piping, and to provide hot water for all domestic purposes with a cylinder of 20 gallon nominal capacity. Though primarily designed to burn coke, Ideal Neofires will also burn coal, anthracite or special fuels; they consume approximately 2 lb. per hour, utilising up to 60 per cent of the heat contained in the fuel, compared with 15-20 per cent by the ordinary open fire.

Standard colours are Cream Mottle, Black, Copper Lustre.

## IDEAL NEOFIRE

**Over 170,000 NOW INSTALLED in post-war homes!**

A working demonstration model of the Ideal Neofire may be seen at Ideal House, Great Marlborough Street, London, W.1

IDEAL BOILERS & RADIATORS LIMITED • IDEAL WORKS • HULL



328



**Simplex**

introduces

**Contemporary  
Well Glass  
Luminaires**

cut your costs with  
**Simplex  
Screwglass**

for 40/60w GLS lamps

lighting fittings by

**FOR 60 and 100W GLS LAMPS**

Two striking new ranges of screwglass fittings here — simple and modern in design. WEATHERPROOF, CORROSION RESISTANT, Simplex screwglass fittings are ideal indoors or out

The two types: (acid-resistant) vitreous enamelled cast iron or cast aluminium alloy. Reflectors in pressed aluminium (optional) to suit all types. Complete with B.C. lampholders in bakelite — porcelain optional extra

Basic price: vitreous enamel, 60w 13/6, 100w 17/-  
Cast aluminium: 60w 12/6, 100w 16/-

**Simplex**

Simplex Electric Co Ltd Blythe Bridge Staffs

A  COMPANY



The whole of the design and development of fixtures, fittings, layouts and buildings was carried out by the Development Office of Fine Fare Limited. The refrigerated cabinets have been developed by Prestcold in collaboration with that office.

A special refrigeration problem?

## Call in Prestcold — as Fine Fare did

When Fine Fare designed their big new supermarket stores, they chose Prestcold refrigeration to keep the food fresh. And to meet the needs of this new form of selling, we collaborated closely with Fine Fare Ltd. in designing a completely new range of refrigeration equipment. This is typical of the way we work. While our standard equipment suits most purposes, we are constantly being asked to find the answers to completely *new* problems. In this way we have built up an unrivalled fund of ideas and specialised knowledge of the refrigeration difficulties of many industries and businesses. And of architects. We are always glad to collaborate with architects on refrigeration-building projects. We are at your service. And we are as near to you as your telephone.

# PRESTCOLD

Please write for our new Self-Service Equipment folder. Shows full range in colour.



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MANUFACTURERS OF REFRIGERATING MACHINERY  
PRESSED STEEL COMPANY LIMITED

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LONDON OFFICE: SCEPTRE HOUSE, 169 REGENT STREET, LONDON, W.1. TELEPHONE: REGENT 7050



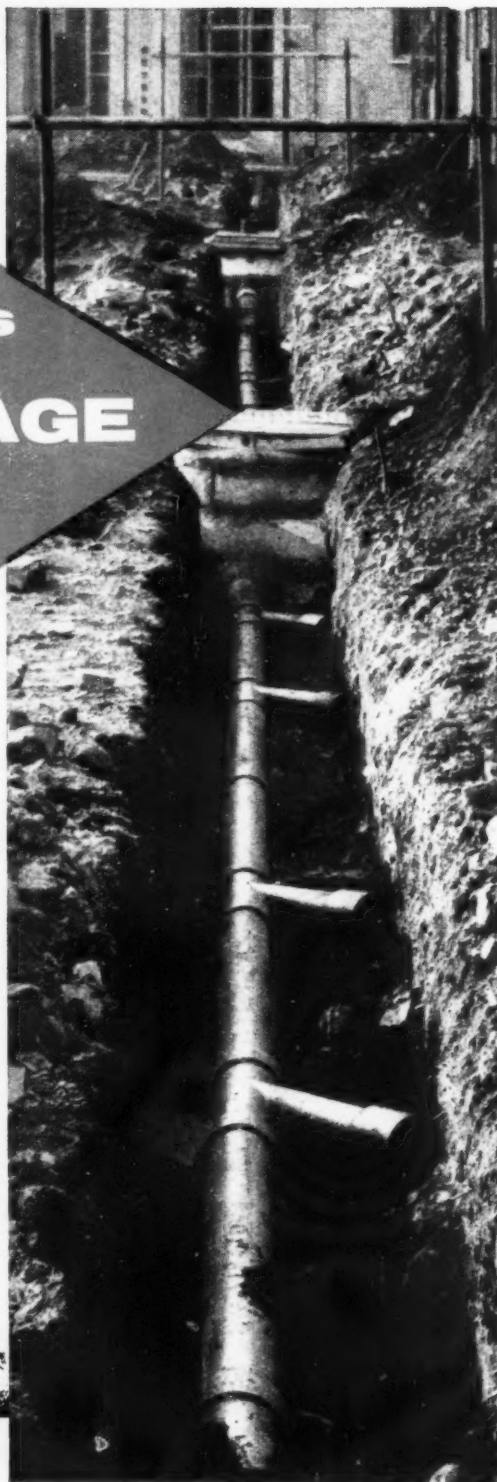
**Are your ideas  
on DRAINAGE  
up to date ?**

**Specify the drainage  
system with no  
maintenance problems**

A specification for Key Pitch Fibre pipes means a dependable drainage system with many important advantages. More and more leading architects and consultants are adopting this modern specification where greater efficiency in service, lower costs, and speed of installation are all seriously considered.

*A typical run of Key pipe on a Wolverhampton housing scheme where a saving in cost of 22½% over conventional materials has been achieved.*

*The site, comprising 1,200 houses, was designed and built by the Wolverhampton Corporation under the supervision of the Borough Engineer and Surveyor, and Director of Housing, W. Mervyn Law, M.B.E.*



**Get to know more about**



TGA KDI



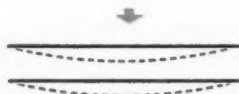
### Smooth bore and clean joints

Key Pitch Fibre pipes have precision-machined taper joints which require no mortar or compounds. Combined with their smooth bore, this means a high flow factor, with no problems of root growth.



### No cracking through settlement

The resilience of pitch fibre pipes ensures that no cracking occurs under normal conditions of earth settlement. This also means that bedding concrete is unnecessary.



### Resistant to corrosion

Key pipes are vacuum-impregnated with pitch and are non-porous and resistant to normal effluent corrosives throughout their thickness.

### Maximum loan period

The 30-year loan period applies to all Key Drain pipes. Pitch fibre pipes have been used with notable success in the United States for over 50 years.



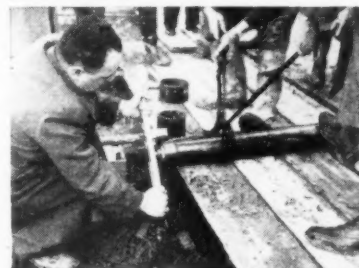
A piece of heavy timber is placed against the coupling and a length knocked home.



The precision-machined taper joints require no mortar or jointing compounds.



Short lengths of pipe can be cut with a coarse toothed handsaw.



A special hand lathe is used for cutting joints on short lengths.

### SPEEDING THE JOB—CUTTING THE COST

500 feet an hour is a modest rate for laying Key pipes. The simple system of jointing also ensures that the pipe can be laid in all weathers. Because there is no cement to dry out, the completed drain can be tested immediately and the trench back-filled without delay. When contracts must be carried out to a tight schedule these advantages are well worth bearing in mind. On a cost plus labour basis, pitch fibre pipes are cheaper per installed foot run than other drainage systems.

**THOROUGHLY  
TESTED AND  
APPROVED**

#### British Standard

Key pipes exceed the requirements of BS 2760/56 for Pitch-impregnated Fibre Drain and Sewer Pipes. This standard was approved by the Bituminous Products Industry Standards Committee consisting of representatives of Government departments and professional bodies, including the following:

Royal Institute of British Architects  
Ministry of Housing & Local Government  
Ministry of Works  
Institution of Civil Engineers  
Royal Institute of Chartered Surveyors  
D.S.I.R.—Building Research Station  
Institution of Public Health Engineers  
London County Council

#### Ministry of Health Model Bye Laws

Pitch fibre pipes are deemed to comply with M.O.H. Bye Law requirements.

#### Building Research Station Report

Key pipes were tested by this body and given a favourable report.

#### Other approving bodies

Federation Civil Engineering Contractors.

National Federation of Building Trade Employers.

Royal Society for the Promotion of Health.

Many local authorities have installed KEY pipes

#### Test Results

Key pipes have been subjected to detailed physical tests.

Also specify **KEY** Underfloor Ducting and cable Conduits



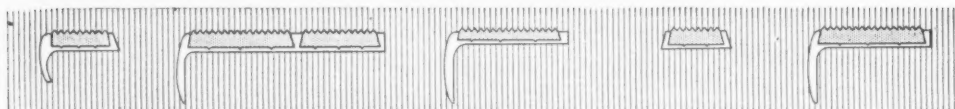
**PITCH FIBRE PIPES**

The world's finest and most modern drainage system

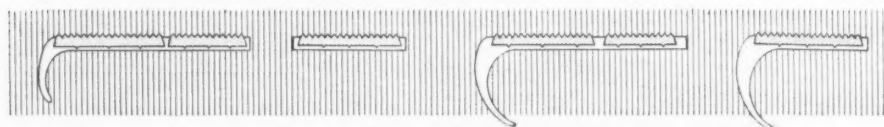
A PRODUCT OF **KEY ENGINEERING COMPANY LIMITED**  
4, Newgate Street, London, E.C.1. Telephone: CITY 1185, 6 and 7.

**Reed**

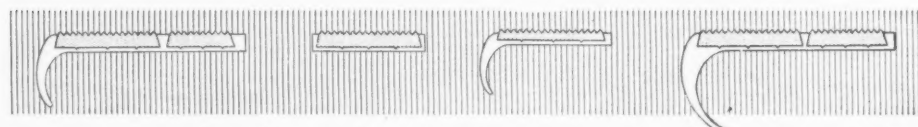
**For every type of stair**



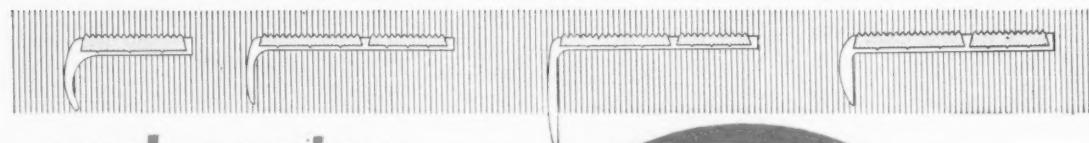
**(wood metal or stone)**



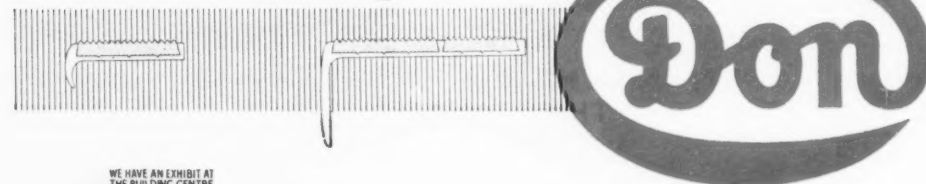
**there's a DON non-slip**



**tread (colour or fabric-filled)**



**and nosing**



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THE BUILDING CENTRE  
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and  
THE SCOTTISH BUILDING CENTRE  
425 Sauchiehall Street,  
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19 different nosings: extruded from pure aluminium:  
plastic-filled in 9 colours (brown, green,  
lino brown, blue, maroon, black, white, silver, red):  
also available fabric-filled:  
suitable for all types of stairway:  
can be supplied to fit almost any curve or bend.

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For supplies and information get in touch with:

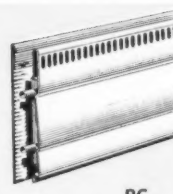
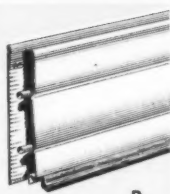
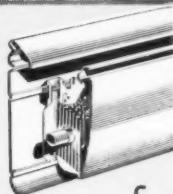
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# New! *the heating system you've always wanted*



THERE  
ARE THREE  
TYPES OF  
WALLSTRIP



Type C—Recommended for most domestic applications, providing mainly convected heat.

Type R—Institutional model of heavy construction, but shallower from wall to front than Type C, providing mainly radiant heat. Smooth surfaces, free of dust-traps, especially suitable for hospitals and other places where hygiene and cleanliness are vital.

Type RC—Again, an institutional model of heavy construction, similar to Type R but providing a combination of radiant and convected heat.

Copperad WALLSTRIP is a skirting-board: a skirting-board that heats. Which means that it places the heat where it is most needed—all along the outside walls at the normal source of loss.

It also means that windows can reach to within 12" of the floorline.

WALLSTRIP allows you the maximum freedom in aesthetic design. No ungainly, heavy equipment is involved. There is nothing to detract from its flowing lines.

For a new building—home, office, school, hall, hospital or institution—WALLSTRIP costs no more than conventional central heating. The cost of skirting-board is, of course, eliminated. Moreover, no special equipment is required; it can be installed with the ordinary tools of a heating engineer.

If you require further information about WALLSTRIP, we shall be happy to advise you.

## Copperad Wallstrip

**Copperad Limited** Head Office & Works: COLNBROOK, BUCKS. Telephone: Colnbrook 521 (6 lines) Telegrams: Copperad, Colnbrook

Scottish Office:  
30 Rutland Square,  
Edinburgh 1  
Telephone:  
FOUntainbridge 6067

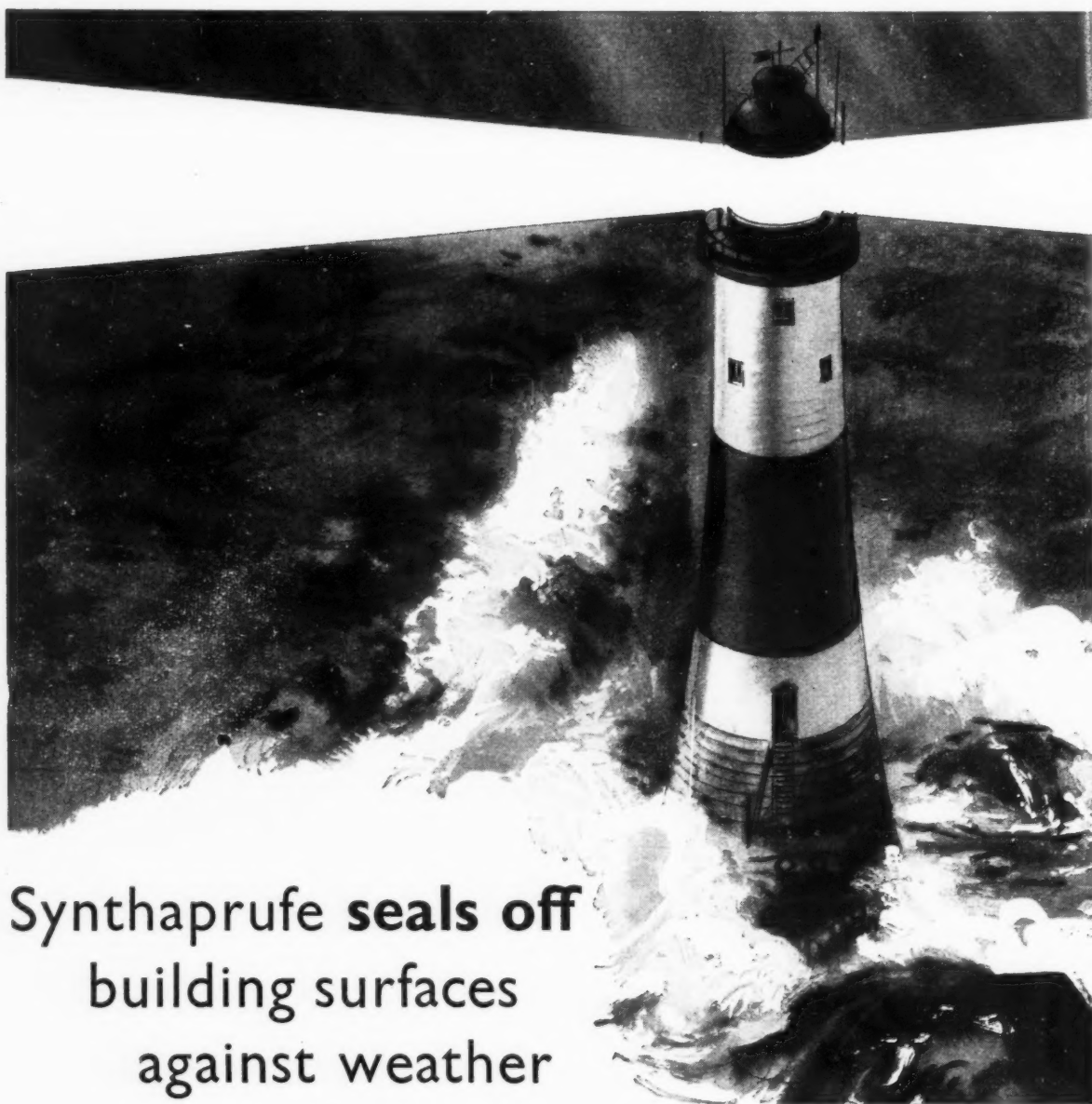
London Office:  
1 York Street Baker Street,  
London W.1  
Telephone:  
WELbeck 1226/7

Birmingham Office:  
Wolverley House,  
18 Digbeth,  
Birmingham 5  
Telephone:  
MIDland 1553

Welsh & South Western  
Office:  
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Westbourne Place,  
Queens Road,  
Clifton, Bristol 8  
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Bristol 3-3883

Representatives at:  
Glasgow, Belfast,  
Manchester, Leeds,  
Nottingham,  
Newcastle-on-Tyne

Also at:  
Auckland (N.Z.)  
Johannesburg, Lisbon,  
Brussels, Toronto,  
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## Synthaprufe seals off building surfaces against weather

**S**YNTHAPRUFÉ is an all-purpose waterproofing, which contains rubber. Made from by-products of British coal, it is applied *cold* by brush to produce a strong elastic film that is highly resistant to moisture and remains flexible under all normal conditions.

Synthaprufe is extremely adhesive. This means that it forms a perfect, lasting seal over the whole of the surface to which it is applied.

### AN IDEAL JOINTING

Almost any surface—wood, brick, metal, concrete or plaster—will take Synthaprufe; and with its unique ability to stick firmly, to remain flexible and to resist moisture, Synthaprufe

is widely recognized as a first-class material for all kinds of jointing.

### A VERSATILE COMPOUND FOR BUILDERS

Besides being ideal for waterproofing and jointing, Synthaprufe makes a highly efficient damp course for walls, both inside and out, and is a recog-

nized treatment where damp is already present. It also makes a very effective sandwich layer in concrete subfloors; it is a completely reliable adhesive for fixing linoleum and wood-block floors; and it makes an excellent mechanical key for plaster finishes over old glazed or painted brick walls, as in hospitals and institutions.

## SYNTHAPRUFÉ

contains rubber



MANUFACTURED BY THE NATIONAL COAL BOARD

*Synthaprufe is a product of British coal. Further details, and advice on any technical problem, will gladly be given on application to the National Coal Board, By Products, National Provincial Bank Buildings, Docks, Cardiff.*

*"Synthaprufe" is a Registered Trade Mark.*



**Replin**

**BRITISH REPLIN LIMITED**  
2 South Audley Street  
London W.1.  
GROsvenor 6692  
Mill: Ayr, Scotland. Ayr 3275

## **Replin**

is a hard wearing and easy-to-clean  
worsted upholstery material

It is woven to order in contemporary and  
traditional designs and stripes

Plain material is now available from stock  
in over thirty colours including

House & Garden and British Colour Council  
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early delivery.







# PIERHEAD

## PRESTRESSED CONCRETE

Pierhead Floor and Roof construction was used in this eleven storey block of Maisonettes erected in nineteen days by William Thornton & Sons Ltd. for the Birkenhead Borough Architect. Special prestressed beams, precast stairs, landings and balconies were also manufactured and supplied to this contract by Pierhead, Ltd.

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Consulting  
Architect:  
Donald Bradshaw,  
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Consulting Engineer:  
Ove Arup & Partners.

Contractors:  
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*Span and Load tables forwarded on request from either Liverpool, Nottingham or London*

**THE HOVERINGHAM CONCRETE COMPANY  
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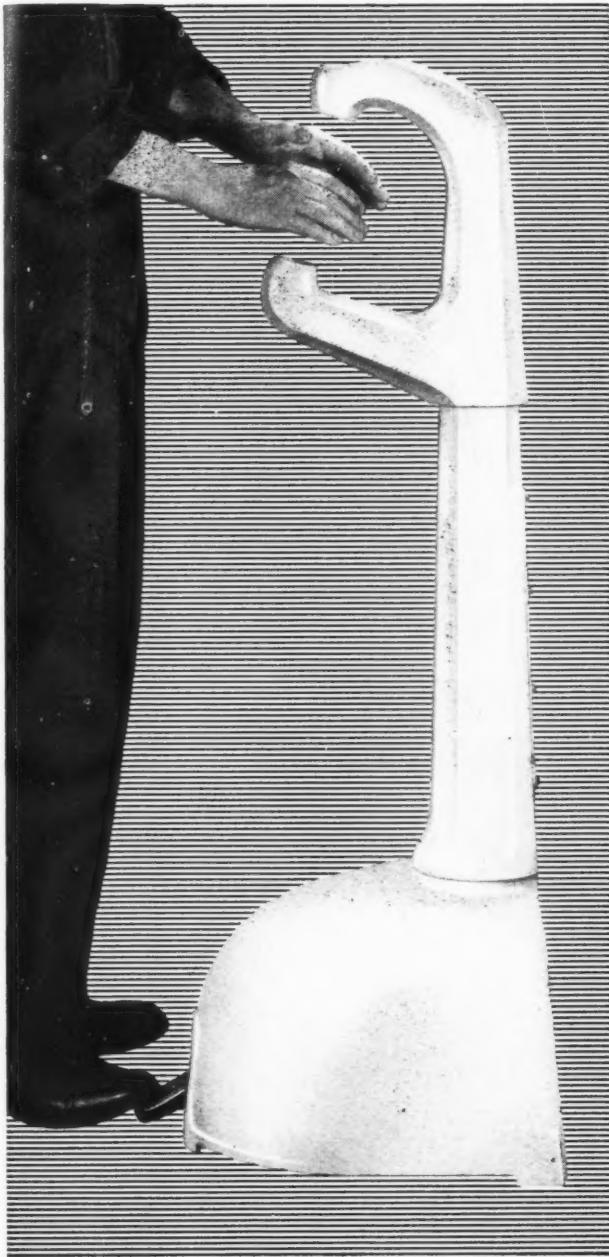
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←...48

“hand dries”  
*for one unit  
of electricity*

Harmonising in style with the layout and appointments of the modern washroom, ‘ENGLISH ELECTRIC’ Hand-Driers are complete in themselves.

No other fittings on the walls or receptacles on the floor are required. There is nothing to change or replace and the equipment itself requires no attention.

Economical in every way, these hand driers usually pay for themselves within a year of installation. Thereafter, years of trouble-free service create substantial savings in hand-drying costs.

# ‘ENGLISH ELECTRIC’ hand-driers

THE ENGLISH ELECTRIC COMPANY LIMITED, QUEENS HOUSE, KINGSWAY, LONDON, W.C.2.  
*F.H.P. Motors Department, Bradford*

WORKS: STAFFORD · PRESTON · RUGBY · BRADFORD · LIVERPOOL · ACCRINGTON

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***Change of  
NAME and ADDRESS***



**THE BRITISH TROLLEY TRACK CO LTD**

wish to announce that owing to  
the ever-increasing demand for



**SLIDING DOOR GEAR**

they are obliged to transfer  
production to larger premises

As from JUNE 1st 1957  
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will be marketed by

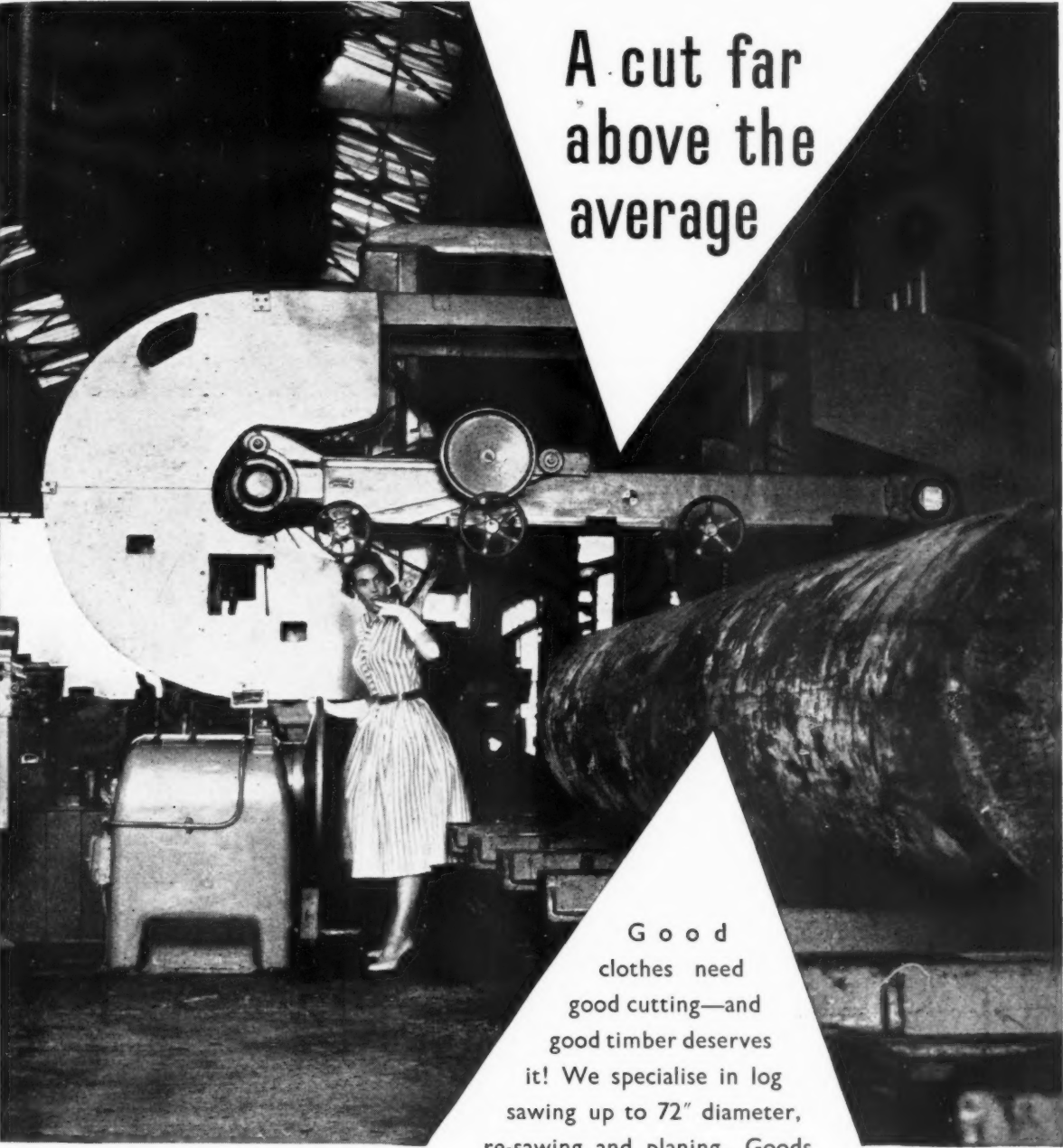


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clothes need  
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it! We specialise in log  
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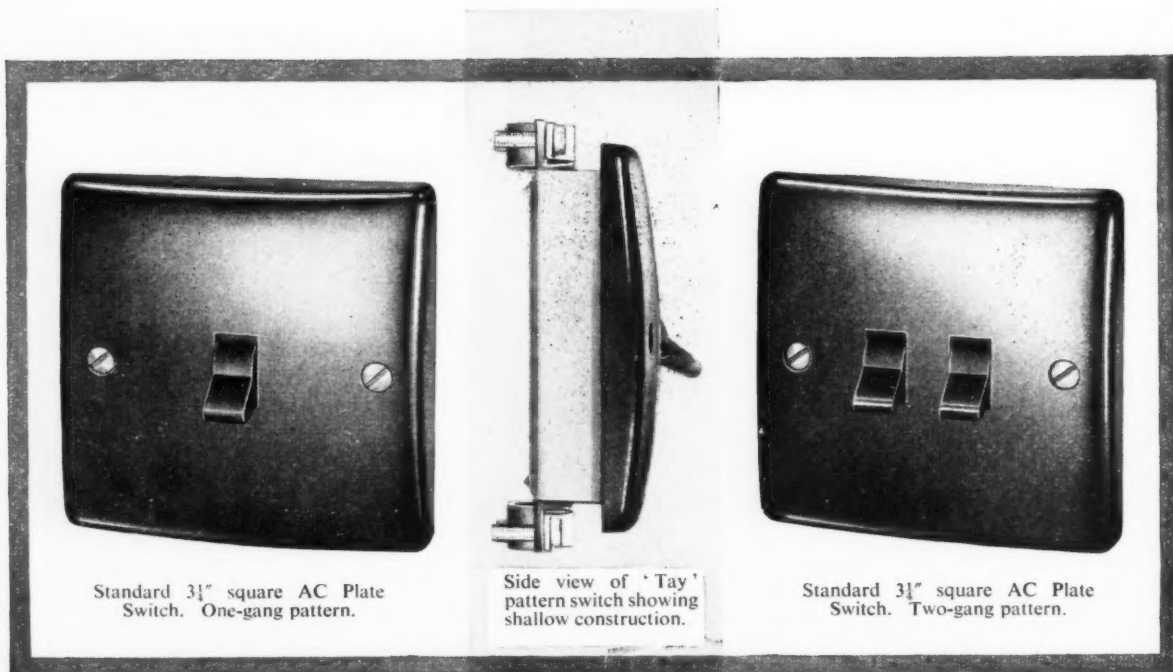
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W&C12

# There's wonderful value in the 'TAY' RANGE



**One-piece Flush Plate and Switch.** The 'Tay' range of switches use one-piece construction. But all current carrying parts are mounted on high grade vitreous porcelain.

**Plaster depth boxes.** The 'Tay' range of flush plate switches are designed for use with extra-shallow plaster depth boxes. They are self-adjusting to varying plaster levels. This combined with easy wiring cuts installation costs.

**AC only, solid silver contacts.** The switch action is slow-break A.C. only, with solid silver contacts. The switch action is controllably silent.

**Two-gang on standard 3 $\frac{1}{4}$ " square plate.** The two-gang 'Tay' plate switch has overall dimensions no greater than the standard 3 $\frac{1}{4}$ " square plate one-gang switch.

*The 'Tay' Range is ideal for the competitive domestic installation where low cost, easy installation and good appearance are desirable features.*



*Send for your copy of the MEM-Tucker-Kerson Catalogue List No. 370—the most complete accessories catalogue in the trade.*



**MIDLAND ELECTRIC MANUFACTURING CO., LTD., TYSELEY, BIRMINGHAM, 11**





**THE MIDLAND WOODWORKING CO. LTD. MELTON MOWBRAY**

*Specialists in high class Standard Joinery for the Building Trade*

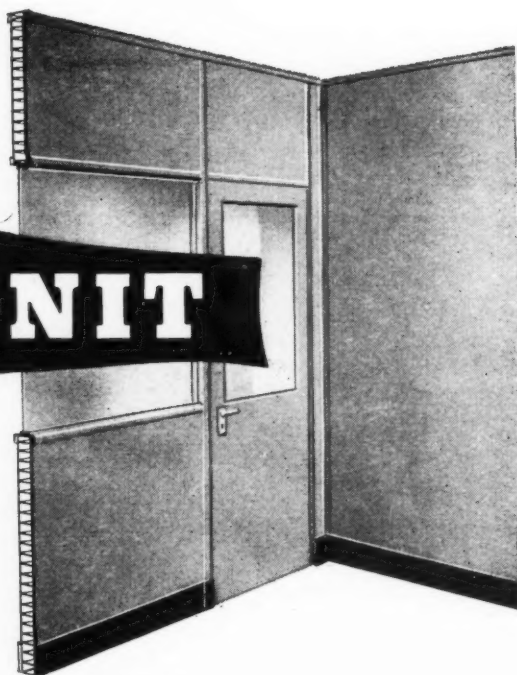
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plasterboard partitioning that

insulates while it separates . . .

**GYPUNIT**



GYPUNIT Partitions are easily and speedily erected, light in weight, demountable and adaptable to individual requirements. The surface spread of flame classification is Class 1 (B.S.476)

For extra quietness there is a Double-leaf GYPUNIT Partition giving high sound reduction. GYPUNIT Partitions are described fully in "Architects' Journal" Information Sheet A21G2. Copies available on request.

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London Office : Bath House, 82 Piccadilly, London, W.1. Grosvenor 4617/9*

GU.1

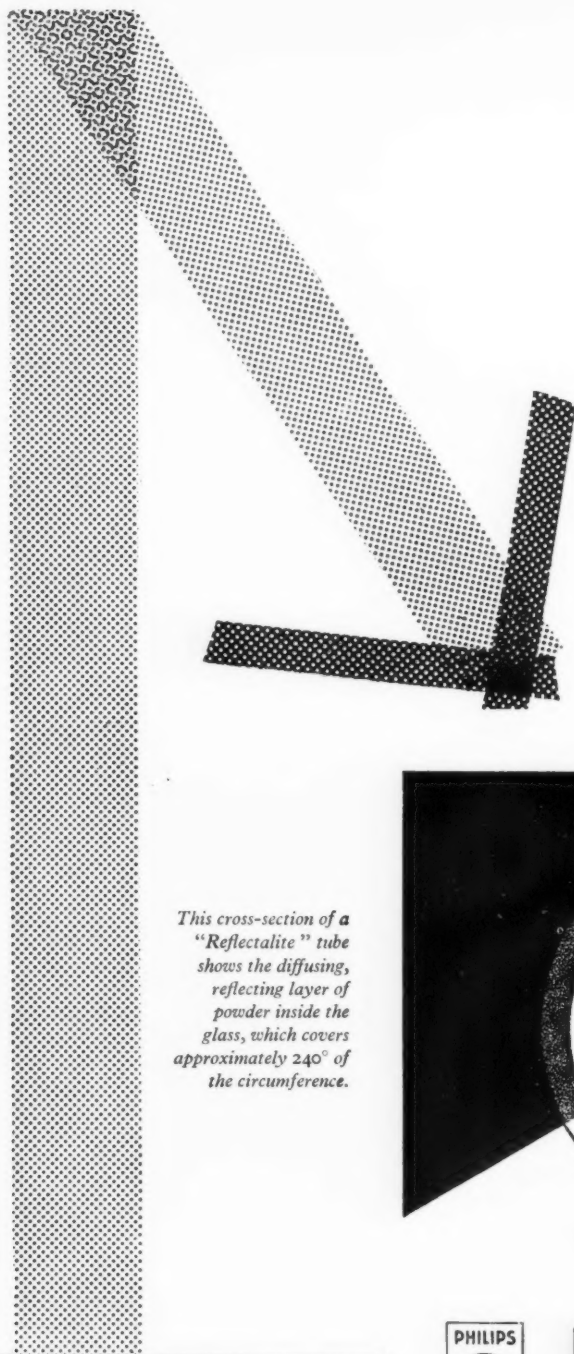


WHERE  
**PAINT**

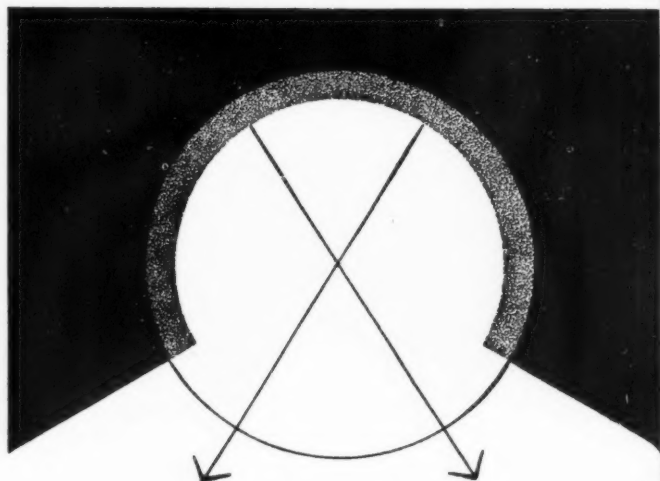
**MUST DO MORE THAN DECORATE**

Magnet could be chosen for its looks alone ; for its lustrous gloss  
and dense film. For the variety of shades given by 30 intermixable colours. But first  
and foremost Magnet is a white lead base hard gloss paint —  
and **WHITE LEAD PAINT LASTS.**

**ASSOCIATED LEAD MANUFACTURERS LIMITED · LONDON · NEWCASTLE · CHESTER**



*This cross-section of a "Reflectalite" tube shows the diffusing, reflecting layer of powder inside the glass, which covers approximately 240° of the circumference.*



For fuller details send coupon today to :

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Century House • Shaftesbury Avenue • London • W.C.2

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**PHILIPS**

*Reflectalite*

**FLUORESCENT REFLECTOR TUBE**

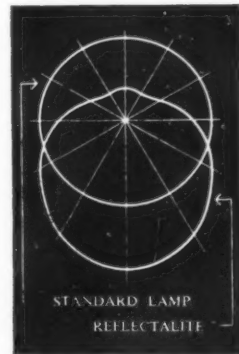


# How much light are you wasting through dust?

From the day it's installed, the normal fluorescent tube steadily loses efficiency. Why? Because it is almost impossible to prevent dust and dirt from settling on the top and sides of the tube. Impossible, that is, without very frequent cleaning and the additional cost it entails.

## Philips "REFLECTALITE" puts an end to all that

"Reflectalite" is a fluorescent tube with a built-in reflector. Two-thirds of the tube — that 240° segment where dust and dirt most easily settle — are internally coated with a special powder prior to the application of the normal fluorescent phosphor. The majority of the light output from the tube is therefore reflected down through the 120° "window", as shown in the diagrams.

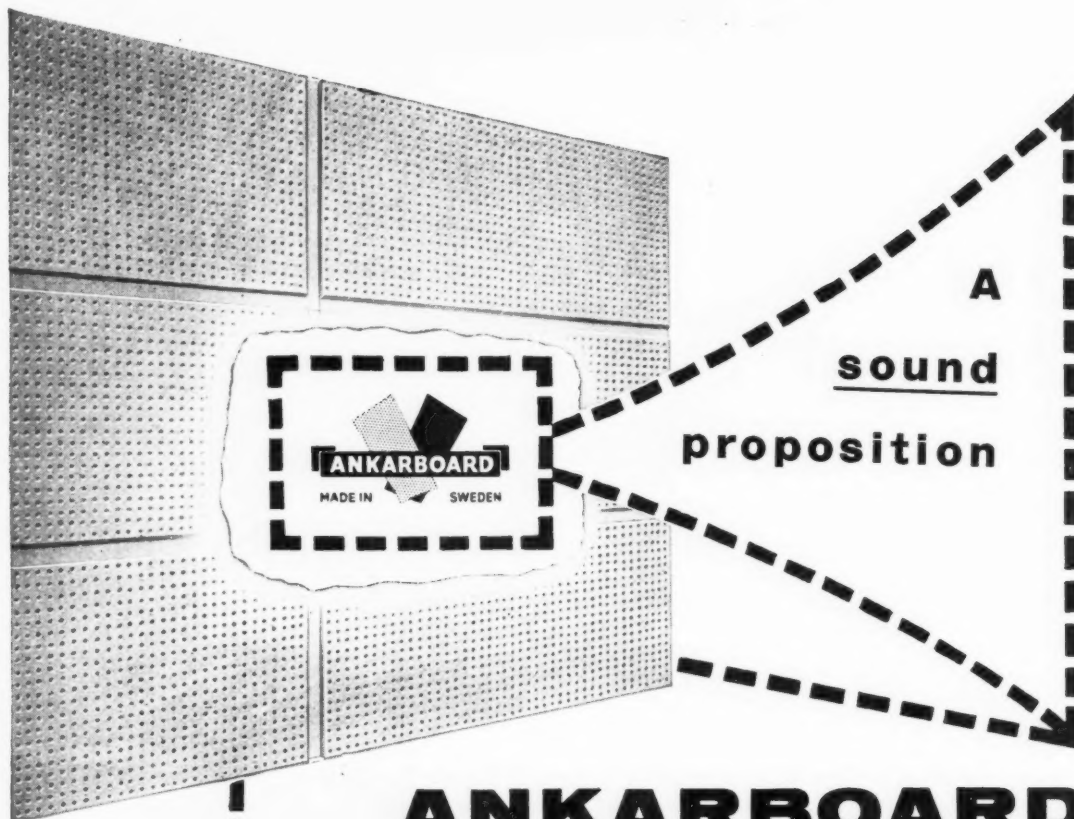


LIGHT DISTRIBUTION  
DIAGRAM

# Reflectalite

**FLUORESCENT  
REFLECTOR TUBE**

- \* CUTS OUT LIGHT WASTAGE THROUGH DUST COLLECTION
- \* GIVES EXTRA LIGHT IN THE USEFUL DIRECTION
- \* REDUCES THE MAINTENANCE BILL
- \* TUBE COSTS LITTLE MORE THAN ORDINARY FLUORESCENT



## ANKARBOARD ACOUSTIC BOARDS AND TILES

—achieve a dual purpose in combating disturbing noise and improving acoustics. The perforated boards are specially prepared with grooved and ship-lapped joints for easy fixing and give an extremely attractive finish when in position.

### ACOUSTIC BOARDS

$\frac{1}{2}$ " or  $\frac{3}{4}$ " thick, are available in 12" or 16" widths and in lengths up to approx. 16 ft.

### ACOUSTIC TILES

$\frac{1}{2}$ " or  $\frac{3}{4}$ " thick in sizes 12" x 12", 16" x 16", 24" x 24", 12" x 24" or 16" x 32". Tiles are bevelled on all four edges.

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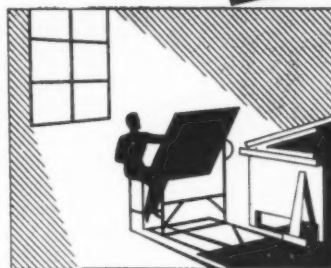
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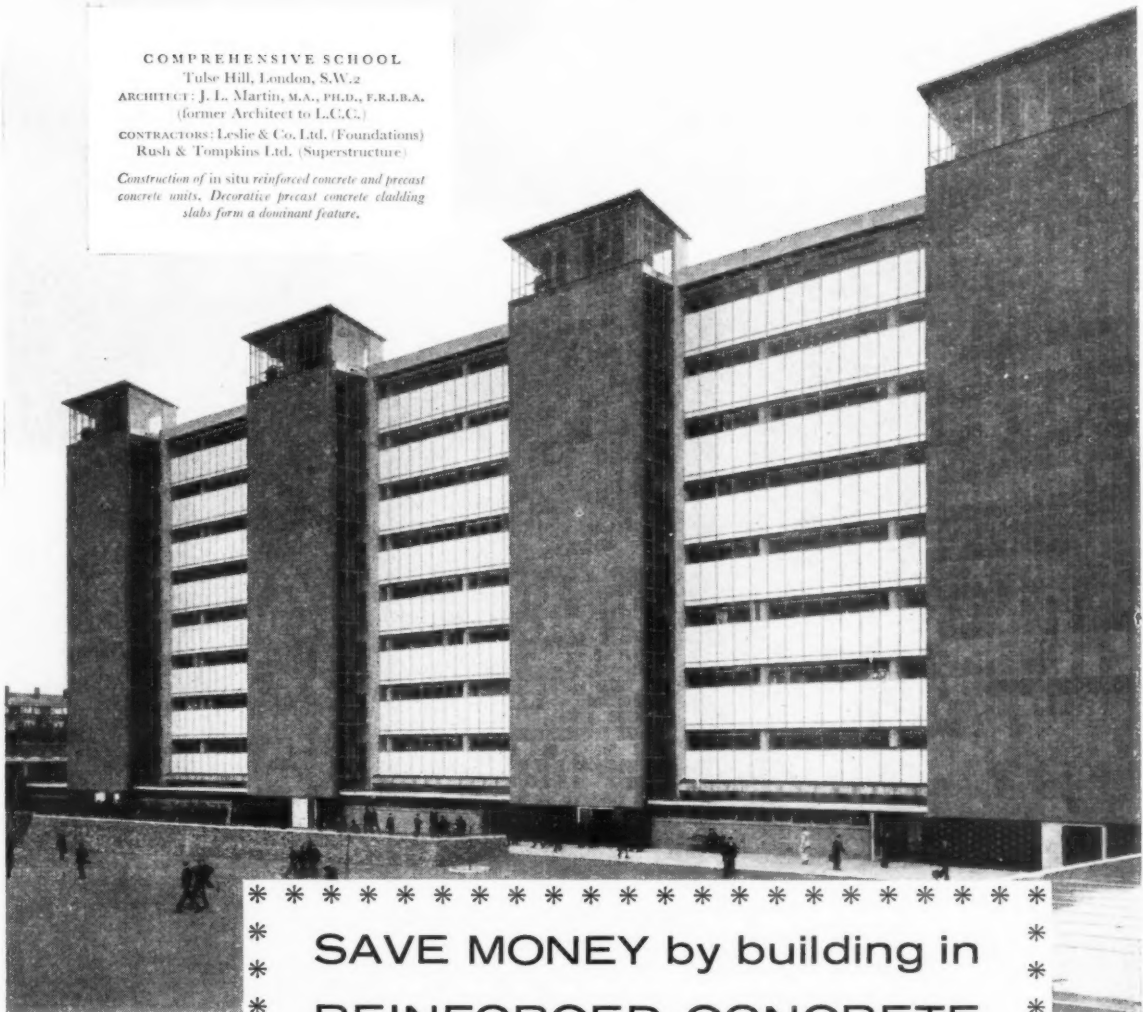
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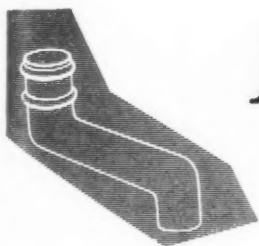
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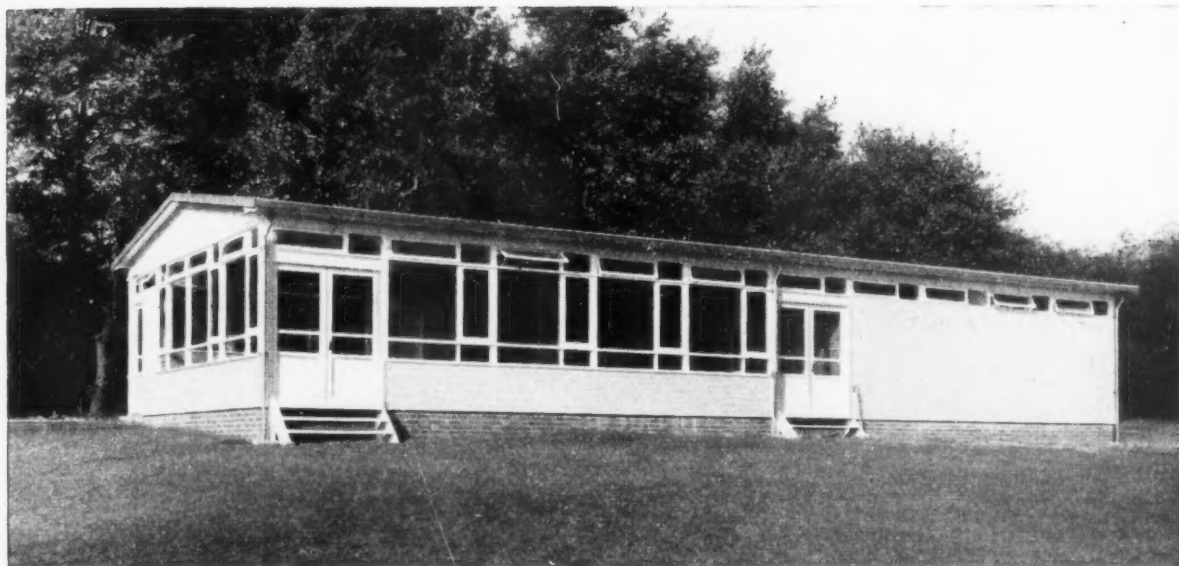
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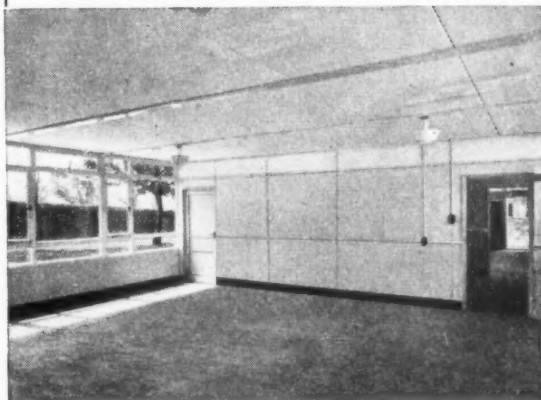
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## Frigidaire's General Manager tells you why



### **"FRIGIDAIRE'S NEW FIVE POINT DEVELOPMENT PROGRAMME FOR COMMERCIAL REFRIGERATION AFFECTS YOU PERSONALLY"**

**Q** Just what is the new Frigidaire Five Point Development Programme for Commercial Refrigeration, Mr. Porter?

**A** As leaders in the British refrigeration business we are well aware of the tremendous changes in techniques and applications that are taking place. This, then, is a planned programme of expansion and development in the production of commercial refrigeration equipment by my company.

**Q** What are the five points?

**A** No. 1 is Production and Development. No. 2 Sales. No. 3 Sales Service. No. 4 Training and No. 5 Export.

**Q** Let's take No. 1 — Production and Development. Does this mean you anticipate a marked growth in your business?

**A** Yes indeed — and here are figures to prove it. We are planning to expand our production by 1960 to 50% over what it was in 1956. And remember — we are the biggest people in the business — so that's quite an increase in terms of actual output.

**Q** What about Point 2 — Sales? Are you introducing anything of special interest to users?

**A** We certainly are. We're leading off with a *5-Year Warranty on all our commercial compressor units*. We are the first manufacturers in this country — probably in the world — to give such a warranty. And we are doing it because of unbounded faith in our compressor units and we want you to share in this confidence.

**Q** And specialised refrigeration fields?

**A** Well, for example, take self-service. We have experts who study — on the spot — the latest trends in self-service equipment in America. Their "know-how" goes into making our British Frigidaire self-service equipment the best and most advanced in the world. And, of course, you know of our Frigidaire Self-Service Advisory Bureau —

a free service which has helped literally hundreds of people to plan more profitable self-service stores. We are expanding this service and introducing an *after-sales* service, where our specialists will stay with a new operator for several days to help him get off to a good start. So far as I know, there is no other customer service like this in the refrigeration industry.

**Q** That covers Point No. 3 on Sales Service. Your fourth point was on Training?

**A** Yes. Training in refrigeration engineering — and training in the uses and application of our equipment. We are already operating the most thorough Technical Sales Training School in the United Kingdom. Apart from this, we plan to expand our service engineers' training facilities to help service engineers from home and abroad. Also, to help students of refrigeration in this country, we are presenting equipment to selected technical colleges offering courses in refrigeration engineering.

**Q** Finally, No. 5 Mr. Porter. What part will Frigidaire play in the export drive?

**A** A continuing, vital part! Even at present 50% of our production goes overseas. We're now planning to increase this, and British made Frigidaire commercial products will be made available in practically every country in the world.

**Q** Would you like to sum up the objectives of the Five Point Development Programme?

**A** We've got a slogan: "Frigidaire means business — for you!" That was never more true than today. We're in this business in a big way — and we intend it to be even bigger. The Five Point Development Programme is only the first of a series that will keep Frigidaire far ahead in commercial refrigeration. And for the user that's good news. Because — through even better equipment and even better service — HE is going to share the benefits of Frigidaire's expansion.



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**means business—for you!**



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Similar floors can be obtained in the colour of your choice by using "COLOURTOP".

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"SNOWTOP" and "COLOURTOP" cost 6s. 9d. per sq. yard; "METALTOP" costs 10s. 6d. per sq. yard.

Remember "TOPS" are applied direct to the concrete slab and thus save you the cost of a screed.

"SEALTOP" costs 5s. 9d. per gallon—enough for about 25 sq. yards.

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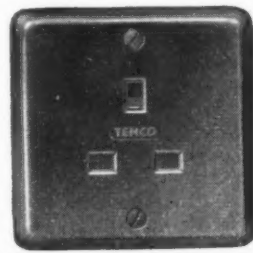
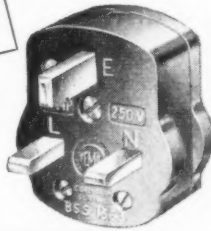
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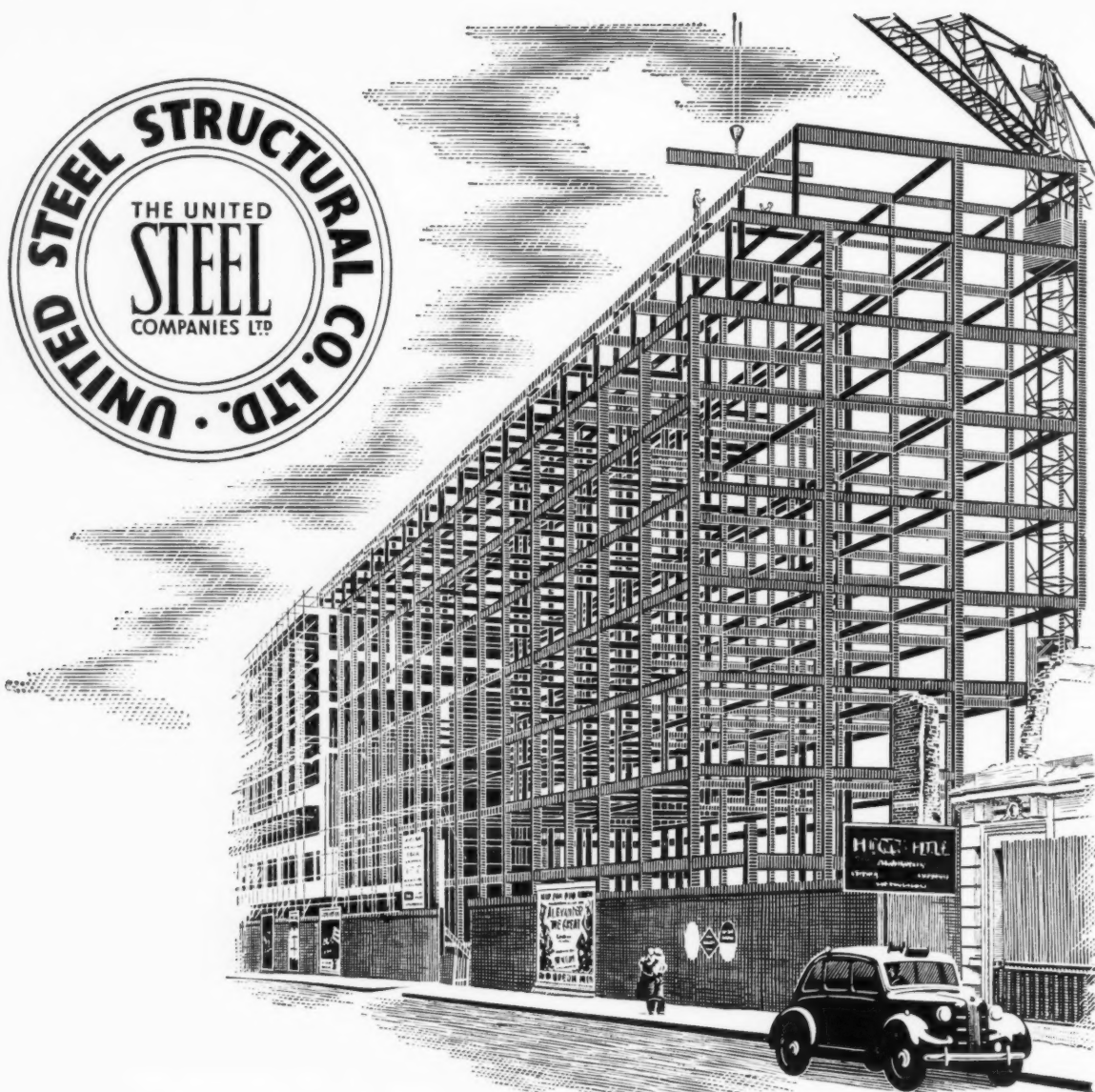
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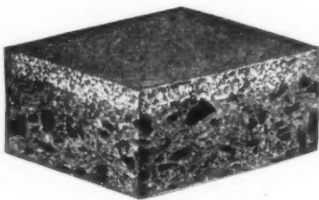
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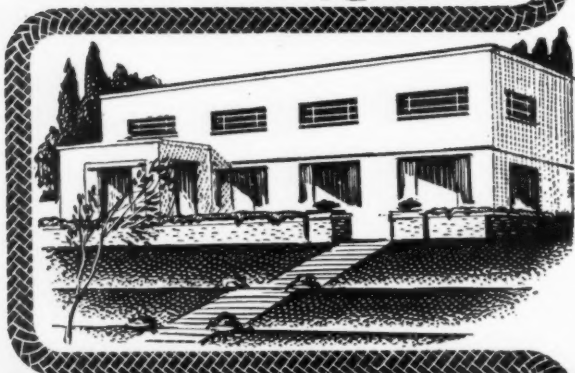
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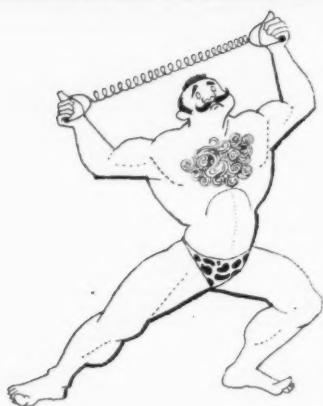
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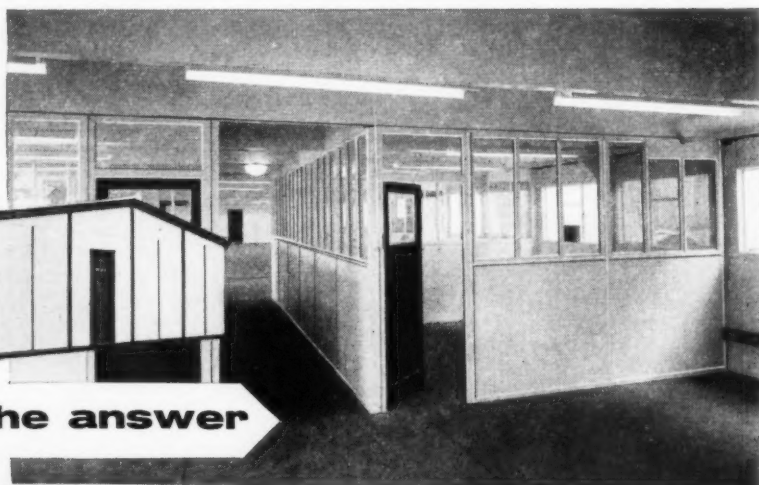
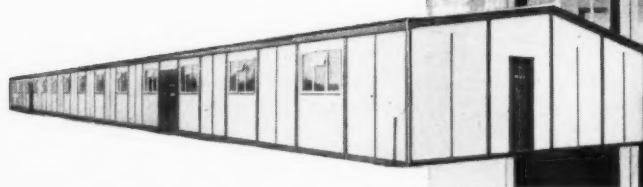
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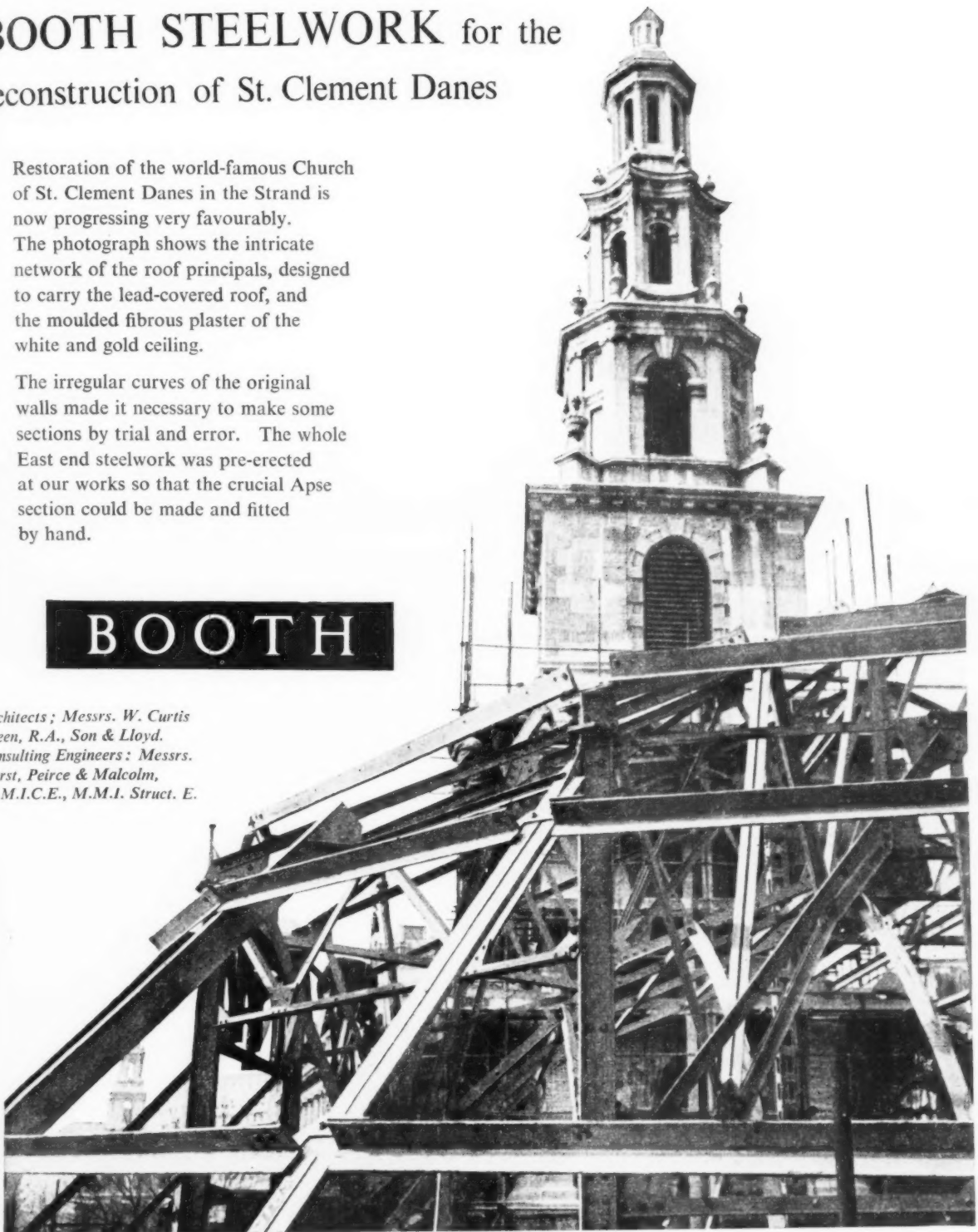
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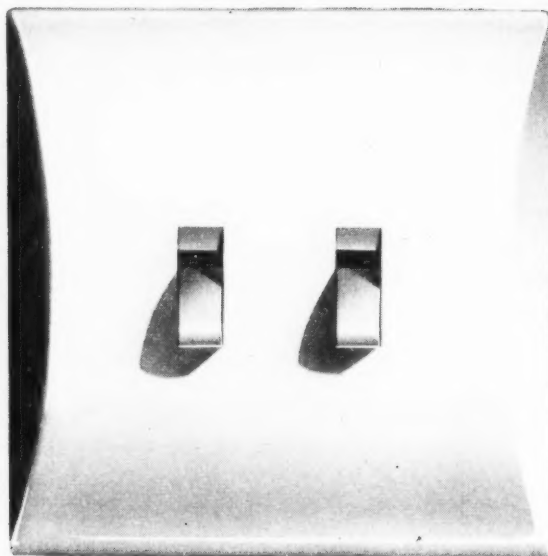
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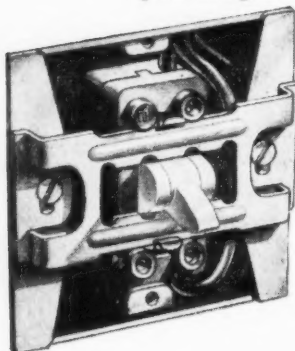


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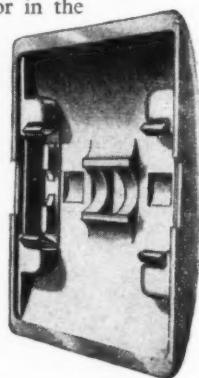
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*Note these special features—*



The 'Snapfast' switch unit is fitted to the standard box by two screws. It is very readily wired and the box provides ample space for cable slack. Provision is also made within the switch assembly to correct "out of square" boxes.

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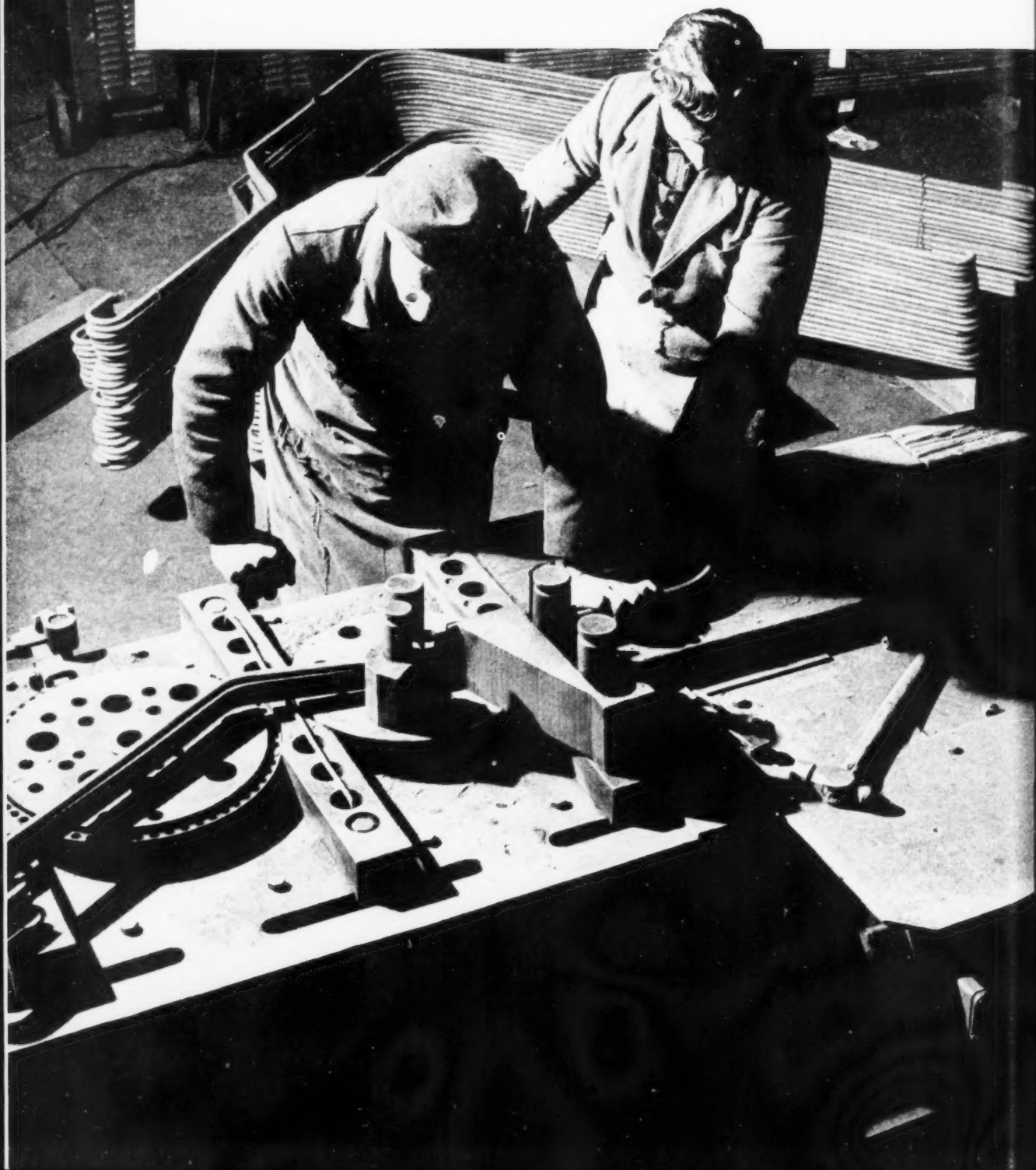
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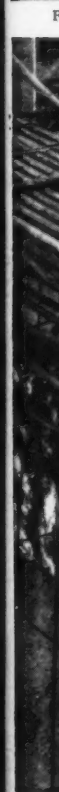
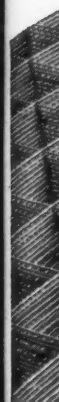
THE ARCHITECTS' JOURNAL  
for July 4, 1957

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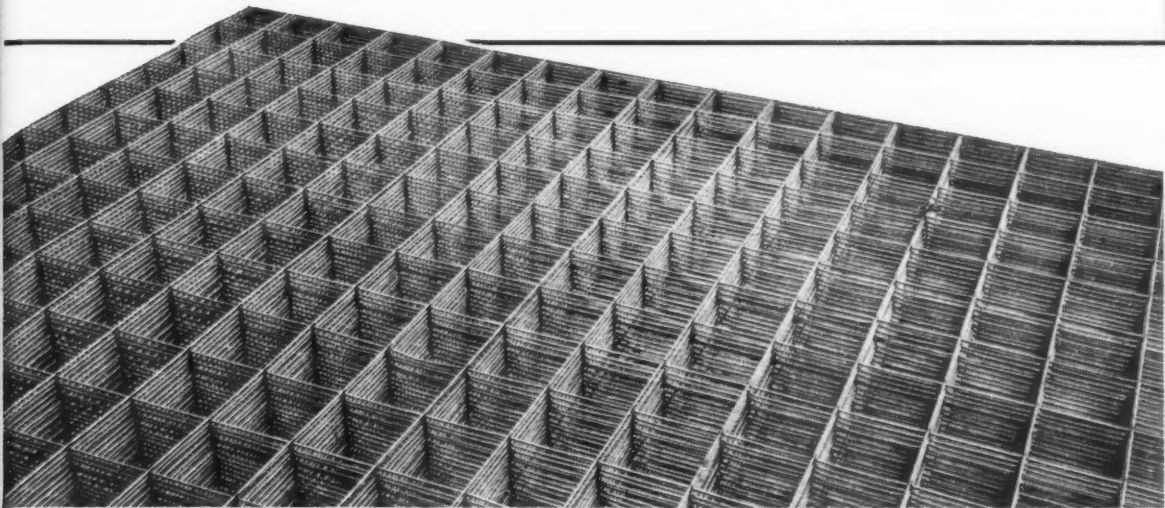


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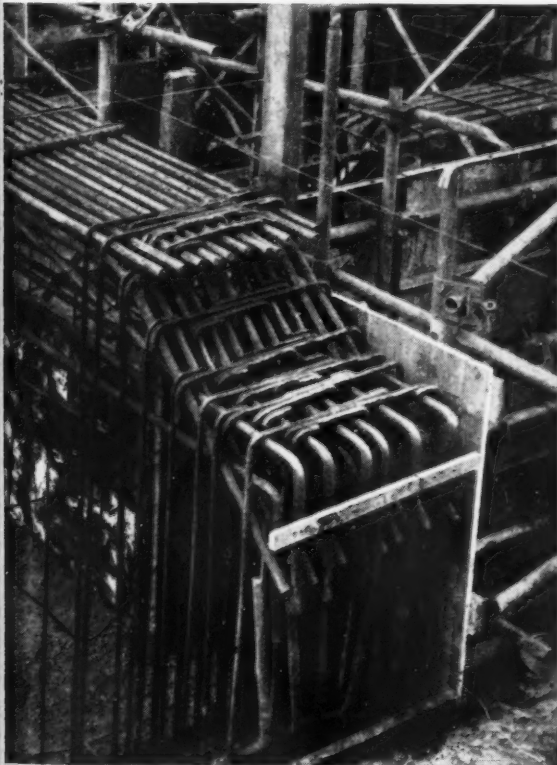
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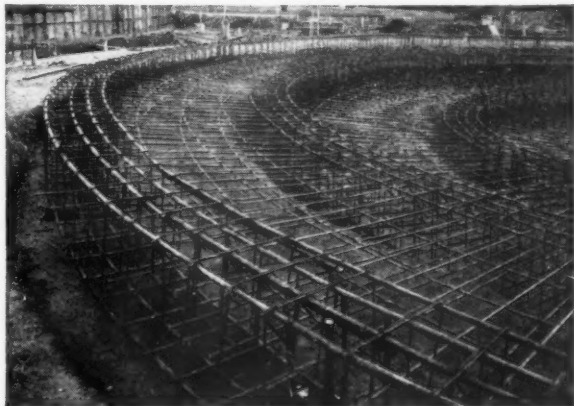
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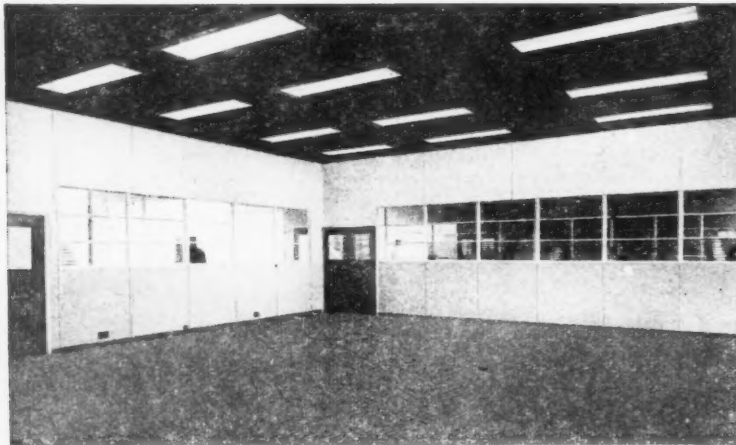
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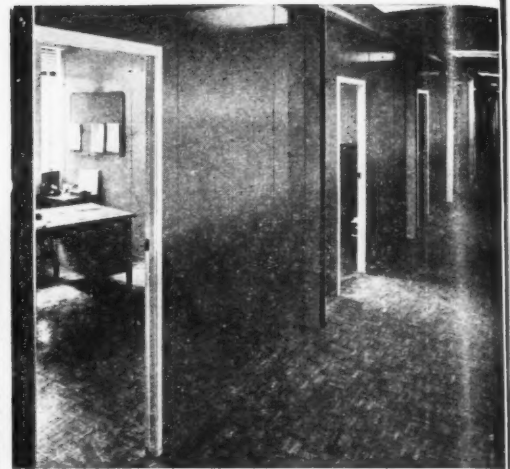
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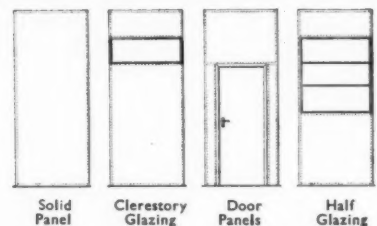
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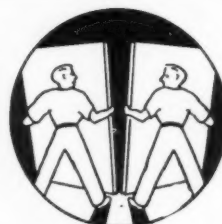


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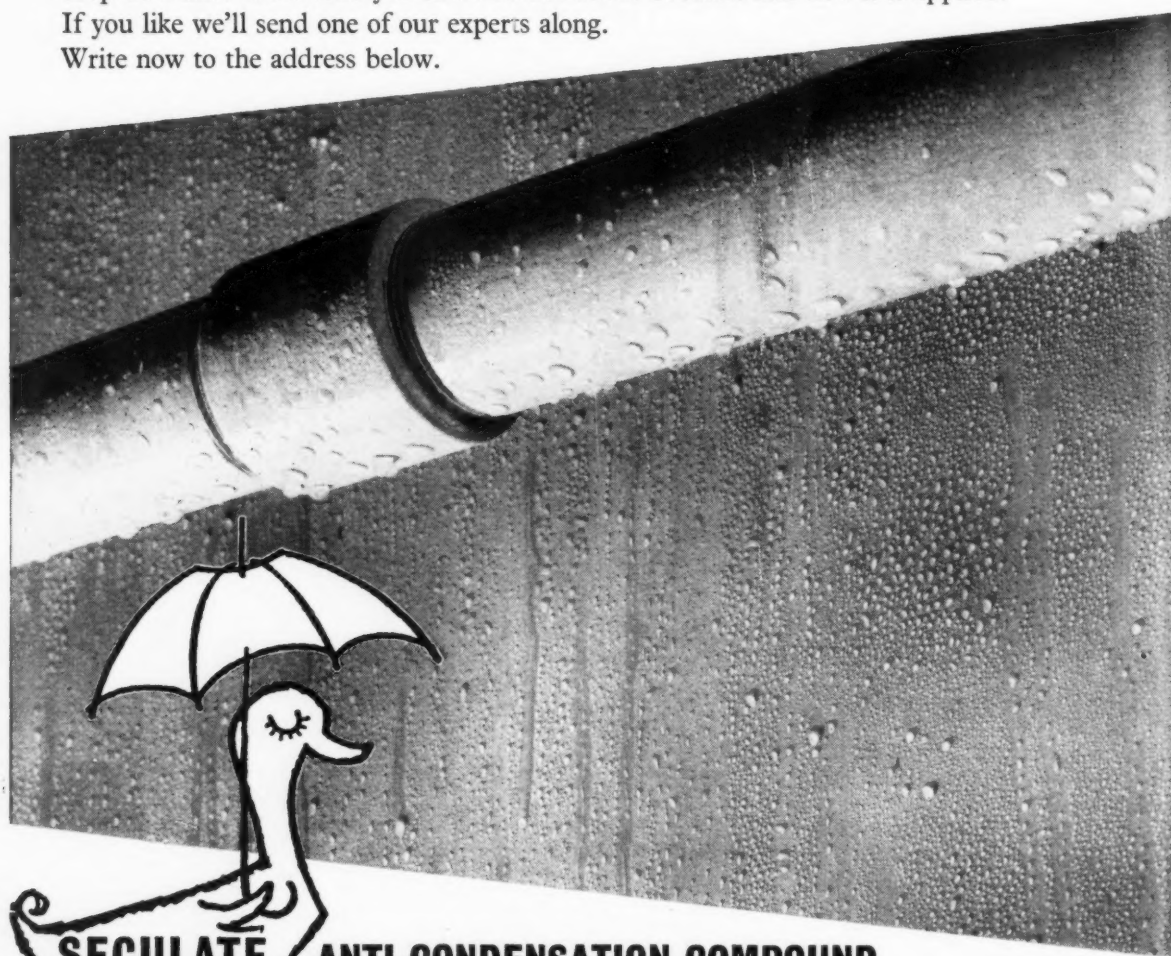
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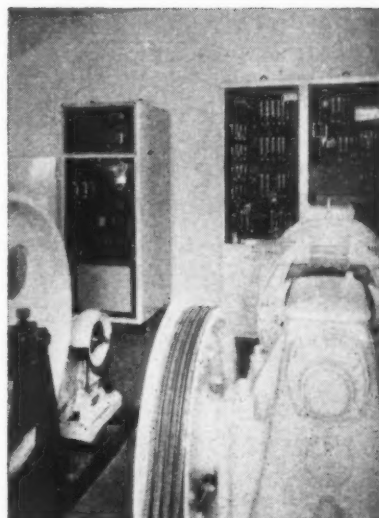
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*In the machine-room illustrated, the rectifier cubicle can be seen on the left. The arc between graphite electrodes and a pool of mercury in an evacuated vessel possesses rectifying properties, and the static mercury-arc rectifier has replaced rotating machinery in many applications, converting a.c. to d.c. with smaller power loss and greater reliability. For lift drive the d.c. voltage supplied to the lift motor is controlled electronically, using rectifiers incorporating auxiliary electrodes. Several features of Wadsworth rectifier drive are protected by patent.*

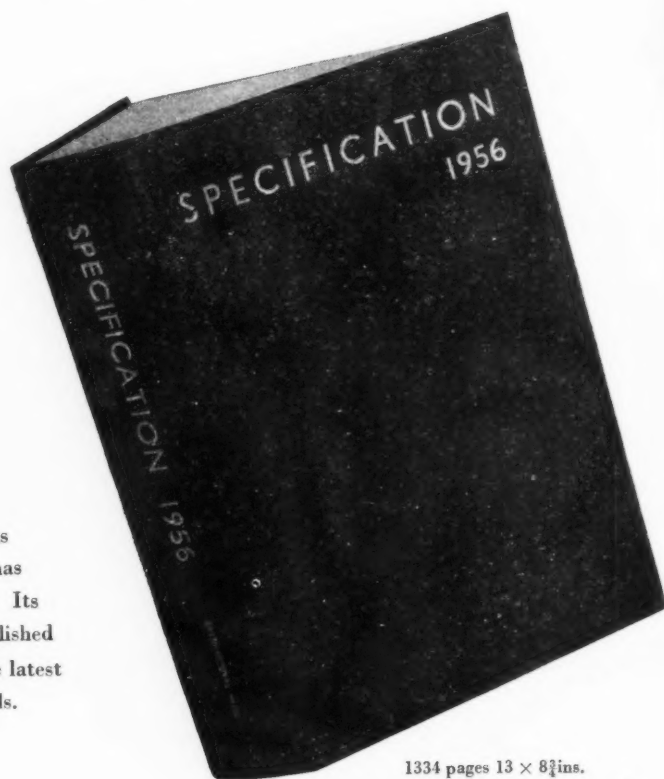


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*Edited by F. R. S. Yorke, F.R.I.B.A. (Published November, 1956.)*

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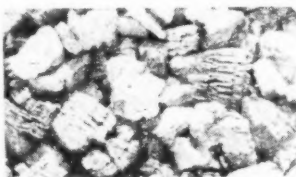
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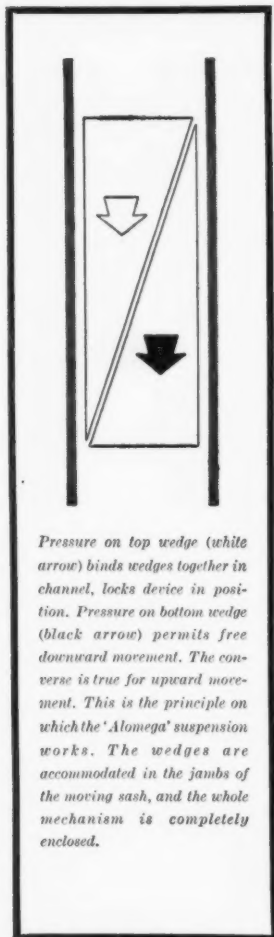
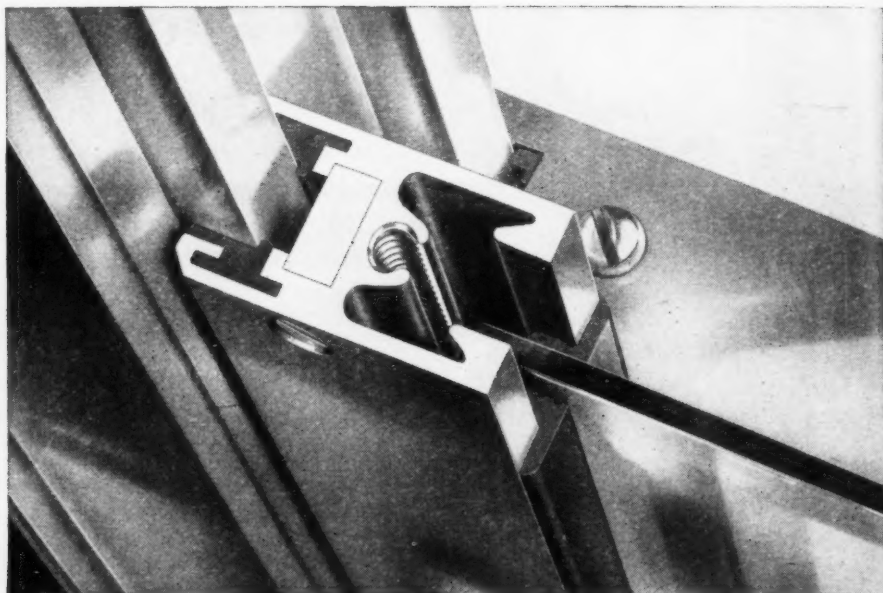
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# A new design aluminium double-hung window

## at a new low price



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● This, we believe, is a complete and challenging innovation.

As the diagram shows, the 'Alomega' suspension, though exceedingly ingenious, is very simple. The components have a theoretical life of well over 200 years. The tests were by no means exhausted by then, but to carry them further, it was felt, would be unnecessary.

The advantages of aluminium double-hung windows have been well-known for some years, and it has probably been the desire of many architects to use them. The only difficulty has been the price.

Now, Williams & Williams have changed all that. These new windows compete in price with wood, and so can offer their advantages for nothing.

### Price example for comparison :

**£6.0.7d. for window 3' 8 $\frac{3}{8}$ " x 1' 11 $\frac{1}{2}$ "**

This low price (the example quoted here applies to quantities over 48) is possible for two main reasons: first, because there is no expensive counterbalancing mechanism; and secondly because the jamb sections of the window can in consequence be much slimmer, which saves considerably on the amount of aluminium used.

The 'Alomega' window is completely prefabricated, assembled and glazed at the works. Site-costs are saved in three ways:

- 1 Because no painting is required—construction is entirely of aluminium.
- 2 Because no glazing is required—windows are dispatched ready-glazed *ex works*.

- 3 Because next-to-no building-in is required—mounting is by wood-screws set in Rawlplugs set direct into the masonry—no sub-frame required.

The appeal to the architect and building-owner is of course considerable: appearance is excellent, and there is a heartening NIL against maintenance costs.

### Standard sizes or Purpose-Made

'Alomega' Windows are available for inspection at any Williams and Williams Area Office or merchant stockist, and are made in the following standard sizes:

TYPE 14, 3' 8 $\frac{3}{8}$ " x 1' 2 $\frac{1}{2}$ "	TYPE 24, 3' 8 $\frac{3}{8}$ " x 1' 11 $\frac{1}{2}$ "
TYPE 34, 3' 8 $\frac{3}{8}$ " x 2' 8 $\frac{1}{2}$ "	TYPE 44, 3' 8 $\frac{3}{8}$ " x 3' 5 $\frac{1}{2}$ "
TYPE 15, 4' 8 $\frac{3}{8}$ " x 1' 2 $\frac{1}{2}$ "	TYPE 25, 4' 8 $\frac{3}{8}$ " x 1' 11 $\frac{1}{2}$ "
TYPE 35, 4' 8 $\frac{3}{8}$ " x 2' 8 $\frac{1}{2}$ "	TYPE 45, 4' 8 $\frac{3}{8}$ " x 3' 5 $\frac{1}{2}$ "
TYPE 16, 5' 8 $\frac{3}{8}$ " x 1' 2 $\frac{1}{2}$ "	TYPE 26, 5' 8 $\frac{3}{8}$ " x 1' 11 $\frac{1}{2}$ "
TYPE 36, 5' 8 $\frac{3}{8}$ " x 2' 8 $\frac{1}{2}$ "	TYPE 46, 5' 8 $\frac{3}{8}$ " x 3' 5 $\frac{1}{2}$ "

Owing to the method of construction, purpose-made sizes present no difficulty and are available up to a maximum of 19 feet perimeter at approximately pro rata prices—although, of course, there will be a certain delay.



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*The primary consideration in this Secondary School*

*... a hard-wearing **ACCOTILE** floor!*



*The Illustrations of the Entrance Hall and Corridor above are at Flixton County Secondary School, Flixton, Nr. Manchester. Architect: G. Noel Hill Esq., F.R.I.B.A., M.T.P.I., County Architect, Lancs. Accotile Specialist Contractors: The Neuchatel Asphaltic Co. Ltd., Manchester.*

School floors have to stand up to rough usage. That explains the popularity of Accotile for floor surfacing halls, classrooms and corridors in schools all over the Country.

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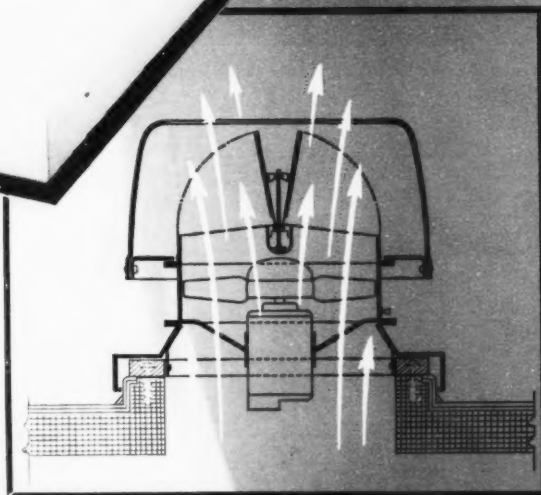
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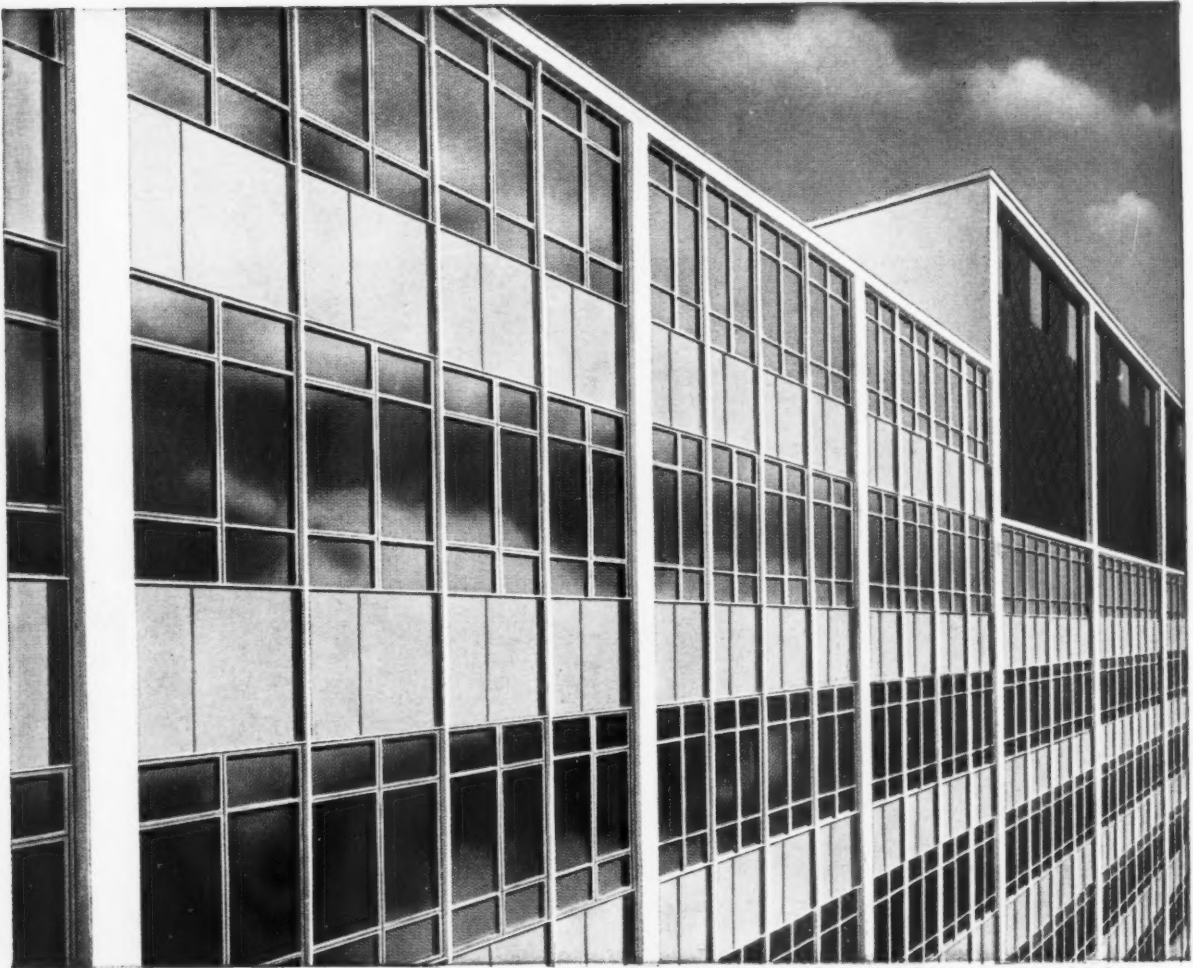
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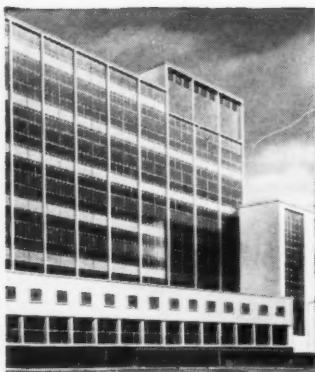




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# HOLOPLAST CURTAIN WALLING

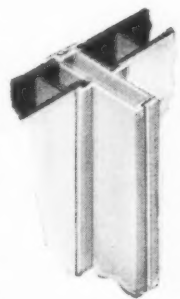
The 'Big Top' is a big job—and Holoplast helps to do it!



A view of the 'Big Top' as it will appear when completed showing the extensive use of Holoplast Curtain Walling.

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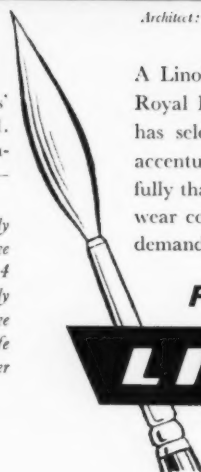
*Architect: J. Stroud Foster, A.R.I.B.A. Linoleum Installation: Cellidin Flooring Co. Ltd.*



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82



A Linoleum floor at the Bond Street offices of K.L.M.-Royal Dutch Airlines. Notice how skilfully the architect has selected a contemporary pattern muted in tone to accentuate his decorative theme. Linoleum, more successfully than any other modern flooring, provides resistance to wear coupled with quietness of tread, which a busy office demands.

**PLAN FOR**

**LINOLEUM**









THE ARCHITECTS' JOURNAL

No. 3253 Vol. 126 July 4, 1957

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OXFORD GUIDE

by Christopher Hurst

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Heard about the shindy on the House Committee?

*Nothin' definite.*

Featherstonehaugh says he'll resign.

*What on earth for?*

'Pears young Johnson tabled a motion that the possibilities of establishing an American Bar should be investigated. Said he knew just the people for the job.

*Reed Millican★ of course.*

None other. Featherstonehaugh said he was damned if he was going to sit idly by and see a dignified club turned into a hall of mirrors by a lot of whippersnappers. Ponsonby and Willoughby-Watkins in support.

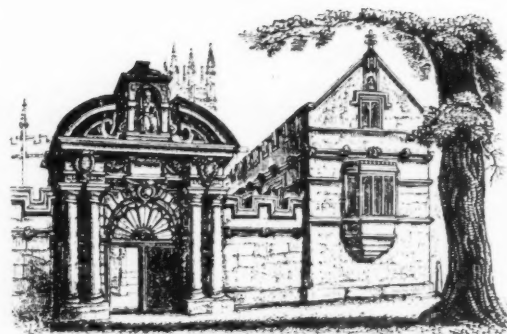
*What's goin' to happen now?*

Johnson's going to cable Mr. Dulles.



# OXFORD REVEALED

*Oxford has been notoriously ill-treated in the last hundred years. University and City have expanded together; tastes have changed and changed again, and through it all much that we have on record, that was picturesque and curious, has disappeared. As in London and so many other cities, the town gates went all at once in the 18th century; these we need not think were any great loss; but another such inevitable victim of progress and expansion, old Folly Bridge (demolished circa 1790), which had a little house known as Friar Bacon's study in the middle of it, endears itself through an anonymous drawing, 3. (There is a small building in the middle of the modern Folly Bridge, so it has not lost all distinction—a public lavatory.) When in the 19th century Magdalen College filled up the space in the corner of High Street and Longwall Street with new buildings, its old perimeter wall, containing a gateway of the Inigo Jones period, allegedly by that master, 1, was swept away. And look at the sublime pageant of the Clarendon, Sheldonian, Ashmolean, Bodleian and Radcliffe Camera, seen from Broad Street, 2—gorgeous palaces, indeed, vast behind their little neighbours. Although the buildings remain, they have dwindled in consequence owing to the upsurge of many new buildings around them, equal if not*



1, former entrance to Magdalen College, facing west, possibly by Inigo Jones. From Ingram's *Memorials of Oxford* (1834).

2, Broad Street, looking east, in about 1790. The gateway, centre, led into Exeter College. From the coloured engraving by J. Farington in Boydell's *History of the River Thames*





greater in bulk, but inferior in every other way. Finally there is Alderman Nixon's school, 4, a perky piece of mid-17th-century "artisan mannerism" stood on the rear part of the present Town Hall site, and was pulled down in 1896. It is hoped that this page, although sad, may still whet the appetite for the journey ahead. In this guide we start at Worcester College, then jump to the Botanic Garden at the other end of Oxford and thereafter proceed in a more or less logical topographical order. Some colleges are left out; and a quantity of what may seem insignificant material, streets, burghers' houses and faubourgs are brought in. This may be a scandal, but in the space allowed, we could not include everything. Most of what we have put in is there because we felt it would conduce to a lively experience; and the converse is true of most that we have left out. Most colleges are only officially open to the public between 2 and 5 in the afternoon; but this rule, where it prevails, can usually be got over by various common-sense means. The collection of old master paintings in Christ Church library is only open in the afternoon; the Ashmolean collections from 10 a.m. till 4 p.m. For a few of the colleges, sketch plans are included, giving the viewpoints of the photographs.



3, old Folly Bridge and "Friar Bacon's study." Drawing in the possession of Mr. Henry Minn.

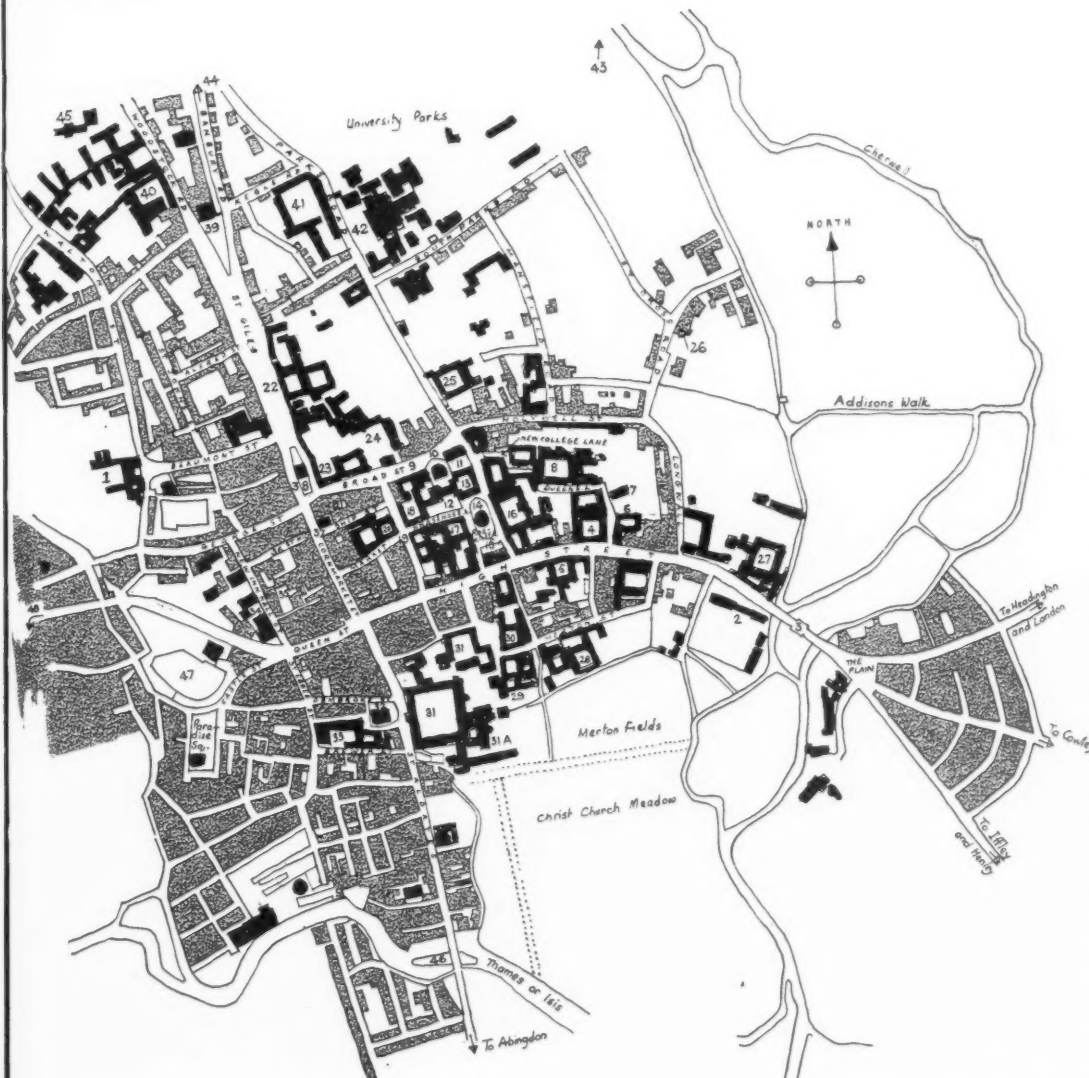


4, Alderman Nixon's School in 1825. Drawing by J. N. Buckler in the Bodleian Library.

#### MAP OF OXFORD

##### KEY

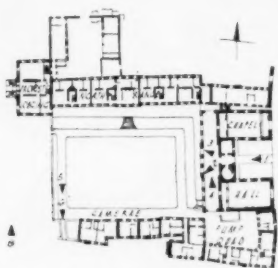
1. Worcester College
2. Botanic Garden
3. Queen's College
4. University College
5. St. Edmund Hall
6. Church of St. Peters in the East
7. New College
8. Old Ashmolean Museum
9. Sheldonian Theatre
10. Clarendon Building
11. Divinity Schools and Duke Humphrey's Library
12. Schools Quadrangle, Bodleian Library
13. Radcliffe Camera
14. St. Mary's Church
15. All Souls College
16. Brasenose College
17. Exeter College
18. Lincoln College
19. Jesus College
20. Cranmer Tower
21. Trinity College
22. Balliol College
23. St. John's College
24. Wadham College
25. St. Cross Church
26. Magdalen College
27. Merton College
28. Corpus Christi College
29. Oriel College
30. Christ Church
31. Cathedral
32. St. Aldate's Church
33. Pembroke College
34. St. Peter's Hall
35. Frewin Hall
36. Vanbrugh House
37. Church of St. Michael by the North Gate.
38. Church of St. Mary Magdalene.
39. St. Giles Church
40. Somerville College
41. Keble College
42. University Museum
43. Parks Bridge
44. Park Town.
45. Radcliffe Observatory
46. Folly Bridge
47. Oxford Castle
48. St. Thomas' Church and Coombe's School



## Worcester



1



... She tried the little golden key in the lock and to her great delight it fitted! Alice opened the door and found that it led into a small passage, not much larger than a rat-hole; she knelt down and looked along the passage into the loveliest garden you ever saw." (Alice in Wonderland, cp.1.)

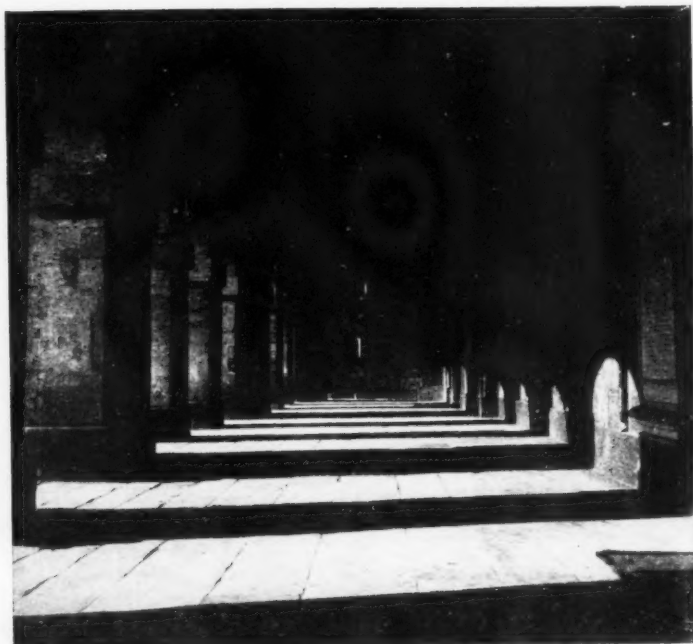
Worcester's entrance front looking up Beaumont Street is perfect urban architecture and it is a pity it is not in the centre of the town, although beside Queens it would seem like almshouses. It hugs and draws back from the ancient building line; its ornament is restrained and forceful. The design has been dubiously ascribed to Hawksmoor. A distant arboreal prospect is framed in the open doorway, 1, which leads into the loggia, 4. Down to the left, 2, are the medieval *camerae* of Gloucester Hall, an old foundation merged into the new Worcester College, founded in 1714; each *camera* was maintained by a great monastery, whose arms appear above the doorways. Up on the right, 3, is the north range of 1753-73, which replaced more *camerae*; a pair of these survive at its east end (visible in 4). The garden was laid out in c. 1817, and the only one in Oxford with a lake and consequently rank and informal. The approach, 5, 6, and the



2



3



4



5



6



7



8



9



10

private entrance to the Provost's garden, 8, bring *Alice* (see epigraph above) to mind, as do the many other human rat-holes in Oxford; here perhaps the association is heightened by the fauna, 9, whose complacent cackling is accompanied by the shunting of railway trucks—there are marshalling yards a little way outside the perimeter wall. The Provost's Lodge, 10, is a graceful appendage to the north range of the college, in the quasi-Grecian style of Wyatt only visible from the private garden or from the other side of the lake, 7.







# Botanic Garden



3

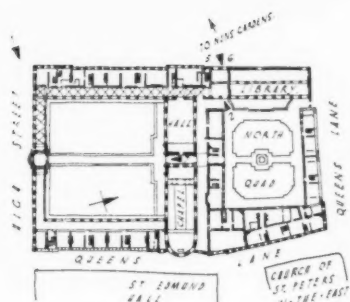


4

The Botanic Garden, off High Street close to Magdalen Bridge, was founded by Earl Danby in 1621. The north face of Nicholas Stone's main gateway of 1632, 2, is a flourish of stage design; the south face, 1 (opposite), is comically bare by contrast. Stone, the chief experimenter at Oxford in the new fangled Palladianism, also designed the east, 3, and west gateways. That in the south wall, of c. 1700, 4, stands mysteriously vast and incomplete. It should be added that many who know Oxford well prefer none of its many gardens to this one.

2

## Queens



This college was founded in the 14th century but nothing of the medieval buildings survived Hawksmoor's rebuilding in the early 18th century. No one needs to be told to stop and admire his great façade in the middle distance of 1 (All Souls is on the left of the picture, University College is on the right.) The domestic clusters either side accentuate its superbia.



1

*Queens (continued)*



2



3

4



5

6

A quadrangle with the fourth side empty save for a screen wall was evidently Hawksmoor's ideal for a college, since he repeats it in All Souls. But besides perhaps being inconveniently grandiose, the front quad. also suffers from the rather inapposite cupola over the inner range, which echoes weakly its confrere on the screen wall, 7. From the north quad. we pass under the library, 2, (1697, the architect is unknown, but it would not discredit Wren) and suddenly break from the rhetoric of Baalbek out into the desert camel-track. This passageway leads to the 'Nuns' Garden, hemmed in behind houses in High St., 4. Over the wall to the west, 3, the spire of St. Mary's. Retracing our steps, 5, we re-enter the north quad., 6—and out, 7.





The church of *St. Peter in the East*, 1, 2, is the most interesting Oxford parish church, after *St. Mary's*; the others mostly had their characters effaced by restorations in the 19th-century. It is painful, for example, to compare an early 19th-century print of *St. Aldates*—as in Ingram's *Memorials* with its present state; rather more fruitless to compare *St. Martins, Carfax*, in the same book, with what it became (*vide* old photographs) before it was swept away in the '90s, leaving only the tower. At *St. Peters* the parapet of quatrefoils round the tower, the two-storied porch and the conical-headed corner piers at the east end remain unspoiled; and the 12th-century nave and, even more, the crypt, would be hard to spoil. But more remarkable perhaps, though less important, is the presence of a churchyard, in appearance rural, in the heart of a city—see also the

2 ravishing churchyard of *St. Cross* off *Holywell*, (the church preserving little of interest besides an attractive sundial.) *St. Peter's* tower, which you can only come upon at close range, in the curious hinterland of *New College Lane*, is more like a message than a monument. Note, before leaving, a revealing sectional glimpse of the *New College* battlements. *St. Edmund Hall* is on the east side of *Queens Lane* adjoining *St. Peter's* churchyard; the last of the halls which made up by far the majority of the houses of learning in medieval Oxford, but now a college in all but title. Its early 17th-century doorway, 3, is charmingly homely, as is the scale and character of the quadrangle, 4, with the trees of the neighbouring churchyard towering over the chapel and library (both included in the same building of 1680-2).





1

### New College



2

On down Queens Lane, and at the junction with New College Lane, the fantastic panoply of Hawksmoor's All Souls rises on the left, 1. New College only makes a small contribution to the streetscape of Oxford—viz. the bridge (1676) linking the Warden's lodging with his barn (1402), 2, and the single supramural glimpse, 1 on previous page; everywhere else it is shut in. However,

the unassuming entrance, 3, 4, leads into the second largest formal quad. in Oxford, 5. The chapel and hall, of the late 14th century, make mountainous contrast with the E., S. and W. ranges, even with their upper storeys, added in 1674. Passing on through the archway in the east range, you enter an estuary of back-stepping wings, the right-hand perspective gratuitously ending with St. Peter's in the East, 7. The garden, 8, with its wild mound (once stepped and ornamentally laid out), the



3



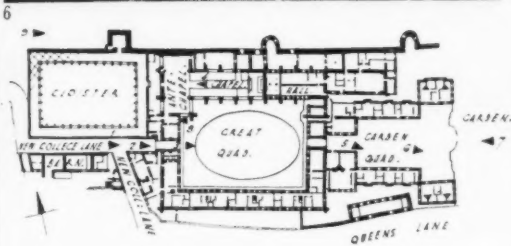
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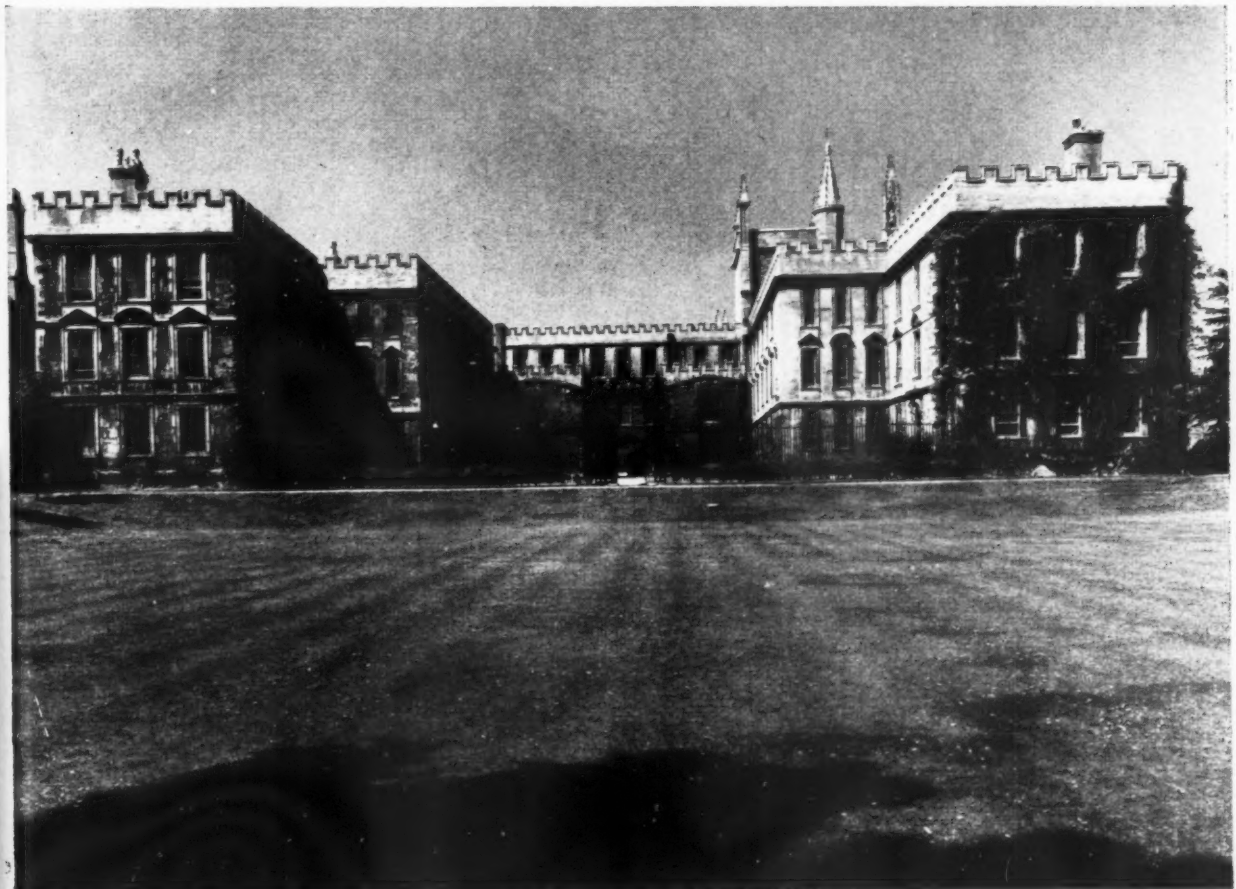
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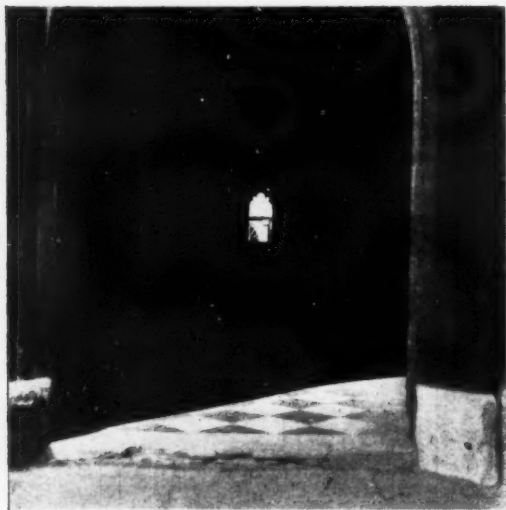




City wall and the disappearing embowered lawn on the right, is like a fairies' ride. Of the three pairs of blocks comprising Garden Quad., 9, the northern innermost one is the original "Chequer" of 1444; its southern companion and the middle pair were designed by an Oxford mason, William Bird, in 1682, and the outer blocks were added c. 1707 by Wm. Townesend, another Oxford mason; note the narrower windows of the 1682 portion. The battlements, even if strictly ungrammatical, do nothing but unite the whole composition, which is one of the most masterly and authoritative in

England—yet, if not quite fortuitous, the result of no master-plan. Returning to the chapel—but the cloister beyond beckons too strongly, 10 overleaf; built in 1400, it encloses a graveyard; its familiars are giant ilex in the corner and the rocky, elemental Founder's bell-tower, seen in 11 from Helen's Passage, whose faceless clock booms every quarter. The interior of the chapel is effectively dominated by Epstein's Lazarus, between the impassive Robert Pinke, left (1677) and Hugh Barker, right (Nicholas Stone, 1632) and under Sir Joshua Reynolds' windows.





10



11

*Old Ashmolean Museum, Sheldonian Theatre, Clarendon Building, Bodleian Library, Radcliffe Camera*



1

The heart of the University, 1. Enter the complex from Broad Street by the little doorway, 2, to the left of the Ashmolean. The latter was built in 1678-83, to house Elias Ashmole's bequest of natural curiosities which are now elsewhere, and replaced by a new collection illustrating the history of science. Although it stands cheek by jowl with Exeter's towering additions, it remains one of the most sublime examples of the naïve classicism of the 17th century, with its big cruciform windows and crudely lavish armorial adornment. The elephantine portico on the east side, 8, does not appear in the earliest pictures of the completed building. Turning about, the scene in 3 would have greeted you until the excavations for the new Bodleian

3



## *New College (continued)*

10, the way into the cloister and 11, the Founder's Tower seen from Helen's Passage with the Turf Tavern in the foreground.



2

began in the 1930's. 4 and 9 show the Clarendon Building, so called because it was paid for out of the royalties of Clarendon's *History of the Rebellion*, published by the University Press; it housed the press until 1831, being now the seat of the Delegates and Registry, also where undergraduates go to receive discipline. Its impression of virile, looming grandeur is perfectly typical of Hawksmoor, its architect, cf. his London churches. The Ashmolean's sophisticated neighbour, the Sheldonian Theatre (right of 8 and left of 9)



4

5

was built in 1663 to end a sacrilege of centuries, the holding of University functions in St. Mary's church. The screen wall with its flaming urns, of which an interrupted fragment survives on the west, 5 and 8, used to bound the

theatre on both sides; a row of circular windows running round the attic storey and a bizarre pinnacle to the cupola were torn off in c. 1790, and now the building is nearly falling down through decay. But the grave southern front

and the interior (wood-carving, once coloured, by Richard Cleer) remain towering monuments to the youthful genius of Wren, who, while still Savilian Professor of Astronomy, designed it. Wren also designed the richly conceited



6





7

processional doorway, opposite, 7 (the Greek text in the open book on the soffit, translated, reads: "... they found him sitting in the midst of his disciples.") The trees and sunlight of Exeter garden are unexpectedly seen through the Divinity school windows, 6: the doorway on the right of 6 leads into the Chancellor's court, and thence into Convocation house. The stalls and woodwork of the latter (c. 1637) and the rich Perpendicular stone vaulting of the Divinity school itself should be seen if admission can be obtained; the entrance is in the proscholium (left of 6 or through archway behind the Earl of Pembroke, 10). Duke Humphrey's Library (c. 1470), above the Divinity



8

school, is only to be seen from the Arts end of the library at the top of the staircase in the corner of Schools quadrangle (left of 8), to ascend which is an experience in itself. The Schools quad. (c. 1613), no longer contains the schools, which migrated as the library expanded. The tower of the five orders on the east of the quad. is a vulgar apotheosis of James I (the original designer cannot be blamed for the modern figure of James); but the panelled wall opposite, 10, sober yet conceited, is a masterpiece. Lastly, charming yet stiff, like another Charles I.—Philip Herbert, Earl of Pembroke, chancellor of the University 1641–3 and '48–'50, by Le Sueur) 11.



9

OPPOSITE: Glimpses of the Radcliffe Camera (for exterior see pp. 17, 18). Dr. John Radcliffe, who bequeathed £40,000 in 1714 to found the library, specified the site it was to occupy, in his will, his vision being the more remarkable as it was then occupied by tenement houses; it took his trustees 20 years to acquire the properties. James Gibbs was the architect and it was completed in 1748. The basement storey, now a reading room, was an open arcade, and the present north entrance which cuts into the staircase was a window until 1863. Rysbrack's marble figure of Dr. Radcliffe, 12, was among Gibbs' original specifications. 13, the staircase ceiling.

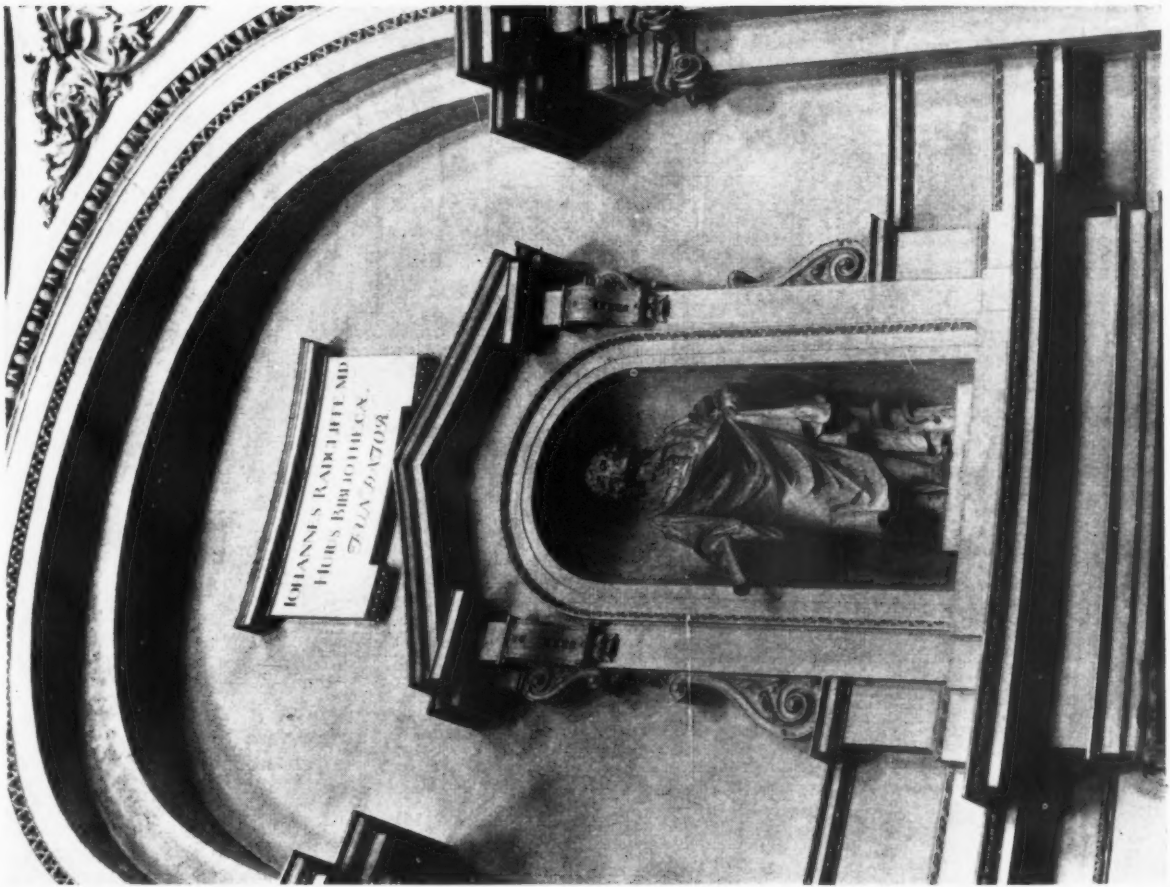


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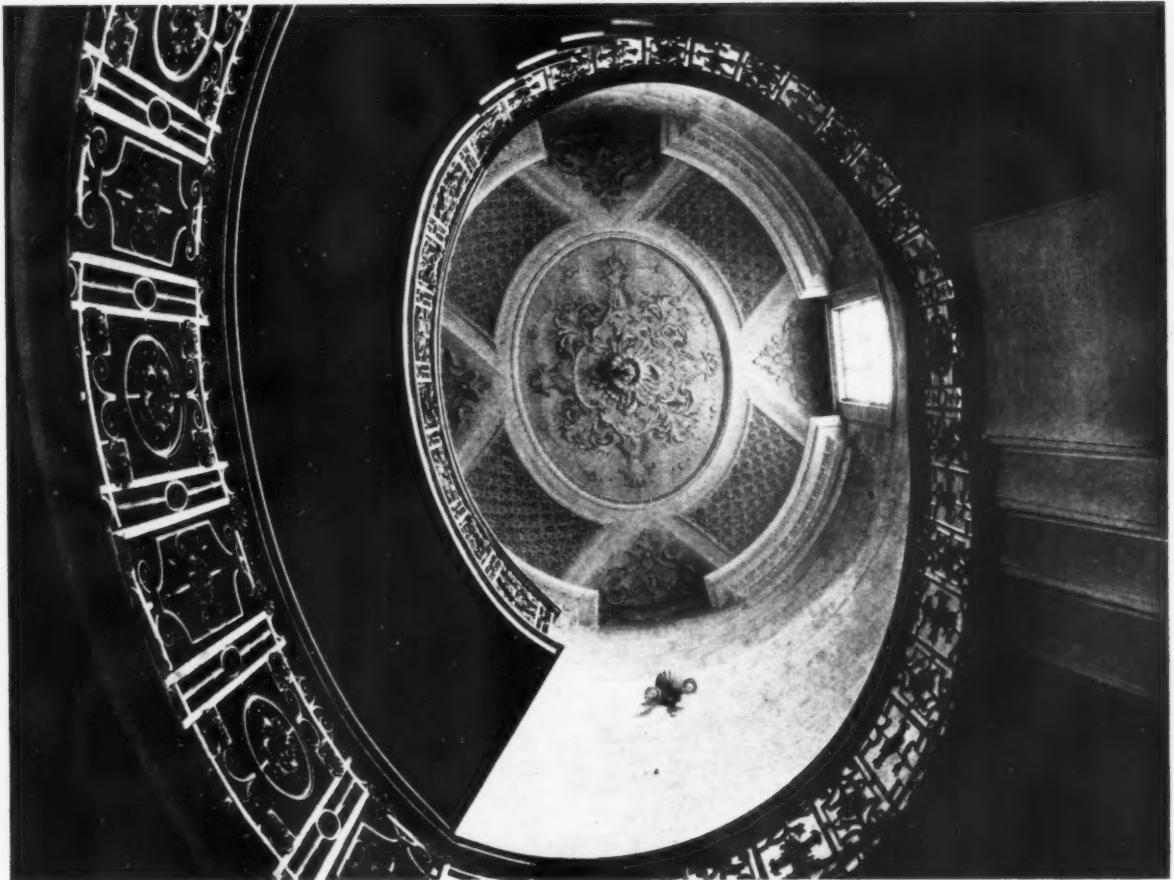


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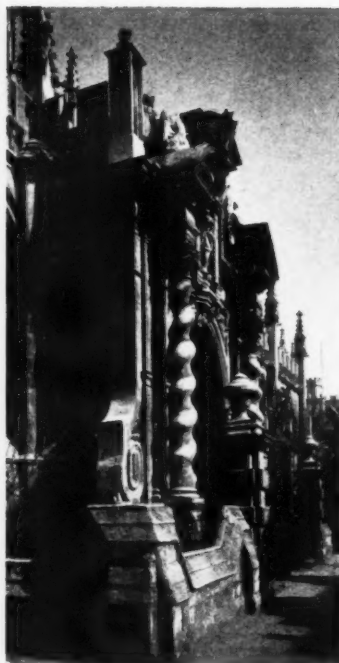
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13



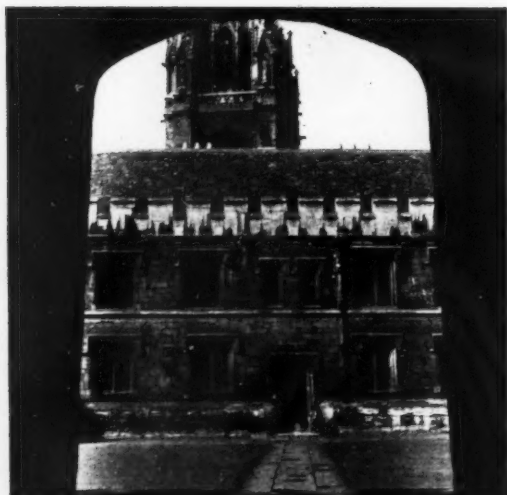
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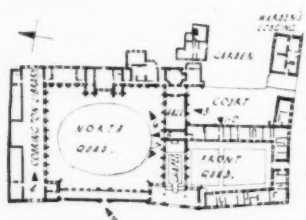
## St. Mary's

St. Mary's is the University Church and a characteristic approach-view is shown, 1, from the north. The external stone-work of the church has almost all been refaced in the last 120 years; yet the texture on the north side is more homogeneous than on the south. The old Congregation House (whose function the Sheldonian Theatre supplanted and Library at the north-east corner should be noticed. One of Oxford's great monuments, however, is the south porch, 2, designed by Nicholas Stone in 1637; far less restrained than most classical work of the Inigo Jones period, it is in no way messy like the centre-pieces of Canterbury Quad., St. John's. The central figure of the Virgin and Child is scarcely protestant in feeling; the miracle is that only the flanking angels were decapitated by the Puritans. Here in 1833 Newman preached the sermon that launched the "Oxford Movement" and the Catholic revival in the C. of E.



1

## All Souls



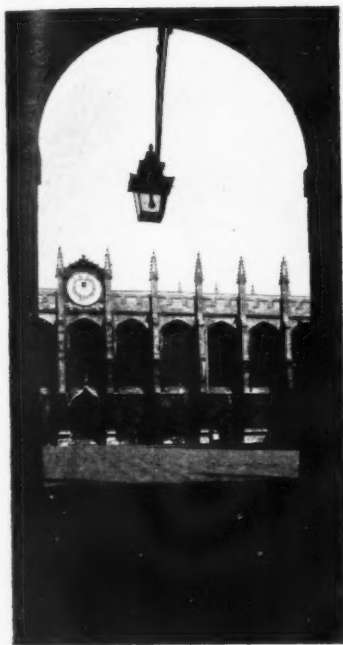
All Souls is about the only college which, both outside and in, remains almost exactly as Loggan engraved it in 1675, almost exactly, in fact, as completed in c. 1444; essentially, the changes have been additions. (For exterior see view of High St. on page 7.) 1 is the South quad. with St. Mary's steeple in the background; 2 is the same, spied, in conjunction with a pleasing floor and wall texture, from Garden Court. Turning right from the viewpoint of 2, the hall, 3, with a stark armorial capriccio. From the south quad. a narrow passageway, broadening and



2



3



4

soaring as it proceeds, 4, leads to the north quad., designed by Hawksmoor. This passageway, seen the other way about is a happy reminder that, but for a shortage of funds, Hawksmoor's operations would have been extended as far as High Street



5



6



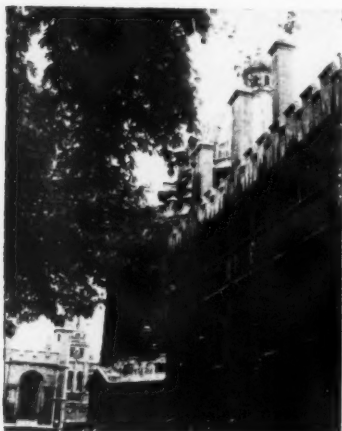
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obliterating the medieval college altogether. However, what he achieved perfectly blends fantasy and solidity: appropriately, fantasy predominates in the distant view, cf. page 10, and solidity in the closer 7. The screen backing Cattle Street, 5, almost touches the oriental and the gatehouse, 6, combining gothic crockets and pinnacles, a Corinthian capital, a neo-Grecian relief of a bishop and a hackneyed pineapple, is a Folly. Hawksmoor wished to make the screen classical, but the college would not suffer the inconsistency. The Codrington Library, seen across the quad., 4, completes Hawksmoor's scheme; the utmost pains were taken to the opposing wings it even being proposed that the mullions should be taken out of the Chapel windows. In the vast and princely interior, 8, only the most austere classical air is breathed.

8







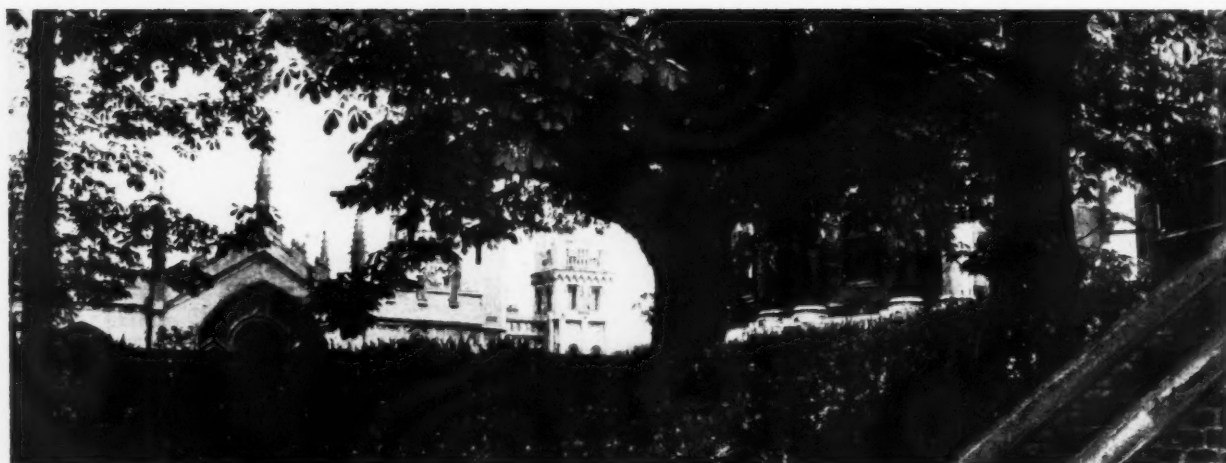
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2

## Brasenose and Exeter

As we have seen, the Camera towers from afar, looms from close to. An approach as suggestive as any is down Brasenose Lane, 1, it eclipses the lively front quad. of Brasenose, 2. The chapel, in the quad. to the south, was built in the 1650's; medieval in plan, and with fan tracery in the choir-vault, yet its detail, particularly on the exterior, has strong leanings towards classicism. Exeter Garden, 3, is mainly remarkable for its outlook and for the colossally deep buttresses of the Divinity Schools which adjoin it. The college hall of 1618 is the only monumental survival in the college of any style earlier than Gothic



3

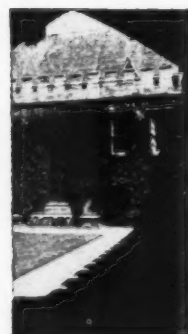


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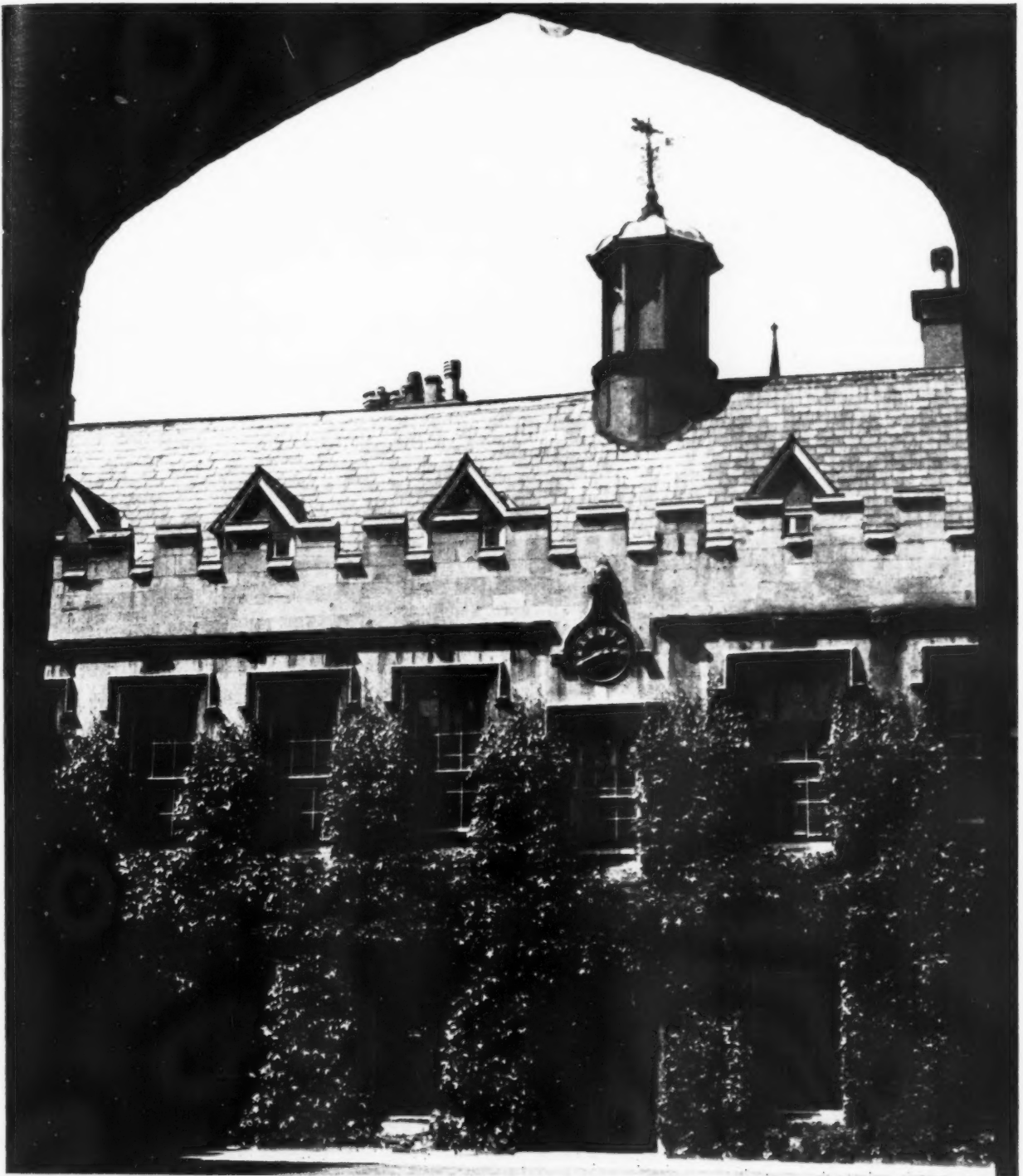
revival of 1830 onwards; in the chapel, Gilbert Scott emulated the style of the Sainte Chapelle and the *flèche* makes as pleasant a terminus to Ship Street as St. Mary's does to Oriel Street. The gatehouse is a great curiosity; it was built in 1701-3 and treated on the east and west faces in a Palladian manner, with rustication and giant Ionic pilasters. These were entirely stripped off in the 1830's, leaving the vault of 1701, 4, with its pair of saucer domes, panelled pendentives and pendants, supporting the arms of benefactors.

## Lincoln

1







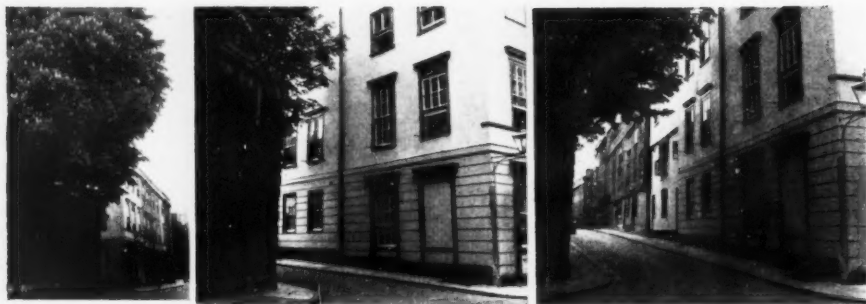
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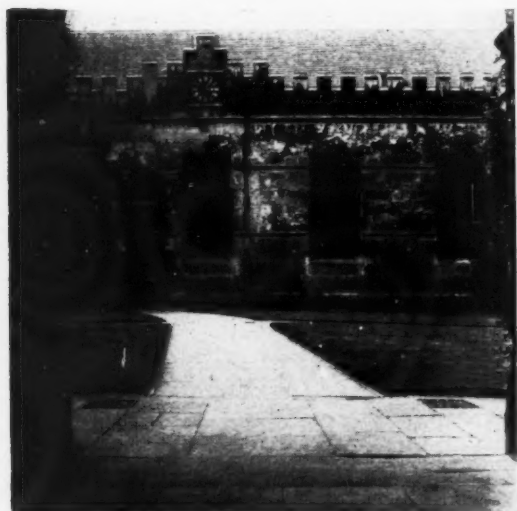
Lincoln is a tiny, cosy college, founded by Robert Fleming, Bishop of Lincoln, in 1427 to train graduates to combat the heresies of Wycliffe. Much of the existing front quad., 1, 4, was completed in Fleming's lifetime; however, the street front had its dormers replaced by battlements and all the windows rebuilt in 1824, and the tower consequently looks cramped. Chapel quad., 2, of 1609 (west side) and 1631 (east side) is more intimate and enclosed even than its neighbour. The chapel of 1631, 3, is tardily and unashamedly Gothic, but the magnificent screen, the carving of the roof, the cartouche of arms, the panelling, etc., are completely classical, although of the same period. With the Renaissance glass by Bernard Van Linge bridging the gap, this chapel is amongst the greatest gems of Oxford.



The corner of Turl Street and Ship Street—a high wall, a gateway, a chestnut tree and a row of old houses.

## Trinity

The gatehouse and chapel of Trinity (built c. 1691, probably to the designs of the great amateur architect, Dean Aldrich of Christ Church) are seen here from the south, 1 and 2, and the north, 3 and 4

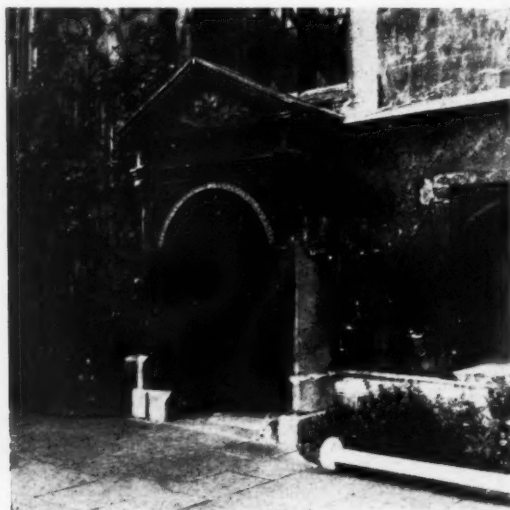


## Jesus

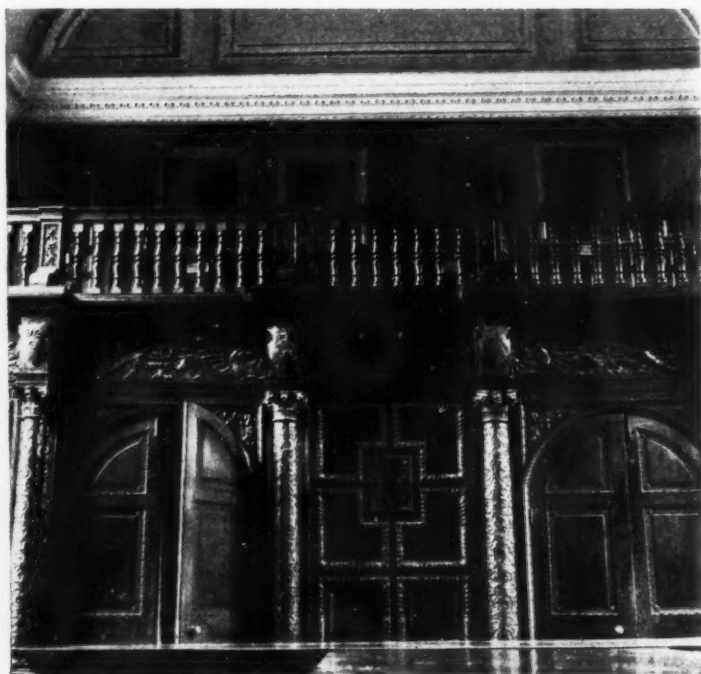
One single factor, an off-centre tunnelway leading to an inner quad., makes this college exciting; the smallness of the quad. and the bigness of the hall causing the detour. A hundred similar exigencies make townscape into one of the most durable of temporal pleasures. The college was founded in 1571 and has a strong Welsh connection. The chapel porch, 2, a stumbling (late 17th century) essay in classicism, bears the inscription "Ascendat oratio, descendat gratia." The hall is singled out in this guide from amongst many of more obvious quality as typical of all: 3, the dais and high table; 4, the entrance from the tunnelway.



3



2



4



1



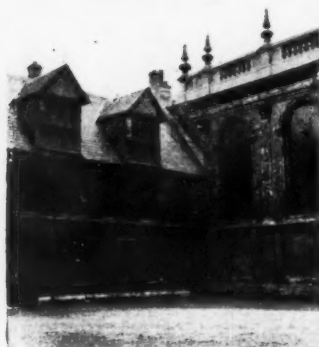
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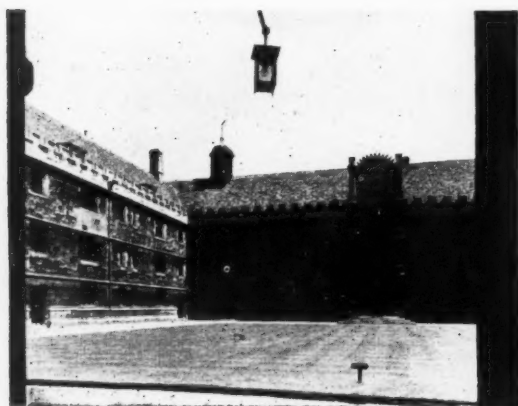
### Trinity (continued)

The swags, scrolls and lions' heads, overblown for our temperate climate and impaled on strong horizontal and vertical lines, are reminiscent of Baroque Rome. All this is lost in the distant view from Broad Street. The east range of Durham Quad., 5, alone survives of Durham College, until the Reformation a "nursery" for the monks of Durham Abbey: Sir Thomas Pope bought the land and founded Trinity College in 1555. The sumptuous chapel interior is characteristic of the heyday of Wren and Grinling Gibbons, though neither is known to have had a hand in it. The gate in the east wall facing Park Road, 6, is of 1713.



*St. Johns:* Canterbury Quadrangle seen from the Garden. Built by Laud in 1631-6, the quad. is a strange mixture of the new classicism of the time with the native style, which could be, and is here, very vulgar. The forecourt of the college beside St. Giles and the graceful battlements over the little block to the north of the main front are delightful.

### Wadham



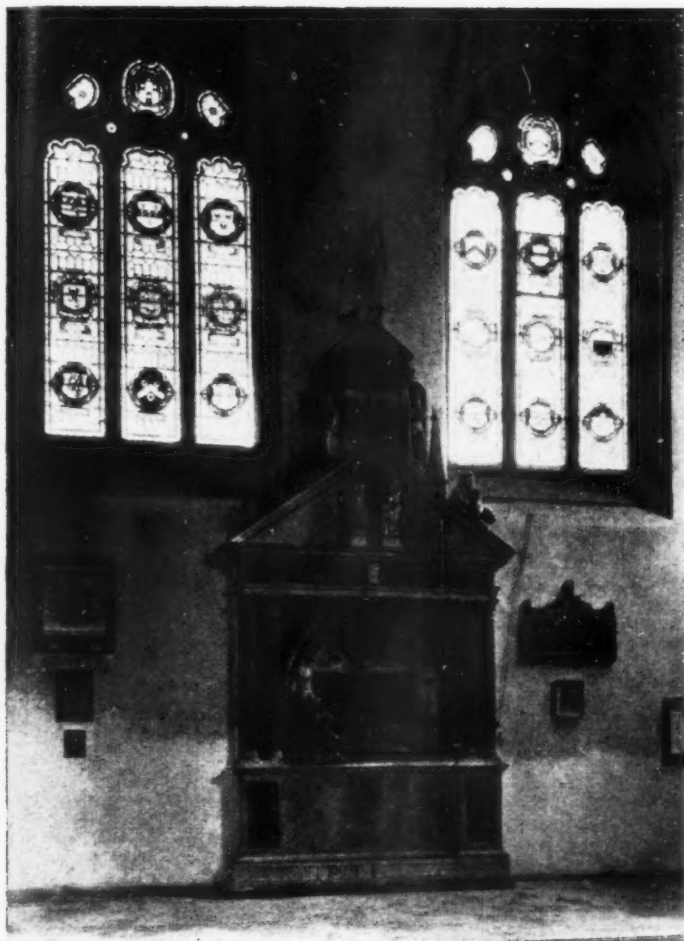
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The front quad., 1, and main buildings have been scarcely altered since the foundation in 1610-12. Although the elements here are very similar to those in the front quad. of Oriel—these two are the pick of the Jacobean quadrangles—the pair of lanterns here is more prominent and, doubtless because of the low parapet and consequently vast area of steep-pitched roof, the centre-piece (containing



2





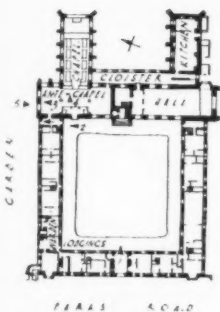
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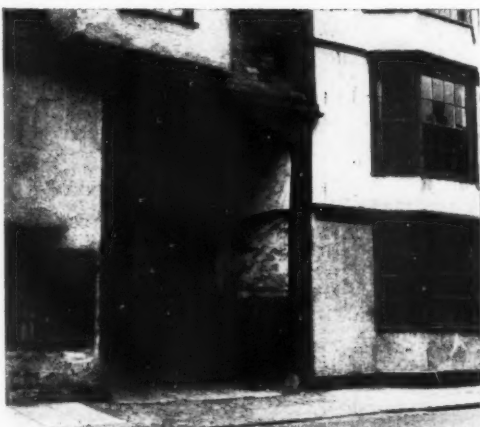


5



the statues of Nicholas and Dorothy Wadham, the founders, and James I) weaker; therefore a 'duality' is very prominent. However, although big, the quad. is homely and protective. Across the quad., left, you reach the entrance to the garden, 2, which speaks for itself. The chapel interior, although restored in part, has about it the air of an Ackermann plate: 3, the north wall of the ante-chapel with a monument to Sir John Portman, Bt., of 1624. 4, looking through the screen into the choir. 5 shows the outside of the wall seen on the inside in 3, facing the garden; rather casting its eyes piously to heaven.

BELOW: 1, a house on the north of Holywell, just east of Mansfield Road; the arch is one of two superb similar products in Oxford (for the other see page 31) of the uneducated carpenter's craft. 2, Nos. 1 and 2 Holywell at the east end of the street, with the wall of Magdalen Grove beyond (left in St. Cross Road are St. Cross church and Holywell Manor, and the lane to Holywell Ford). The enormous trees in the grove seem, in a pagan way, to protect the tightly packed urban houses below. On the corner of Longwell Street is a branch of Morris Garages, on the site of a bicycle shop which Lord Nuffield, as an unknown mechanic, opened 60 years ago. Behind the houses in Longwall runs the City wall, 3; once again a larger element is like a god-parent to the smaller ones, the houses clinging as if by nature to the ancient wall.



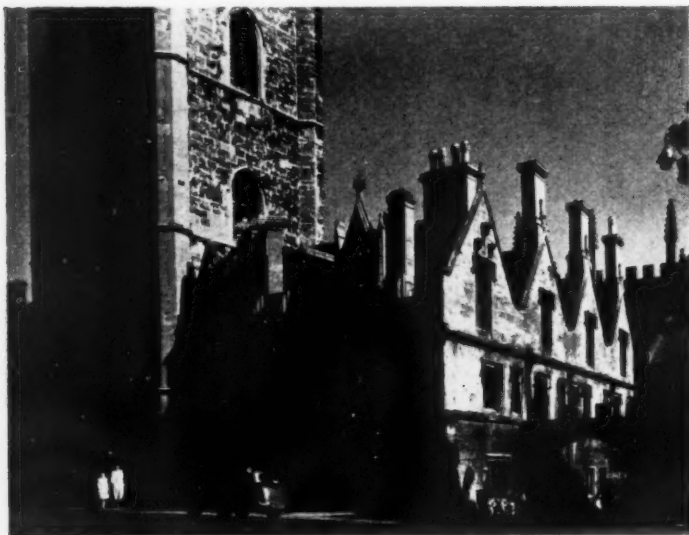
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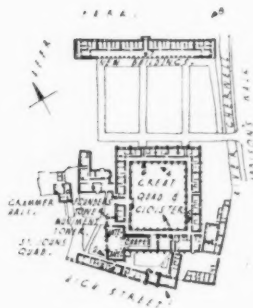
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3



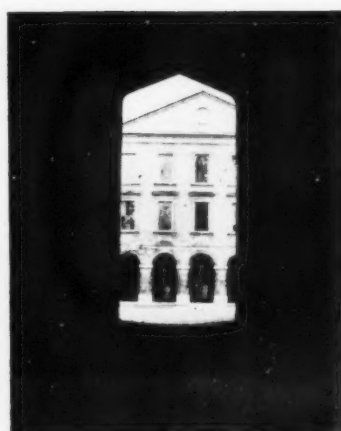
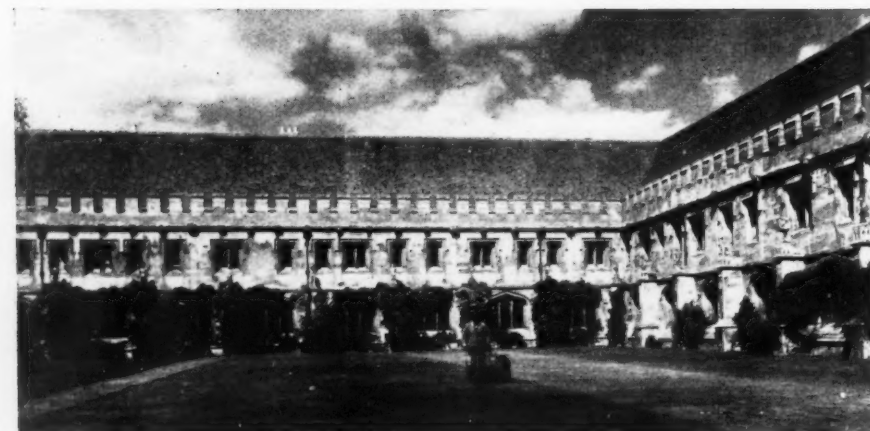
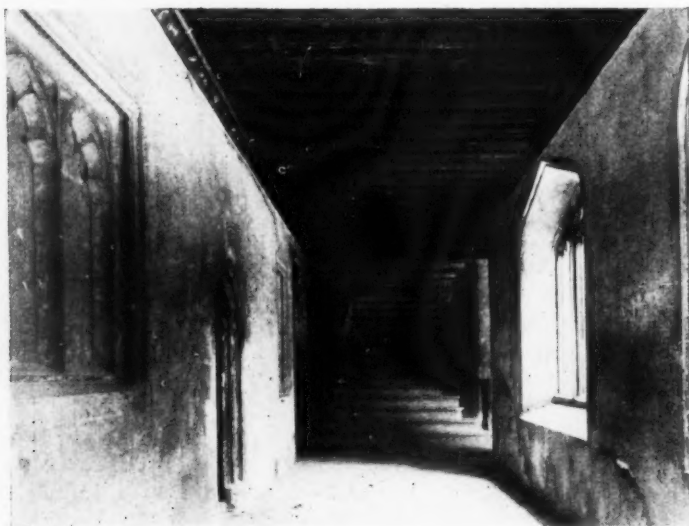
## Magdalen

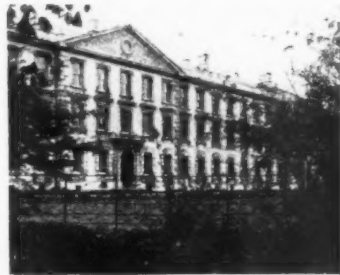


Magdalen is very popular. Its benign tower of 1492-1509 is an appropriate roosting-place for doves (and New College's Founder's Tower for rooks). 1 shows its base fronting Hight St.; for the belfry, see view from Botanic Garden on page 6. The front quad., although it contains the Founder's Tower and the superb west face of the ante-chapel, was made a meeting-place

of the four winds by the 19th-century additions, which swept away the old west wall and gateway (see page 2). Note the late 15th-century pulpit in the south-east corner. 2. The great cloister quad. however is a glorious unity and remains almost exactly as it was completed in the 1480's. 5. The entrance to the chapel is under the Muniment tower; inside, the grisaille stained glass

of c. 1632 is chiefly remarkable. 7. The hall is approached up a flight of stairs, 3, from the south cloister. Some of the grotesque statues on the buttresses between the cloister arches, 4, are like *personae* of Hieronymus Bosch—beasts with secondary faces staring from their stomachs, etc. Two tunnels in the north cloister lead through to a lawn facing New Buildings, 6, which, when it was





8, 9

built in 1733, was regarded as only the northern range of a great classical cloister; the two pedimented ends were left incomplete and only faced over in 1822. The vault of the central archway contains some spirited rococo plasterwork. 8. The grandeur of New Buildings is best appreciated on its northern, unrestored side, 9, overlooking the deer park; to do

10

this one must cross the Cherwell backwater and enter Addison's Walk, 10. This walk is momentarily reminiscent of the Cambridge Backs; but the sense of privacy here is far greater. Tailpiece: 11, meadow, north of Magdalen Bridge; the only approach to this is down the streets leading off St. Clement's.



11





1

# Merton



2



3



5

1

Leaving Magdalen and passing through the Meadow, 1, we can ponder the significance of this innocent-looking greensward, much as we might, say, over the fields of Edgehill or Bannockburn. The college is the third most ancient in Oxford—only University and Balliol are older—being founded in 1264 (in the priory of Merton in Surrey, hence the name; the quarters in Oxford were

occupied ten years later) and the first to enjoy great patronage and magnificence. Mob Quad., 4, is certainly the oldest quad. (built c. 1308; dormers added c. 1623. Nobody knows what "mob" in this connotation means.) The hall (heavily restored) and the chapel existed before the foundation of the college, the latter being, and long remaining, the parish church of St. John



4

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Baptist. The crossing, the noblest feature of the chapel interior, with its massed shafts and great height, is of c. 1330; the bell-chamber of the tower, 2, was added in 1451. 3, the college gatehouse from Merton Street; the statues of the founder and a king are modern copies, the sculpture of the book, with the *agnus Dei*, St. John Baptist and the founder, in its strange paradisaical setting of docile beasts, is 15th-century. The blocked 16th-century doorway along the street to the east belonged to the defunct St. Alban Hall. 5, a gateway in the Fellow's Quad. of 1621, under a characteristic "tower of the orders" with a view of the Meadows beyond. (The Quad is prominent in the right of 1.) Out through the tunnel and left, the Garden, 6, enclosed on the south by the City wall. Over the north wall are visible some of the old houses in Merton Street. 7, the Summer House of 1706-7, erected, so it was alleged, that the Warden's wife might eavesdrop the



7

Fellows' conversation. Visible from behind it, 8, the surprisingly well integrated and evocative "Queen Anne"



8

houses, in the north-south branch of Merton Street, built presumably c. 1890 by a careful follower of Norman Shaw.





1

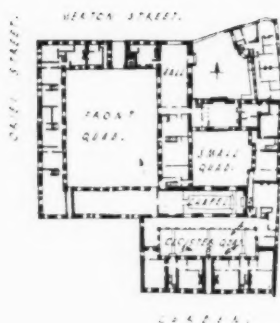


2



3

1, Magpie Lane, looking towards High Street from the Merton Street end. A house at the top has the best authenticated ghost in Oxford: Prudence Burdicote, who was alive during the royal occupation of Oxford in the Civil War. She wears Puritan dress and in modern times was mistaken for a maidservant, until she turned round and walked through the wall. 2, Kybald Street, leading to University College garden and the (real) tennis court. On the left are almshouses of c. 1820. 3, Merton Street with Corpus Christi on the left (note the unifying power of the 1937 parapet which gathers the hall window and the three stories of chamber windows into a whole.



1



3

## Corpus

1, the front quadrangle; the soft unpaved, ungrassed surface makes this quad. one of Oxford's pleasantest. The sundial is of 1581, and surmounted by a pelican which is drawing its own blood to feed its young. Passing out of the quad on the east side by the hall and across Small quad. a passage, 2, to the east of the chapel leads to Cloister quad. and Fellows' Building, 3, (built 1706-12, ascribed to Dean Aldrich). The "cloister," 4, might well have been built to narrow the quad. and increase



2



2



4, 5



6

the dominance of Fellows' Building; the organisation of effects is, in any case, masterly, and the climax comes with the revelation, along yet another stark tunnel, 5, of the garden. From here you can turn and see Merton Tower over the end of the chapel, 6.

For kaleidoscopic effects on the grand scale, only Radcliffe Square can equal the sequence of views as you come out at the south end of King Edward Street, and Oriel and Corpus Christi reveal

themselves in turn, round the corner of the Christ Church screen wall. The handsome doorway in the centre of the wall's concavity is a sally-port for dustmen.



1

## Oriel

The college was founded in 1324-6, but nothing medieval remains. The east range of the front quad., 1, remains, for better or worse, the epitome of college architecture in the 1610's and -20's;

and, with University College, it has the noblest street frontage of the period. Through the north-east corner of the front quad, you reach the rough but moving Library, 2 (James Wyatt, 1788).

Further north, beyond the Library, is St. Mary's quadrangle, now part of the college, but until 1902 an independent academic hall; 3, angels in the north-west corner.



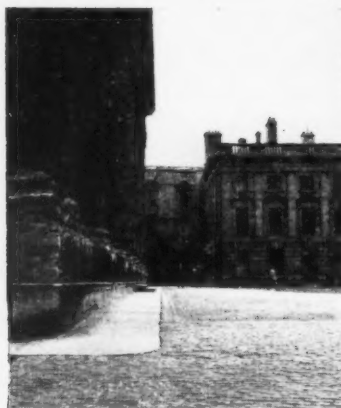
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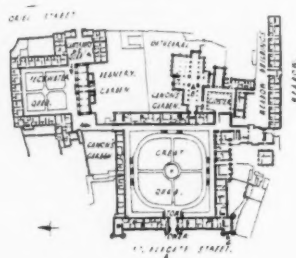
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## Christ Church

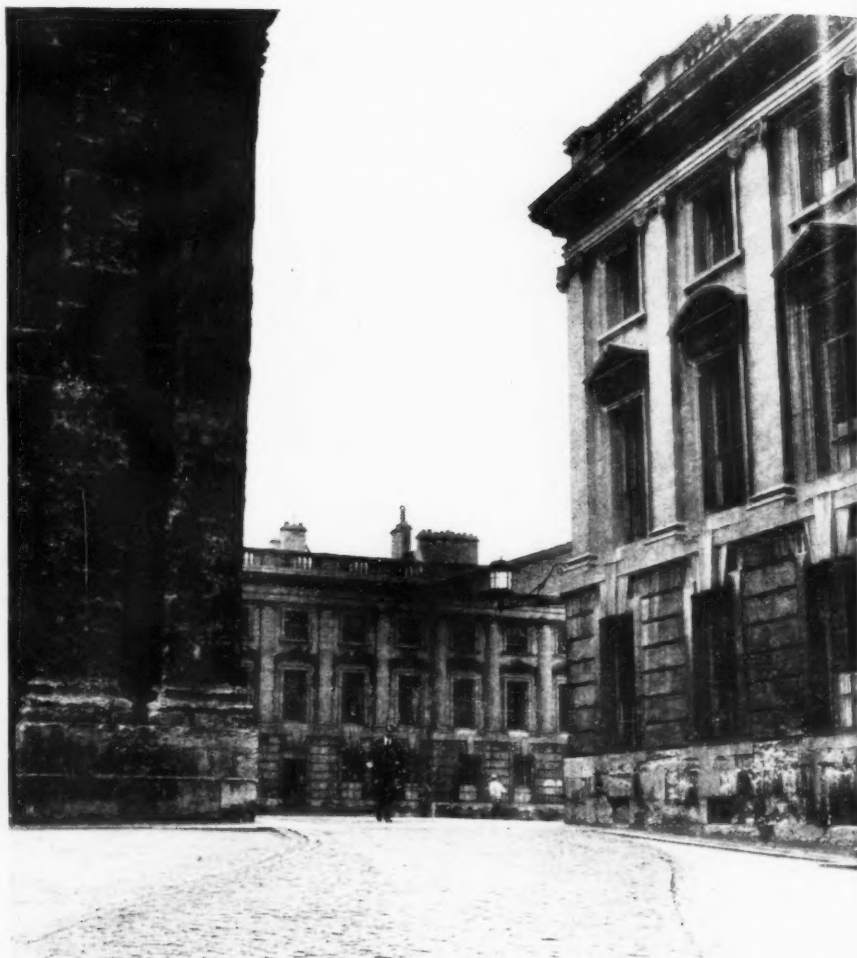
Christ Church holds pride of place in Oxford for size, wealth and social *cachet*; its Great Tom quadrangle stands as a towering memorial to Wolsey's



3

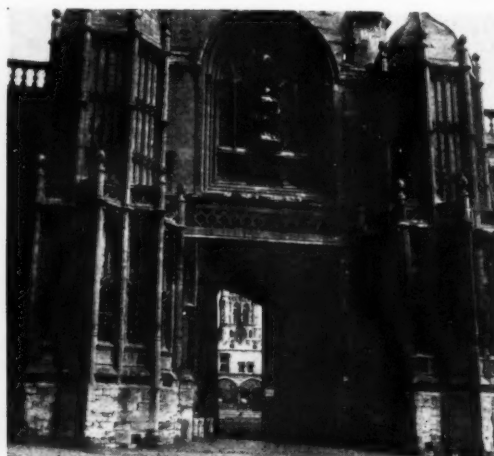


4



beneficent megalomania, although but a fraction of what he intended to build; Peckwater Quad. (by Dean Aldrich, 1705), and the "new" library (by Dr. Clarke of All Souls, begun 1716), together and apart are surely the finest piece of work ever accomplished by amateur architects; the Cathedral stands inside its college, and finally Tom Tower is, if not one of Wren's greatest buildings, a testimony of his inventive genius and tact. Could Inigo Jones, Hawksmoor or Gilbert Scott have

added so boldly to such a formidable composition as Tom Quad. and still enhanced it? No; we are lucky indeed. The progress from the gentle Canterbury Quadrangle (Wyatt, 1773-86; for exterior, see bottom left p. 28) past the Library and Peckwater, 1-3, to the turning past the west end of the library into Tom Quad. 4, needs no commentary. 5, looking from St. Aldates Church through Tom Gate over to the Cathedral doors. 6, window in the south bay of the main front.



5



6





Oxford Cathedral and Collegiate Church, originally the church of an Augustinian priory. Left, the Latin Chapel, built c. 1320; in south-east bay an exquisite late 15th-century chantry chapel with

oak "watching loft" over. Right, the Presbytery, late 12th century; vaulting late 15th century. On the south side of the Cathedral are the cloister and chapter house.



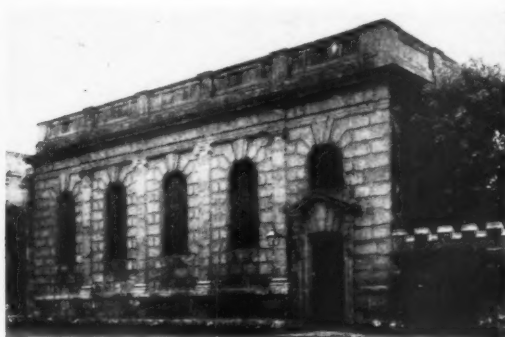
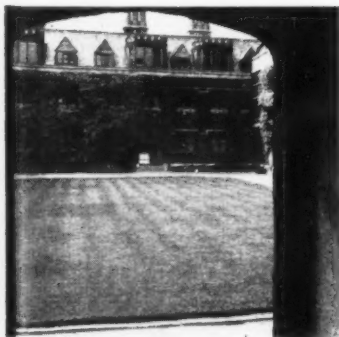
1, early 18th-century houses on the west side of St. Aldates. 2, 13 Pembroke Street, built in 1641.



### Pembroke

3, the entrance doorway spied from Pembroke Street. The quadrangle, 4, although built after the Restoration, in 1673-94, was belatedly Jacobean except for a beautiful Palladian gatehouse and

north range of c. 1695, which were unfortunately replaced by the present Gothic buildings in c. 1838. The delightful chapel of 1732, 5, happily escaped this wretched zeal. The block facing St. Aldates was Wolsey's almshouses until 1888, and was remodelled as Pembroke's Master's Lodging. The tiny Master's garden should be seen if possible, tucked into a little corner overlooking Brewer Street.



3



# Private and Public

East of New Inn Hall Street, Frewin Hall, 1, remodelled around a former college of Augustinian canons. The Sharp plan for Oxford would involve its demolition; much of the charm has already gone, with the Union left, and the new



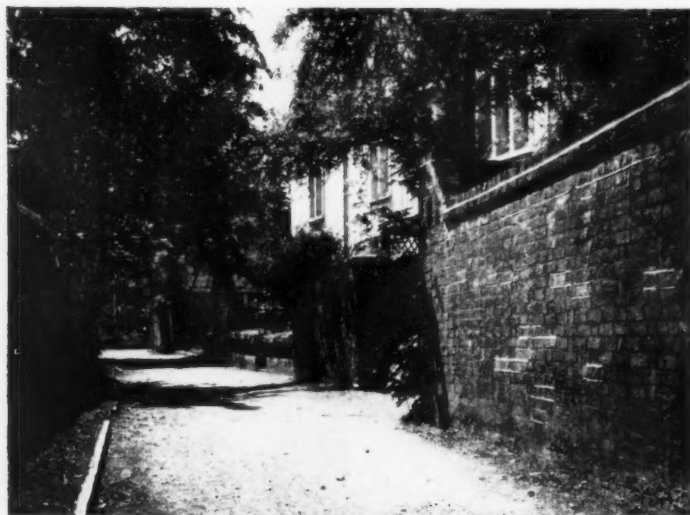
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2

Woolworths, out of the picture right. 2, Vanbrugh House, round the corner in St. Michaels Street; illustrates the happiest method of refacing,

Oxford's besetting problem; the gabled house next door shows the other method—the clean sweep. 3, Wellington Place, a charming mid-



3



4

Victorian backwater west off St. Giles. 4, the late 17th century Eagle and Child Inn on the west side of St. Giles. 5, No. 41 St. Giles, c. 1700, a weird mixture of a then living and a dead style. 6, on the left Black

Hall, early 17th-century; right, the only distinguished Regency house in Oxford. 7, St. Giles church, mainly 12th and 13th centuries, illustrated here for the pedestrian way which runs between it and the graveyard.



5



6



7

## Somerville

It is surprising that in this age of individualists in architecture, the architect of the front quad, at Somerville, Morley Horder, should have



1



2

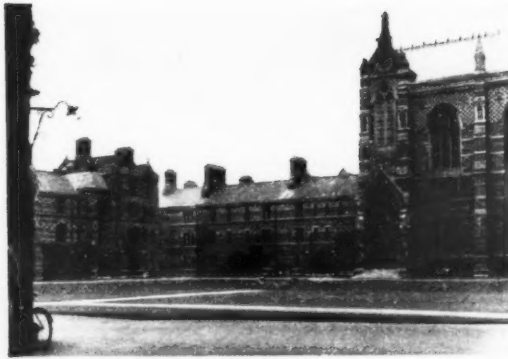


3

been so sensitive at once to the urbanity of Oxford and the intimate, communal character of a college. 1 looks in towards the garden; 3 at the rear of the gatehouse butting on to Woodstock Road. Space, mercifully, has not been wasted. Less personal influences brought about the happy, characteristically Oxonian touch of arcadia, 2.

## Keble

"With (William Butterfield) moral obligations must control all aesthetic impulses, and he may even be suspected of wounding the senses deliberately as a vicarious act of mortification." (The Victoria County History.) A generation or two ago, Keble was known amongst

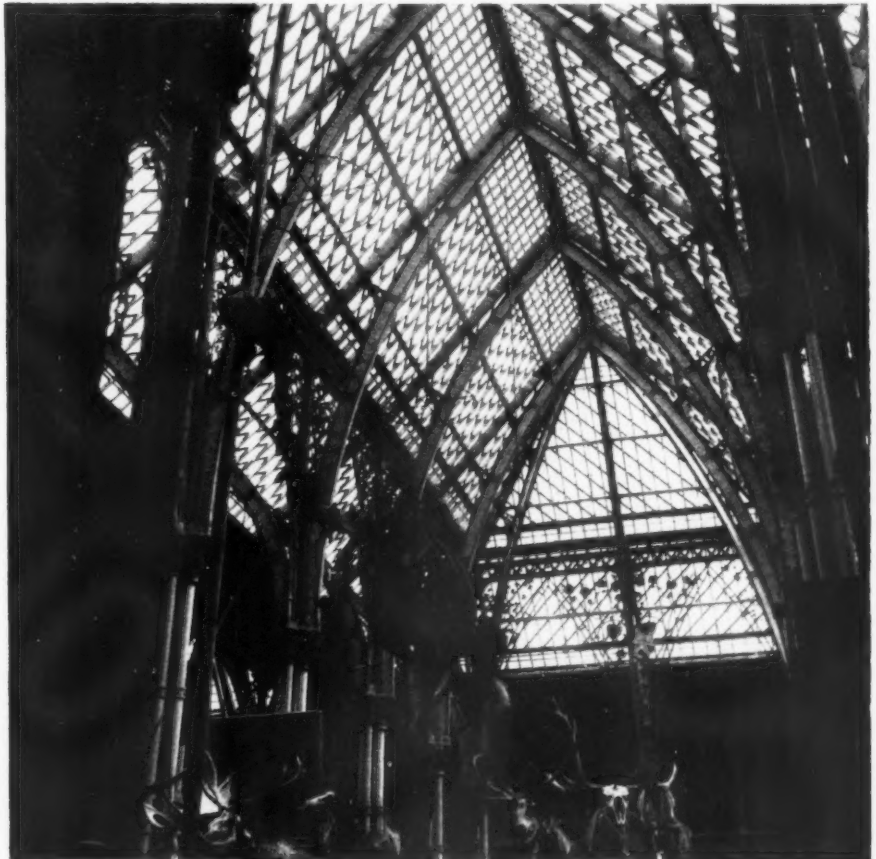


4



5

University Museum, 6. Designed by Benjamin Woodward, with Ruskin at his elbow, and completed by 1860.



6

undergraduates as "streaky bacon." From far enough away, and even peeped over the wall from Black Hall Lane, 5, it charms; but inside, 4, the unfading polychrome brick suffocates; and the windows are cruelly narrow. The chapel should be compared with the many other architectural results of the Catholic Revival in Oxford, which there is no room to illustrate: Pusey House, the Cowley Fathers, the church of St. Philip and St. James in the Woodstock Road; and even with that gentlemanly pastiche, the home of another extreme of churchmanship, Mansfield College, in Mansfield Road.



## Northern Periphery



1

1, an idyll in reinforced concrete: the bridge over the Cherwell in the University Parks. 2 and 3, right, Park Town (the crescent at the eastern extremity), a poor man's Regent's Park,



2



3



the dying cry of classicism (notice the date) in the heart of arty and bosky North Oxford. 4, the Radcliffe Observatory, in the grounds of the Radcliffe Infirmary, Woodstock Road, debased and eccentric, but a work of genius, by James Wyatt, c. 1790. As it is now a research laboratory, you are unlikely to see the inside of those great windows on the second storey, 5, and the iron stair leading up to the roof. 6, courtyard of the University Press (architect Daniel Robertson, 1828) on the west of Walton Street: enlightened industrialism.



4



6

5

## Southern Periphery



Starting at Folly Bridge. On the north bank of the Isis is the dwindling line of college barges. It seems an agreed policy among the colleges

to scuttle the barges as they fall in need of repair; boathouses, some nice and others nasty, are replacing them down river.



*Southern Periphery (continued)*

1



2



3



5



4, 6

Salter's boat-yard, beside Folly Bridge to the east: 1, the boatyard and barge-boarded boatsheds, 2, the owner's residence. Now we walk upstream along the southern bank of the Isis into what used to be heart of industrial Oxford. Gone are the original gasworks and the Regency gasmaster's cottage; but character remains: across on the north bank are some houses, genteel, 3, and plebeian, 4. Past the gasworks, under the railway bridge, an about-turn gives us the Dreaming Spires, 5; a few

steps farther and we are at the beginning of the Scholar Gypsy's country. 6. The obelisk commemorates a man who died saving two boys from drowning close by. 7. Coombe's School, 1702, at the bottom of High Street, St. Thomas, near the railway station. From here it is a short walk to the canal and the Castle. Skirting the Castle by way of Paradise Street we come to the Jolly Farmers Inn, 8, and beyond it on the same side, the rich stone doorway of Greyfriars, 9.



7



8

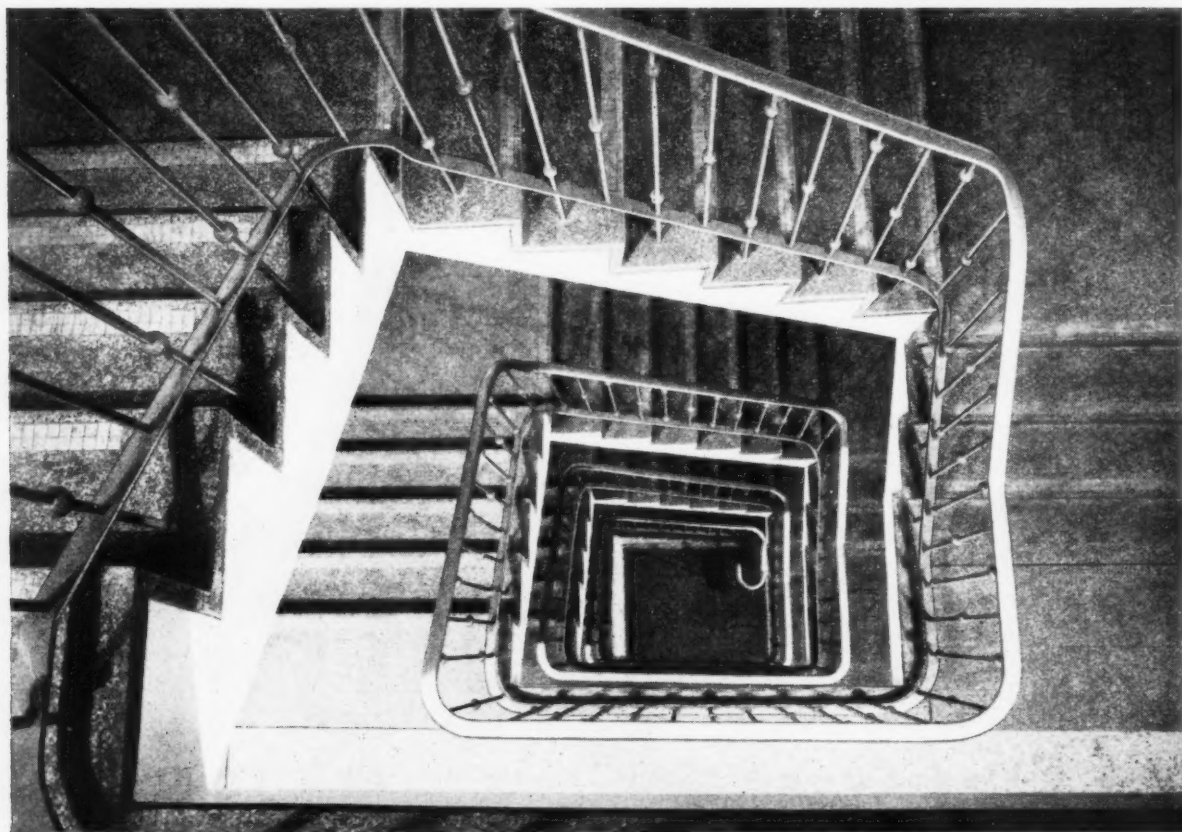
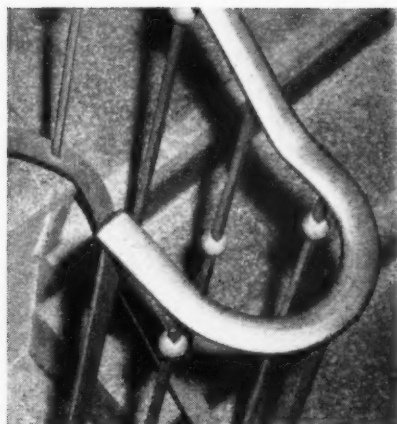


9

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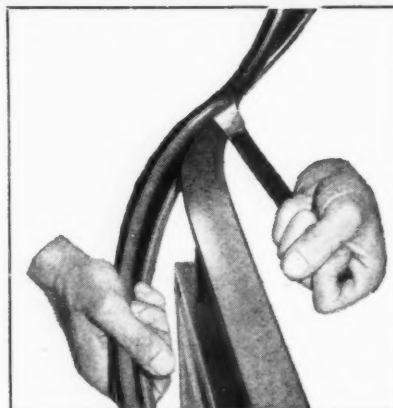
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MRL 8

*St. Ebbe's and St. Clement's*

1

2

*Acc etque vale* to two dying neighbourhoods, St. Ebbe's and St. Clement's; at least, the planners have had them both on the list for execution for years. Analysis has shown that more disease, drinking, quarrelling and vice takes place here than on the Housing Estates,



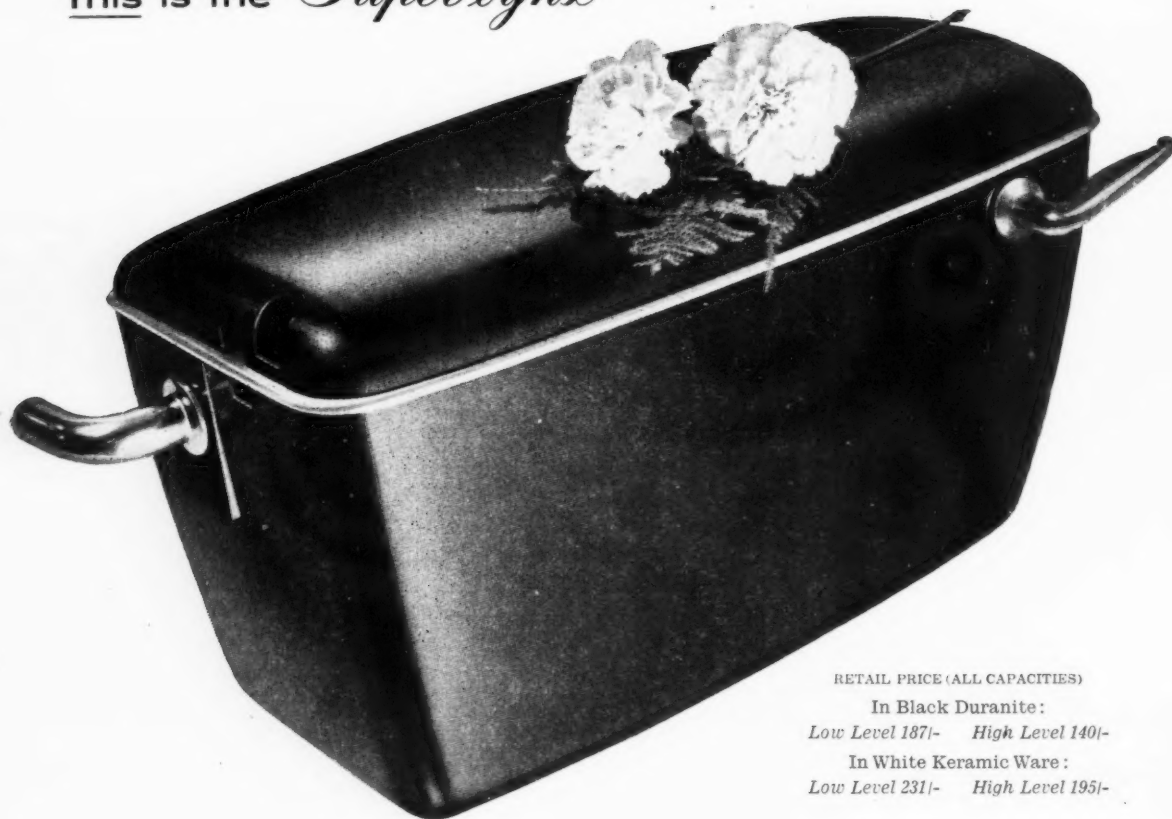
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and anyway the old streets, with their charming patterned brickwork and neighbourly atmosphere, are actually rotting away, and no one wants to repair them, so there it is. In the St. Ebbe's neighbourhood: 1, a cul-de-sac behind Paradise Square; 2, Friar's Street, with Tom Tower in the background, and 3, south-west corner of Paradise Square (Streets named Paradise and Elysium were always in the poor quarter of a town. 4, our farewell to Oxford, a lane off the north side of St. Clement's,



4

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S52



## Neighbouring Villages



1, the famous, richly carved Norman church of Ifley seen from Ifley lock. 2, St. Bartholomew's Chapel on the north side of the Cowley Road next to Oriel College cricket ground and opposite the Regal cinema, amid a little group of old houses. 3, in a pocket behind the south side of the main street of Old Headington village (north of the main London



road 2 miles from Carfax) are a few houses, a pub, and a Non-conformist chapel; communication is by pathway. 4, remains of Godstow abbey, on the road from Wolvercote (at the end of the Woodstock Road from Oxford) to Witham. 5, 6, Binsey, a short way west of the Isis, opposite Port Meadow; twenty minutes' walk from Walton Street.



## Farther away

*North:* Blenheim Palace, Woodstock (A 34); the *pièce de résistance* is the right-angled entrance to the park at the end of the village. Great Tew (B 4022), a 17th-century model village, golden stone and thatch; beside the church, the classical gateway (all that remains) of Lord Falkland's mansion. Hampton Gay (A 43), a burnt-out manor above a turn in the upper Cherwell, with a church in a field, surrounded by a ha-ha; the scene of a vintage railway disaster (1874). Water Eaton (A 423) a Jacobean stone manor-house, with twin lodges and chapel, isolated on the west bank of the Cherwell. Wood Eaton (B 4027) un-restored church.

*West:* South Leigh (A 40) painted church. Shorthampton (B 4437) a spooky, remote village on the north of the Wychwood forest, with a tiny un-restored church. All near the A 40: Minster Lovell, a great medieval manor-house (National Trust); Swinbrook, church containing the double-decker Fettiplace tombs; Widford, un-restored church in field, with Roman mosaic pavement revealed under chancel; Burford, the first true Cotswold market-town, on a steep declivity, with majestic houses. *South:* Abingdon (A 34), the finest early Georgian town hall in England and a galleried Tudor almshouse. Sutton Courtenay (B 4016): large medieval manorial ensemble.

Nearby, Little Whittenham, nestling under Sinodun Hill, with its Roman camp and famous Clumps. Dorchester (A 423) outsize parish church, once an abbey, containing a Jesse window; beautiful main street. Ewelme (B 4009): a great tomb of Duchess of Suffolk, Chaucer's grand-daughter, with grisly *memento mori* under it; model almshouses round a brick-paved cloister. *South-east and east:* Chislehampton (B 480): tiny church of c. 1760, with interior like a Wren City church in small. Wheatfield (off A 40): Jacobean church in field with furnishings like those at Chislehampton. Hartwell (A418): ruinous 18th-century Gothic church.

# HOPE'S

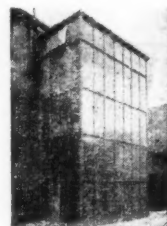
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## HOME TO ROOST

The Ministry of Housing and Local Government has made a commendable innovation by including a review of London Regional Planning in its report for 1956. It is sufficiently important, even if it is too short and too prone to skirt thorny problems, to justify fuller treatment in the JOURNAL later. Regional Planning without a Regional Planning Authority is, however, rather like a bus without a driver, and it is a bit hard to tell how far the results it records are the consequence of positive planning, and how far the fortuitous outcome of events beyond anybody's control. Some positive achievements there certainly are: the relative success of the green belt policy is one of them. But two things strike ASTRAGAL most forcibly at first reading. One is the Ministry's repeated lament that it lacks statistical information. There is "no comprehensive statistical evidence" to show whether more people are travelling into the conurbation to work, there is "insufficient evidence" to indicate what happens to housing or factories vacated as a result of planned decentralization, and any comparisons between the employment situation in 1948 and 1955 rest on "a somewhat insecure statistical basis." This is the direct result of short-sighted staff economies by which the Ministry deprived itself of the means of gathering

much of the basic raw material for planning.

The second is that, although the increase in population in Greater London has not increased to an alarming degree, Greater London continues to expand its employment more rapidly than the rest of the country.

Here the Plan seems to have broken down completely, for if all the offices for which planning approval has been given in Central London since the war are actually built they will accommodate nearly half the present number of office workers in Central London. This concentration of office workers (half a million travel daily from the suburbs to the centre) is rightly diagnosed as the cause of congestion. But it is a bit late in the day for those who released the flood of office building in the City and the West End now to talk about the need for offices to move away from the City to the suburbs. Isn't this closing the office door after the building speculators have bolted?

## BUILDING FOR AN UNCERTAIN FUTURE

A small exhibition was shown to the Press at the War Office recently. It was intended to illustrate the post-war progress made in "designing and providing accommodation for the British Army throughout the world," in the words of the official invitation. The architectural work shown was, by and large, disappointingly traditional in appearance, although some of the projects—and technical studies—showed that a more imaginative hand was now at work.

The disconcerting feature about the exhibition, however, was the fact that no information was available about the quantity of work achieved. It was stated that about £15m. a year is spent on new building, but the exhibition gave no impression of such a sizeable building programme. It was very evident, however, from statements made, that the Army's building programme is suffering not only from uncertainty about the Army's future but also from being the victim of endless government interference and changes of policy. Under such conditions no War Office architect can develop an economic and progressive building programme. The report of the special committee under Lord Weeks, set up to review and make recommendation

concerning Army building, is now being studied by Mr. Hare, the Secretary of State for War.

ASTRAGAL hopes that Mr. Hare will have the courage and good sense to publish the report in full, and speedily, because, judging from the membership of the committee, the report is bound to contain sound recommendations on administration, and suggestions on how a more progressive building programme can be achieved. And no doubt the committee's advice will be applicable to other armed forces and official bodies involved in a building programme.

## MODEL FILM

There can be no doubt that Dudley Shaw Ashton's new film about Coventry Cathedral is a *tour-de-force* technically and illusionistically—there are passages when one has to remind oneself forcibly that the camera is only scrutinizing a model and not a real building. This is particularly the case when the background is manifestly Coventry itself, and not a studio lash-up—the trick here was to take the model up on to the roof of the Leofric or the Owen Owen store, since there was too much builder's tat on the actual cathedral site to do it there.

But whether it does a good job on the cathedral as a work of architecture, or on Basil Spence as an architect, is something that people will still be arguing about in years to come. One can't help feeling that the impression it may make on the lay mind, bearing in mind its extended comparisons between Coventry and the masterpieces of the past and other countries, will be that the building is a bit of a pastiche.

It is a pity that a tape-recording of Basil Spence's remarks, before and after the British Council's recent showing of the film, can't be distributed with it. Particularly in reference to the changes he has made to the design since seeing the film—and they are pretty extensive—these colloquys set a standard of artistic honesty in self-criticism that was quite frightening.

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then few modern architects have the taste and discretion of R. D. Russell. So it is not surprising that the new restaurant and kitchen that he has designed for the Lygon Arms at Broadway—one of the most famous inns in England—is an unqualified success.

\*

The restaurant will serve as an overflow to the present one, and as a supper-room when dances are held. It has been contrived by throwing a number of small rooms that constituted the old kitchen block (built in 1911) into one, and opening it out into a courtyard through french windows. Russell (helped by his wife) has also designed a new kitchen, whose beautifully textured high stone wall forms one side of the courtyard.

\*

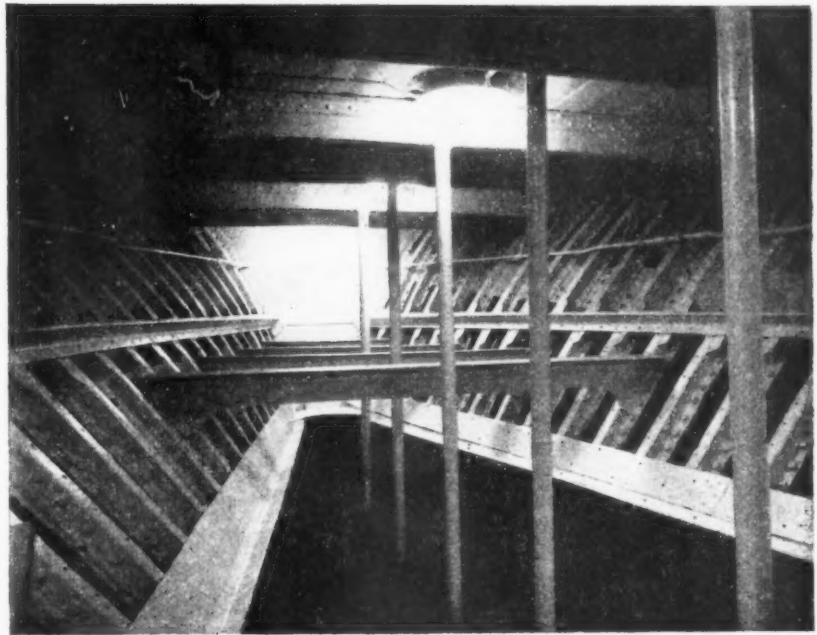
The new accommodation was inaugurated a few days ago by Sir Arthur Morse, chairman of the British Travel and Holidays Association, at a luncheon given in the new room—on a perfect summer day when the golden Cotswold villages were looking at their best. All three Russell brothers were present: R. D., the youngest, Sir Gordon (director of the COID and a member of the board of the Lygon Arms), and Donald, the eldest (chairman of the board). The room has been named the Russell Room after their father, the late S. B. Russell, who bought the Lygon Arms in 1904.

\*

The furniture was made by the other family business in Broadway, Gordon Russell Ltd., and it is a pleasure to see a new work that fits in so well with the old and yet is as unmistakably of its time as the main gabled front, built in 1580, the doorway added in 1620 and the great hall, added in 1909.

#### CUTTY SARK

In 1895, when sailing ships started to lose money in the competition with steam, *Cutty Sark's* owners sold her to the Portuguese. In 1922, Basil Lubbock, an authority on clipper ships, wrote "If we had not been a nation of shopkeepers there is little doubt but that the *Thermopylae* or *Cutty Sark* would still be flying the British flag, preserved by public subscription for the important part they played in the greatness of our Mercantile Marine." Well, now it's been done.



*This interior view of the Cutty Sark shows the lines and structure of the hull, mentioned by ASTRAGAL below.*

and on the whole extremely well, on a site at Greenwich (where the old Ship Inn used to be) presented by the LCC.

\*

Re-rigged as she was when built in 1869, and virtually unaltered below except for a modified hold to display a collection of figure-heads, nautical prints and other relics, *Cutty Sark* is now in a dry dock where you can go right down to keel level and see the hull shape of a vessel designed to sail fast with a minimum of hull resistance. Very different from the window boxes sharpened at both ends when weight-carrying came first. ASTRAGAL recommends readers to go fairly soon, before the hooligans start carving their initials all over everything.

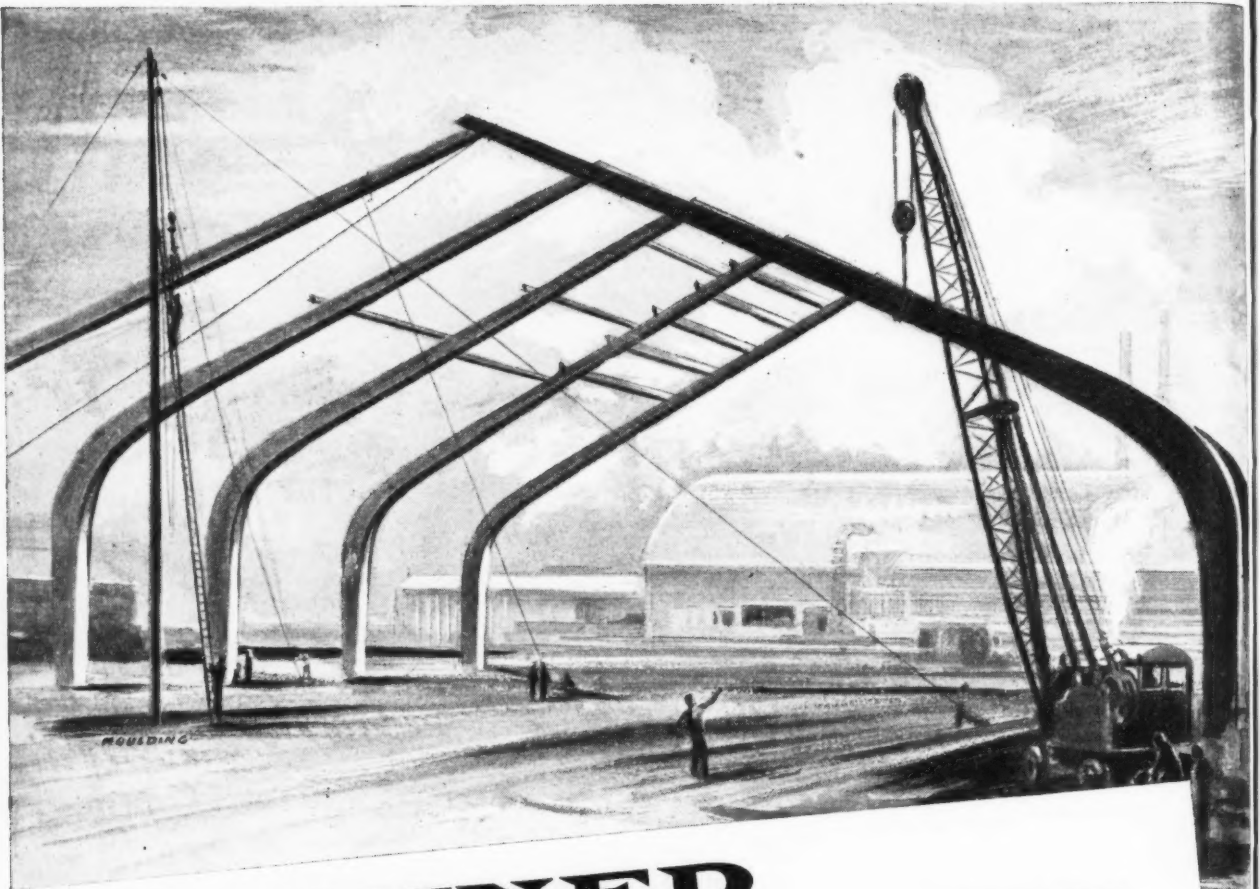
#### USING THE HOOTER

After the Hanoverians had opened up the Highlands the natives betrayed their Irish origin in the doggerel: "if you'd seen these roads before they were made, you'd lift up your hands and you'd bless General Wade," the point being, of course, that previously there were no roads at all. No doubt it is with the idea of inducing a similar shower of blessings on his head that the Minister of Transport, Harold Watkinson, has put on view a model of the London-Yorkshire motorway and an assortment of photographs of double carriageways and widened roads at a "Roads for Britain" exhibition last week. The fact that it is contained

in Charing Cross underground station suggests that there is not a tremendous amount to show, but by excluding all photographs which are typical of the actual roads that we use an illusory impression of great progress is achieved. Mr. Watkinson opened the show with a deafening blast on his own trumpet, blared that he was doing splendidly, hooted loudly at those who thought he should go faster, and made some nasty noises in the direction of the planners, taunting them with the fact that motorists could use the roads that exist, but could not travel on the planners' "pretty pictures."

\*

The model of the London-Yorkshire motorway prompts ASTRAGAL to ask whether it is not already out-of-date before it is made. Will two lanes of traffic in each direction really be adequate for national trunk highways that are (presumably) being designed with the requirements of 1977 or so in mind? And will they be signposted with the standard Ministry of Transport road signs which are so hard to read and so badly designed? A photograph in Mr. Watkinson's own exhibition shows the experimental Oxfordshire signs with white upper and lower case letters on a black background. As they give prominence to names and not to route numbers, use lower case letters, and eliminate the box rules, these signs are

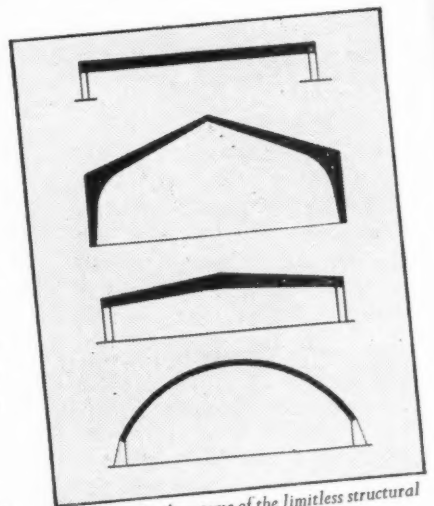


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both easier to read and better to look at. Mr. Watkinson's decision to order their removal is worthy of the Circumlocution Office.

#### FOR SHELTER FROM THE SUN

Summer migrants passing through London, and wondering what exhibitions to take in, should note the following manifestations for what they are variously worth. A must is the Ben Nicholson show at Gimpel's—the old Guggenheim prizeman at his suavest and architectural best, calm, gratifying and reassuring. Those who feel compelled to keep up with the roughnecks, but don't know where to start, should see *Post Picasso Paris* at the Hanover, which anthologises a fair sampling of knock-about painting and carve-up sculpture. Those who know this field already, and want to explore one of its gentler by-paths might do worse than take in the Wols show at the ICA—Wols, who died

almost before action-painting got going, managed to be all the things action-painting never was again, like exquisite, craftsmanly, genteel, and miniature. He seems cut out for a very lucrative posthumous success.

\*

And for those who don't care what they do, there are Klein's *Mono-chrome Propositions* at Gallery One, the celebrated hole in the wall in D'Arbly Street. This show would have been much better fun, and much more a kind of *Hurléments en Faveur de Quelquechose*, had all the propositions been the same colour and the same size; the back room, containing a half-dozen or so rectangles of identical semi-fluorescent blue pigment shows what might have been, but in the front room are propositions of different sizes, red, yellow and what have you, that take the edge off the joke.

#### ASTRAGAL



#### TPI GOLD MEDAL

##### *Lewis Mumford's Address*

Lewis Mumford raised the eyes of British town planners from their pre-occupation with the practical functions of the city to the task of creating a new kind of city altogether, one in which man could dominate the machine and rescue civilization from the perils that beset it, when he was presented with the Gold Medal of the Town Planning Institute in London last week. Mr. Mumford was sponsored by Sir William Holford, who said that for over 30 years the profession had been able to trust his constant and dependable standard of criticism, and by Prof. J. S. Allen. The presentation of the medal, "for outstanding achievement in the field of town and country planning" was made by the President of the TPI, Mr. M. J. Hellier.

Mr. Mumford expressed both his humility and his pride at being given such an honour when it was known that he had never planned so much as a sidewalk. After recalling those who had influenced his ideas, including Sir Patrick Abercrombie ("a man of very great stature") and Sir Raymond Unwin, he remarked on the curious fact that the people who influenced the thought

of the last generation had not been professional town-planners. The very assumption of a profession narrowed the scope of life, and so it happened that the fresh ideas and the new visions came from people like Patrick Geddes, Ebenezer Howard and in our generation from people like le Corbusier.

Planning during the last century had a clear goal, to remove disorder and replace it with order, to open up the slums so that people would not die from disease, dirt and darkness. "It was a clear goal," he said, "but it was not a sufficient one. It was a negative one." Now we must have goals to work for, and these positive goals for planning were lacking in most of the work that was being done, not merely in this country but all over the world. England was tremendously in advance in its conceptions of the new town, but before even the new towns could use to the full the resources of our civilization we needed to re-examine the functions and purposes of the city. We all had a tendency to reduce the functions of the city to physical terms—sanitation, clean water supply, the provision of utilities, and facilities for traffic. The city below the street level was the city that occupied most of the attention of the municipal engineer.

We were sacrificing not merely enormous quantities of money, but the very health and welfare of the city, to the promotion of the private motor car, producing arterial wastes and deserts with the final result that the city would have all the services necessary for cars but no one would wish to inhabit it. A city must be planned not merely in terms of its functions but in terms of its human purposes, and we were confronted by a world-wide fact, that with science and technique we had created a completely purposeless life. Up to now, in town planning as in technology, we were largely carrying out stone age ideas. We were in the condition of realizing the stone age dream of absolute command of time and space, of absolute power, of the ability to destroy whole cities at a single blow, at the moment when it had become hideous, absurd and absolutely dangerous to human life.

To redefine the city in terms of human purpose we needed a conception of human personality far advanced beyond that of the stone age. Man was capable of taking



*M. J. Hellier, President of the TPI, presents the Institute's Gold Medal to Mr. Mumford.*

command of the forces that now threatened to destroy him. To unite every part of the human personality, and project it into the environment had become the task of city and town planning in our age.

But, Mr. Mumford warned, our present civilization was deeply hostile to this new ideal. Those who are most competent to run our machines and develop our sciences were often, from the standpoint of human development, serious cripples, not merely crippled by their profession but crippled by their ideology. Mechanization dominated every aspect of our life, and mechanization meant the reduction of human choice and human freedom so that finally the human personality existed to serve the machine. For the last century the suburban ideal of the little family house with a garden all by itself in the midst of an idyllic Arcadia had gripped the people's imagination. It was a very human ideal, which had encouraged the idea that the ideal city was one in which every citizen had a big garden. "But" said Mr. Mumford with some emphasis "the city is more than a place where people can grow vegetables." That did not mean that the city became urban by removing the trees, paving over the grass areas and building high density buildings.

The choice between suburbia, which sacrificed almost everything to open spaces, and the vertical garden city which was just as inadequate, was a false one. For the viable city was equally part of a much greater regional area in which the functioning city would be the area as a whole, with a population of 500,000, a million, two million or more, with open spaces and the rural area as an integral part of the city. With the continuing rhythm of ebb and flow between these two parts of the city the old stone age division between the city man and the peasant would be absolutely unknown in future civilization.

"You have succeeded magnificently with your new towns," Mr. Mumford concluded. "Better on the whole than one can find in any other country in the world at this moment. And yet the real new town has still to come into existence, a real new town capable of creating a different kind of personality than the city succeeded in creating in the past, a personality that will have received to the full the benefits of all the historic heritage and the dynamic forces of our present age, and will in its integrity be capable of dominating the world of machines and rescuing our civilization now in danger."



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## LEWIS MUMFORD AND HIS WORK

*Arthur Ling suggests in this article that Lewis Mumford be invited to this country for six months or a year as a visiting professor to assess the planning situation here, and to assist our own re-examination of the basic philosophy of our planning activities.*

The distinguished American thinker, Lewis Mumford, was honoured last week by the award of the Town Planning Institute's Gold Medal. His contribution to planning is of a philosophical rather than a material character, relating to ideas and people rather than techniques and things, so that it has an intangible quality which defies a precise description. The greatest summary of his doctrine is his own—"organic humanism"—and this is the underlying theme of his great series which began in 1934 with *Technics and Civilisation*, was followed by *Culture of Cities* in 1938 and was completed during and after the war by a further two volumes—*The Condition of Man*, and *The Conduct of Life*.

Lewis Mumford is an American but, in the very real sense of the term, he is also a citizen of the world. He looks at life in its wholeness and in its historical setting. Not being immersed in the strident bustle of the daily round nor subjected to the pressures of economic and political realities which so often bedevil the proper solution of planning problems he can stand somewhat aloof, has time to think, and in a very gentle and friendly way makes us ask ourselves what are we doing and where are we going? For those of us who are pre-occupied with immediate things this is extraordinarily important. And whether or not we agree with what Mumford has to say, he is invariably stimulating.

### Organic humanism

The solid foundation of his life and thought has been a concern for human beings. It is also a broad foundation, for Mumford has a firm grasp of the fundamentals of history and a vast storehouse of knowledge from which to draw when he wishes to illustrate his argument or point a moral. The competence with which he marshals his facts combined with the music of a magnificent English prose give a special quality to his writings—emotional and intellectual. He is intrigued by Utopias (his first book, in 1922, was entitled *The Story of Utopias*) but appalled by their insipid character. In *The Condition of Man* he gives his view that "Real life, even under capitalism, real life with struggle, pain, disappointment, fellowship, hope, love, is better than Utopia. And Utopia to become real, must accept as an incentive to thought and act the dialectic rôle of evil. Good conditions provide for steady growth, for maturation; hence they must more widely prevail. But negative conditions cannot be glibly exorcised: the problem of evil is to reduce it to amounts that can be assimilated; for evil is like arsenic; a tonic in grains and a poison in ounces." The similarity between this statement and a recent speech of Mao Tse-tung is remarkable. Dismissing the critics of his policy of "a hundred flowers," or freedom of speech and debate, as "dogmatists" who were afraid of losing their monopolistic position he said that there need be no fear that the policy of a hundred flowers would yield poisoned fruit. "Sometimes it is necessary to have even this poisoned fruit to know what we are fighting against." The philosophy of organic humanism seems to be gaining ground.

His contribution to town and country planning must be seen against this broader philosophical background. He preaches region-

alism and condemns Megalopolis because he wishes to see created a proper environment for man, human in scale and allowing a decentralization of power, so that people can take an active part in local affairs. Mumford follows Kropotkin and Ebenezer Howard in their desire to secure humane standards of living, in their insistence that man should be master of the machine and not its servant. Overgrown cities demand expensive mechanical devices: London Transport is after all merely a device in which the most advanced techniques are employed. So is the motor car and I imagine that Mumford would equally condemn a disintegrated pattern of living which relied on an over-extended use of the motor car for its functioning. He stands for a balanced distribution and against intensive concentration or intensive scattering. But he is not against cities nor so obsessed by the idea of dispersal that he cannot bring his mind to bear on the problems of urban renewal. He sees the neighbourhood unit as the means of revitalizing cities; of bringing them to a human scale, and is not so much concerned with densities as with environment. In an article on Neighbourhood Units in the Town Planning Review for January 1954 he shows clearly that he is not tied down by figures. Speaking of the need for a mixture of social and economic classes within a neighbourhood, he expresses the view that this should have its correlate in a mixture of housing types and densities of occupation. "One of the best examples of the architectural advantages of such a mixture is in the Lansbury neighbourhood in London, which has a charm and variety, despite its 136 inhabitants per residential acre, that much more open schemes at a flat 48 to the acre often lack." Opinions on the architectural qualities of Lansbury may vary, but the main point here is Mumford's readiness to take an objective view of efforts to create a human environment free of prejudices about densities.

In this same article he discusses the problems of architectural treatment, "the height and scale of buildings, the relation of open spaces to occupied spaces, of exposure and enclosure." His views reveal a sympathy in outlook with those of us who are disturbed by the absence of urban character in so much of our post-war building. "There is much fresh thinking to be done, as a basis for design," he writes; "for in reaction against the congestion of the great city, our architects and planners now tend to sacrifice sociability and concentration to mere openness. In the effort to achieve roominess they have forgotten how, in urban terms, to create rooms, that is, public enclosures adapted to particular urban functions. In the neighbourhood, if anywhere, it is necessary to recover the sense of intimacy and innerness that has been disrupted by the increased scale of the city and the speed of transportation. Here the cul-de-sac, the court, even the cloister, have to be rethought by the modern architect in new terms, and recaptured in original designs, adapted to our present needs."

### The City's vitality

In his review of the County of London Plan\*, Mumford praised its policy of re-establishing within the London agglomeration the sturdy communities from which the city developed, but condemned its proposal

\* One of the essays in *City Development* 1946.

to maintain the population of London. This review was made before the publication of the Greater London Plan and in my view was not based on a full appreciation of the extent of population reduction proposed. There was no timidity about the replanning of the East End with only half its pre-war population. Mumford's concern is that cities should reproduce themselves and pre-war statistics showed that many of them were consumers of men, sucking people in from the surrounding countryside and failing to maintain their numbers by natural increase. So far as London is concerned, the post-war bulge in the birth rate has proved to be no temporary phenomenon. This city is capable of reproducing its numbers and is doing so. Also we have seen that it is not a further movement of population out of the central areas that is required, but a cessation of further suburban extensions and a drastic decentralization of employment on a scale that will give room not only to house the natural increase in population but also to encourage new residential life at the centre, where at present slums exist or vast office blocks are being built which, by providing more employment, lead to a further demand for suburban extensions and a greater reliance on the travel-to-work device. Just as Mumford admits that events in Madrid, twenty years ago, and in London during the blitz, proved that the urban proletariat had not become degenerate to the extent feared by prophets of doom such as Spengler, so, I think, there is now an increasing realisation that the city is not the decadent institution that some of the advocates for dispersal would have us believe. Maladministration and an economic system which allows the city to be treated as a culminating point of exploitation, whether it be in land, buildings or of people can produce megalopolis and even necropolis but this does not invalidate the city as a flourishing institution if the administrative and economic defects are removed. Leo Grebler in his survey of post-war reconstruction in Europe, was impressed by a renewed faith in the vitality of the city: the destruction of so many centres of population might have been the opportunity for dispersal but such a policy has proved to be artificial, lacking in popular or philosophical support. The award to Lewis Mumford comes very nearly at the tenth anniversary of the passing of the Town and Country Planning Act, 1947. A period which began with high hopes but has ended with serious doubts as to whether our planning legislation, which in its original form was the envy of the world, is not now so undermined, emasculated and frustrated that we have once again to consider the basic philosophy of our planning activities. It is at such moments that the friendly advice of Lewis Mumford can be of immense help. He will tell us, no doubt, that we shall not "reach heaven without going through purgatory" and will refuse to provide "salvation in six easy lessons," but his diagnosis will be penetrating. Unfortunately his visits to this country have been all too rare and hurried. Could he not be invited by one of our Universities to fill a post of Visiting Professor of Humanities for six months or a year so that he could give, as he already has done, at Stamford University, some basic courses in the nature of man and the function of the humanities? This would give him, at the same time an opportunity to assess the planning situation in this country in a more precise way than is possible from a distance and then, perhaps, in sessional papers at the Town Planning Institute and the RIBA (for we must not forget that he was elected an Honorary Associate in 1932) we could hear what he has to say. We can be sure that wherever his eye may rove in his wide ranging quest for an insight into the processes of society he will be equally trenchant in his criticism where he perceives a failure to comprehend the basic human requirements of any environment, whether it be in London, Chicago or Chandigarh.

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## BALCONIES: FLATS IN MILAN

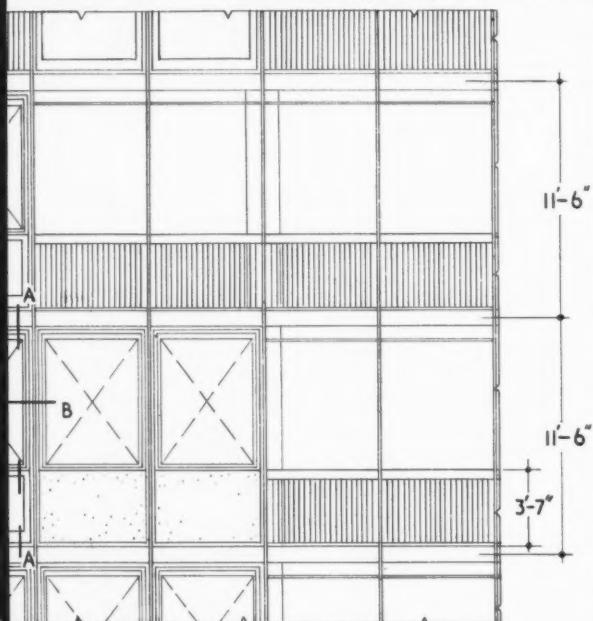
Vito Latis, architect (material supplied by R. K. Dewhirst)



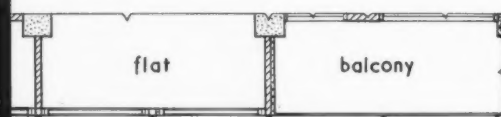
*This facade shows an interesting version of what might reasonably be called a "discontinuous curtain." The subframe is complete (i.e., from the fourth storey upwards) and is represented by the rolled steel sections which run up proud of the balcony fronts, but only certain of the bays thus formed are enclosed with screens. Among points of interest are the use of a steel flat with two steel angles welded to it to receive the ends of the clay block partitions and the inclusion of Venetian blinds in windows below sill level. All windows are double-glazed. The exposed steelwork is painted black, the opaque panels on the forward face and the balcony soffits are painted yellow ochre and the panels at the back of the balcony are painted purple and grey.*

BALCONIES: FLATS IN MILAN

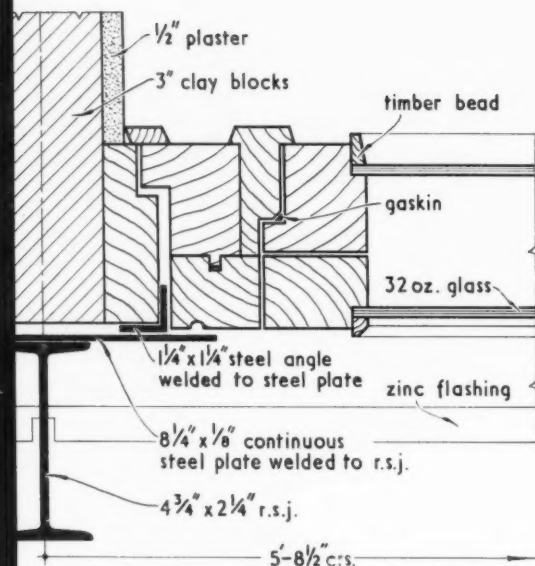
Vito Latis, architect (material supplied by R. K. Dewhurst)



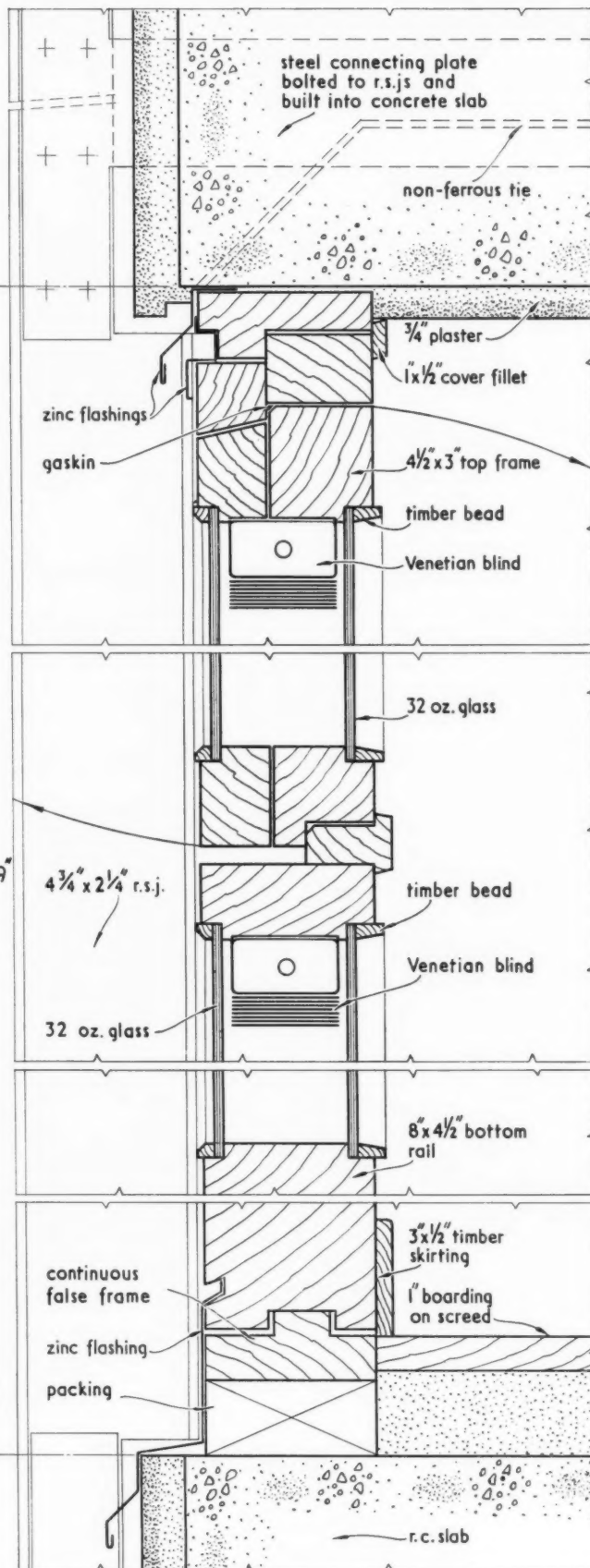
ELEVATION . scale  $\frac{1}{8}'' = 1'-0''$



PLAN . scale  $\frac{1}{8}'' = 1'-0''$



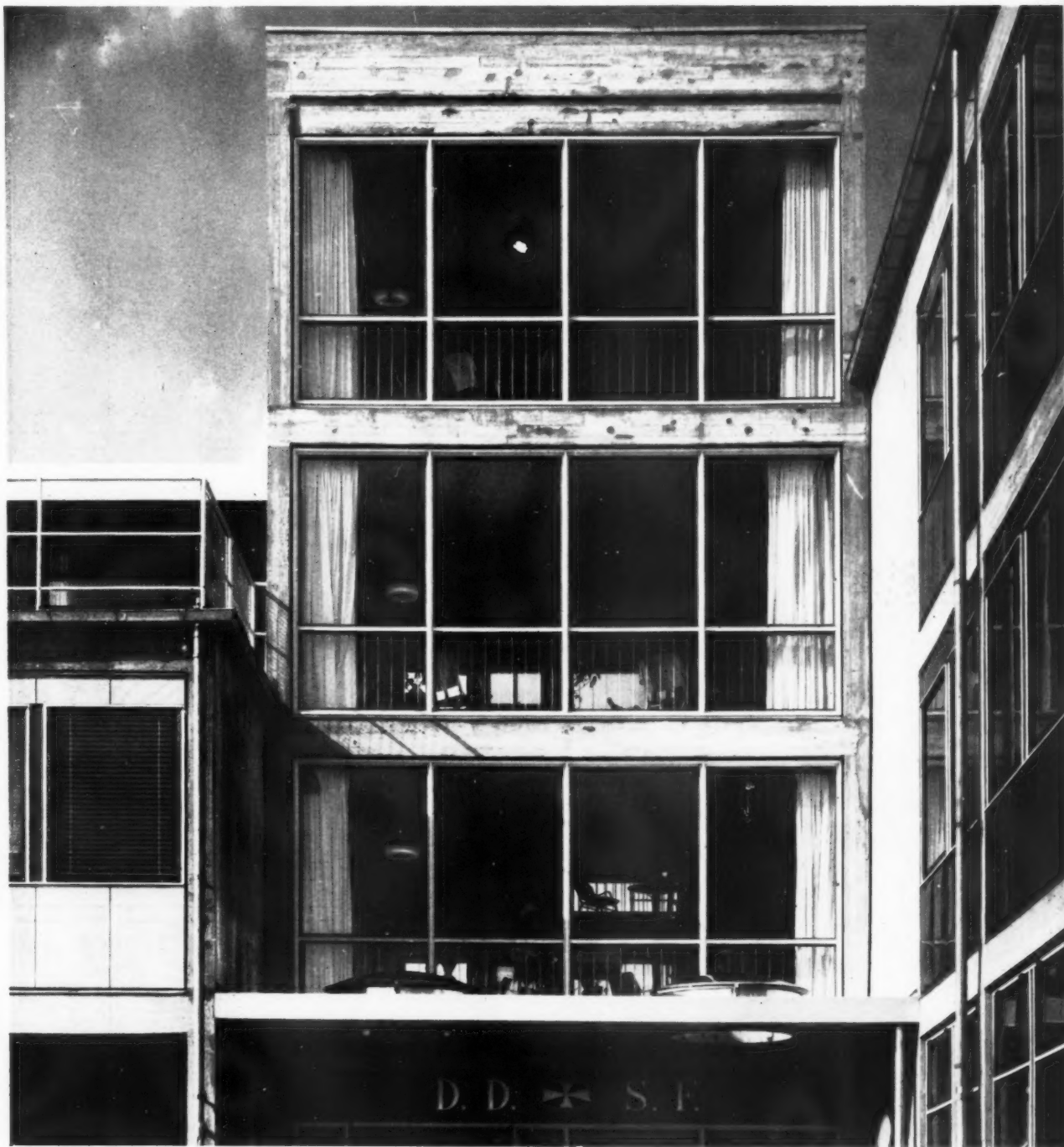
PLAN AT B . scale  $\frac{1}{4}$  full size



SECTION A-A . scale  $\frac{1}{4}$  full size

note: figured dimensions in feet and inches are approximate

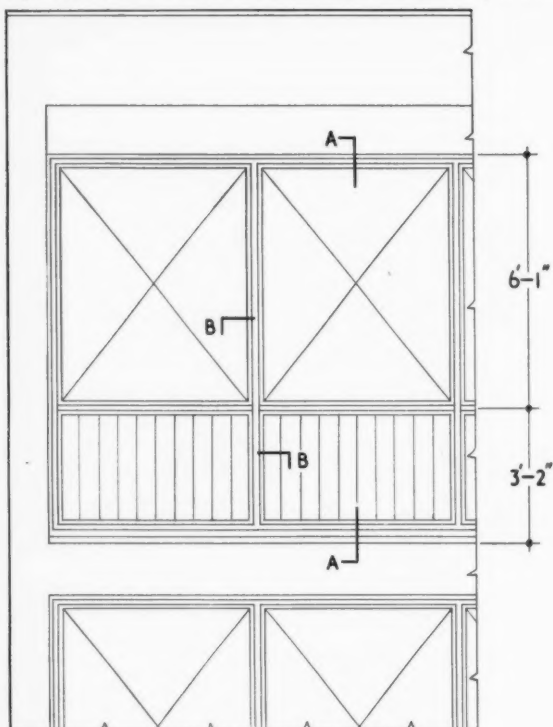
WINDOWS: OFFICES AT AMAGER, DENMARK

*Alf. Cock-Clausen and Preben Hansen, architects (material supplied by M. G. Andrews)*

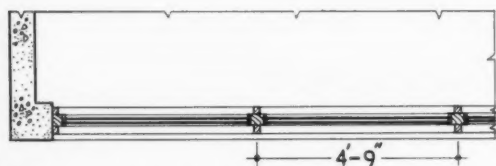
*This is a good double-glazed timber window detail with built-up mullion, head and sill sections of a type which is more usual on the Continent than in this country. Note also the use of a dark-coloured cover strip round the edge of the outside frame to reduce the apparent thickness, and the provision of inward-opening steel-frame lights to permit easy cleaning. As these are almost wholly accommodated behind planted beads which are little thicker than those on the fixed lights, they add little to the total thickness of the visible sections.*

WINDOWS: OFFICES AT AMAGER, DENMARK

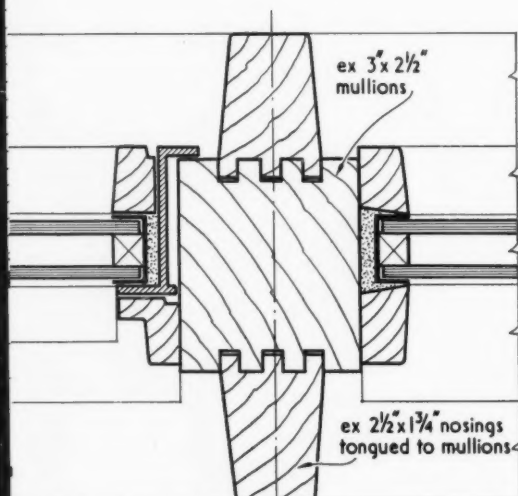
Alf. Cock-Clausen and Preben Hansen, architects (material supplied by M. G. Andrews)



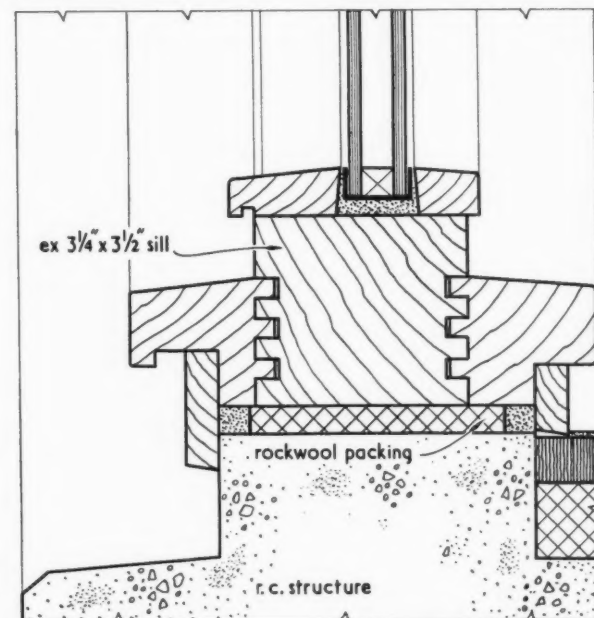
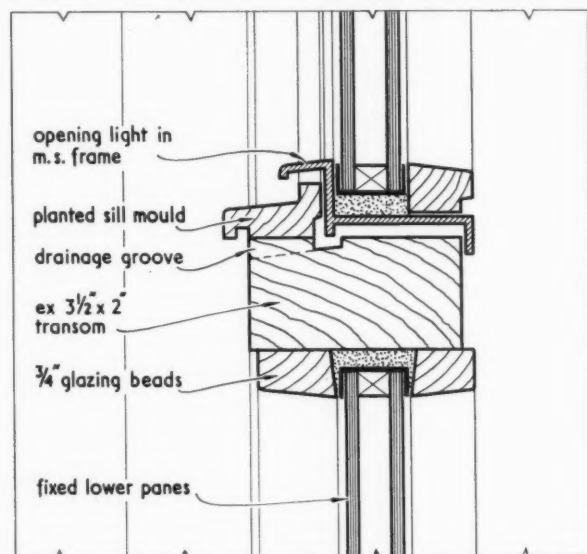
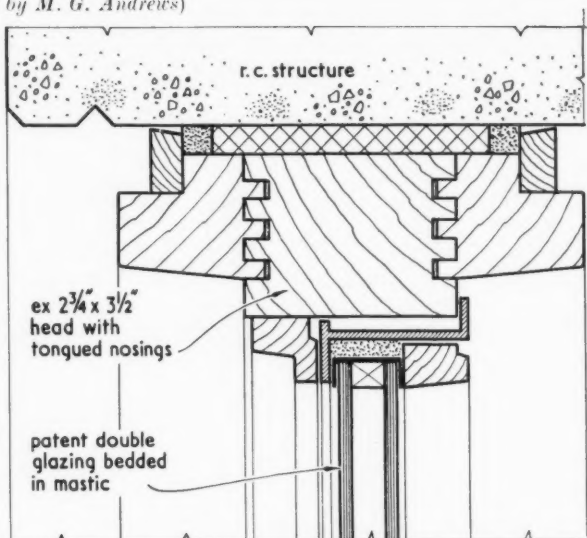
ELEVATION. scale  $\frac{1}{4}'' = 1'-0''$



PLAN. scale  $\frac{1}{4}'' = 1'-0''$



PLAN AT B-B. scale  $\frac{3}{8}$  full size



SECTION A-A.

note: figured dimensions in feet and inches are approximate







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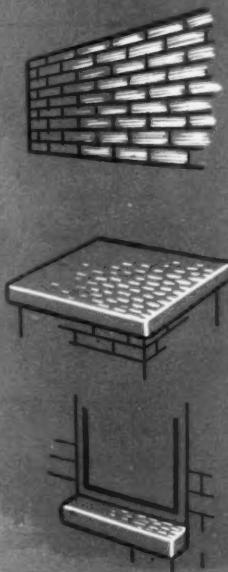
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News continued from page 41

## RIBA

### Council Appointments

The following representatives of the RIBA were appointed by the Council at its meeting on June 18: Ministry of Works National Consultative Council of the Building and Civil Engineering Industries (for three years), Michael Waterhouse and E. D. Jefferiss Mathews; Council for the Preservation of Rural England, Peter F. Sheppard; Jury to consider Bronze Medal award in Malaya, G. E. Magnay; Professional Classes Aid Council, Digby L. Solomon; Sheffield University Court, J. Lewis Womersley; National House-Builders' Registration Council, A. W. Kenyon; National Clean Air (Smoke Abatement) Society annual conference, R. Duncan Scott; Institute of Materials Handling, co-ordinating committee on dissemination of knowledge of materials in relation to techniques, E. D. Jefferiss Mathews; Southend-on-Sea Borough advisory committee, A. S. Belcham; BSI Technical Committee on mortar plasticisers, E. H. Heaven; BSI drafting committee on proposed code of practice on precautions against fire, Eric L. Bird.

### A Reminder

The closing date for the return of the questionnaires sent to all RIBA members on conditions of employment has been extended to July 15 and all who have not yet returned the questionnaires are asked to do so.

### Sold Out

We understand that there have been so many applications for tickets for the RIBA Ball at Blenheim Palace that no more applications can be considered.

## AA

### Tropical Architecture

Applications are invited from post-graduate students of architecture and qualified architects with interests in building in the tropics for the next six-month full-time course in Tropical Architecture, from October 7, 1957, to March 28, 1958, at the Architectural Association School of Architecture.

The fee for the course is £100. Studentships for the amounts shown have been donated by the following firms: The Yorkshire Copper Works Ltd., 2 studentships each of £50; John Laing & Son, 2 studentships each of £50; Crittalls Ltd., 1 studentship of £50; International Paints Ltd., 1 studentship of £40.

Applicants for studentships should apply by letter to the Principal, 36, Bedford Square, W.C.1, before Friday, July 26, 1957.

## NFBTE

### Higher Prices for Fixed-Price Contracts?

A broad hint that building employers will increase prices for fixed-price contracts is contained in the half-yearly report of the

National Federation of Building Trade Employers. The report discloses that the NFBTE has expressed the gravest doubts to the Minister of Works about the timing of his decision to return to fixed-price tendering, and doubts also whether local authorities or private architects can comply, or intend to comply, with the pre-condition that the work should be thoroughly planned in advance. The introduction of fixed-price contracting in the middle of a cycle of substantial wage increases in both the service and supply industries, which are bound to be reflected in the prices of materials, must, it says, "cause the prudent contractor to price his tenders with the utmost conservatism."

The NFBTE also reminds building owners that where a fixed price is given contractors will be obliged to insist upon a strict adherence to the terms of the contract, particularly in the matters of the early provision of further drawings, the prompt nomination of sub-contractors and suppliers, the issue of Architects' Instructions involving variations, and the issue and payment of certificates. As a guide to contractors the NFBTE also publishes a list of increases in the price of building materials in the 12 months ended April, 1957, observing also that coal prices are going up, that cement is expected to go up by not less than 3s. a ton, and that the price stabilization undertakings entered into by a number of manufacturers are now running out.

Earlier warnings by the NFBTE about the danger of a serious falling off in building work when the present backlog has been worked off are repeated in this report. While building activity is high in most industrial areas, many smaller firms are meeting increasing resistance to high building costs, and there is a shortage of work in many rural areas. The Joint Consulta-



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tive Committee of architects, quantity surveyors and builders, which has been considering the effects of the credit squeeze, has expressed the opinion that the time has come when the government needs to take some action to ensure that an even and balanced flow of building work is maintained, and that at least plans could be got ready to the working drawing stage so that work can be put in hand when restrictions are lifted.

## COMPETITION

### Auschwitz Memorial

A competition for the erection of a memorial on the site of the Auschwitz-Birkenau concentration camp, Poland, organized by the International Auschwitz Committee, is open to all artists and architects. It is anonymous, and in two stages. The closing date for the first stage is March 15, 1958. Projects are to be sent to the Auschwitz Museum (International Competition), Oswiecim, Poland. The Jury of Assessors includes two architects appointed by the International Union of Architects, G. Perugini and J. B. Bakema. Two representatives have been appointed by the International Association of Art Critics and two by the International Association of Plastic Arts, one of whom is Mr. Henry Moore. The winner will be charged with the execution of the projects, or will receive a premium of 500,000 French francs. Conditions can be obtained on payment of £1 to be credited to Creditanstalt, Bankverein, Wien, on application to the Secretariat of the International Auschwitz Committee, Weigandhof, 5,

Vienna, Austria. The closing date for applications is September 1, 1957. Questions regarding the interpretation of the conditions can be addressed before December 1, 1957, to the IUA, 15, Quai Malaquais, Paris, 6.

## Announcements

### PROFESSIONAL

Oliver Evans Palmer, A.A.DIPL., A.R.I.B.A., F.R.S.A., has moved to The Old House, London Road, Horsham, Sussex (telephone Horsham 3092/2622).

William C. Inman & Partners, of 7, New Square, Lincoln's Inn, W.C.2., chartered quantity surveyors, have changed their telephone number to Chancery 9152-5.

T. P. Bennett & Son (Sir Thomas Bennett, K.B.E., F.R.I.B.A., P. H. P. Bennett, F.R.I.B.A., M. L. Winslade, F.R.I.B.A., W. B. Galloway, A.R.I.B.A., G. W. Bowes, A.R.I.B.A.) have taken Michael Metcalfe, A.R.I.B.A., and W. Howard Sant, A.R.I.B.A., into partnership and continue to practice as T. P. Bennett & Son at 43, Bloomsbury Square, London, W.C.1.

Graham Law, M.A., A.R.I.B.A., and James Dunbar-Smith, B.A., A.R.I.B.A., have gone into partnership and have opened an office at 54, Frederick Street, Edinburgh, 2.

Bernard Lamb, A.R.I.B.A., has moved to 57, Beauchamp Place, S.W.3 (telephone Knightsbridge 0697).

Raglan Squire & Partners announce that they are continuing to retain the consultancy services of William Whitfield, DIPL. ARCH., DIPL.T.P. (DIST) DUNELM, A.R.I.B.A., A.M.T.P.L., of the firm Kadleigh & Whitfield.

## TRADE

Redland Tiles Ltd., announce that their new Sales office will operate from Castle Gate, Castlefield Road, Reigate, Surrey (telephone Reigate 4781).

Troughton & Young (Lighting) Ltd. have rebuilt their Stores Building at Wansdown Place, Fulham Road, S.W.6. Their Stores and Administrative Departments have moved to that address but their Design Department, Lighting Engineers and Publicity will remain at "The Lighting Centre," 143, Knightsbridge, S.W.1 (telephone Kensington 3444).

In the AJ for May 9, on page 700, it was stated that D. H. Lanham of Uxbridge had received an honourable mention by Professor R. Gardner-Medwin in the Paisley Technical College Competition. This should have been attributed to E. A. Barber, of Barking, as well as Mr. Lanham.

## Acknowledgments

OXFORD GUIDE: The following pictures are reproduced by courtesy of Mr. Henry Minn: page 3, 3; page 12, 3. The following photographs were taken by W. J. Toomey: pages 6-7, 1, 2, 4; page 8, 7; page 9, 1, 2, 3; page 10, 1; page 11, 6, 9; page 12, 9; page 13, 4-6; page 14, 10; page 15, 12, 13; page 17, 4, 6, 8; page 18, 2, 1 (bottom); page 19, 3, 4; page 22, 1, 2; page 23, 3, 4; page 24, 1, 3, 5; page 25, 7, 10, 11; page 26, 2, 4; page 29, 1, 2; page 30, 4; page 31, Cathedral, 3, 5; page 32, 1, 3; page 36, top pair and bottom right; page 37, 2. By Dell and Wainwright: page 7, 1; page 12, 1; page 16, 1, 2 (top); page 22, 5. By Diana Rowntree: page 34 (bottom); page 37, 6. By Helmut Gernsheim: page 26, 5. The remainder were taken by Christopher Hurst.

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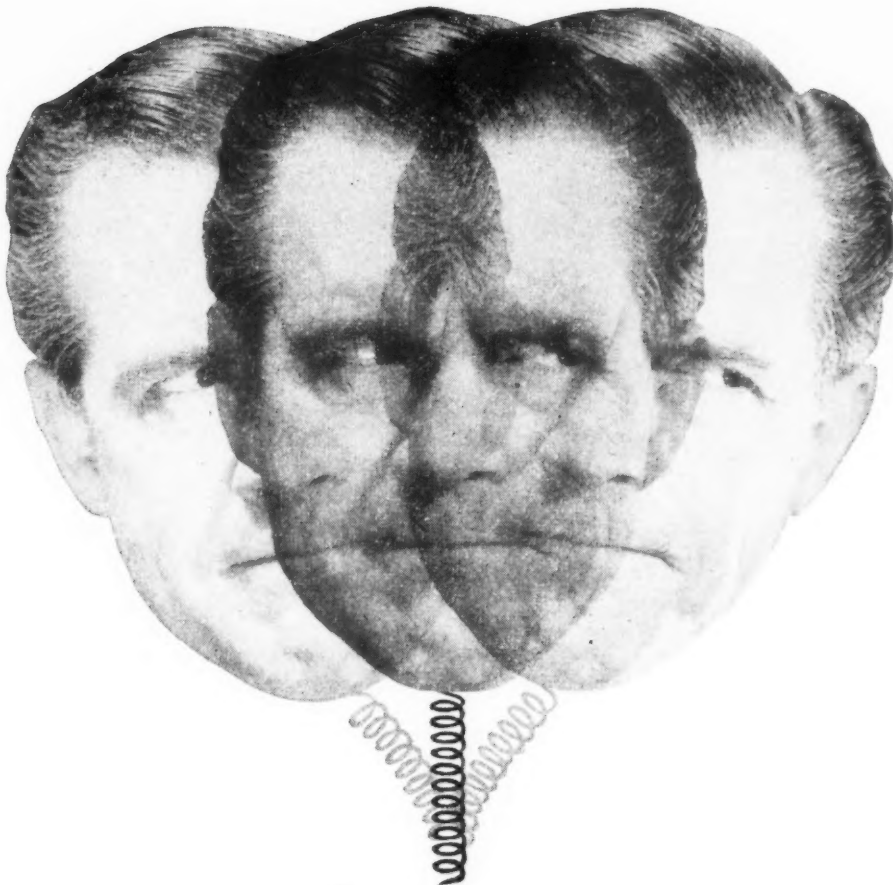
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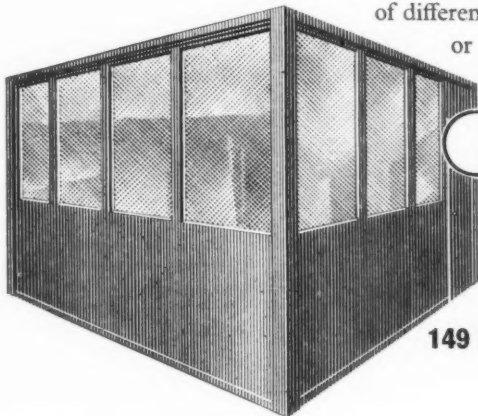
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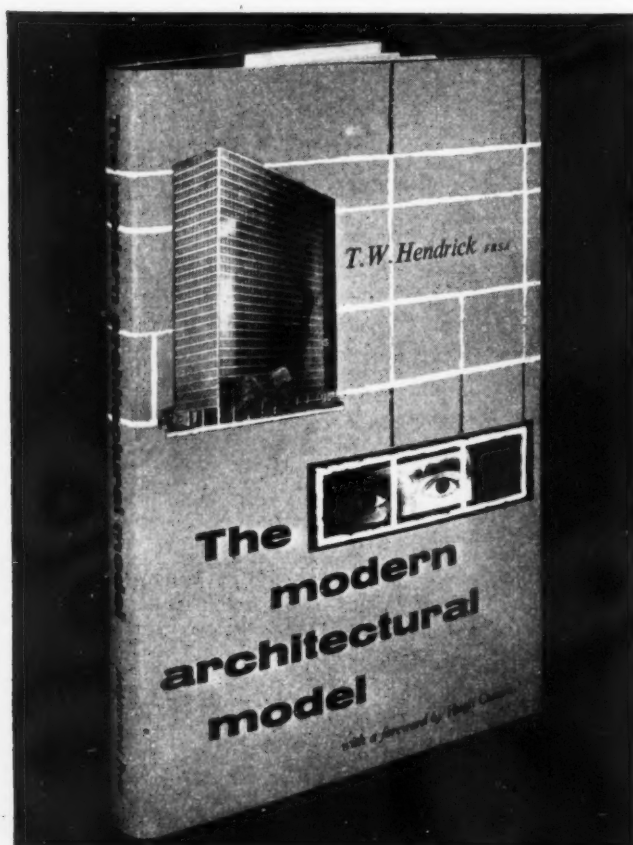
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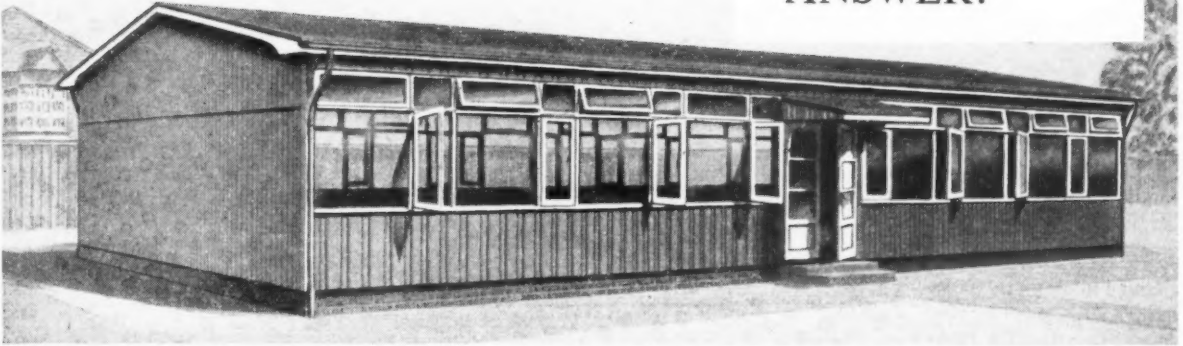
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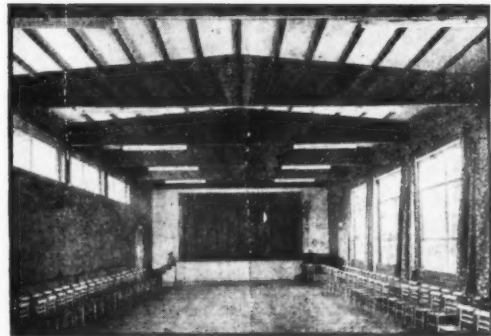
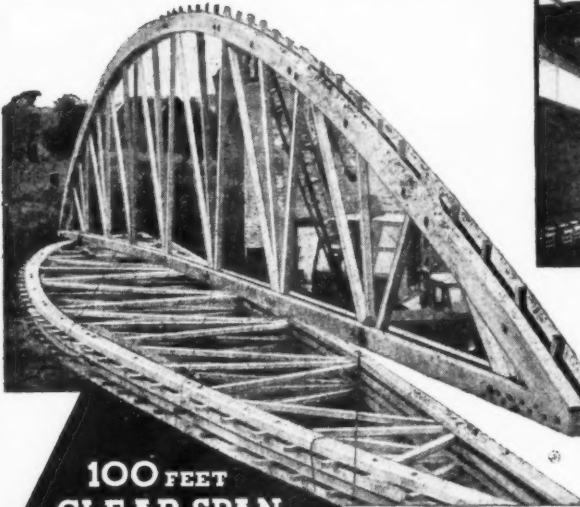
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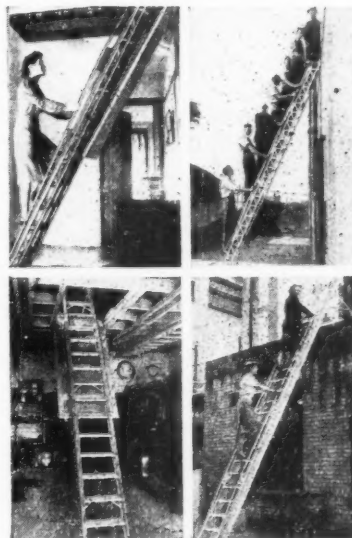
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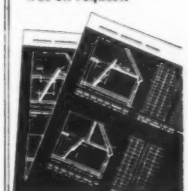
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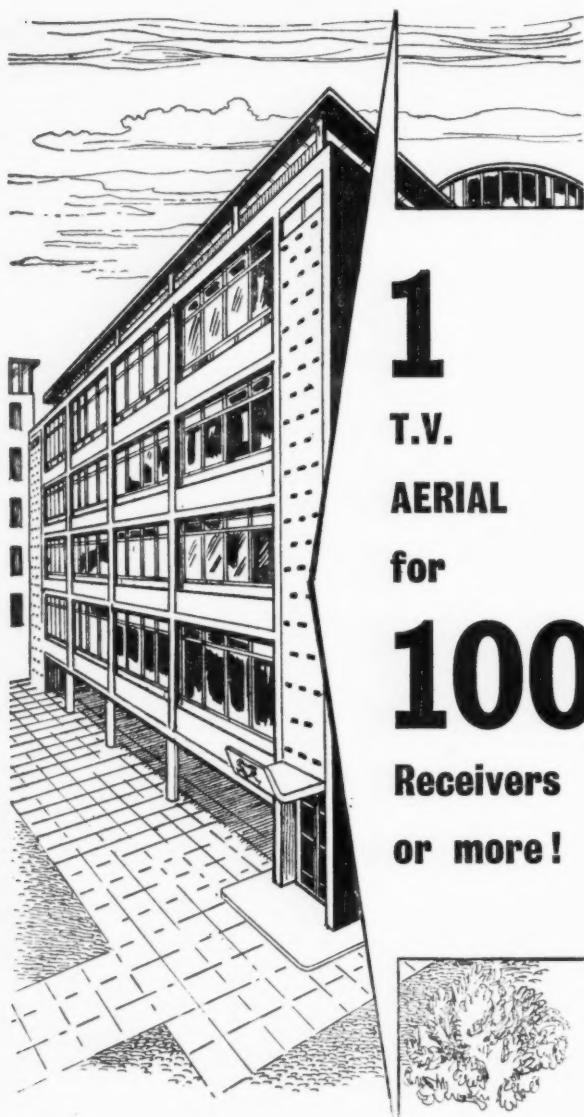
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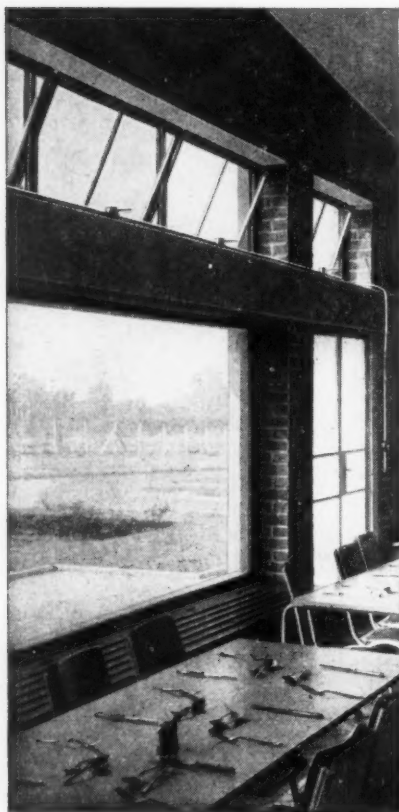


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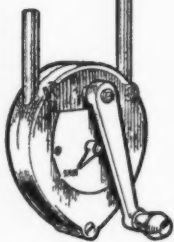
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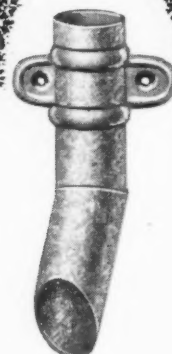
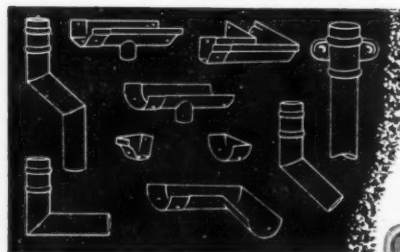
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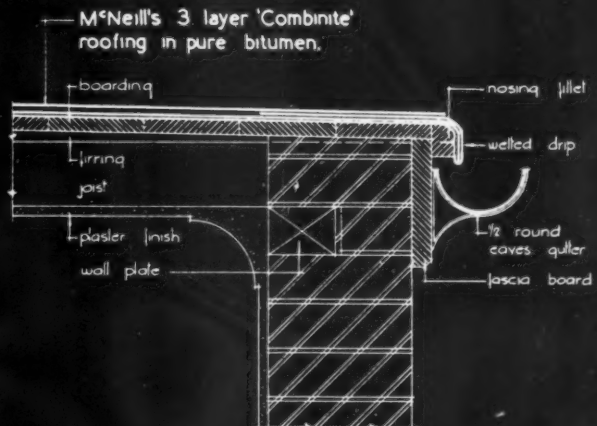
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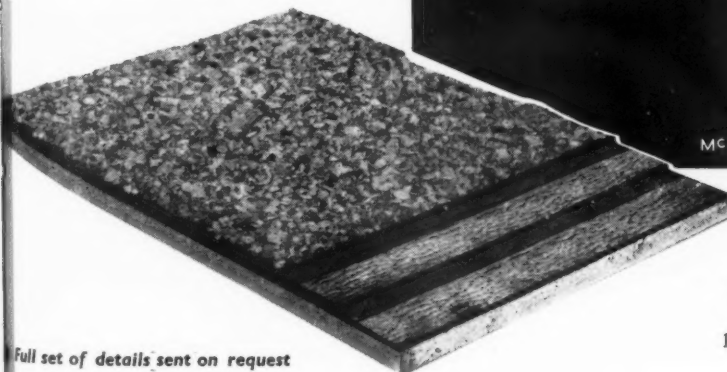


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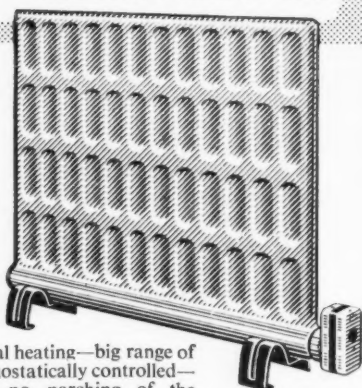


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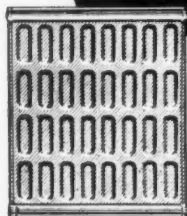


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THE 041

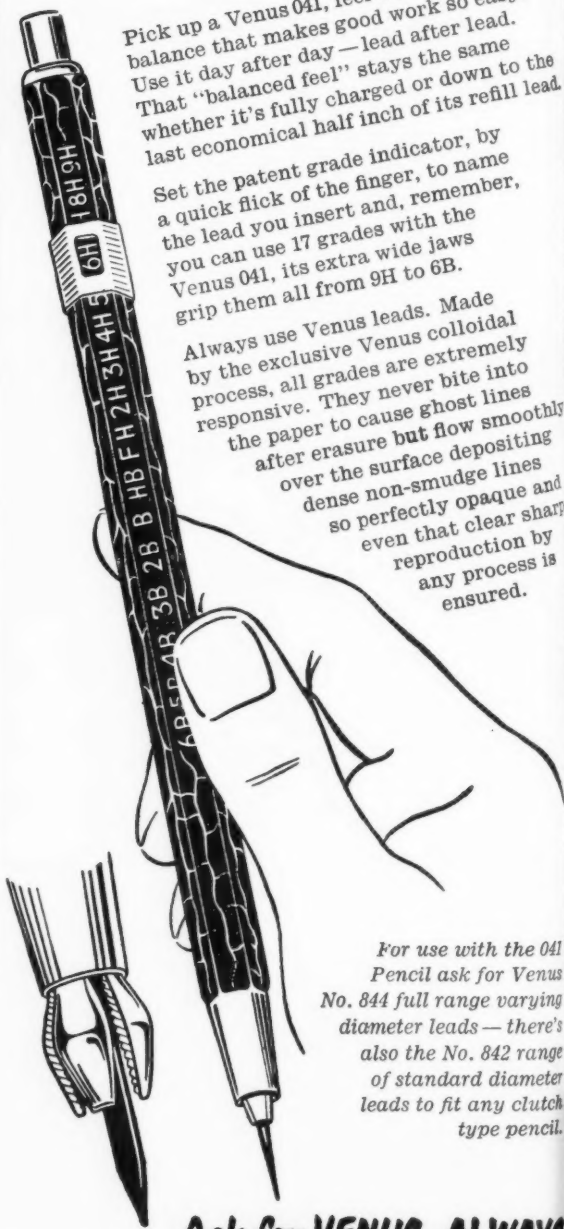
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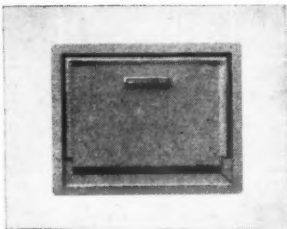
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## SLIDING DOOR GEAR ESTATE FOR THE HOUSE



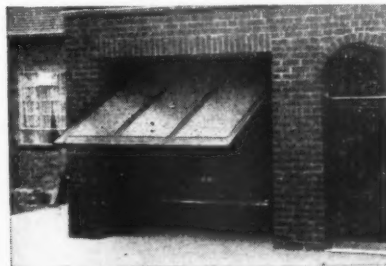
The illustration on left shows yet another example of ELLARD "Estate" Sliding Door Gear in the modern dwelling-house. See how simple it is to convert a spacious room to one of cosy and intimate atmosphere. Elegant appearance, ease of operation and long service are the main selling features of this attractive ELLARD Door Gear. The obvious choice for both council estates and private houses is ELLARD Door Gear.

## FOR THE RADIAL GARAGE

The illustration on right shows ELLARD "Radial" Sliding Door fitted to a private garage. Valuable working space is offered at the entrance to the garage. ELLARD Door Gear provides easy access to and from the garage by a personal entry door. ELLARD "Radial" Sliding Door is low in price and gives long service without maintenance. This gear is also suitable for the larger openings of commercial and industrial garages.



## OVERDOR FOR THE GARAGE



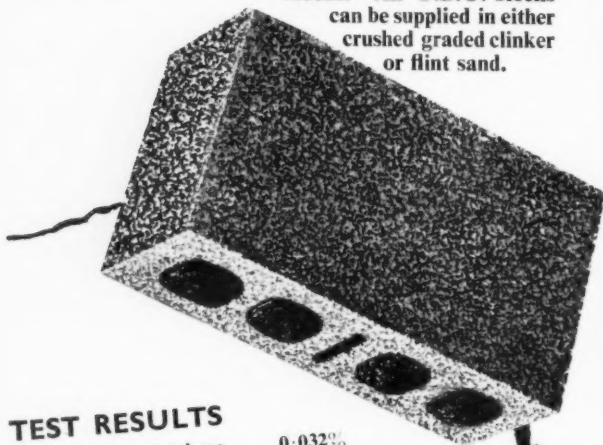
ELLARD "Overdor" Gear, illustrated on left, represents the best method of operating an overhead-type door, and it requires the minimum space, fixing time and maintenance. An entirely clear threshold is achieved, and both side walls are available for windows and shelves. ELLARD "Overdor" Gear is designed for doors from 6ft. to 7ft. 3in. high and up to 200 lbs. in weight. The door is safely balanced and can be opened and closed with ease.

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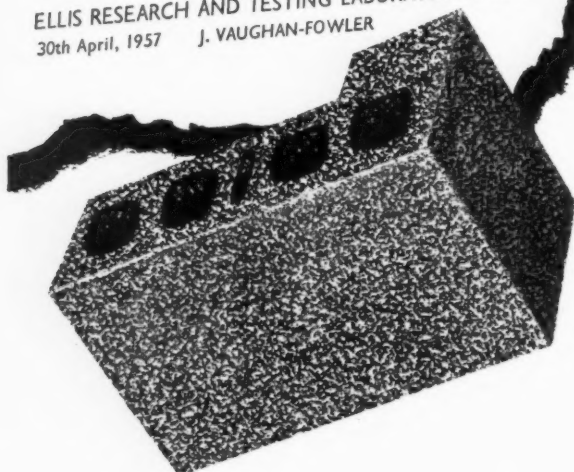
## TEST RESULTS

Average drying shrinkage 0.032%  
Note: Maximum average drying shrinkage requirements for type 'B' blocks 0.06%  
Average moisture movement 0.028%  
Note: Maximum average moisture movement requirements for type 'B' blocks 0.05%

## CONCLUSION

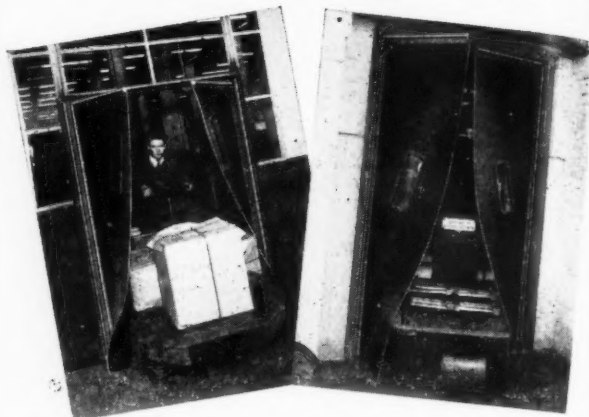
The 6.18" x 9" x 4 1/2" hollow clinker blocks meet the specified requirements of B.S. 2028: 1953, as type 'B' blocks, in respect of drying shrinkage and moisture movement.

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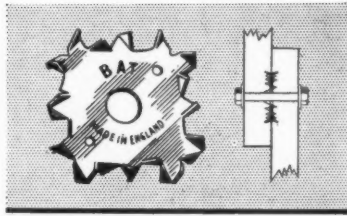
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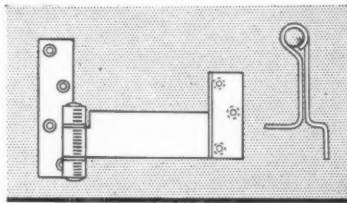
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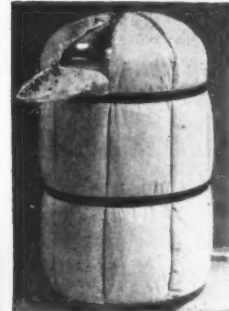
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Page size 8½ x 5½ inches, 274 pages, 43 photographs, 59 line drawings illustrating 169 objects. 35s. net.

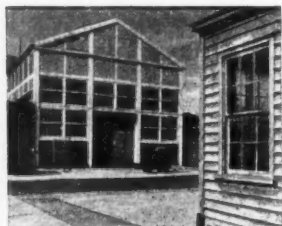
Published by **G. BELL & SONS LTD., LONDON**



## Early Industrial

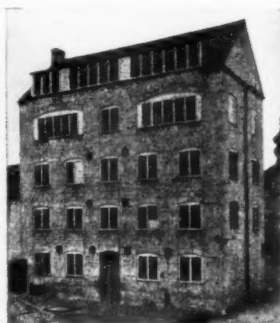
### July Architectural Review

Mills, docks and harbours, warehouses, fences and gates, railways and canals—all bear witness to the theme of July's special issue of the Review, *The Functional Tradition*, compiled and edited by J. M. Richards. In our present need to consolidate the results of the technical revolution that has overwhelmed architecture in this century, we need the discipline of an unconscious vernacular, a simple way of doing things



Sheerness Naval Dockyard: cast iron frame extension, 1858.

simply, and we have no better guide for this than the monuments of the functional tradition that dot the country from end to end, even in the most remote and rural areas. The tradition is not limited to any material—with its wooden water-mills, its brick warehouses, its iron framed naval boatsheds, its stonework by canal and railway—it had the adaptability we admire in the great masters of today, fitting together material, function and form, but into an unselfconscious unity. Most architects know of the great tradition's existence, have seen one or two textbook examples illustrated, have discovered one or two favourites of their own, but in *The Functional Tradition* they will find for the first time a systematic analysis of the nature and value of the tradition, supported by the results of an extended photographic campaign by Eric de Maré, which has rescued many unknown and forgotten buildings from undeserved obscurity.

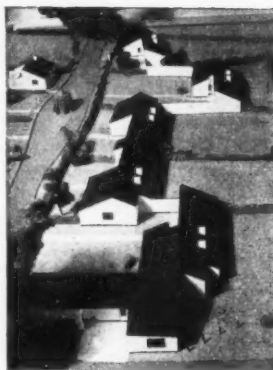


Bentley's piano factory, Nailsworth near Stroud.

### Draught-Stoppers Hotels Advertising

#### August Architectural Review

The year-round English draught makes *Weather-stripping* a subject of perennial interest and in the August issue of the Review, Peter Whiteley will make a study of the products available for remedial work on both doors and windows, as well as the kind of preventive design that is better than even the best of cures. Two hotels of outstanding interest will be described and illustrated; the *Malmesbury*, by Wallander and Varhelyi in Stockholm, and Louis Erdi's *Coachhotel*.



Model of a village at Rushbrooke, Suffolk, by R. Llewelyn Davies and John Weeks, to be illustrated with photographs of pilot houses.

A creative and broadminded approach to a vexed question, outdoor publicity, will be outlined in the new proposals for *Advertising in Stevenage*, and the social and architectural problems of building new *Urban Nuclei* in rural areas will be considered in an article by Hilda Selem on recent re-settlements in Italy, and a study of Richard Llewelyn Davies' and John Weeks' rebuilding programme for *Rushbrooke* in Suffolk. Historical features in this issue will cover the early romantic days at the Weimar *Bauhaus*, whose expressionist and religious fervours are recalled by Helmut von Erffa; a sheaf of notes on out-of-the-way aspects of Italian architecture, and a study of Bernardo Bellotto's four magnificent views of the mysterious *Wilanow Palace* outside Warsaw, now on view at the Whitechapel Gallery. In *Skill*, the *Interior of the Month* will be the new offices for the Orient Line, and in *Design Review*, John Blake will survey recent developments in wallpapers and furnishing fabrics.

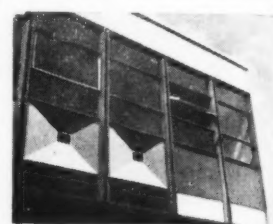
### Curtain Walls Roman and Gothic Shepton Mallet

#### September

##### Architectural Review

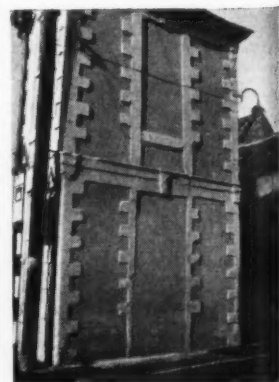
A major feature of the Review's *Machine Made America* issue, and rapidly becoming a dominant topic in discussions of the economics, techniques and aesthetics of building today, *Curtain Walling* will bulk large in the September number of the Review. Michael Brawne will contribute a full scale study of the potentialities and perils, scope, materials and

methods of this fully industrialised means of clothing buildings, while in *Skill* there will be a supplement on some of the products and systems that are available on the British Market. Also in *Skill* will be new Jaeger shop *Interiors* by Dennis Lennon, as well as *Design Review* and other regular departments. Aspects of the diversity of English nineteenth-century architecture are covered by Hugh Honour's account of the improbable *Roman Church at Everingham*, in Yorkshire, whose decorators were a suitably incongruous combination of Yorkshire and Rome, and a narrative of the building



Curtain Walling detail of the new BEA terminal now under construction off Cromwell Road, Kensington.

activities at *Strawberry Hill* of Frances Waldegrave, recounted from original sources by Osbert Wyndham Hewett, author of a recent full-dress biography of Lady Waldegrave. September *Townscape* features will deal with *Shepton Mallet*, whose multi-level town-centre will be discussed by Gordon Cullen, and *Hampstead Garden Suburb*, source of so much good and so much evil in English planning, whose status after a half-century of existence will be evaluated by Ian Nairn. And, as usual, the *Counter-Attack Bureau* will give the latest battle-bulletins on the continuing fight against Subtopian blight.



House in the pedestrian area of Shepton Mallet.

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

## Public and Official Announcements

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### LONDON COUNTY COUNCIL ARCHITECT'S DEPARTMENT

Selections for appointment are now being made from students at architectural schools who will take their final examinations this summer. Starting salary up to £676. Vacancies also for ARCHITECTS of experience at starting salaries up to £1,036. Full programme of houses, flats, schools and many other interesting buildings.

Application forms and full particulars from the Architect (Ref. AR/EX24/572), The County Hall, S.E.1. (1955) 6290

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Applications, stating age, education, training, qualifications, experience, present and past appointments and salaries, together with the names of two referees, must reach the undersigned by Tuesday, 9th July, 1957.

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General Manager.

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Applications, including the names of two referees and declaring any relationship between the applicant and any member or senior Officer of the Council, are to be received by me not later than Wednesday, 10th July, 1957.

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(Signed) B. FREEMAN,

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Town Hall, Ossett. 6735

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ONE ELECTRICAL ENGINEERING ASSISTANT Grade A.P.T. III, £656—£784 2s. 6d. Should be capable of preparing drawings in connection with Electrical Installations in Schools. Higher National Certificate required. In special circumstances consideration will be given to starting salary not more than two steps up the grade.

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Applications giving age, qualifications, experience, present salary, and the names of at least two persons to whom reference can be made to be sent not later than 22nd July to the County Architect, County Offices, Lincoln. 6773

### WORKING URBAN DISTRICT COUNCIL APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT

Applications are invited for the appointment of Senior Architectural Assistant in the Architectural Section of the Engineer and Surveyor's Department, at a salary in accordance with A.P.T. Grade III (£656+£25—£784). Applicants should be Students of the R.I.B.A. and have had good general experience.

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

Forms of Application to be obtained from and returned to Mr. H. P. Tame, A.M.I.C.E., M.T.P.I., Registered Architect, Engineer and Surveyor, Council Offices, Woking, not later than 10th July, 1957.

M. SHAWCROSS,

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17th June, 1957.

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#### ARCHITECTURAL ASSISTANT

Applications invited for established post of Architectural Assistant, A.P.T. IV (£758-£938 per annum).

Applicants should preferably have passed Parts I and II of the R.I.B.A. final or special final examination or their equivalent at one of the recognised schools of architecture, and should have had at least five years' experience, including training.

Application forms obtainable from Borough Engineer, Surveyor and Architect must reach me by Monday, 29th July, 1957.

R. H. JERMAN,

Town Clerk.

Municipal Buildings, Wandsworth, S.W.18. 6833

### NORTH EASTERN GAS BOARD

#### INDUSTRIAL DEVELOPMENT CENTRE—BRADFORD

#### INDUSTRIAL ASSISTANT (HEATING AND VENTILATING)

Applications are invited for the above position at a salary within Grade A.P.T. 10 (Provincial A.V.) (£660—£960 per annum) of the Salary Scales agreed by the National Joint Council for Gas Staffs.

The candidate should be a qualified heating and ventilating engineer with ability to design ducted warm air systems. A sound knowledge of the constructional requirements of buildings in which such systems are installed and an ability to plan and progress installation work with builders and architects are essential.

The successful applicant will be required to pass a medical examination and to join the Board's Staff Pension Scheme.

Applications, giving details of experience and qualifications should be sent to the undersigned not later than 22nd July, 1957.

J. C. GARDNER,

Secretary.

Bridge Street, Leeds, 2. 6771

### METROPOLITAN BOROUGH OF SHOREDITCH

#### ARCHITECT'S DEPARTMENT

Applications are invited for ARCHITECTURAL ASSISTANTS on the following grades:—

A.P.T. III £686—£814 p.a.

A.P.T. IV £757—£937 p.a.

A.P.T. V £844—£1,024 p.a.

Subject to medical examination, Council's Superannuation Scheme and N.J.C. Conditions. Applications giving full particulars of age, training, qualifications and experience, together with the names of two referees to Borough Architect, Town Hall, Old Street, E.C.1. 6618

### WEST SUSSEX COUNTY COUNCIL

Applications are invited for the under-mentioned appointment:—

#### TECHNICAL ASSISTANT (Architectural)

In the County Planning Department, County Hall, Chichester. Salary A.P.T. Grade III (£656—£784 2s. 6d.). Applicants expected to hold at least Intermediate R.I.B.A.

Application forms and conditions of service may be obtained from Mr. John C. Jefferson, County Planning Officer, County Hall, Chichester, to whom applications should be returned by Monday, the 15th July, 1957. 6619

### CITY OF SHEFFIELD CITY ENGINEER & SURVEYOR'S DEPARTMENT

#### SENIOR PLANNING ASSISTANT

#### GRADE A.P.T. V.

Applications are invited for the position of Senior Planning Assistant, Grade A.P.T. V (£814/17/6d.—£994/5/0d.) on the Staff of the City Engineer and Surveyor and Town Planning Officer (H. Foster, M.I.C.E., M.I.Mun.E.).

Qualifications: A.M.T.P.I., A.R.I.B.A. or A.R.I.C.S. If housing accommodation is required, a flat will be made available.

Superannuable post, N.J.C. conditions of service, medical examination.

Applications, stating age, education and training, qualifications, experience, present and past appointments (with dates and salaries), and quoting the names of two referees, should be submitted to the undersigned by the 15th July, 1957.

JOHN HEYS,

Town Clerk.

Town Hall, Sheffield, 1. 6832

### NEW SOUTH WALES

#### AUSTRALIA

Permanent appointments in the New South Wales Government Service are available to:

#### ARCHITECTS AND ARCHITECTURAL DRAUGHTSMEN

Salary: From £1,065 per annum to £1,485 per annum. Commencing rates according to qualifications and experience—promotion positions carry salaries up to £2,200 and beyond.

Qualifications: University degree or Technical College Diploma in Architecture or equivalent qualifications.

Location: Sydney or country district offices in New South Wales.

Experience required: Architectural design and or the supervision of construction projects such as hospitals, schools and other public buildings. Experience in the writing of specifications.

Fares to Sydney: Appointee's contribution to fare is £10 sterling per adult.

Application form and further information may be obtained from the New South Wales Government Offices, 56, Strand, London, W.C.2. 6775

### UNIVERSITY COLLEGE OF SWANSEA

#### WORKS AND BUILDINGS OFFICER

Applications for the above appointment are invited from persons with suitable professional qualifications and at least five years' post-qualification experience. The salary scale is £900 to £1,650 per annum together with child allowances and membership of the F.S.S.U. Commencing salary will be in accordance with the successful candidate's experience and qualifications.

Experience in the design, supervision of construction and maintenance of large scale educational buildings is highly desirable. Site planning experience of comprehensive layouts will be an advantage. Further particulars may be obtained from the undersigned. The last date for receipt of applications is 18th July, 1957.

JOHN MCINTYRE,

Registrar.

University College of Swansea, Singleton Park, Swansea, Glam. 6831

### AYCLIFFE DEVELOPMENT CORPORATION

#### APPOINTMENT OF ASSISTANT QUANTITY SURVEYOR

(Grade A.P.T. VI, £902—£1,107 p.a.)

Applications are invited for the appointment of Assistant Quantity Surveyor in the Quantity Surveying Section of the Chief Architect's Department at a salary in accordance with Grade A.P.T. VI of the Whitley Council for New Towns Staff Scale of Salaries, i.e. £902 p.a. to £1,107 p.a. Applicants should be Associate Members of the R.I.C.S. or approaching that standard. They must be capable of taking off quantities, preparing bills of quantities, completing measurements and preparing final accounts.

Appointment subject to N.J.C. Conditions, superannuation and medical examination.

Housing accommodation if necessary. Applications, stating age, qualifications and experience, together with the names of two referees to arrive not later than Wednesday, the 10th July, 1957.

A. V. WILLIAMS,

General Manager.

Newton Aycliffe, Co. Durham. 6610

### CITY OF WORCESTER

#### APPOINTMENT OF SENIOR ASSISTANT ARCHITECT

Applications are invited for this appointment within A.P.T. Grade V (salary £814—£994 per annum).

Candidates should be Registered Architects and Associate Members of the R.I.B.A. and should have had experience in housing and general municipal work.

Housing accommodation will be offered to the successful candidate if necessary. The appointment is superannuable and subject to a medical examination.

Applications with the names of two referees and stating age, qualifications and experience are to be delivered to the City Engineer & Surveyor, 22, Bridge Street, Worcester, by 17th July, 1957.

BERTRAM WEBSTER,

Town Clerk.

Guilhall, Worcester. 6608

**CARDIFF RURAL DISTRICT COUNCIL  
APPOINTMENT OF ASSISTANT  
ARCHITECTURAL**

Applications are invited for the above appointment of Architectural Assistant at a salary in accordance with Grade A.P.T. V of the National Scheme of Conditions of Service, £214 17s. 6d.—£294 5s. per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and have had experience in architectural work usually undertaken by Local Authorities.

The appointment will be subject to the Local Government Superannuation Acts and to the passing of a medical examination, and be terminable by one month's notice on either side. Consideration will be given if necessary to the provision of housing accommodation.

Applications stating age, qualifications and experience together with the names and addresses of two referees should be sent to the undersigned not later than Saturday the 20th July, 1957.

S. P. YOUNG, DUNN,  
Engineer and Surveyor.

Park House,  
20, Park Place,  
Cardiff.  
4th July, 1957.

6820

**GOVERNMENT OF MAURITIUS  
ARCHITECT, GOVERNMENT ARCHITECT'S  
DEPARTMENT**

To be in charge of a Section in the Architectural Department and responsible for the preparation of sketch designs, working drawings, specifications for and supervision of building works.

Contract appointment. Salary up to £1,407 p.a., including cost of living allowance, for suitably qualified candidates. Gratuity of £37 10s. to £50 for each completed three months of service. Free passages for officer, wife and children, not exceeding five persons in all. Generous home leave. Low income tax.

Candidates must be A.R.I.B.A. Previous experience in hospital design essential and experience covering educational, public and domestic buildings an advantage.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving briefly age, qualifications and experience, quoting BCD 112/52/02.

6817

**COUNTY BOROUGH OF ST. HELENS**

Applications are invited for the following appointments on the permanent establishment of the Borough Engineer's Department:

- (a) One ARCHITECTURAL ASSISTANT, A.P.T. Grade III (£656—£784 2s. 6d. per annum).
- (b) Two ARCHITECTURAL ASSISTANTS, A.P.T. Grade II (£609 17s. 6d.—£691 17s. 6d. per annum).

The commencing salaries of the persons appointed will be fixed within the grades according to qualifications and experience.

The appointments will be terminable by one month's notice and will be subject to the Local Government Superannuation Acts, medical examination and N.J.C. Service Conditions.

Applications stating age, qualifications, present and past appointments and details of experience together with two recent testimonials must be forwarded to the undersigned not later than Monday, the 22nd July, 1957.

Applicants must reveal relationship to any member or senior officer of the Council. Canvassing will disqualify.

M. WARD, M.I.Mun.E., M.T.P.I.,  
Borough Engineer.

Town Hall,  
St. Helens.

6815

**HERTFORDSHIRE COUNTY PLANNING  
DEPARTMENT**

PLANNING ASSISTANT A.P.T. Second-IV (£707—£907 p.a.), required for work upon town centre schemes. Must be A.M.T.P.I. An architectural qualification or experience in design would be an advantage.

Forms of application from The County Planning Officer, County Hall, Hertford, to be returned by the 19th July, 1957.

6772

ARCHITECT PLANNER required as Area Planning Officer for Sudbury Area, West Suffolk County Council. Salary £814 to £994 according to experience. Post pensionable; call allowance. Apply County Planning Officer, Shire Hall, Bury St. Edmunds.

6779

**DERBYSHIRE COUNTY COUNCIL**

There is a vacancy for an ARCHITECTURAL MODEL MAKER in the County Planning Department. Applications are invited for this position and preference will be given to candidates who are also capable draughtsmen. Salary £609 17s. 6d.—£691 17s. 6d.

Applications with full particulars and two references should reach the County Planning Officer, 8A, Bold Lane, Derby, by July 11th, 1957.

6780

**NATIONAL COAL BOARD  
NORTH WESTERN DIVISION**

Applications are invited for the following posts in the Divisional Architect's Branch:

QUANTITY SURVEYOR'S ASSISTANTS GRADE II (two). Applicants should have experience in a Quantity Surveyor's office and be capable of working up dimensions, abstracting, checking accounts, and taking site measurements under supervision.

Salary according to qualifications and experience within the scale £520 to £615 per annum. Applications giving full details of age, education, qualifications, experience and present post and salary to the Divisional Chief Staff Officer,

40 Portland Street, Manchester 1, to be received not later than the 20th July, 1957.

6774

**OXFORDSHIRE COUNTY COUNCIL  
COUNTY ARCHITECT'S DEPARTMENT**

Applications are invited from ASSISTANTS anxious to participate in interesting and responsible work on substantial new projects, principally schools, making full use of contemporary methods and materials.

The appointments offered are:—

- (i) Within the salary range of £727 15s. to £994 5s.
- (ii) Within the salary range of £609 17s. 6d. to £691 17s. 6d.

Applicants for appointment (i) must have passed the R.I.B.A. Final Examination or have equivalent practical and professional experience, (ii) must have passed their Intermediate R.I.B.A. Examination.

Applications, accompanied by the names of two referees and one recent testimonial, must give particulars of qualifications, education, experience, age and other particulars, and must be returned to the County Architect, Park End Street Offices, Oxford, not later than Friday, the 12th July, 1957.

GERALD GALE BURKITT,  
Clerk of the Council.

County Hall, Oxford.

6783

**HEMEL HEMPSTEAD DEVELOPMENT  
CORPORATION**

Applications invited for SENIOR ARCHITECTS:—

Vacancy No. 66. Salary scale £815—£994 p.a.

Vacancy No. 67. Salary scale £902—£1,107 p.a.

Applicants must be A.R.I.B.A. and have good experience in the design and execution of large scale housing schemes, town centre development or industrial development. Starting salary according to qualifications and experience.

Conditions of service similar to those in Local Government. Housing accommodation available.

Applications, endorsed with appropriate vacancy number, giving age, education, qualifications and experience and names of two referees, should reach General Manager, Westbrook Hay, Hemel Hempstead, by 12th July, 1957.

6782

AIR MINISTRY require workers-up in Quantities Division London, must be fully experienced and competent to work-up entire bills of quantities. Preference holders C. & G. (Quantities), O.N.C., or equivalent technical qualification. Salary range £660 at age 25 to £980 starting pay dependent on age, qualifications and experience. Pensionable and promotion prospects. Five-day week. Over three weeks leave a year. Applicants normally should be natural born British subjects. Write, stating age, qualifications and previous appointments including type of work done to P.E.104 Manager P. E. Register, Ministry of Labour and National Service, 1-6, Tavistock Square, London, W.C.1. No original testimonials should be sent. Only candidates selected for interview will be advised.

6781

**COUNTY BOROUGH OF SOUTHEND-ON-SEA  
EDUCATION COMMITTEE  
MUNICIPAL COLLEGE**

Principal: T. L. Morgan, M.Sc., A.M.I.C.E.,  
A.M.I.Stuct.E.

Applications are invited for the post of LECTURER in the School of Architecture. The salary will be in accordance with the Burnham Technical Scale for Lecturers, viz. for men £1,200 to £300—£1,350; for women £960 to £124—£1,080. Further particulars and forms of application may be obtained from the undersigned (stamped addressed foolscap envelope).

Completed forms should be returned to the Principal, Municipal College, Victoria Circus, Southend-on-Sea within fourteen days of the appearance of this advertisement.

D. B. BARTLETT,  
Chief Education Officer.

Education Office,  
Warrior Square,  
Southend-on-Sea.

6778

**COUNTY BOROUGH OF DERBY  
BOROUGH ARCHITECT'S DEPARTMENT**

(1) JUNIOR ASSISTANT ARCHITECTS.

- (a) A.P.T. Grade III, £656—£784 per annum
- (b) A.P.T. Grade II, £609—£691 per annum.
- (c) A.P.T. Grade I, £540—£625 per annum
- (d) Higher General Division, £184—£512 per annum

(2) SENIOR QUANTITY SURVEYOR, A.P.T. Grade IV/V—£727—£994 per annum.

Commencing salary according to qualifications and experience.

Permanent superannuable appointments, subject to one month's notice and to medical examination. National Conditions of Service.

Applicants must state for which post they are applying.

Application forms obtainable from and to be returned to the Borough Architect, The Council House, Corporation Street, Derby, not later than Monday, 15th July, 1957.

G. H. EMLY JONES,  
Town Clerk.

20th June, 1957

6777

**THE UNIVERSITY OF MANCHESTER**

Applications are invited for the post of LECTURER IN ARCHITECTURE from candidates with professional membership of the Royal Institute of British Architects and not less than three years of practical experience. Salary on a scale from £900 to £1,650 per annum, initial salary according to qualifications and experience. Membership of the F.S.S.U. and Children's Allowance Scheme. Applications should be sent not later than August 2nd, 1957, to the Registrar, the University, Manchester 13, from whom further particulars and forms of application may be obtained.

6776

**COUNTY BOROUGH OF HUDDERSFIELD  
BOROUGH ARCHITECT AND PLANNING  
OFFICER'S DEPARTMENT**

Applications are invited for the appointment of Two ASSISTANT ARCHITECTS, Grade A.P. & T. V—£214 17s. 6d. to £294 5s.

The posts are subject to the National Scheme of Conditions of Service, as adopted by the Council, and to medical examination, and preference will be given to Associate Members of the Royal Institute of British Architects.

Housing accommodation will be provided, if required. Applications with the names of two referees should reach S. M. Richmond, F.R.I.B.A., A.M.T.P.I., Borough Architect and Planning Officer, High Street Buildings, Huddersfield, not later than 17th July, 1957.

Canvassing directly or indirectly will disqualify.

HARRY BANN,  
Town Clerk.

Town Hall, Huddersfield.

6770

**THE ARCHITECTURAL ASSOCIATION  
SCHOOL OF ARCHITECTURE  
DEPARTMENT OF TROPICAL  
ARCHITECTURE**

Session: October 7th 1957—March 28th 1958

Applications are invited from post-graduate students of architecture and qualified architects with interest in building in the tropics for the next six-month full-time course in Tropical Architecture. Full details can be obtained from the A.A. School.

The fee for the course is £100. Studentships for the amounts shown have been donated by the following firms:

- The Yorkshire Copper Works, Ltd.: two studentships each of £50.
- Messrs. John Laing & Son, Ltd.: two studentships each of £50.
- Messrs. Crittalls, Ltd.: one studentship of £50.
- Messrs. International Paints, Ltd.: one studentship of £40.

Applicants for studentships should apply by letter to the Principal, 36, Bedford Square, W.C.1, before Friday, July 26th, 1957.

6804

**BOROUGH OF WIMBLEDON  
ARCHITECTURAL ASSISTANT, Grade A.P.T. IV, £727 to £907, plus London weighting.**

Form of application from the Borough Engineer & Surveyor, Town Hall, Wimbledon, S.W.19, by the 19th July, 1957. Canvassing disqualifies.

6816

**COUNTY BOROUGH OF GLOUCESTER  
CITY ARCHITECT'S DEPARTMENT**

Applications are invited from persons having suitable qualifications and experience for the appointment of ASSISTANT ARCHITECT, Special Grade, £707 5s.—£851 per annum.

Superannuable; post medical examination.

Applicants, stating age, married or single, training, qualifications, previous and present appointments, with copies of testimonials, or names of referees, to the City Architect, Suffolk House, Gloucester, not later than 15th July, 1957.

6805

**Architectural Appointments Vacant**

4 lines or under, 9s. 6d.; each additional line, 2s. 6d. Box Number, including forwarding reply, 2s. extra.

RONALD WARD & PARTNERS require ARCHITECTURAL ASSISTANTS with contemporary outlook and willing to use own initiative. Salary range £600 to £850. Congenial working conditions. Apply 29, Chesham Place, Belgrave Square, S.W.1. Telephone Belgrave 3361.

6322

**CO-OPERATIVE WHOLESALE SOCIETY LTD.  
ARCHITECT'S DEPARTMENT, MANCHESTER**

APPLICATIONS are invited for the following appointments:—(a) SENIOR ASSISTANT ARCHITECTS with experience (salary range £820 to £975 per annum). (b) ASSISTANT ARCHITECTS capable of preparing working drawings from preliminary details (Salary range £550 to £820 per annum). There is a five-day week in operation and both appointments offer prospects of upgrading. Applications stating age, experience, qualifications and salary required to G. S. Hay, A.R.I.B.A., Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester 4.

6023

ARCHITECTURAL ASSISTANT required in busy London Office with varied practice. Good salary and prospects for suitable applicant. Five-day week. Write, giving particulars of age, qualifications, experience, etc., to Box 851, 7, Coptic Street, W.C.1.

6376

SENIOR ARCHITECTURAL ASSISTANT required by progressive Company of Building Designers and Contractors, operating on a National scale from pleasant part of South Midlands and engaged on important industrial projects. The position is permanent and progressive. Pension Scheme. Box 6584.

ASSISTANTS £400—£600 p.a., required. Busy London office, important work abroad. Five-day week, good conditions, holidays honoured. Harrison, Potter, Hare & Macfarlane, F.F.R.I.B.A., 19, Broadstone Place, W.1. WELbeck 0694.

6759

ASSISTANT, Intermediate standard, required. Busy West End office. State age, experience, and salary required.—Box 6046.

W. H. WATKINS, Gray & Partners require interesting hospital work. Pension scheme in operation.—Write or phone, 57, Catherine Place, S.W.1. Victoria 7761.

6346



**RAMSEY, MURRAY, WHITE & WARD** require recently qualified ASSISTANTS, with two to five years' practical experience, to work on interesting industrial and office buildings. Salary by arrangement.—Apply 32, Wigmore Street, W.1. 5929

**ASSISTANT ARCHITECT**, Co-operative Wholesale Society, Ltd., invite applications for the position of Assistant Architect. Must be capable of preparing working drawings from preliminary details. The post is superannuable, subject to medical examination. 5-day week in operation. Applications, giving details of age, experience and salary required, to—W. J. Reed, F.R.I.B.A., Chief Architect, C.W.S. Ltd., 99, Leman Street, London, E.1. 6350

**SENIOR AND JUNIOR ARCHITECTURAL ASSISTANTS** required immediately. Salary according to ability and experience. Please apply stating age and qualifications to Bertram Butler & Company, Chartered Architects, 6, Tettenhall Road, Wolverhampton. 6758

**SENIOR ASSISTANT** required in busy West End Office, interesting commercial work and must be prepared to take responsibility. Please write giving details of experience etc. Box 6447.

**LONDON** office with widely varied practice urgently requires all grades of ASSISTANTS, preferably with London experience. Five-day week. Lewis Solomon, Son & Joseph, 21, Bloomsbury Way, London, W.C.1. Holborn 6108. 6531

**NORTH & PARTNERS**, Chartered Architects with extensive practice, seek partner's personal ASSISTANT. Position will afford excellent opportunity for capable assistant. Reply: 40, Broadway, Maidenhead. 6563

**ARCHITECTURAL DRAUGHTSMEN** required in the Design Department of a rapidly expanding Company marketing prefabricated timber products. The successful applicants will be engaged in the preparation of schemes to Architects' requirements, and will be called upon to visit offices to discuss and advise on technical details. The work demands a high degree of individual initiative and ability. Five-day week. Compulsory Superannuation Scheme. Starting salaries from £700 per annum. Applicants should indicate age, past experience, qualifications and present salary level. Box 6518.

**ARCHITECTURAL ASSISTANT**, Intermediate standard, required in busy office (S.W.7) for work on varied schemes in London and Provinces. Quick and competent draughtsman. Apply stating age, experience and present salary to Box 6620.

**ARCHITECT'S ASSISTANT** required in the Chief Architect's office of a large multiple retail firm with offices in London. Five-day week, pension scheme, dining room available for use of staff. Applicants should state age, qualifications, experience and salary required. Box 6332.

**WELL-KNOWN** London Architects require ASSISTANTS between Intermediate and Final standard. Interesting projects. Five-day week. Write Box 853, c/o 7, Coptic Street, W.O.1. 6583

**NORTH AND PARTNERS**, Chartered Architects, with large and varied practice, require a capable experienced ASSISTANT for drawing office, salary by arrangement. Reply: 40, Broadway, Maidenhead, Berks. 6573

**ARCHITECTURAL ASSISTANT** of Intermediate R.I.B.A. standard required in varied practice in Croydon. Good draughtsman with practical knowledge of building construction essential. Salary according to experience. Apply Hugh Macintosh & Partners, 35, High Street, Croydon. 6568

**SENIOR ASSISTANT** required to take charge of large interesting jobs from design stage. Salary £800 to £1,150 p.a. according to capabilities. Apply Morris de Metz, F.R.I.B.A., City 4086. 6557

**TWO ARCHITECTS' ASSISTANTS** required of Intermediate standard capable in design and working drawings, able to work on own initiative. Holiday arrangements respected. Applications to Nicholson & Rushton, 2, New Square, Lincoln's Inn, W.C.2. Holborn 6228. 6500

**WELL-KNOWN** and progressive practice requires SENIOR ARCHITECTURAL ASSISTANT and ASSISTANTS of both qualified and Intermediate standard. London office in pleasant surroundings. Five-day week, holiday commitments honoured. Generous salaries commensurate with qualifications and experience. Box 6556.

**NAIROBI**, INTERMEDIATE ASSISTANT required by a large firm of Architects with Headquarters Office in Nairobi. Applicants must be competent at the preparation of working drawings, details and specifications, design ability is not a first requirement. Partner will be in London for the month of July and will interview suitable applicants. Apply in writing with references, full personal details and a detailed record of experience to: G. B. A. Williams, F.R.I.B.A., 43, Great Ormond Street, London, W.C.1. In due course applicants will be advised of time and place for interview. 6768

**YOUNG ARCHITECTURAL ASSISTANT** (male) required in West End office. Write stating age, experience and salary required. Box 6683.

**EXPERIENCED ARCHITECTURAL ASSISTANT** required immediately by City Architects. Prospects and commencing salary up to £1,000 p.a. for suitable applicant. Box 6660.

**ARCHITECTURAL ASSISTANT** required for a senior position in private practice in Norwich. Applicants should be qualified and have at least five years' office experience and fully competent to see contracts through from start to finish under principal's guidance. Wide variety of buildings in hand covering an extensive area of East Anglia and London and great scope and prospects for the right man. Salary between £750 and £1,000 per annum according to ability. Interviews granted in London, Ipswich or Norwich. Reply giving full particulars including age, qualifications and details of previous office experience to Box 6681.

**JUNIOR ARCHITECTURAL ASSISTANTS** required in the Architect's Department of Multiple Retail Company, Birmingham Area. Applicants must have had sound architectural training up to Intermediate standard, and are required to prepare working drawings and details under supervision of senior staff. Salary within the range of £450 to £500 p.a. Five-day week. Staff canteen and pension scheme available. Replies to Box 6763.

**NOTTINGHAM**. (1) ARCHITECT urgently required for development work on Precast Concrete Structures. Will work with structural engineer and other specialists. The right man will eventually take charge of the section. (2) INTERMEDIATE ASSISTANT to the above also required. Bartlett & Gray, Dip. Arch. A.A.R.I.B.A., Castle Gate, Nottingham. Tel. 53214. 6766

**REQUIRED** for Manchester Architect's small and busy office, keen JUNIOR ASSISTANT. Box 6769.

**ARCHITECT'S DEPARTMENT OF BOOTS PURE DRUG CO. LTD., NOTTINGHAM**, need:—

(a) ASSISTANT ARCHITECTS.  
(b) ARCHITECTURAL ASSISTANTS.  
(c) ASSISTANT QUANTITY SURVEYORS.  
Qualifications are of less importance than ability. The work involved is of a most diverse character ranging from large new shops and the extension and alteration of existing ones to multi-storey office blocks, laboratories, warehouses and factories. Generous initial salaries and prospects of advancement for competent and experienced people. The post is permanent and there is an attractive contributory pension scheme. Five-day week, sports, welfare and canteen facilities. Quantity Surveyors should preferably be experienced in the preparation of quantities for both alterations and new buildings, specification writing for minor works and the settlement of final accounts. All applicants should write to the Chief Architect, Boots Pure Drug Co. Ltd., Station Street, Nottingham, giving full particulars—i.e. name, address, age, whether married or single, present appointment, training, details of experience and salary required. 6746

**FARMER AND DARK** have a vacancy in their Poole office for a qualified ASSISTANT. Write, giving full particulars, to Farmer & Dark, 14, High Street, Poole, Dorset. 6750

**TWO ASSISTANTS** required in City Architect's Department. Salary range £600–£800 with good prospects of advancement and secure future for suitable applicants. Write giving particulars of experience, age and salary required. Box 6705.

**NAIROBI**: ASSISTANT with minimum five years' office and site experience, preferably single, wanted for three years contract period. Salary £80 per month according to experience. Return passage paid. Living accommodation can be provided. Write: Louis Erdi, 27, Knightbridge Street, London, E.C.4. 6704

**TWO ARCHITECTURAL ASSISTANTS** urgently required for expanding department of Contractor's office in N.W. London. Wide scope and prospects for persons with initiative and sound technical knowledge, able to work with minimum supervision. Salary range £650–£850 p.a. Box 6755.

**ASSISTANT** required, Intermediate standard; also JUNIOR, in West End office. Write stating age, experience and salary required to Box 6724.

**WESTERN WELSH OMNIBUS CO. LTD.**, CARDIFF require a JUNIOR ARCHITECTURAL ASSISTANT in their newly created Architect's Department to prepare designs, working drawings, details, etc., under the supervision of a qualified Architect. Apply in writing stating age, education and experience to Chief Engineer, 253, Cowbridge Road West, Cardiff. 6730

**EXPERIENCED ARCHITECTURAL ASSISTANTS** Intermediate standard required by Architects with general practice in Barnet, Hertfordshire. Apply Box 6729.

**SMALL** progressive West End Office requires energetic SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS. Senior Assistant must be capable of carrying out Contracts and Sketch Plans to completion. Holidays will be respected. Applications in the first place in writing giving full particulars of experience and salary required to Box 6725.

**YOUNG ASSISTANT** required to work with Principal, Cumberland, Westmorland and Lancashire. Payment related to ability. Real prospects for rapid advancement. First class education and references essential. C. B. Martindale, F.R.I.B.A., Castle Street, Carlisle. 6514

**ARCHITECTURAL ASSISTANTS** of all grades wanted for Hospital, Housing or School work in general practice (10 miles from London on Central Line). Five-day week and pension scheme. Salary according to capability. Write giving age and full details of training and/or experience to Messrs. Tooley & Foster, Chartered Architects, Midland Bank Chambers, Buckhurst Hill, Essex. 6821

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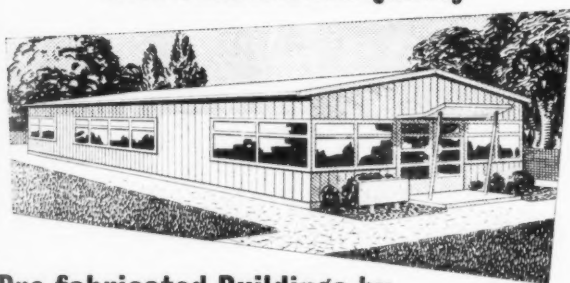


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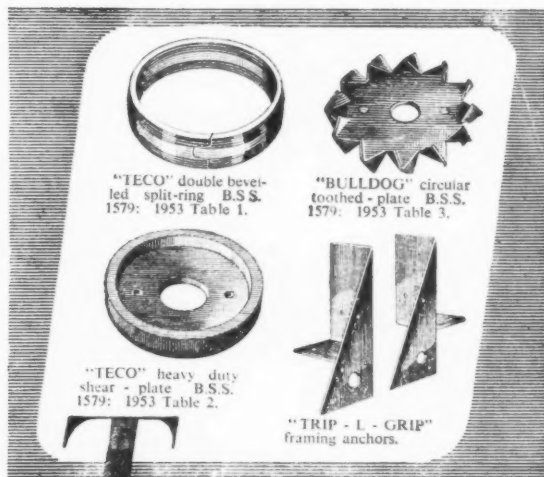
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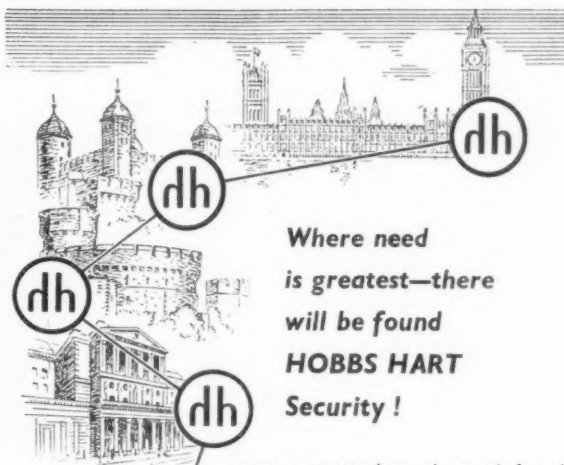
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