

The Architects' JOURNAL for May 7, 1959

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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Wanted and Vacant

No. 3349]

[Vol. 129

THE ARCHITECTURAL PRESS

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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 I one week, I to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. L. Stevenson, College of Art, Hope Street, Liverpool 1.	Royal 1826
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Langham 5533
ABT	Association of Building Technicians. 1, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James's Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Langham 5861
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Langham 5721
BC	Building Centre, 26, Store Street, Tottenham Court Road, W.C.1.	Museum 5400
BCC	British Colour Council. 13, Portland Square, W.1.	Welbeck 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
BE	Building Exhibition. 11, Manchester Square, W.1.	Hunter 1951
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
BR	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
CABAS	City and Borough Architects Society. C/o S. A. G. Cook, A.R.I.B.A., Borough Architect and Director of Housing, Town Hall, High Holborn, W.C.1.	Holborn 3411
CAS	County Architects' Society. C/o S. Vincent Goodman, F.R.I.B.A., Shire Hall, Bedford.	Bedford 67444
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Belgravia 6661
CDA	Copper Development Association. 55, South Audley Street, W.1.	Grosvenor 8811
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
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
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.	Welbeck 9966
FASS	Federation of Associations of Specialists and Sub-Contractors, 14, Bryanston Street, W.1.	Welbeck 1781
FBBDO	Fibre Building Board Development Organization Ltd. (Fidor), Stafford House, Norfolk Street, W.C.2.	Covent Garden 3008
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. 33, John Street, W.C.1. Tel.: Chancery 7583 (6 lines)	
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
IHE	Institution of Heating and Ventilating Engineers. 49, Cadogan Square	Sloane 1601/3158
IIBDID	Incorporated Institute of British Decorators and Interior Designers. 100, Park Street, Grosvenor Square, W.1.	Mayfair 7086



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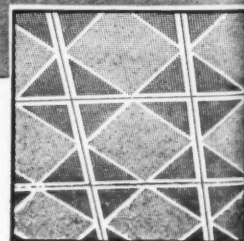
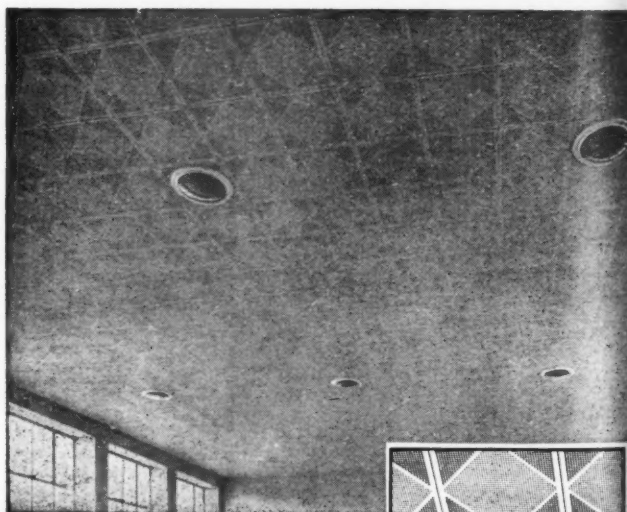
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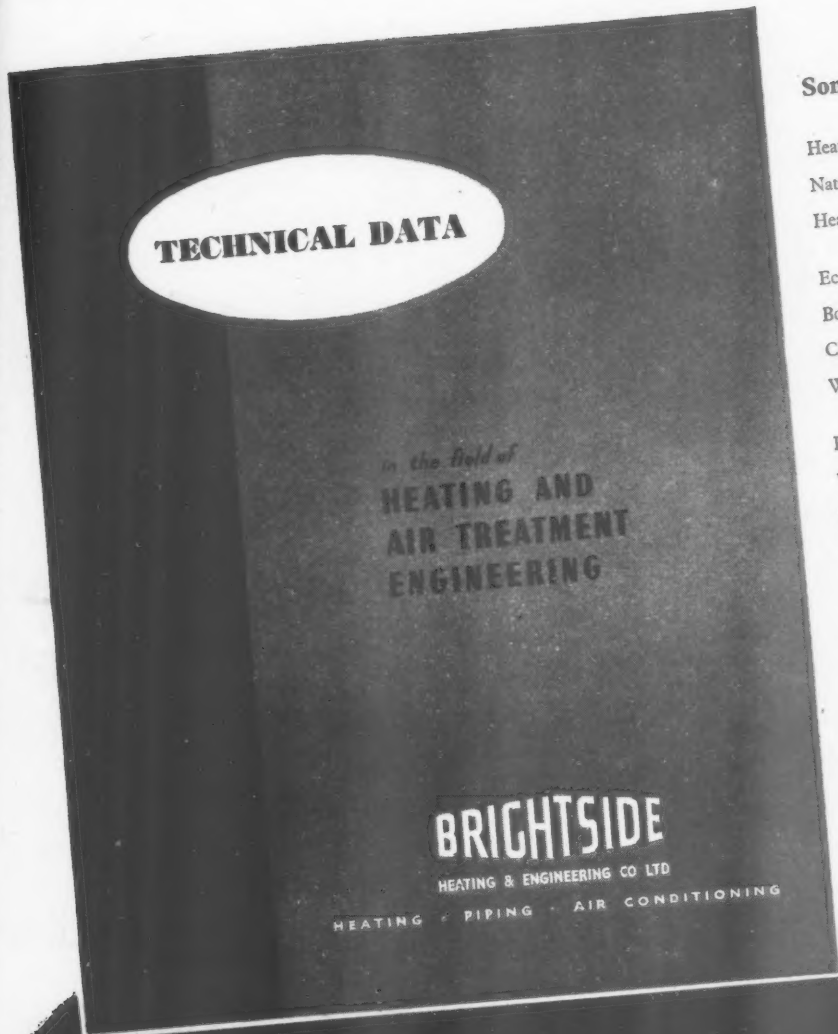
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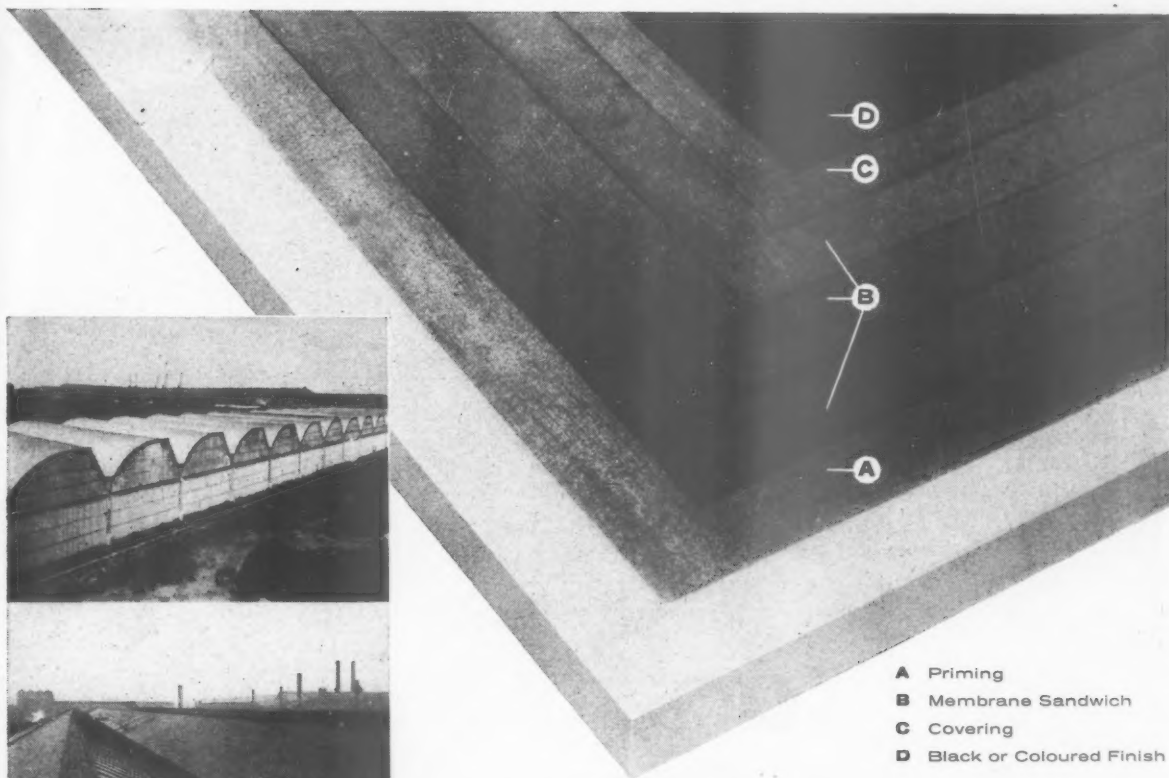
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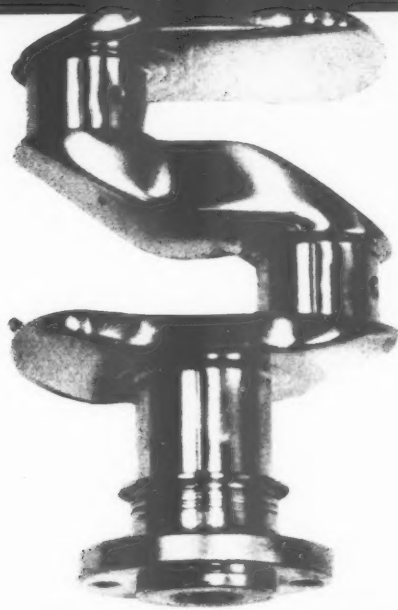
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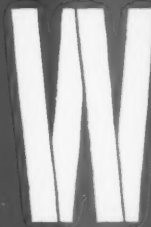
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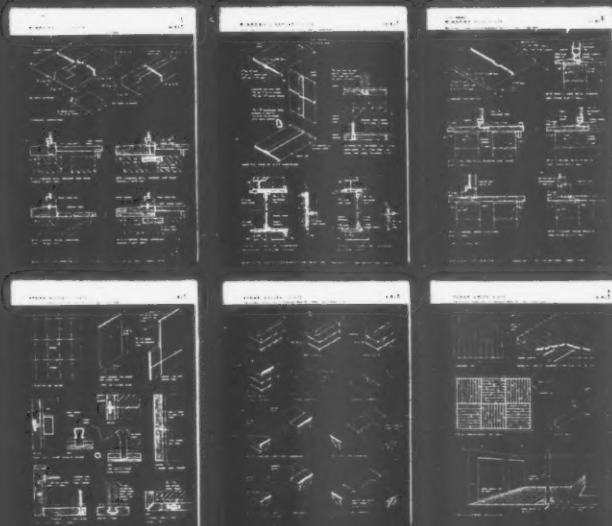
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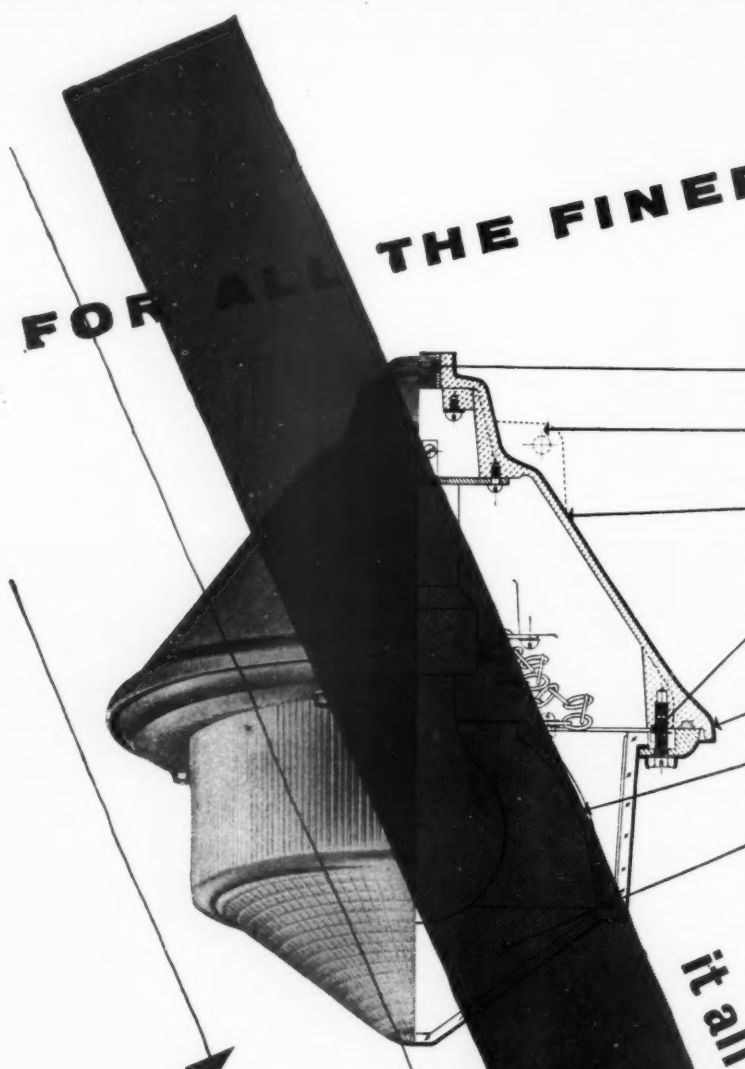
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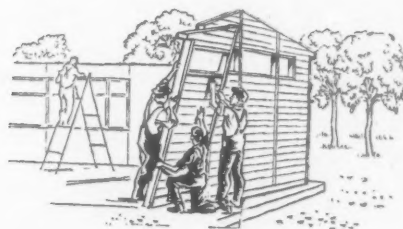
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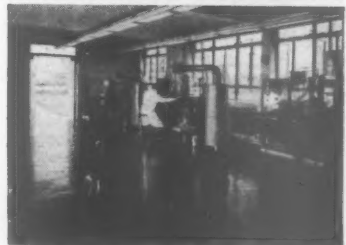
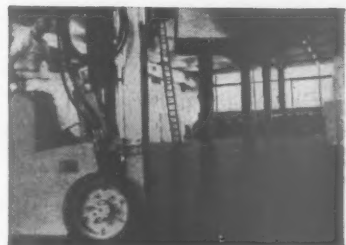
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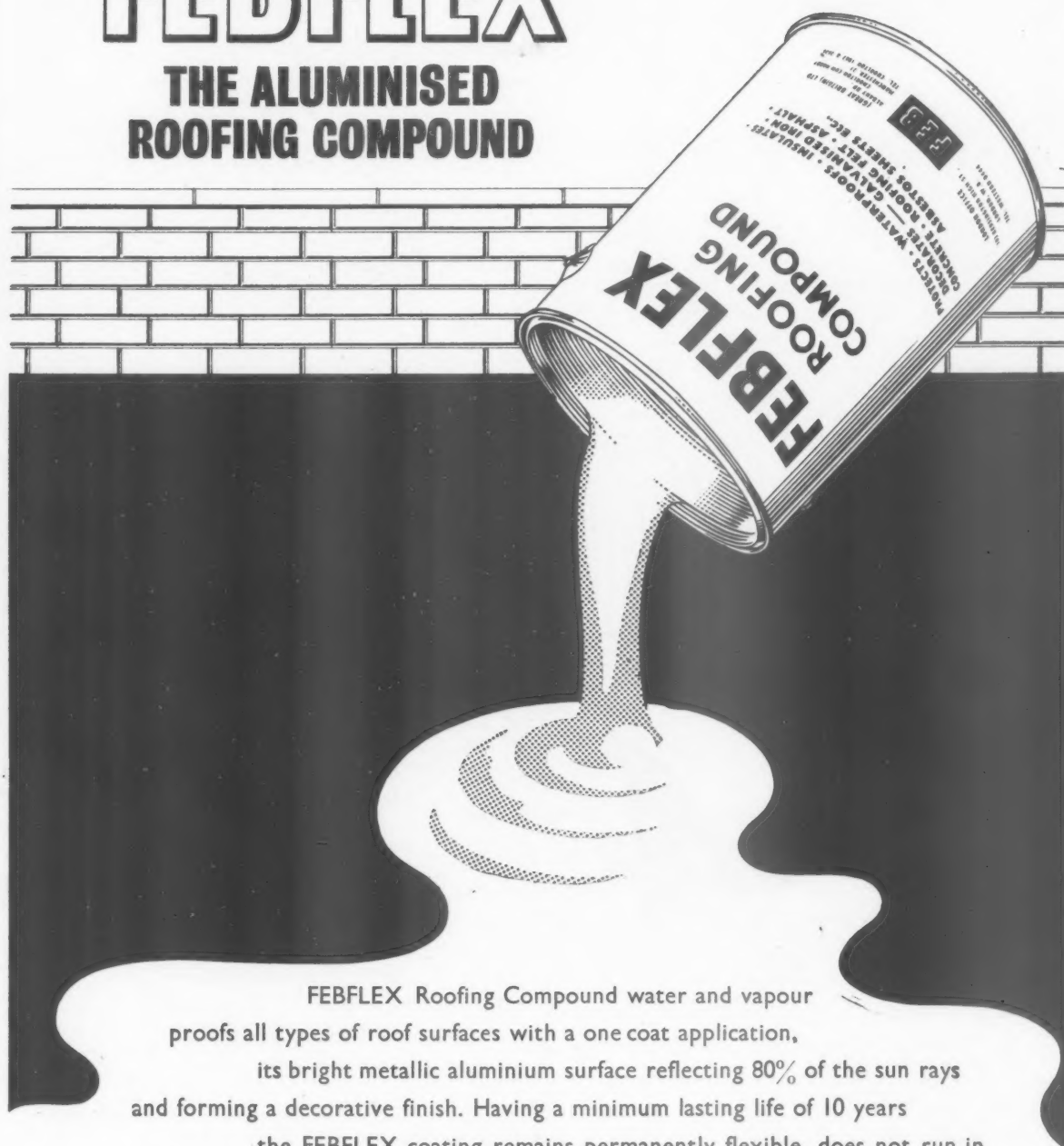
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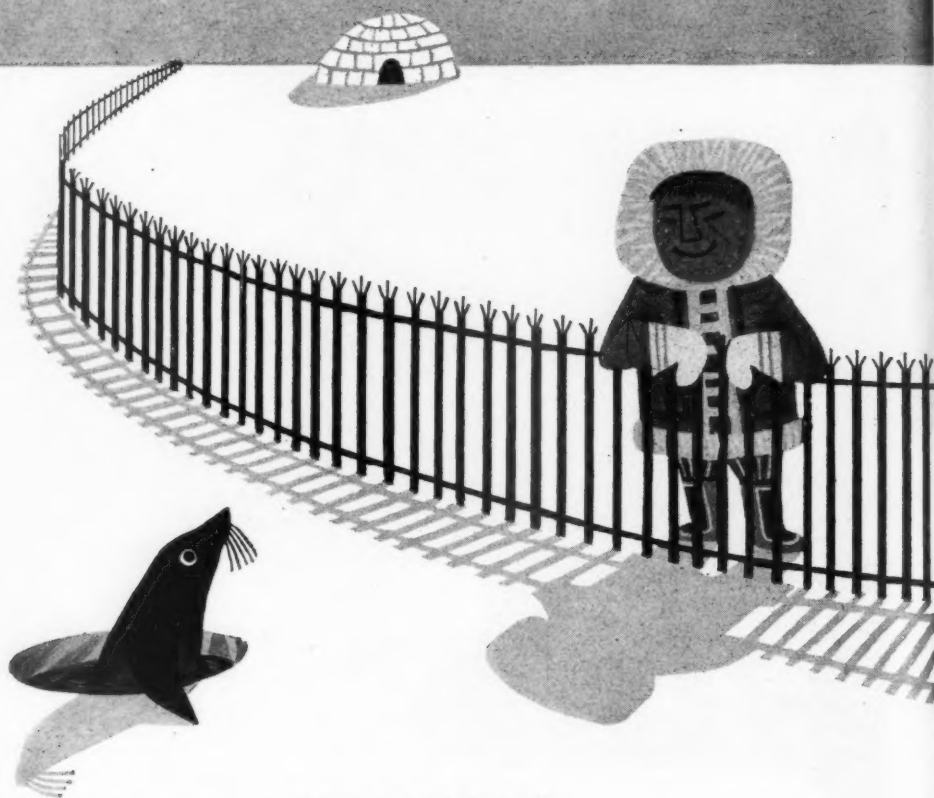
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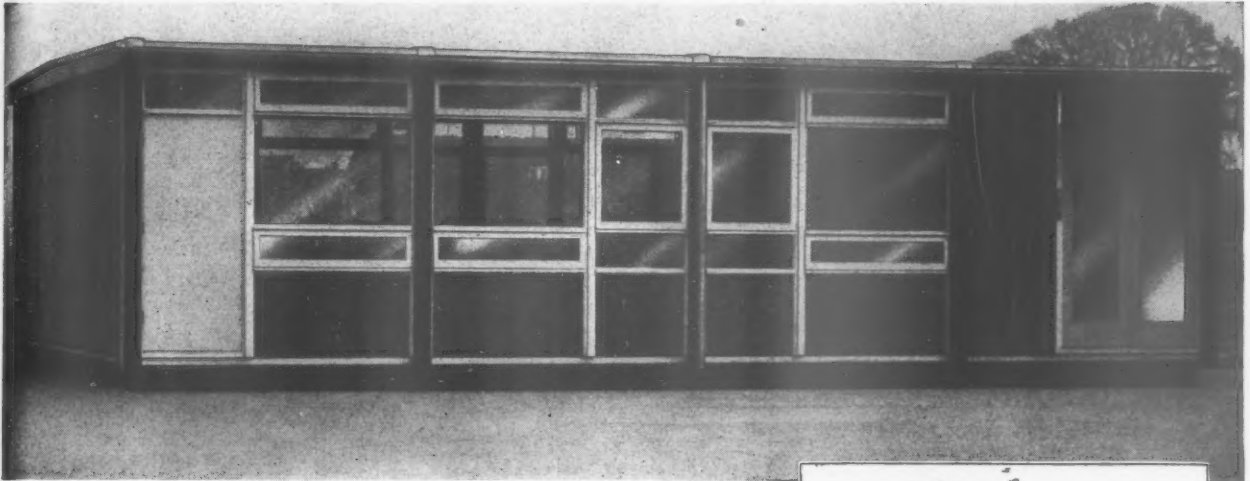
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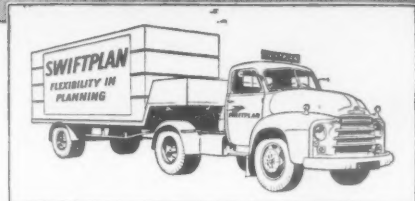
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* This suspended ceiling combines radiant heat with noise reduction by means of hot water heating pipe coils hidden behind acoustic panels. Both are suspended independently of each other from the existing ceiling. Heat radiating through the perforated acoustic panels provides radiant warmth without stuffiness, while excessive noise is absorbed by both the acoustic panels and the thermal acoustic pad: the latter may also economize in fuel by reducing heat loss.

* Extract from Publication No. 348, copies of which will gladly be sent gratis, on application to

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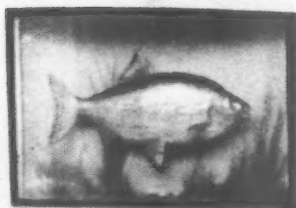
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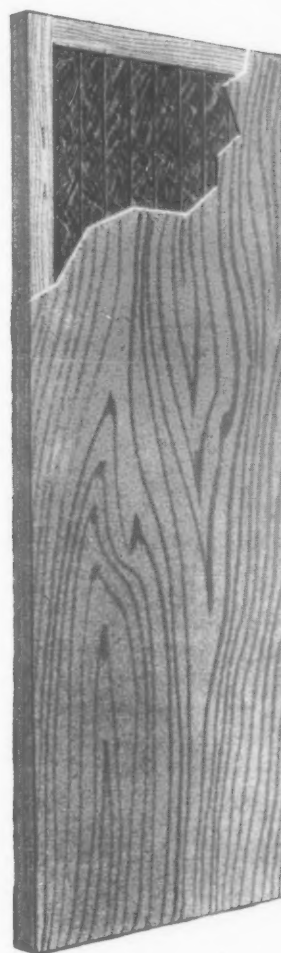
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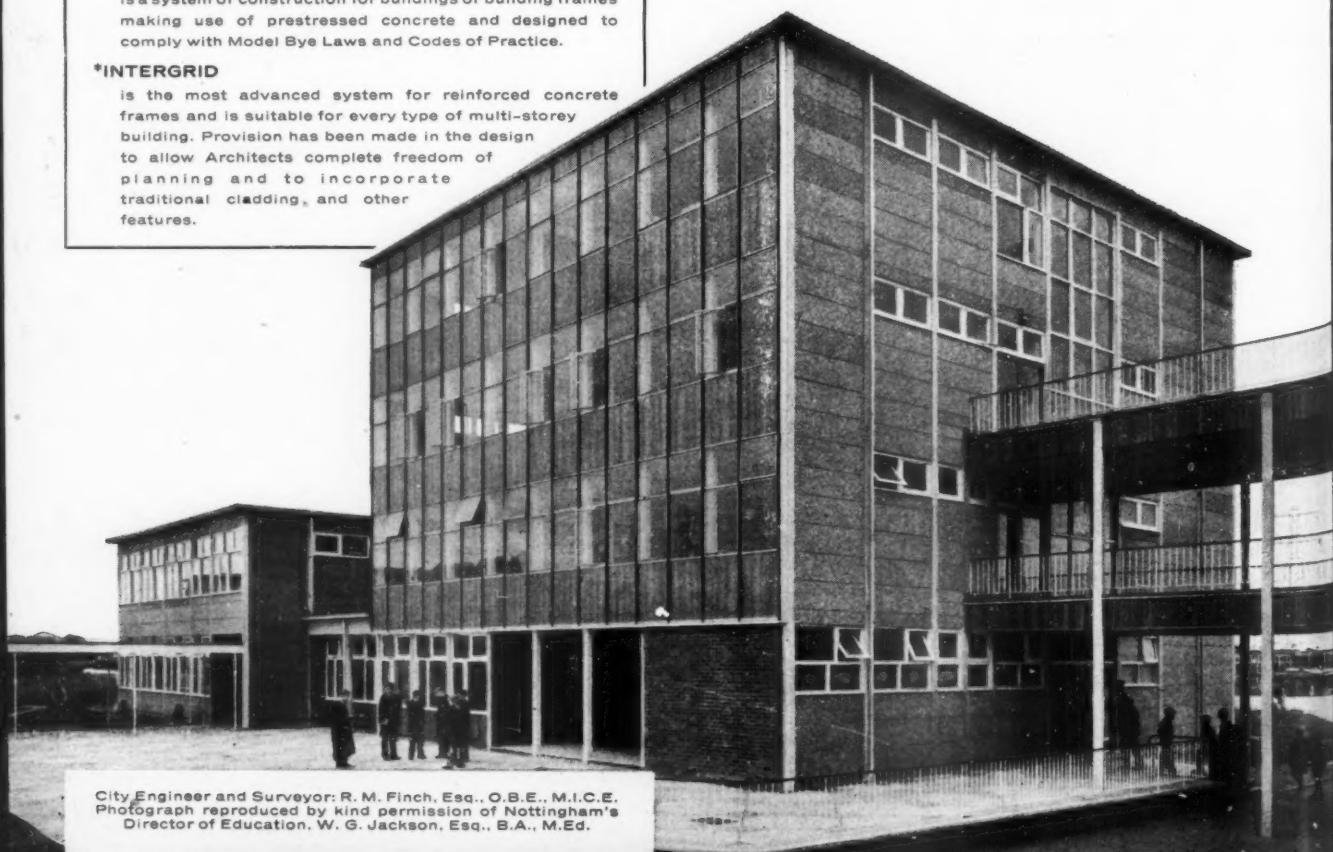
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City Engineer and Surveyor: R. M. Finch, Esq., O.B.E., M.I.C.E.
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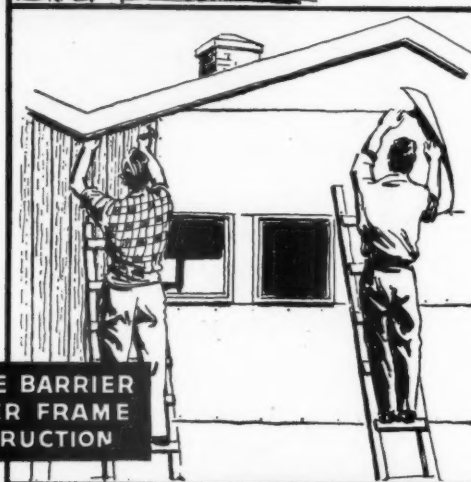
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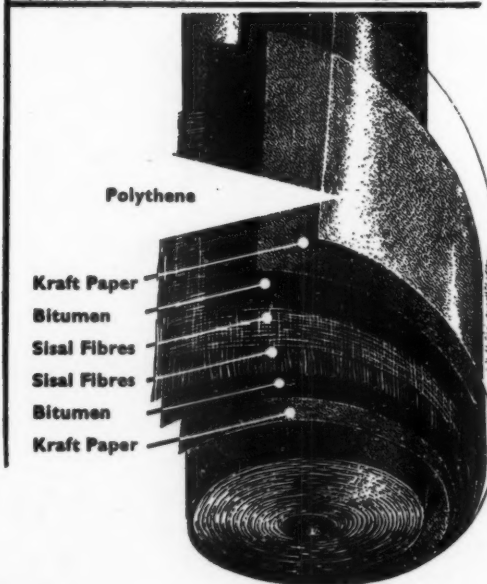
GRAMS: Brickwork Barking



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TILES AND SLATES

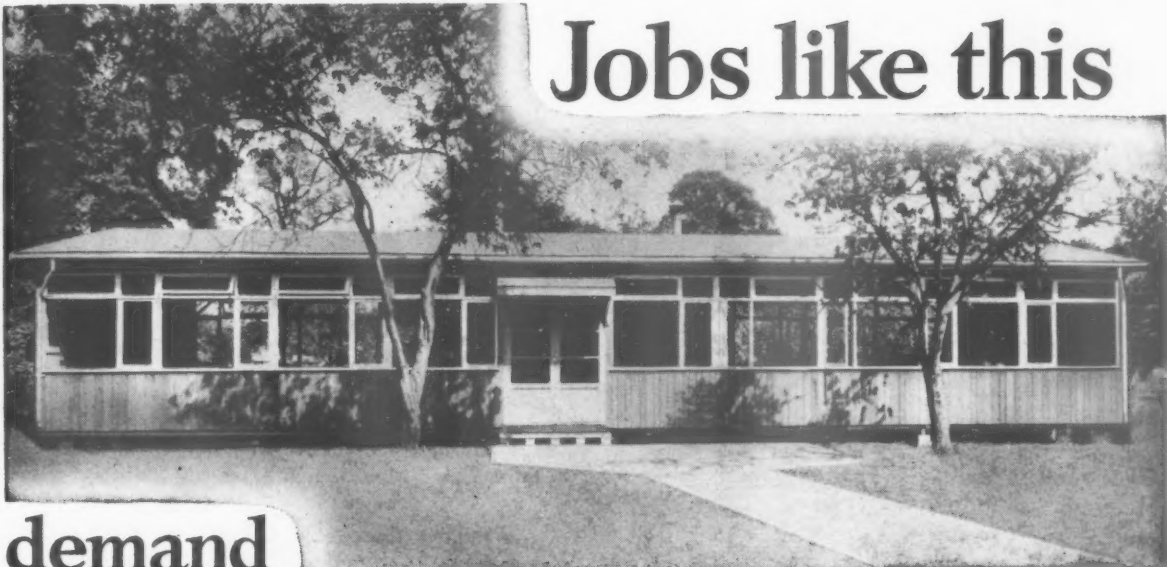


MOISTURE BARRIER
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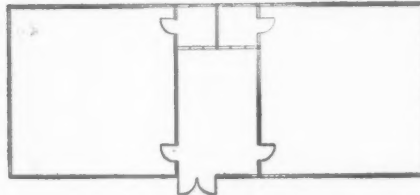


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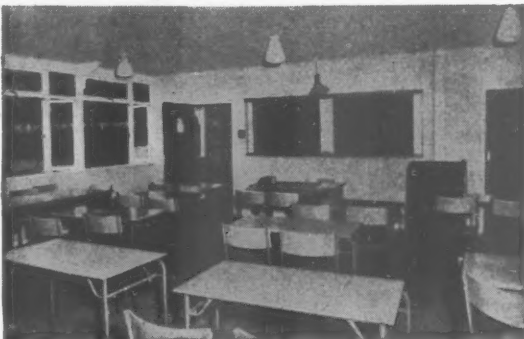
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A timber building to form two classrooms, each 24' x 24'. A store room for each classroom and a cloak bay to house 80 coat pegs. A timber floor and flat ceiling providing space for electric lighting. The building to be based on a panel unit, capable of being dismantled and removed to another site in approximately two years' time. Erection to be carried out by supplier on a prepared foundation.



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Photographs by courtesy of the County Architect, Gloucestershire County Council.



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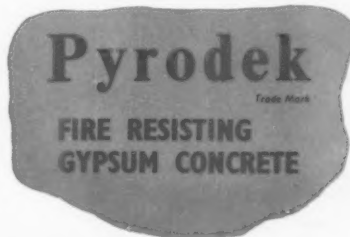
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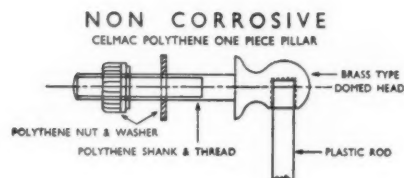
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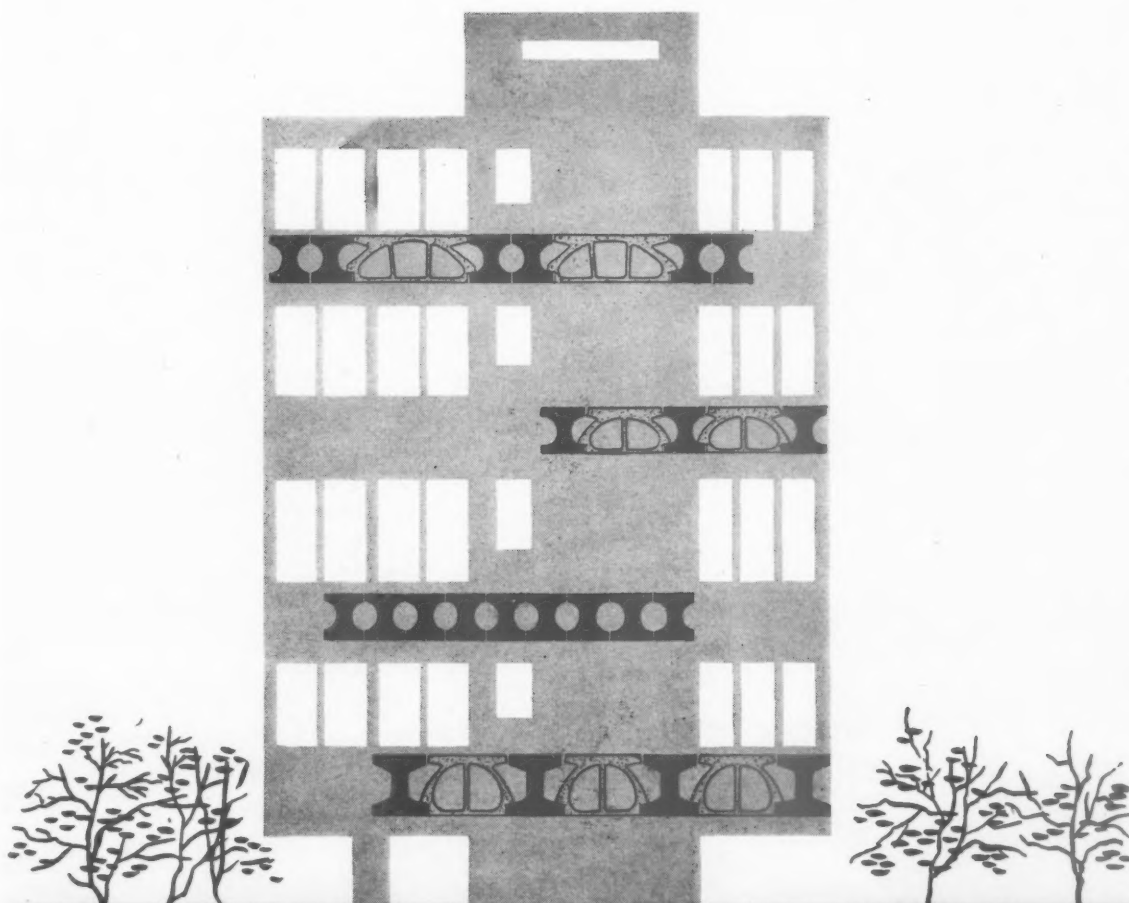
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
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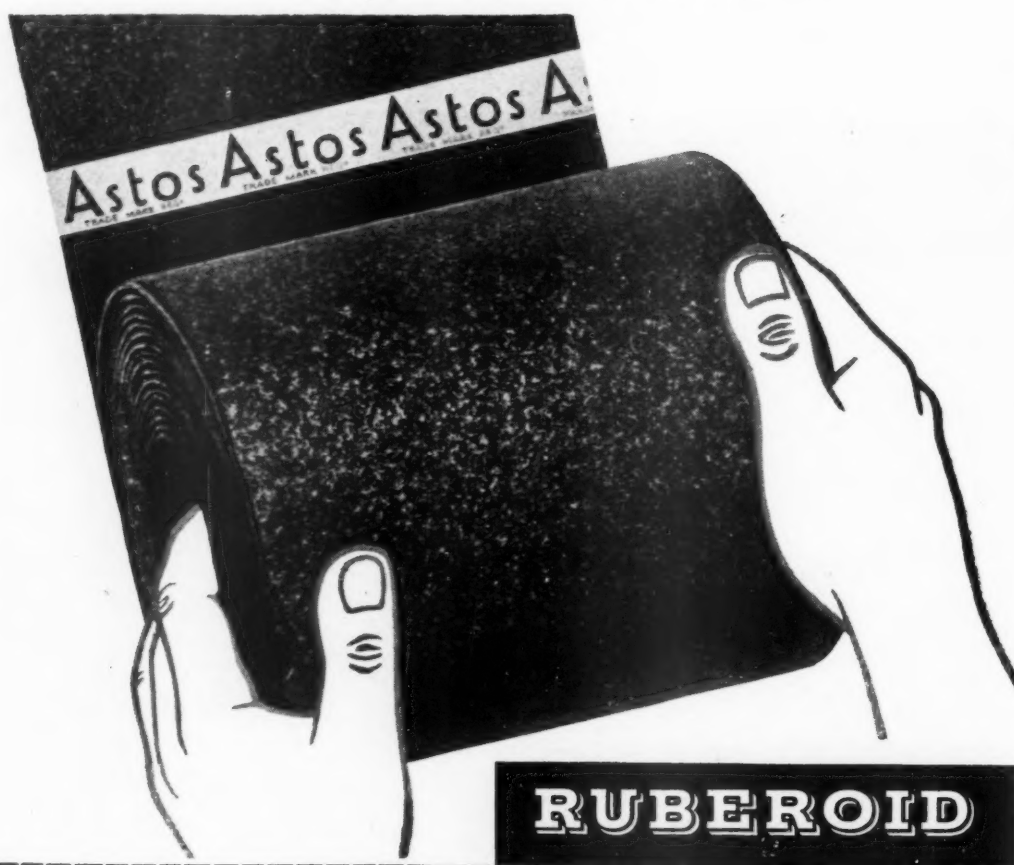
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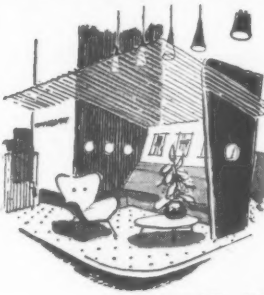


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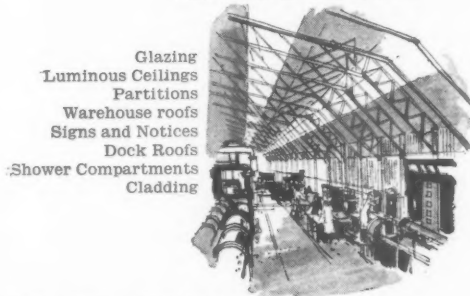
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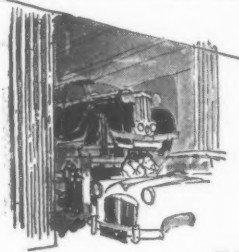
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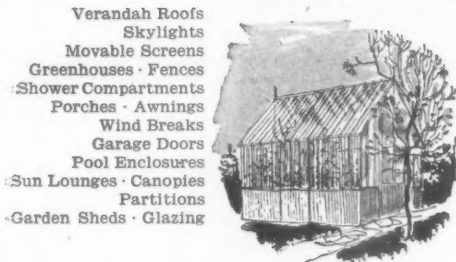
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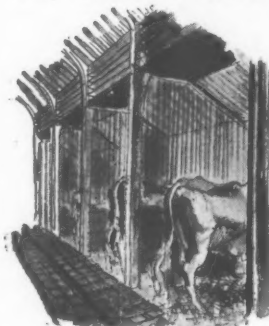
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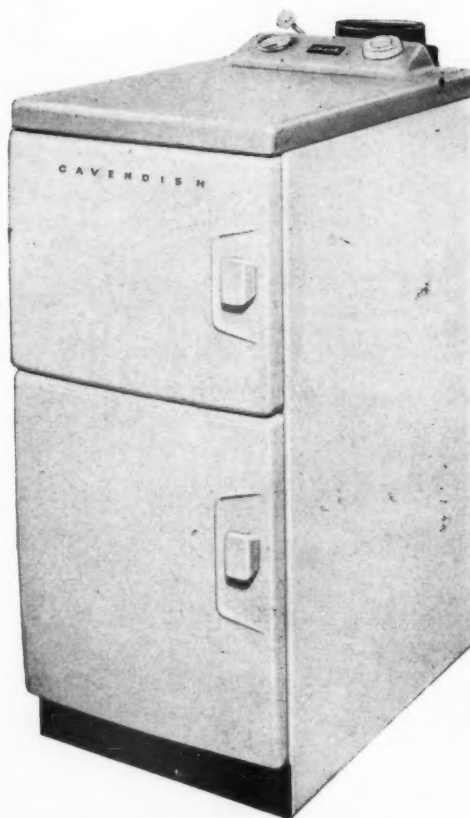


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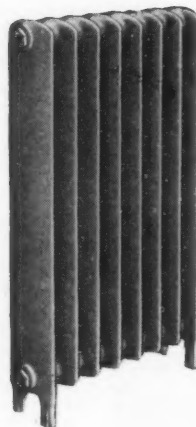
* Most makes of oil-burning equipment are suitable for these boilers.



The Cavendish Boiler has been accepted by The Council of Industrial Design for display in The Design Centre, London

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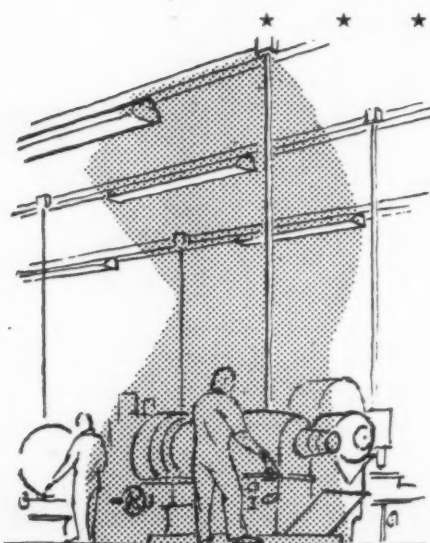
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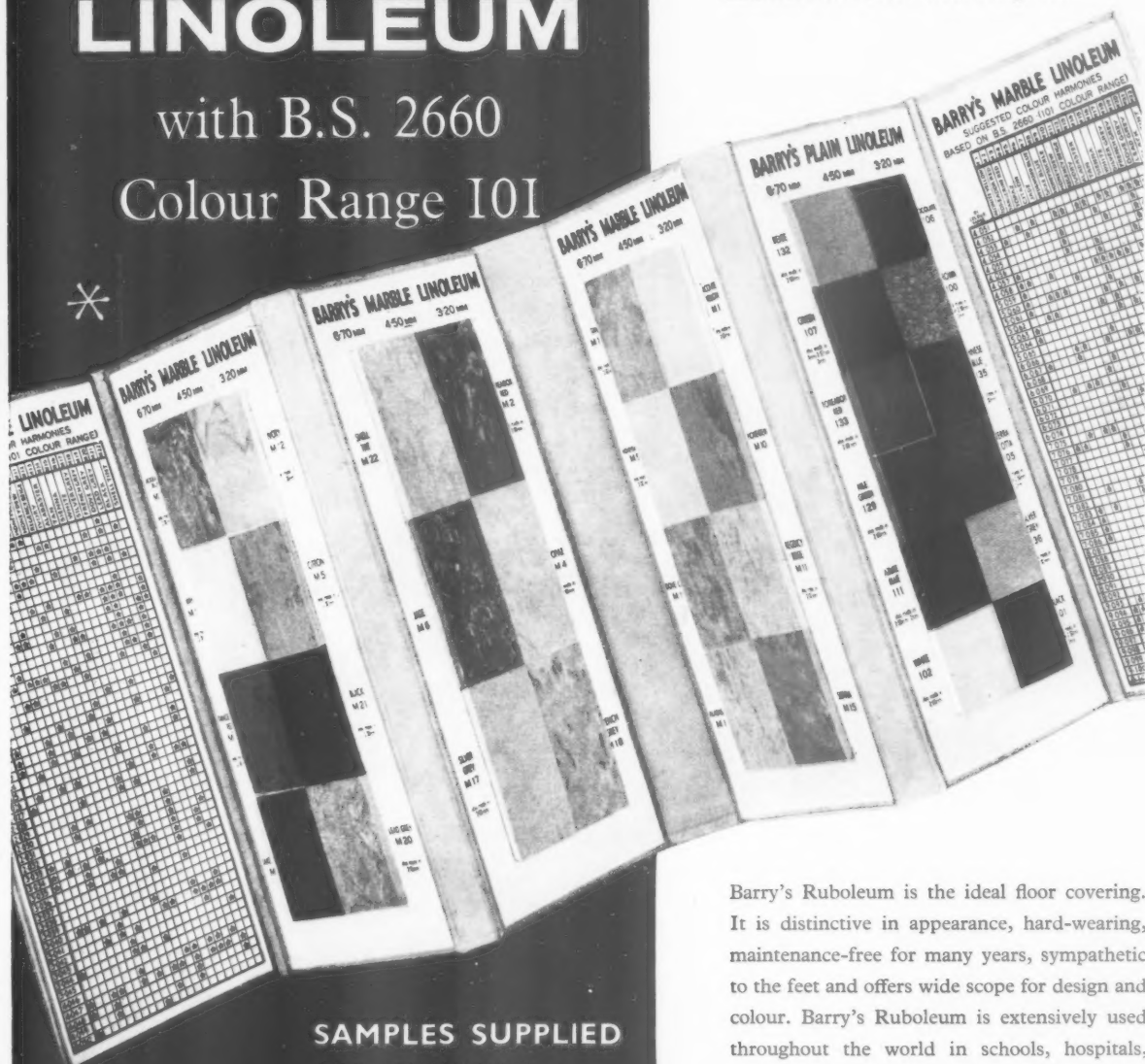
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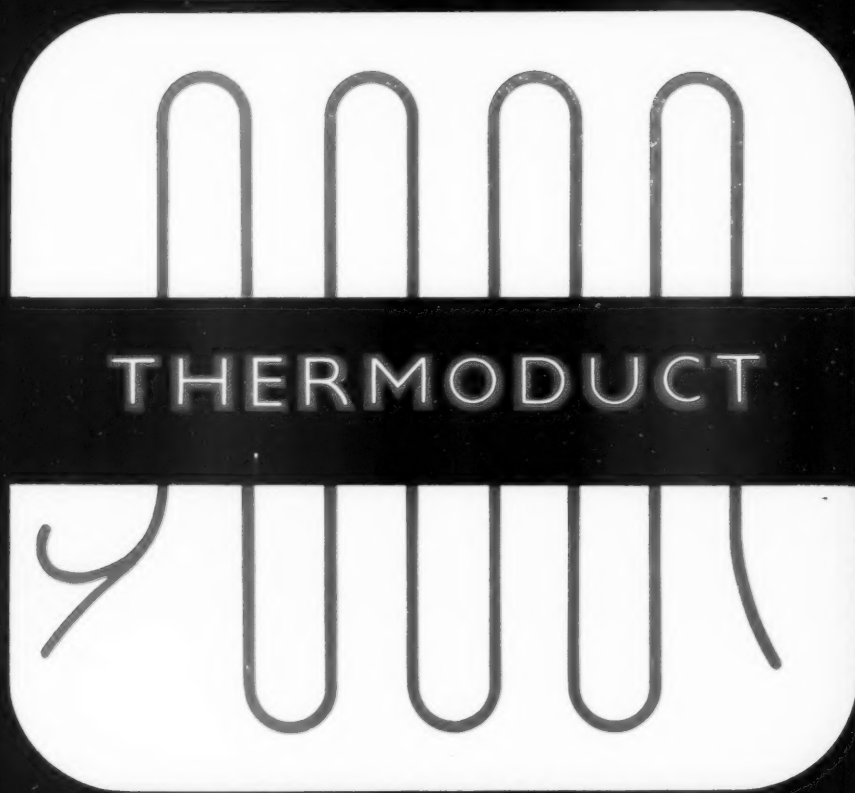
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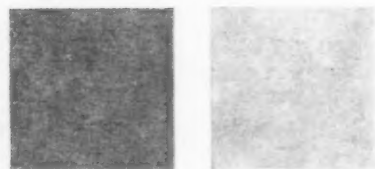
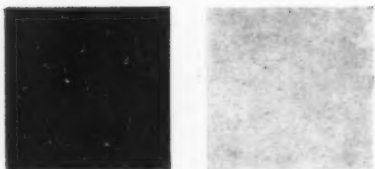
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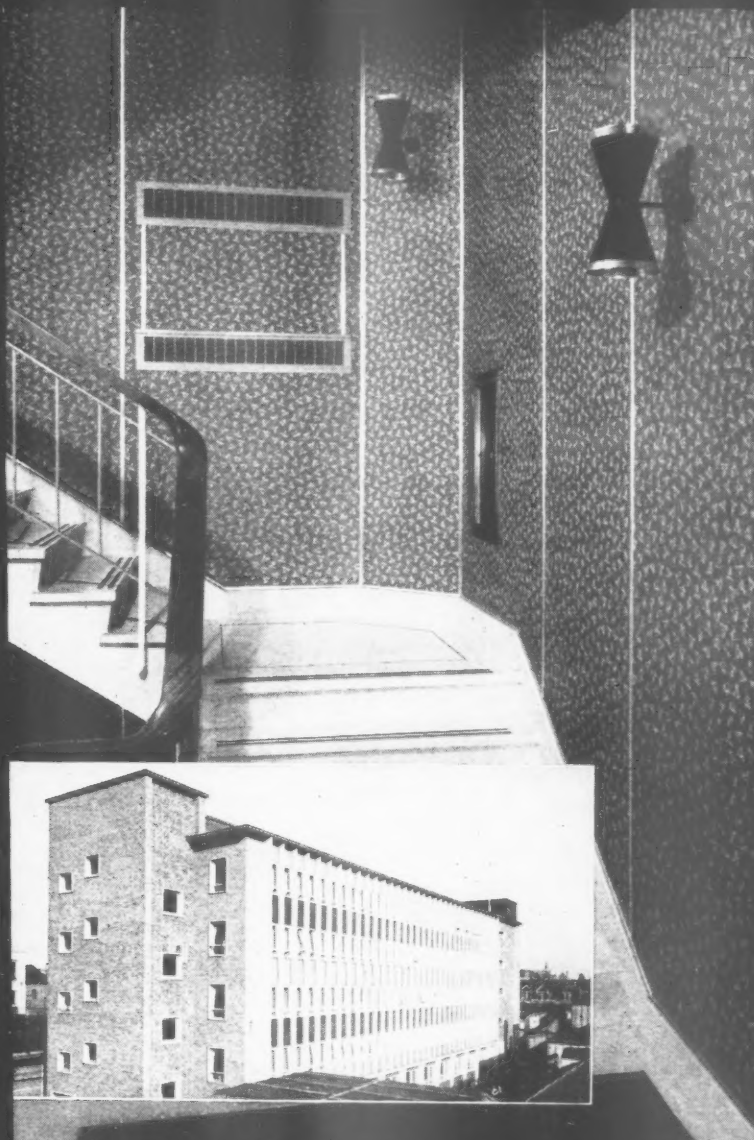


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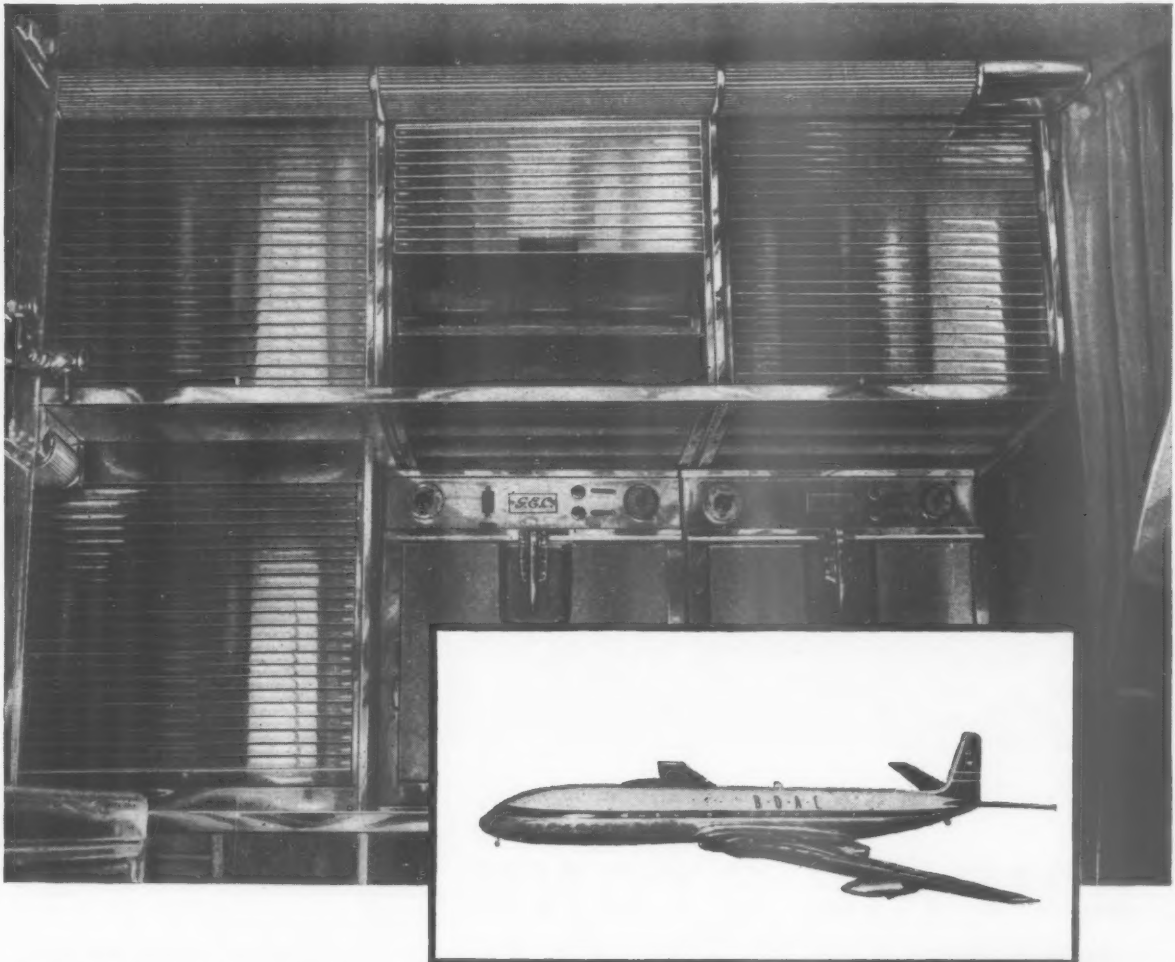
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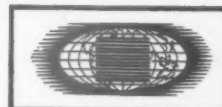
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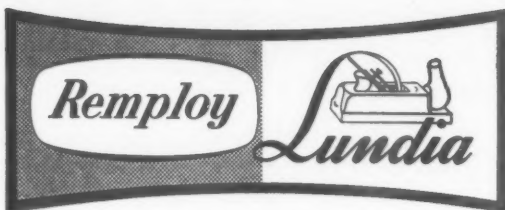


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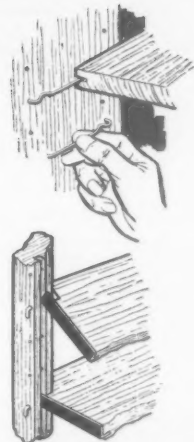
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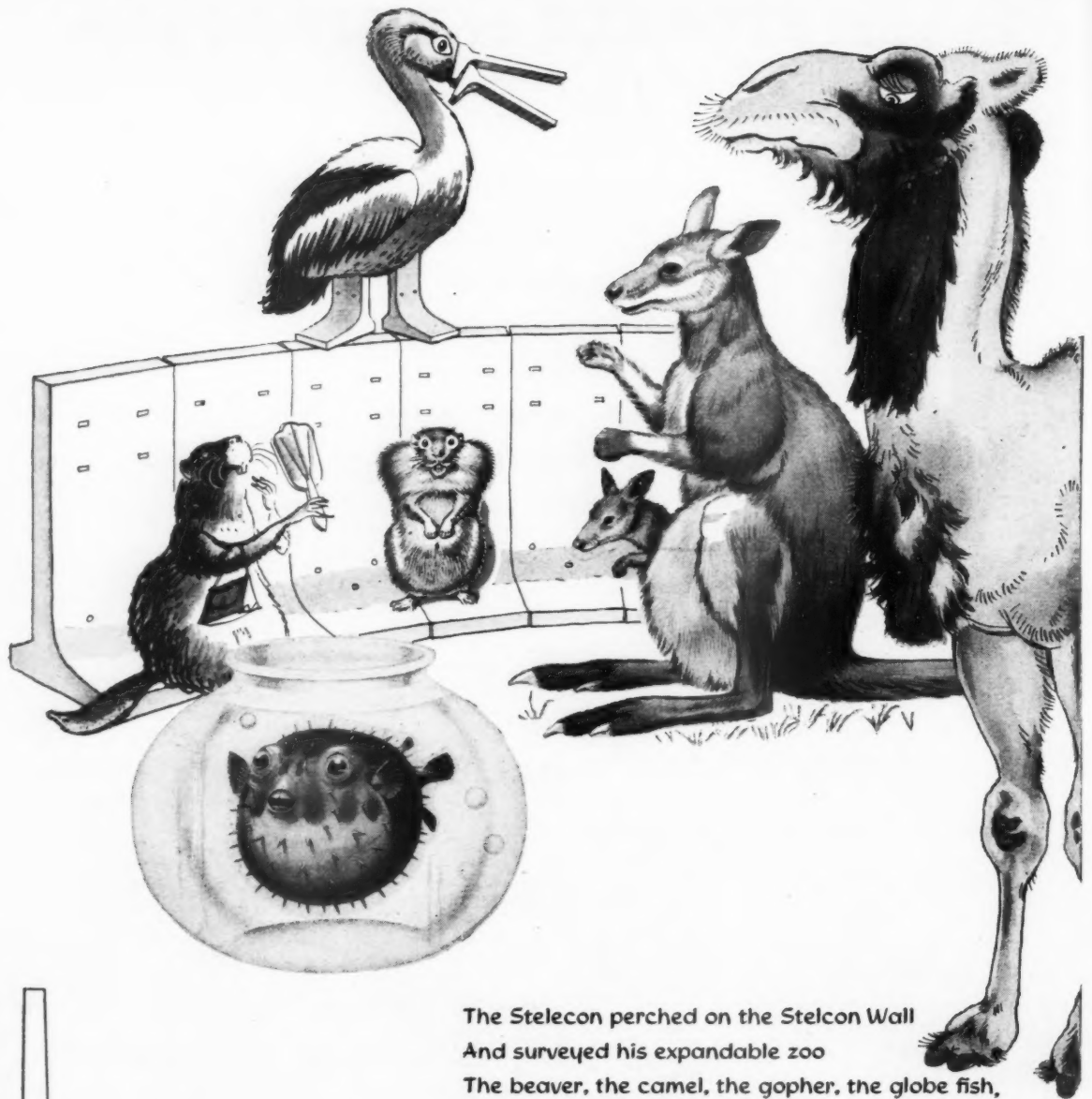
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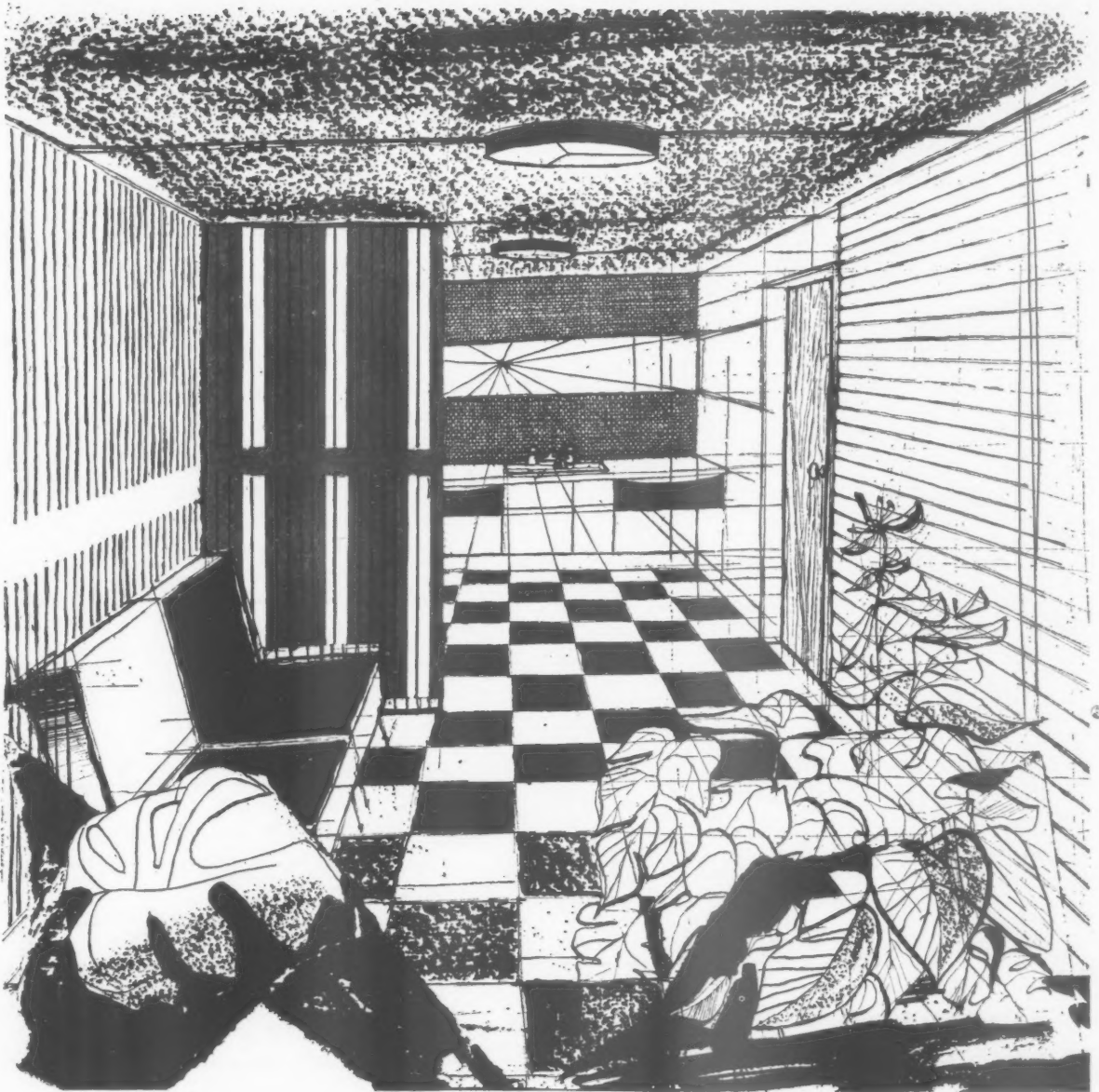
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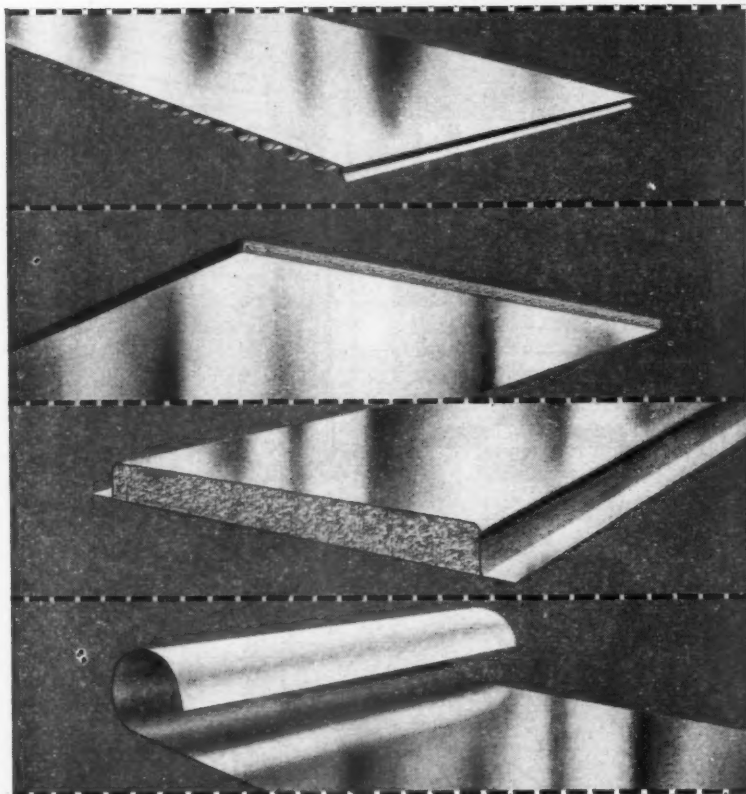
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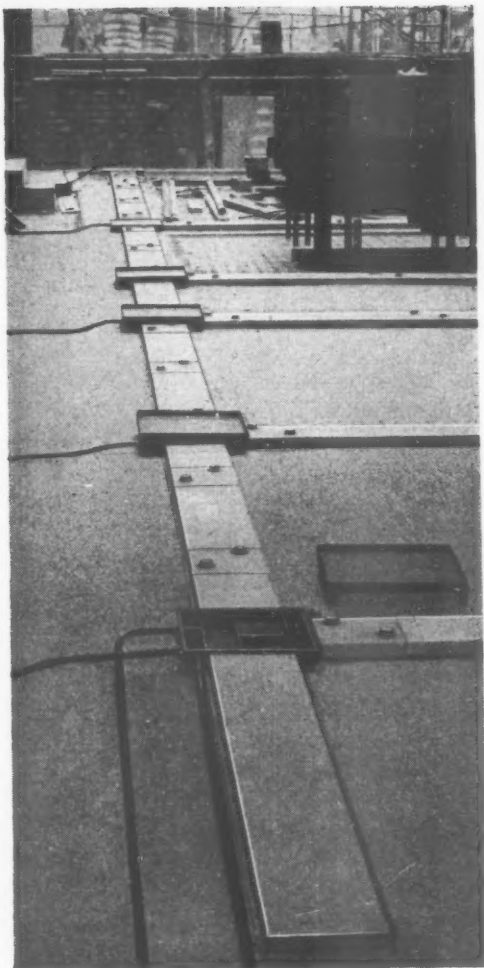
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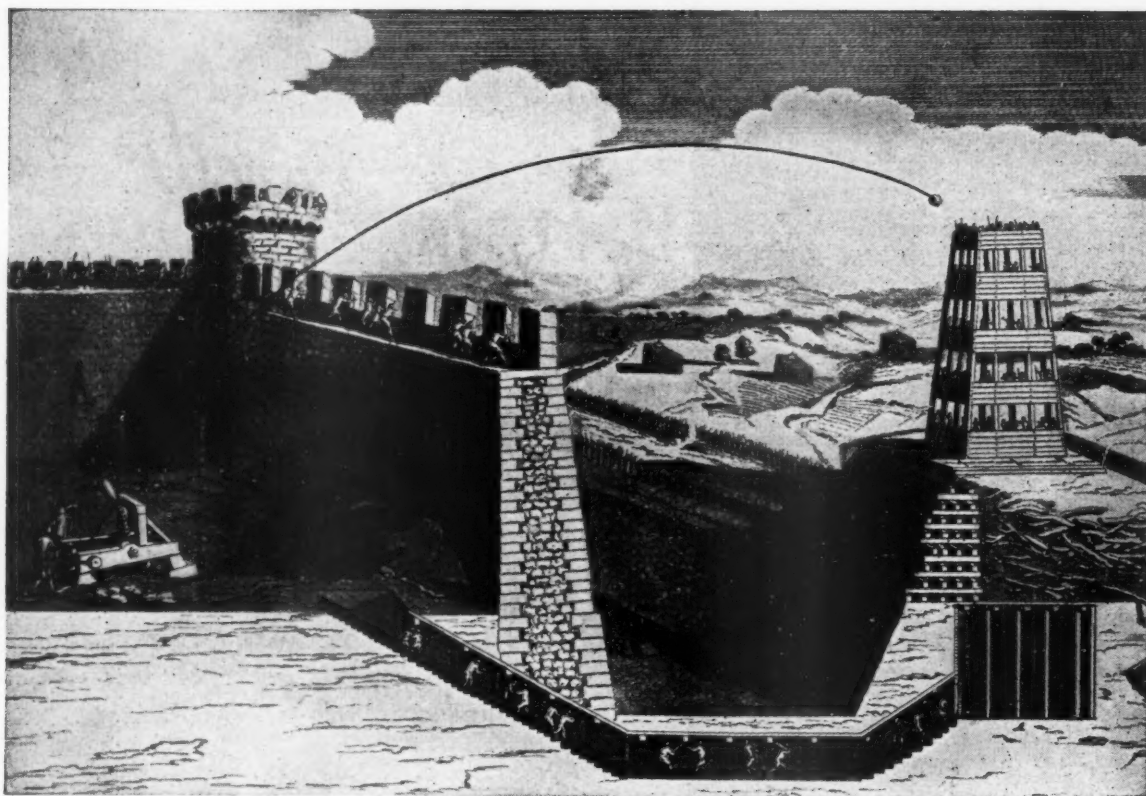
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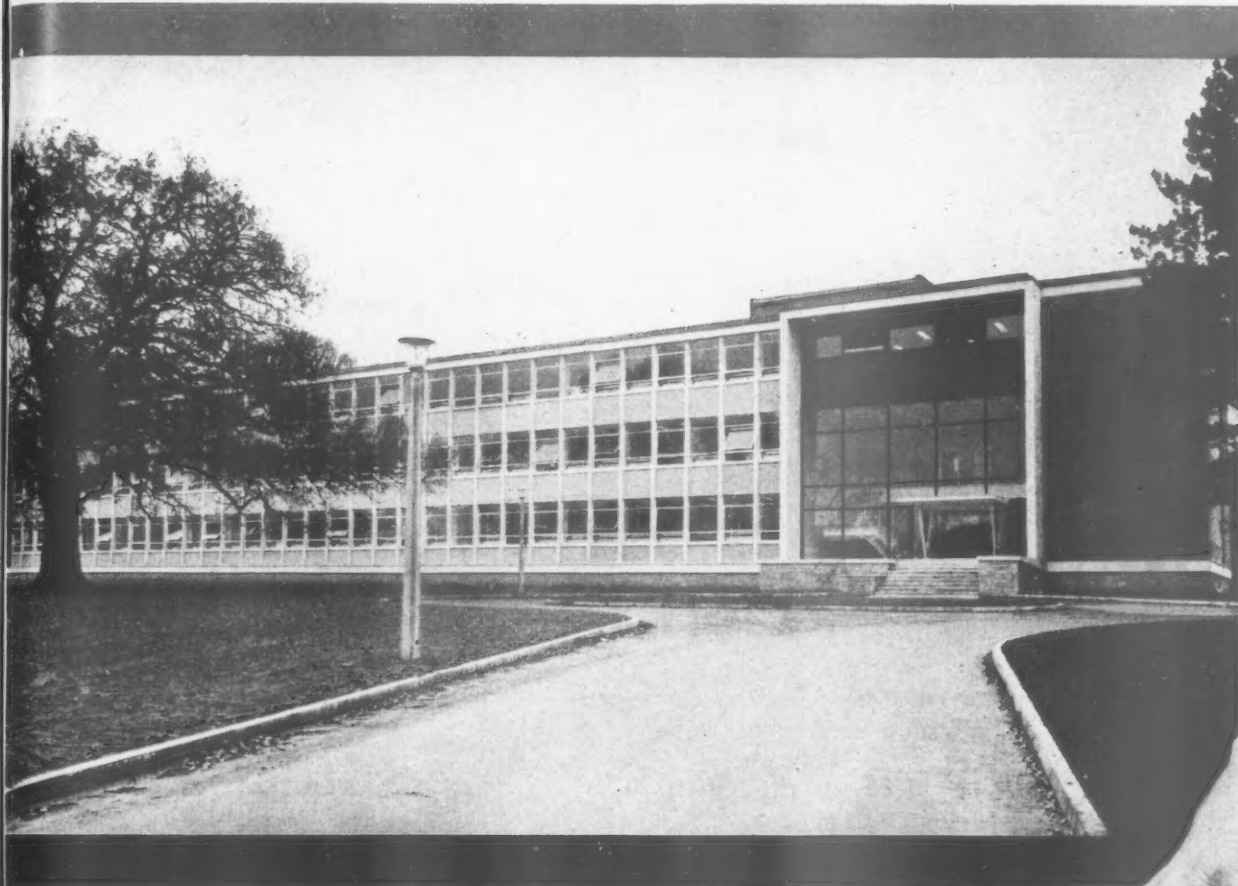


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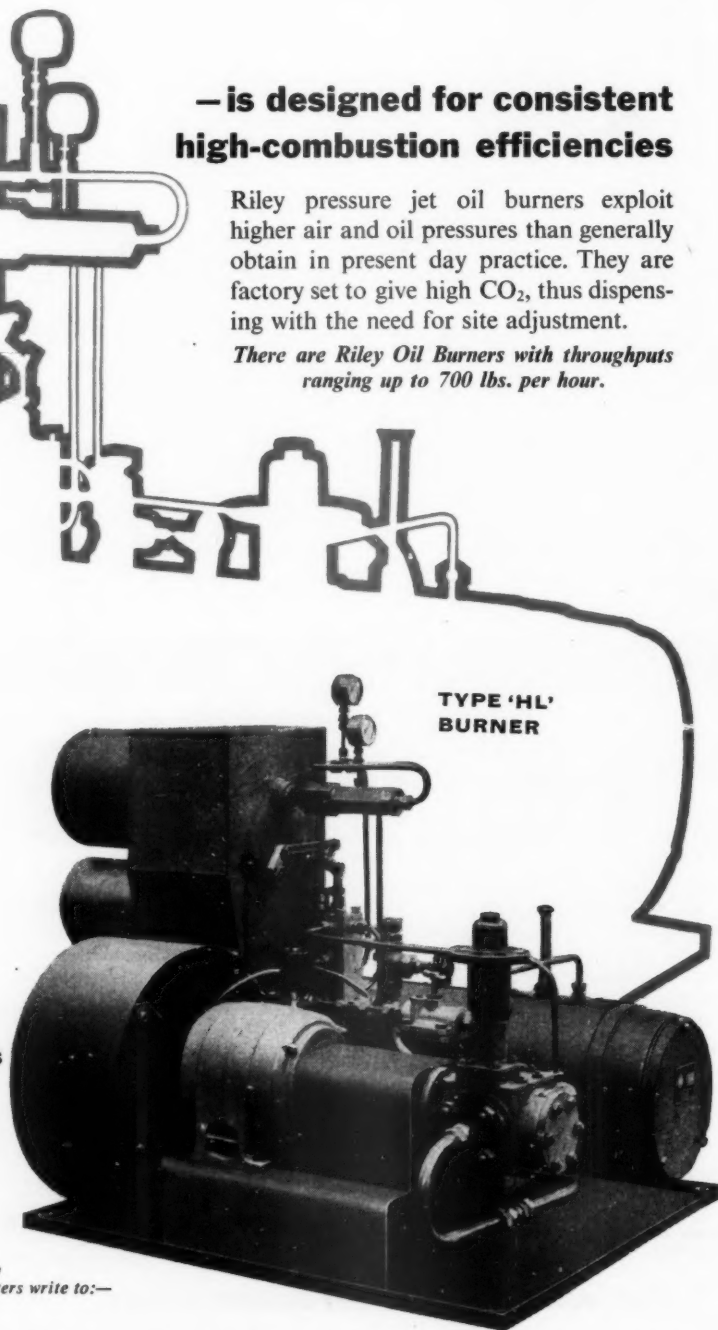
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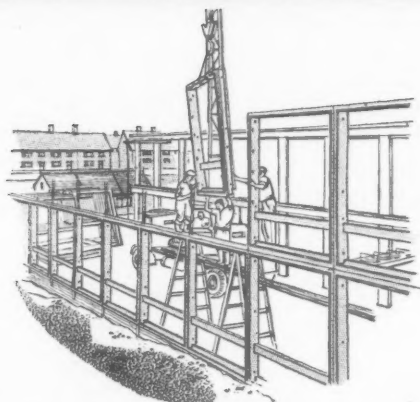


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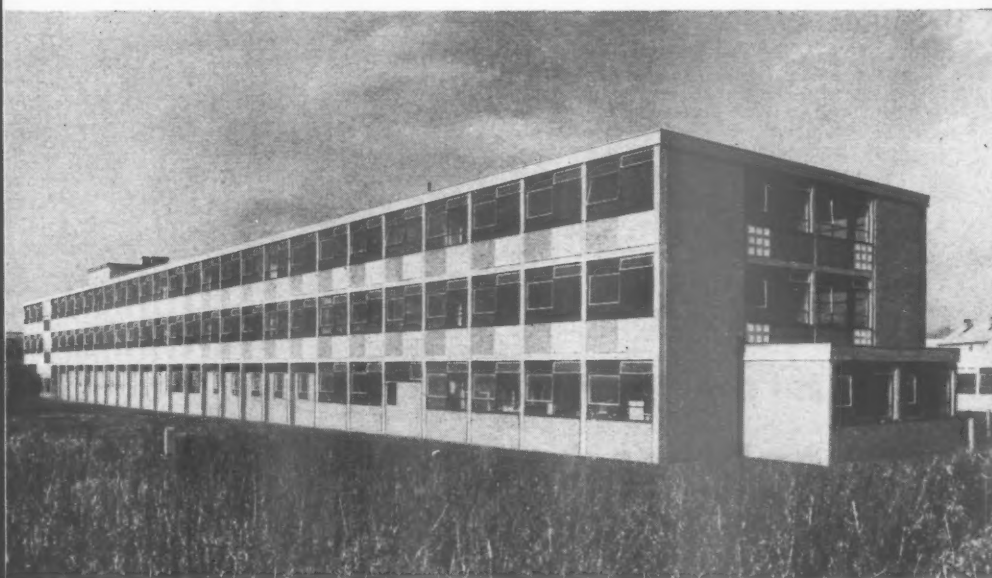
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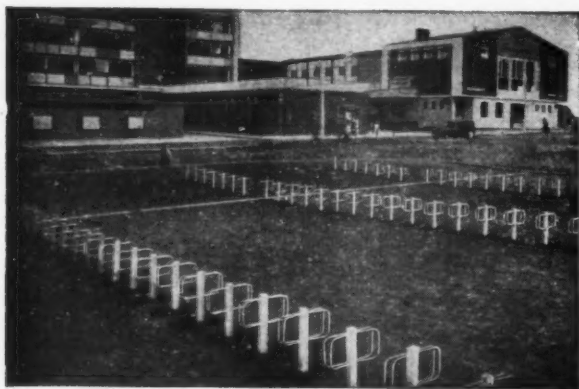
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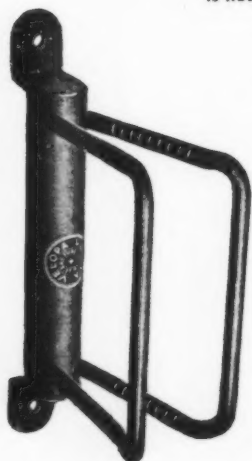
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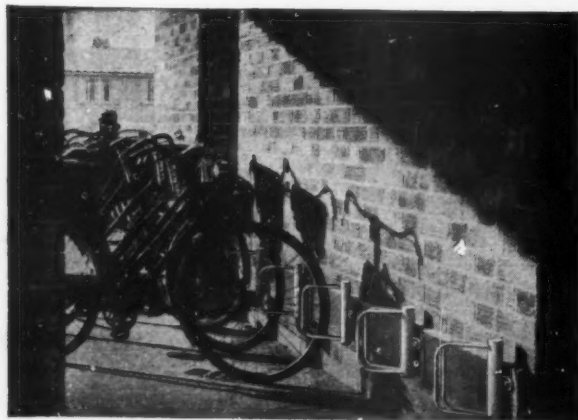


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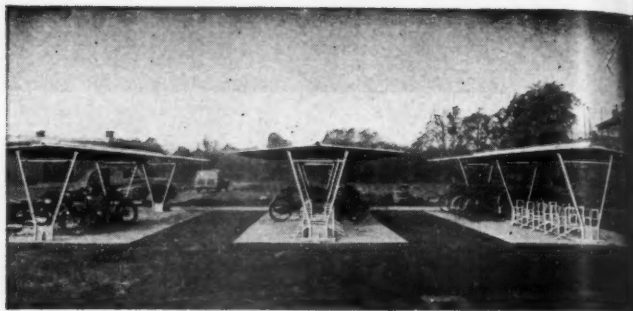
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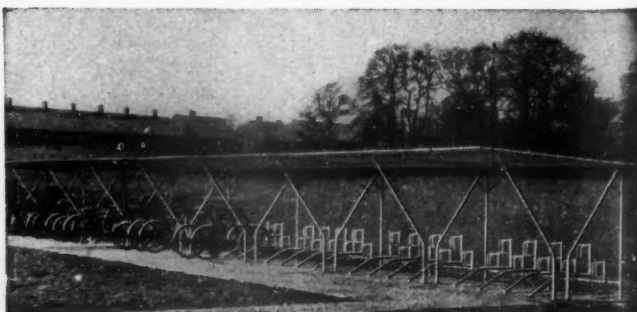
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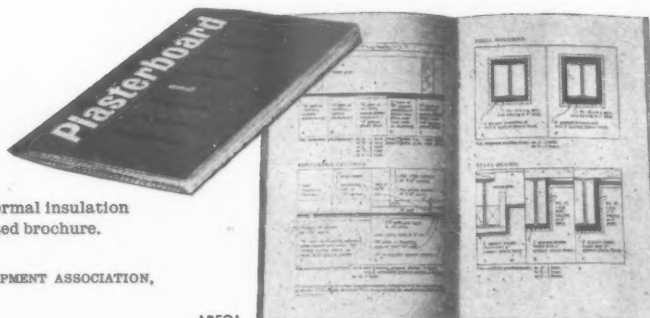
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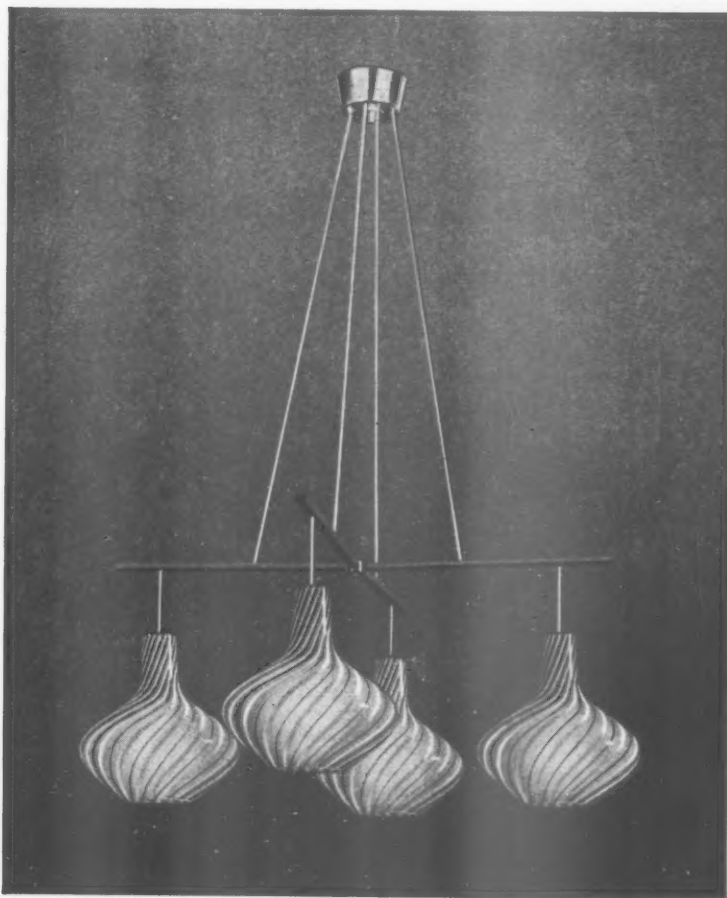


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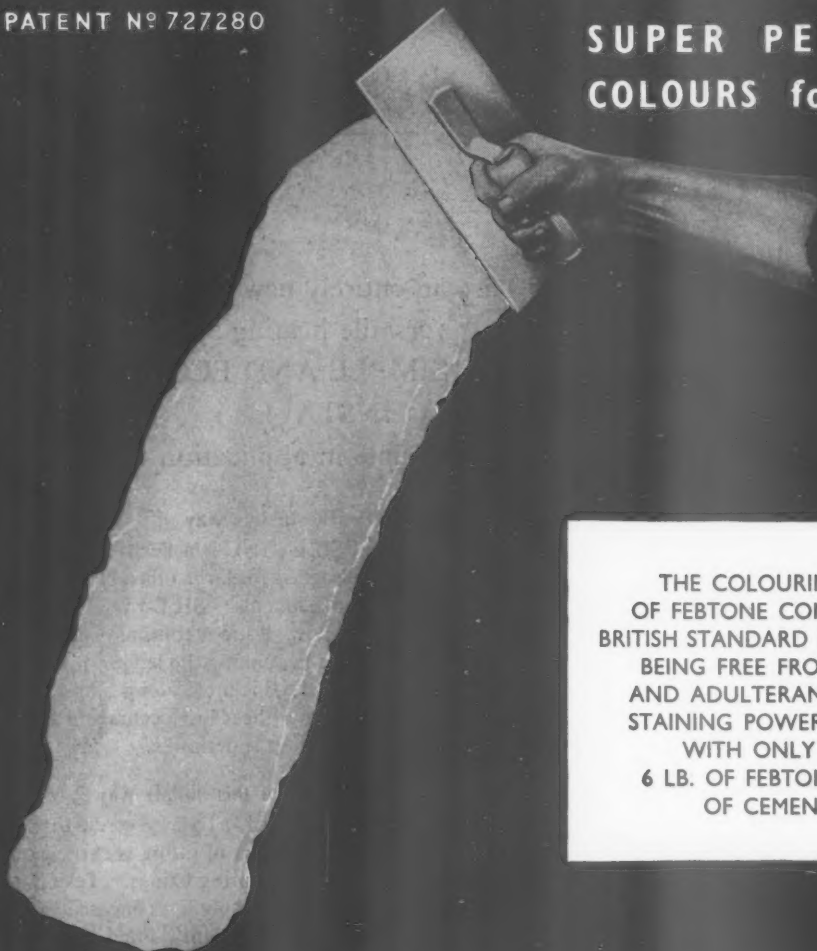
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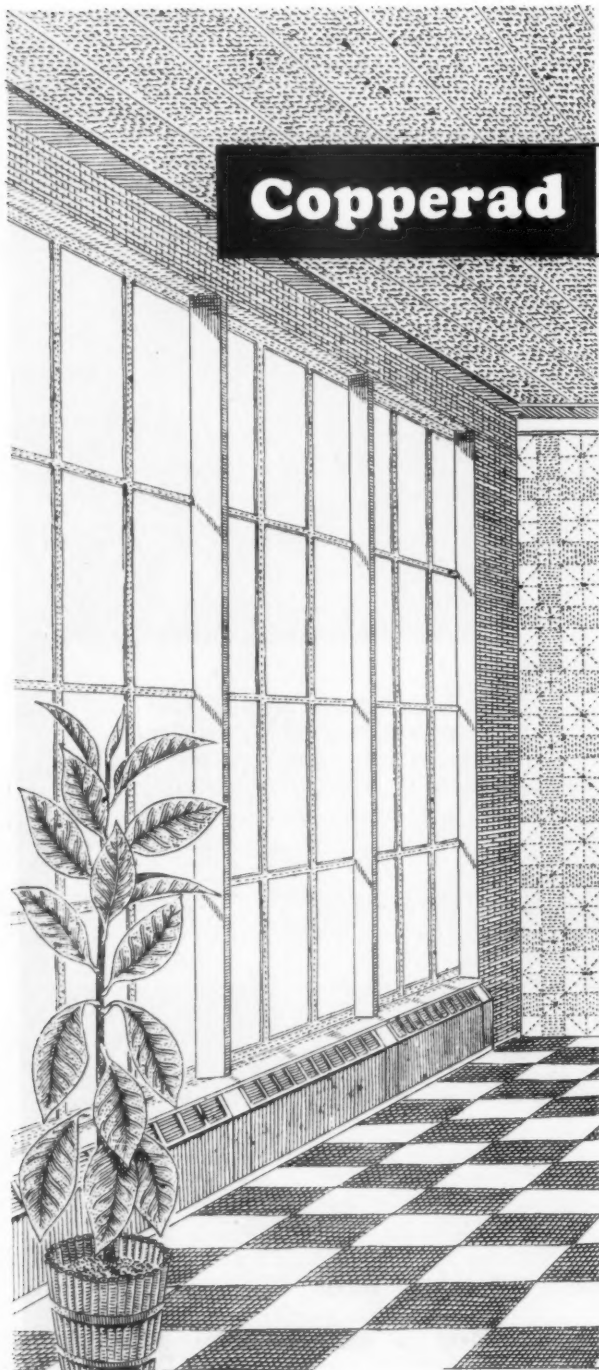
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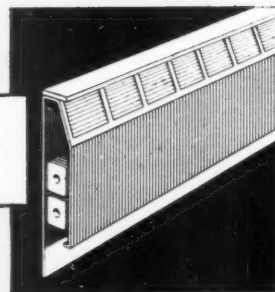
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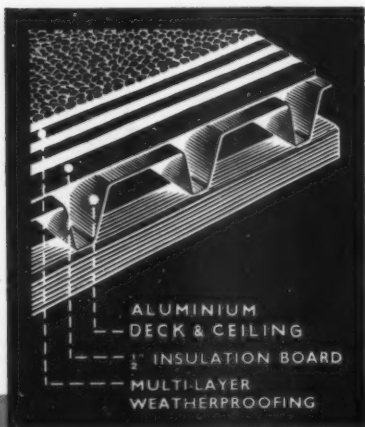
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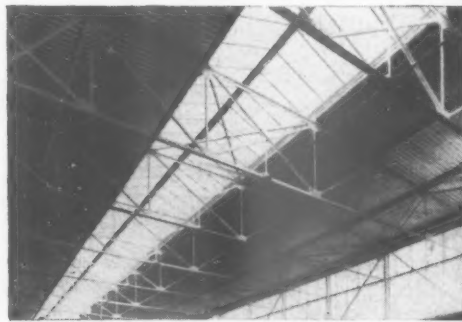
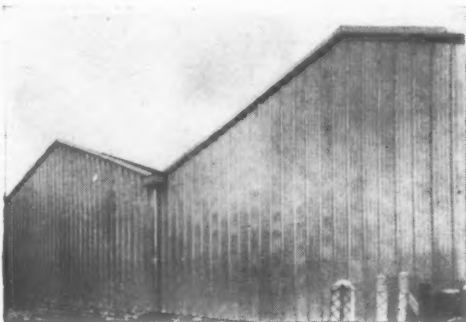
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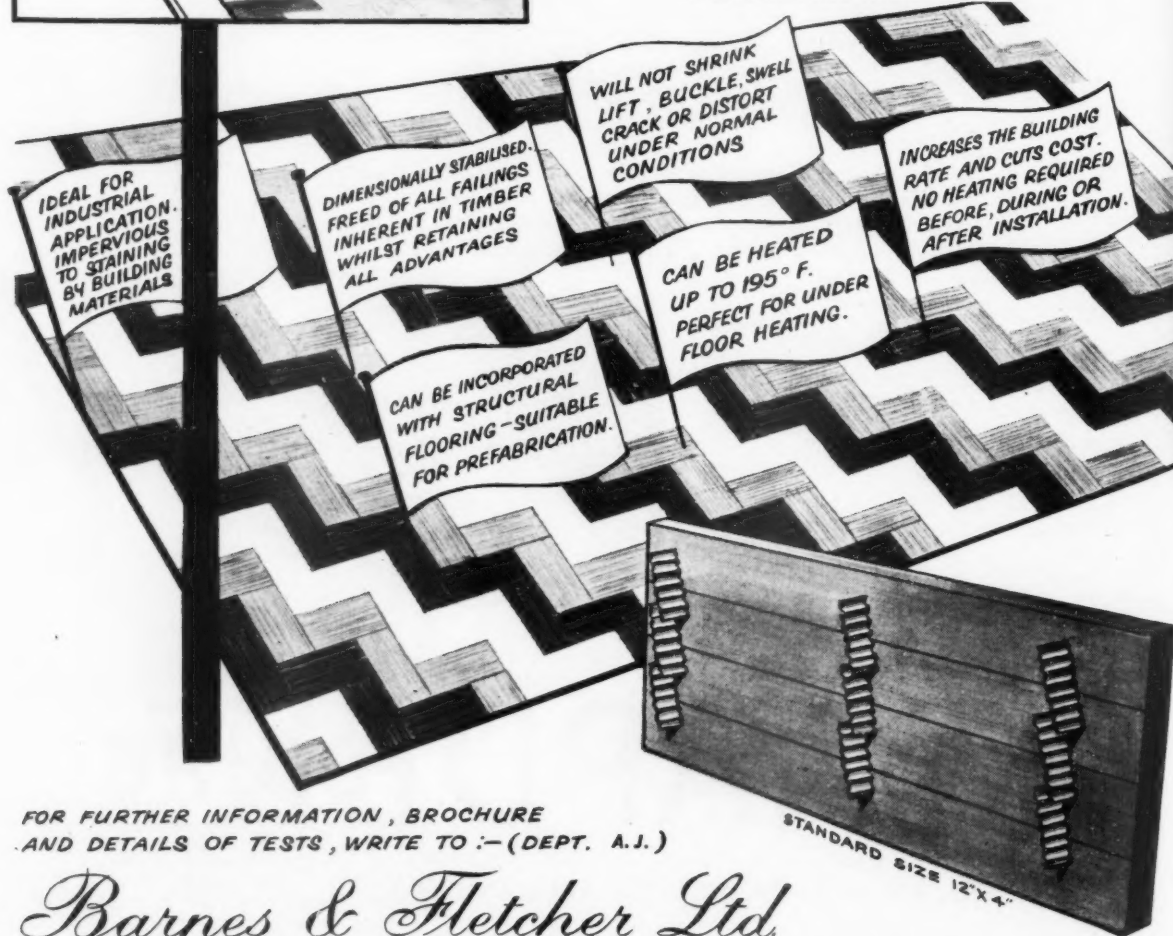
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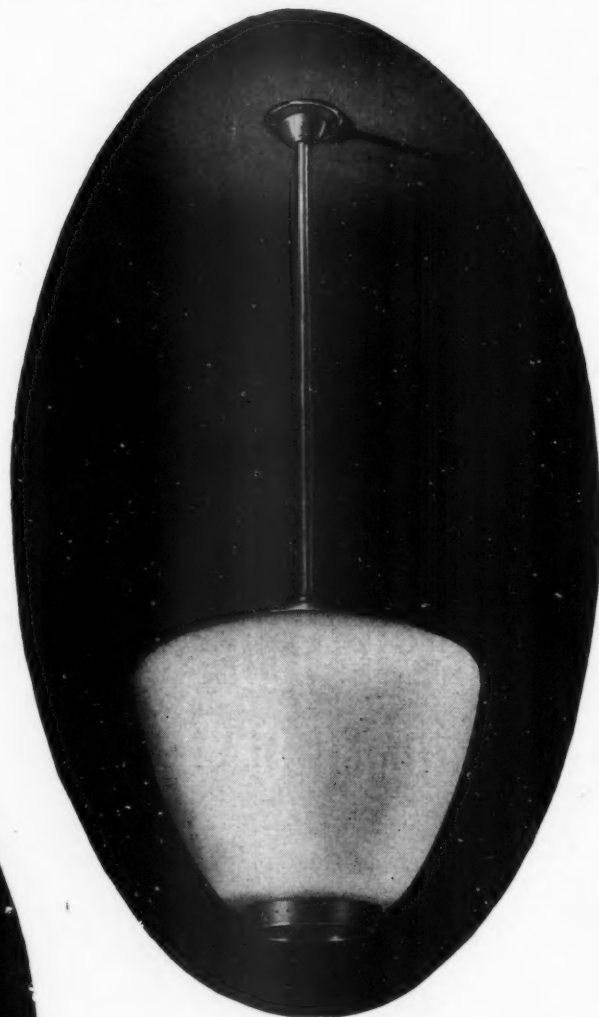
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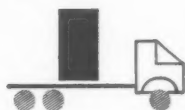
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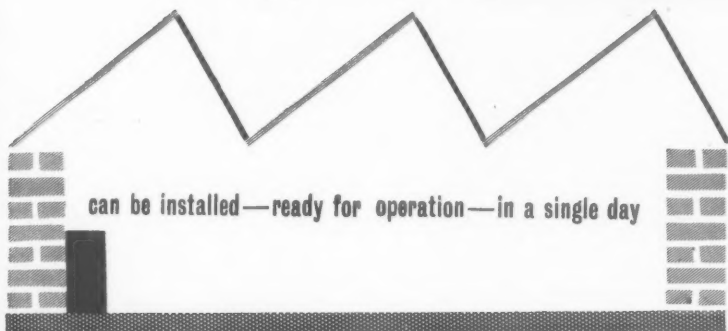


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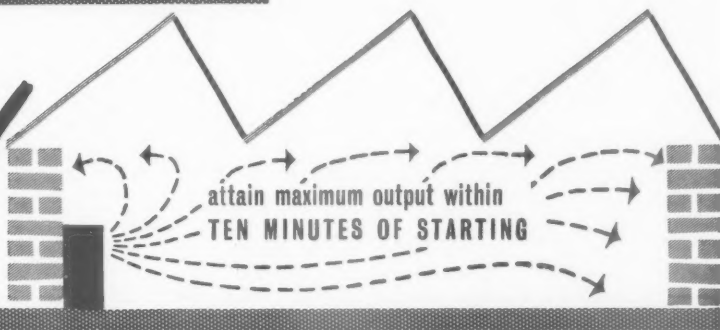
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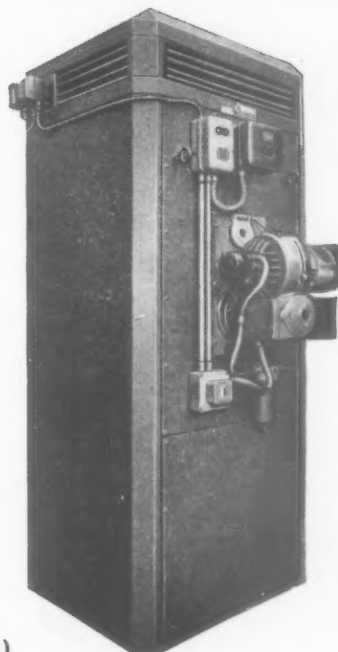


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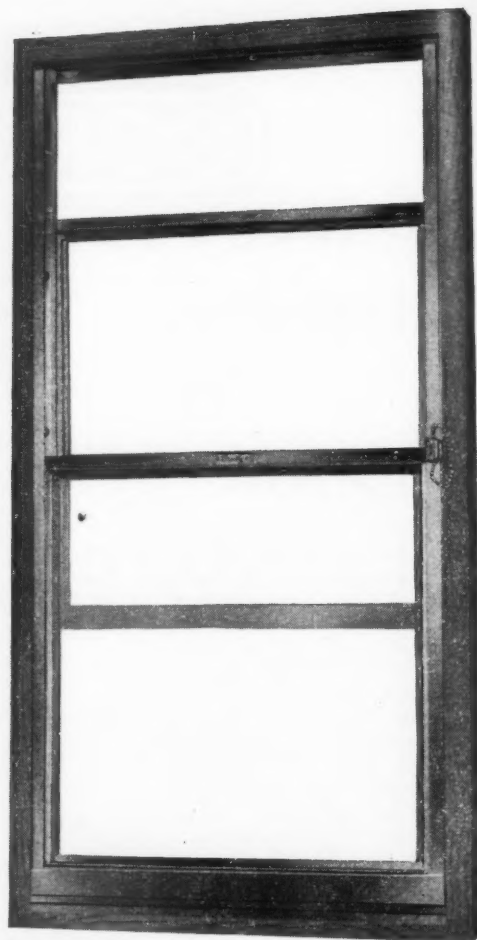
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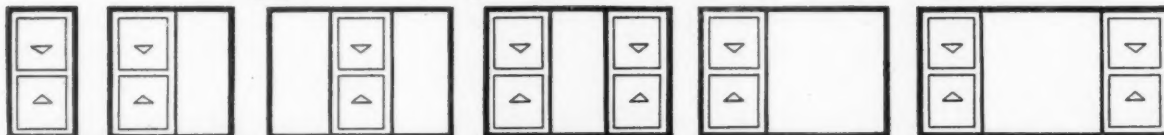
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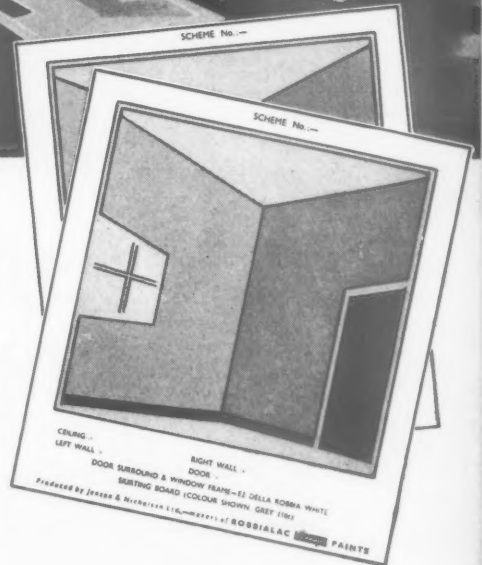
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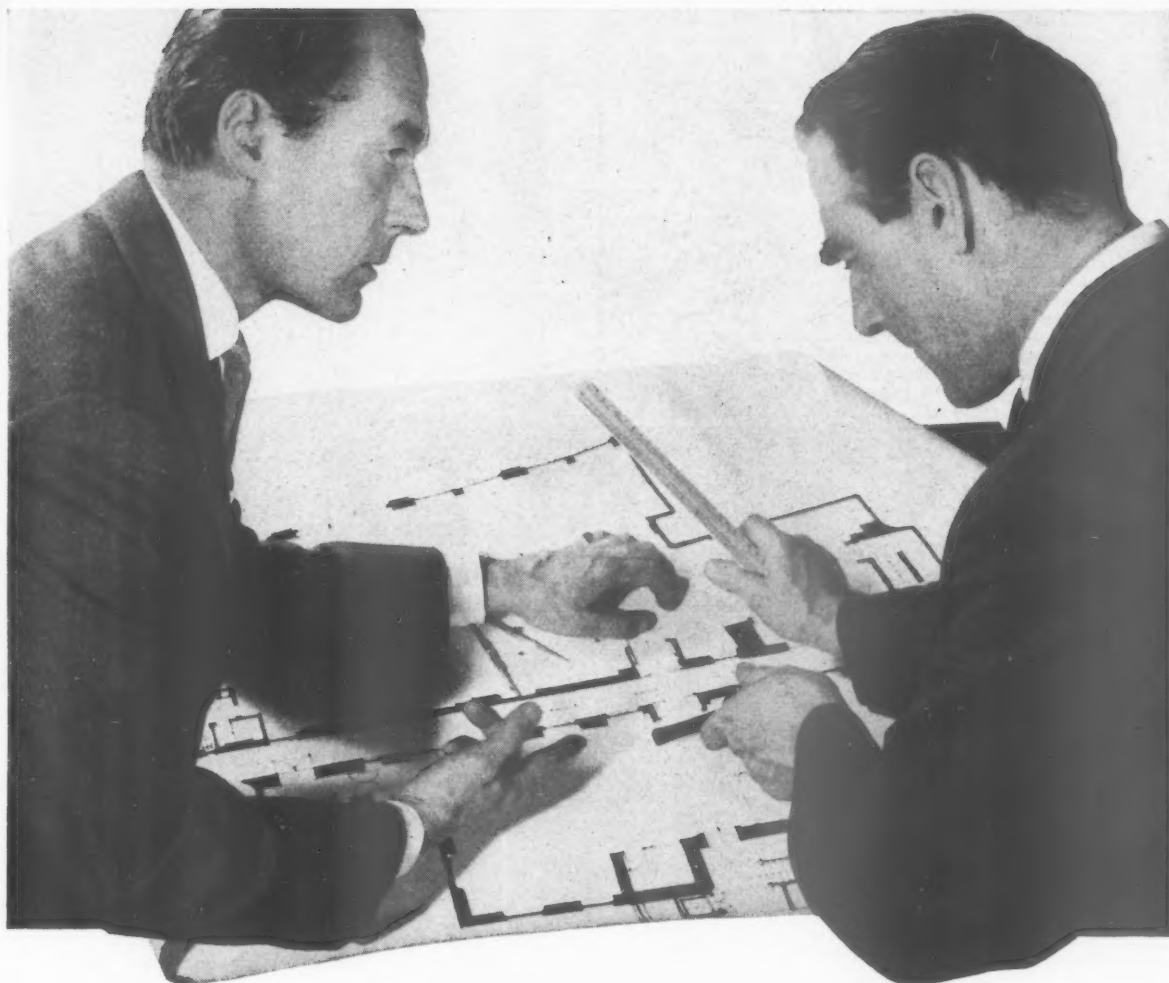
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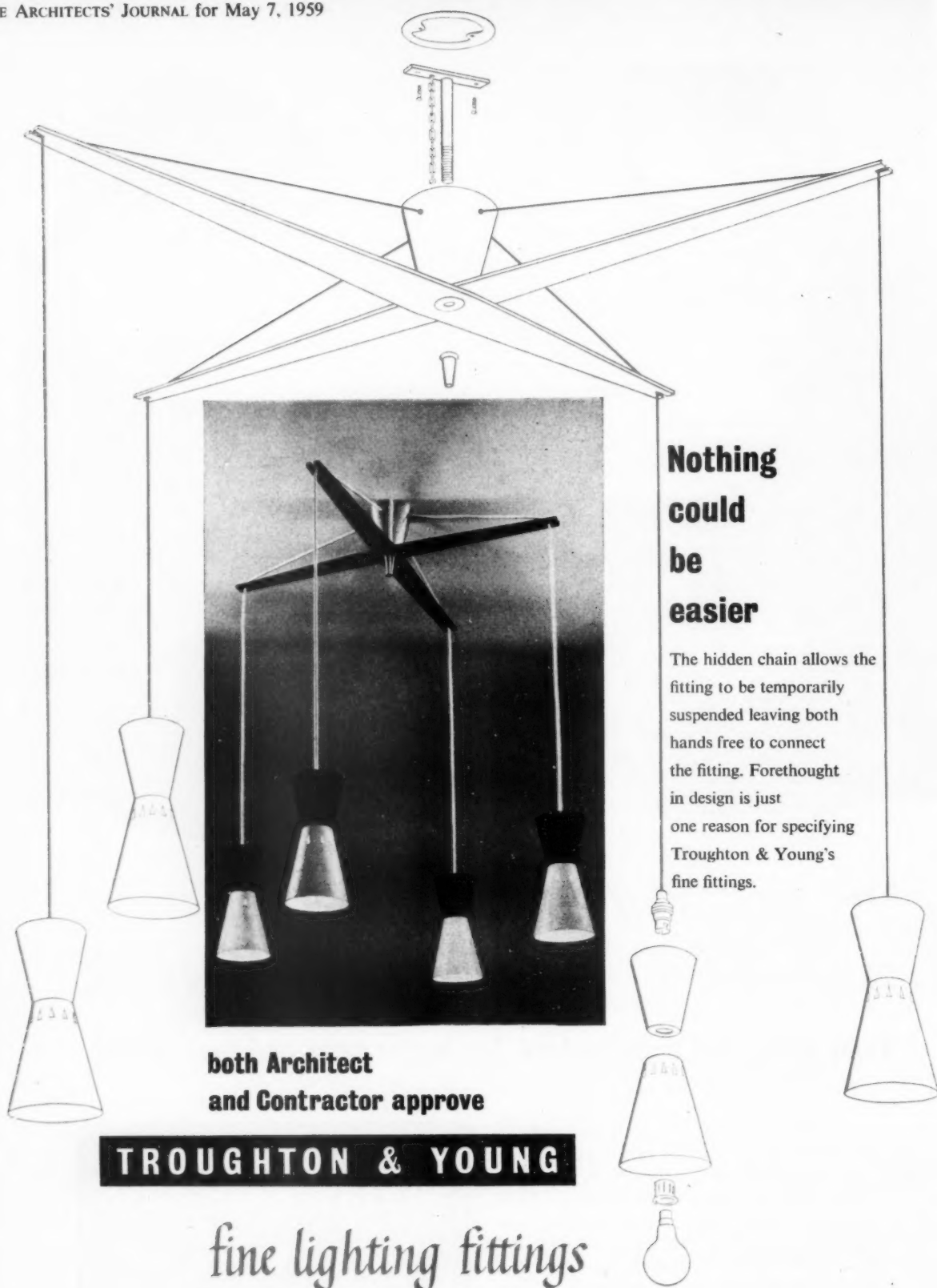
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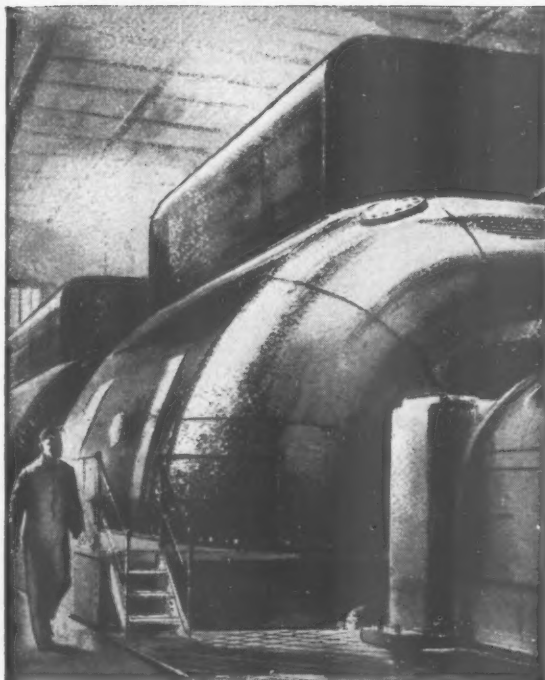
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The development of nuclear energy for generating electricity is still front-page news. Less publicised, though no less outstanding, are new developments in "conventional" generating plant. The turbo-alternator shown here is a 550,000 kilowatt unit - twice the capacity of the next largest on order for the Central Electricity Generating Board. It has been designed for the projected new power station at Thorpe Marsh. For Blythe 'B', another new station, 275,000 kilowatt in-line units are on order. They will be powered by steam at 2,350 lb. per sq. in. and 1,050°F, with reheat to 1,000°F.

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The Architects' Journal

No 3349. Vol 129. May 7, 1959

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NOT QUITE ARCHITECTURE

WHERE, IF ANY PLACE?

Osbert Lancaster's serio-comic architectural books have been fizzing away in the general direction of architects, critics, taste-makers (and anyone else who gets between the ordinary man and buildings) since before the war. His latest volume, *Here, Of All Places** is an incorporation of two earlier ones—*Pillar to Post* (1938) and *Home Sweet Homes* (1939)—together with a collection of drawings done after a trip to America.

*

Mr. Lancaster's strategy in these books is to find his building, classify it Linnæus-wise, and then pin it and its typical inhabitants down with a well-aimed drawing and caption. His object in doing this is to provide an architectural equivalent of a bird-spotter's handbook as well as a corrective to the more obvious lapses of sound architectural judgment, such as Art Nouveau or Functionalism.

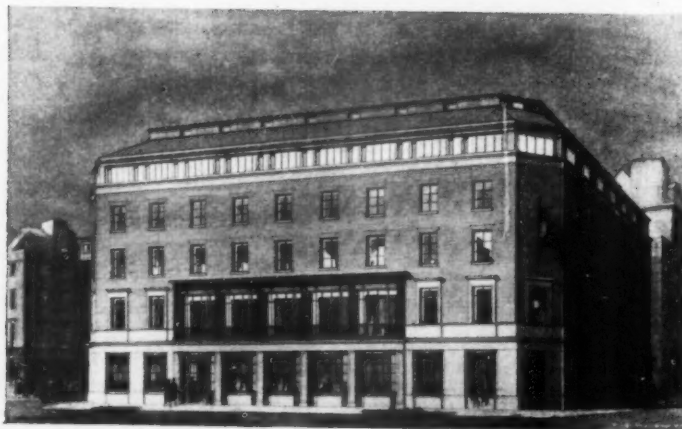
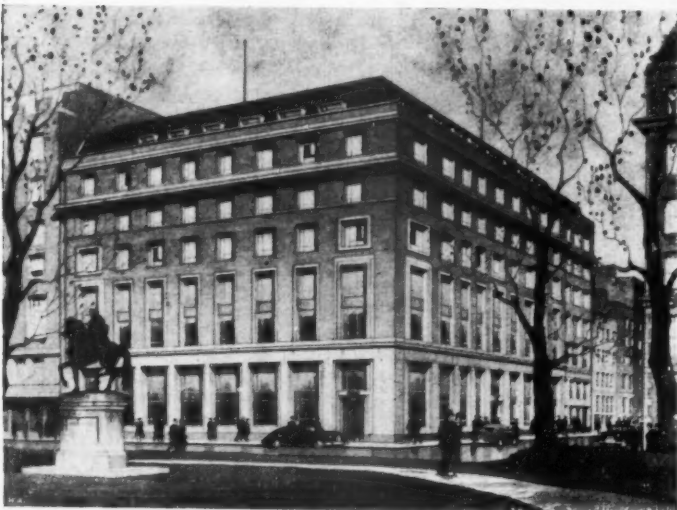
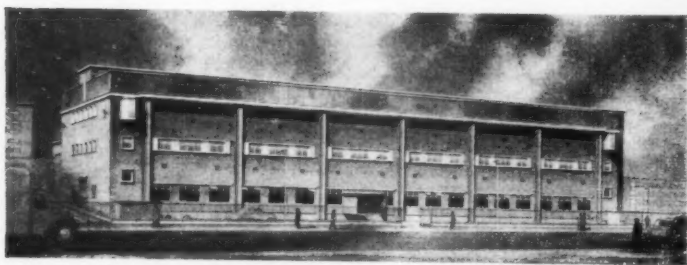
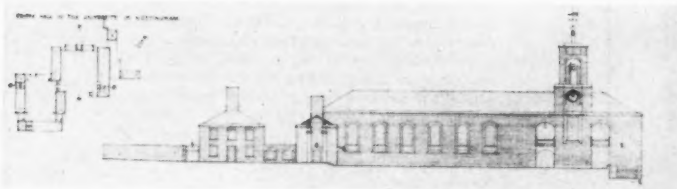
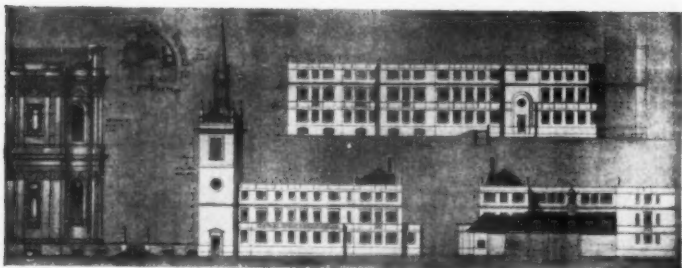
*

Unfortunately Mr. Lancaster's aim seems to be getting increasingly unselective and in shooting at one thing he is likely to take the corners off neighbouring bits of the environment as well. In fact his unselectiveness increases proportionally to the topicality of his material, so that *Kensington Italianate* comes off better than *Wide Open Plan*. An example of Mr. Lancaster's generalization of the present, though not in this book but in the December issue of *Vogue*, is one of his illustrated texts on how the *House & Garden* set live it up at Christmas. The house they were living it up in was a split level supposedly advanced-looking job, but checked against Peter Womersley's split level advanced-looking job in Yorkshire it, and its occupants, appear pretty washed out; the occupants themselves, an uncool lot as tachism-owning will allow, seem to have just blown in from *Twentieth Century Functional*.

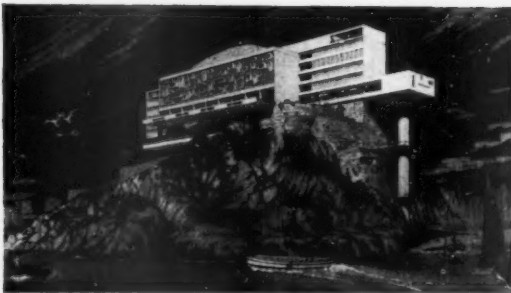
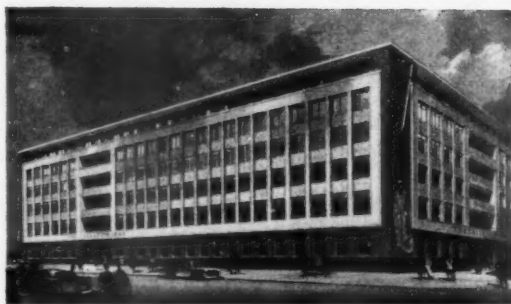
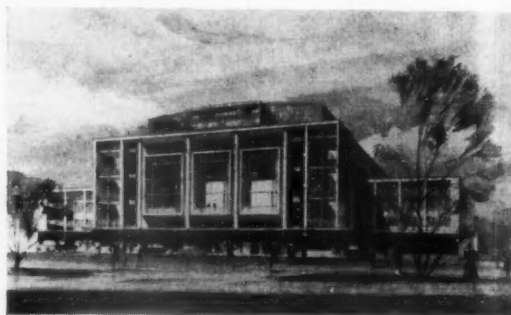
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It is relatively easy to skim the top off *Victorian Gothick* or *Georgian Town* because

* John Murray. 21s.



Preview for Anti-Uglies



The demonstrating bands of Anti-Uglies who include under the term "ugly" those buildings which are designed in an eclectic manner will find this year's Royal Academy exhibition (which opened last week) a good hunting ground for their targets for tomorrow. A selection of designs liable to be attacked are shown here. Left, from top to bottom: A design for a new choir school for St. Paul's Cathedral by Lord Mottistone, which is remarkably undistinguished even in the idiom in which it is designed. Cripps Hall, by Donald H. McMorran, A.R.A., for Nottingham University. An extension to the Printing Works, Debden, Essex, by Sir Howard Robertson, R.A. A building, purpose unexplained, in St. James's Square, Westminster, by Mewès and Davis. Stone's Chop House, Panton Street, London, by Sir Albert Richardson, P.P.R.A. Above, from the top, three cliché-ridden essays in the new-fangled modern style: New Public Halls for Croydon County Borough by Robert Atkinson and Partners. The rebuilding of the Salvation Army headquarters in Queen Victoria Street, London, by Hubert and Martin Lidbetter. Gibraltar's International Club Casino by Tripe and Wakeham. Other designs hanging in the Royal Academy, some of which are also open to criticism, are shown on pages 690 to 694.

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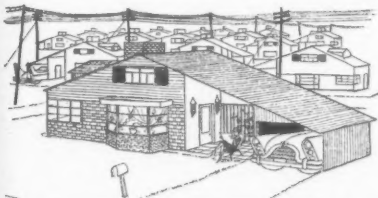
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the weight of interpretation is already done, and a day or two in the V & A library should be enough to brush up the details. On the other hand to be as sharp with modern means that, you must, before anything else, be alive to the rapidly changing styles and habits of the present. A large part of the work of any social satirist, which is presumably what Mr. Lancaster is, is as a definer of peer groups and to do that one must be able to select the significant things from a mass of insignificant ones and know precisely what is "in" and "out" in terms, not of 10's of years so much as 10's of months. It isn't that people don't read *Encounter* or have rubble walls any more (as the H & G family do) but that there are other things Mr. Lancaster could have given them which would have contributed towards pinpointing a particular moment, as for instance, Fieffer does in the *Observer*.

Partly for these reasons and partly from an ingrained leaning to the 18th Century, Mr. Lancaster's view of modern American architecture is the weakest section of the whole book. He appears to have gone to the States with such a collection of routine preconceptions about the buildings he would find there, that the buildings he did find never had a chance. For instance, in a piece called *Homes on the Range*—better known to filmgoers from *No Down Payment*—where he complains of the ground covered



by American spec' houses, he has been as conditioned by stretched-out real-estate



ads as the Furd family were in a recent number of *Mad*. Unlike the Furds, however, Mr. Lancaster, if one is to judge from



his drawing and the one in *Mad*, never got to see the actual house at all. The ones he did see, apart from such obvious bits as *Liz Taylor Plantation* and *Orson Welles Acquisitive*, are predictably English choices, so much so that one could be forgiven for suspecting that he never crossed the water at all. With a basic movie-list he could have saved himself the trouble and stayed in Leicester Square.

ROGER COLEMAN

The Editors

INFORMATION FOR THE ARCHITECT

IN this week's issue (see page 695) the AJ Research Fellow, Dargan Bullivant, argues the case for a single comprehensive information service, not only for architects but for all engaged in building. While agreeing with his fundamental thesis that there is need for a co-ordination of effort among those who produce information for building, it may be doubted whether a single publishing source is the correct answer. It is significant that the countries which have chosen this answer are those where there was no adequate technical press and where the option, therefore, was for having information in this form or not at all. There are certain disadvantages inherent in limiting publication to a single, authoritative source, as those who have to do with official publications will realize. The tempo of this kind of publishing must always be considerably slower than the industry requires; and it is able, generally speaking, to deal only with facts which have attained a high degree of certainty. There is a good case for forming a Building Information Council of the kind Dargan Bullivant suggests, but this Council would surely be well advised to make the best possible use of existing publishing media and not to attempt to replace them entirely by something of its own.

THE OPERATIVE WORD

The architect probably thinks of trade unions only when a demarcation dispute brings work to a standstill or a contractor cites "labour troubles" in defence of a claim. It is generally accepted that unions exist for the collective defence of wage levels, and to cope with the complexity of extra payments and working conditions. This function of a union was called into being by the appalling exploitation of the 19th century and has remained roughly complementary to the employer's attitude to his men.

But the recent operatives conference on "New Techniques" struck rather a different note. Many delegates realized that the old craft system of organizing labour (like the trade bill of quantities) no longer matches modern methods of building; that the defensive role of the unions while still necessary is no longer enough. There was considerable support for the idea of a special committee (with professional representation) to re-think union structure in terms of the scientific, design and organizational aspects of building—with particular attention to training. The NFBTO has for too long been only a federation of separate unions (each fighting for itself) without the unity or authority vital to a collective, constructive development of building work.

If the mood of the Conference has real meaning it comes at an apt historical moment: architects themselves are waking up to the organizational and economic aspects of their work and training. A small but increasing number of builders are

taking on almost a functional approach; an enlightened labour policy and a genuine concern for proper training. When operatives ask themselves the why and wherefore of new techniques they are groping very much in the dark. The RIBA would be wise to offer a helping hand, possibly by negotiating for a joint consultative committee of architects, operatives and employers to study problems which the architect, often unwittingly, creates. There would be no short-term advantage to the architect in this, just more work, but that is the role of a leader in the building team.



NO MORE BILL PASTING

The RIBA's amendment to the Town and Country Planning Bill, moved by Lord Silkin in the Lords, was rejected by a big majority. This was inevitable: the Government clearly doesn't intend to foot the bill for making local authorities buy land at current market value. But Lord Kilmuir, the Lord Chancellor, while yielding—as he put it—to no one in his admiration for the RIBA, nevertheless criticized them on two counts. The first was that they had failed to communicate their objections to the Bill to the Government. This seems to be a perfectly legitimate criticism, and suggests that the RIBA were unwise to refrain from public criticism in the belief that this would be “political.” Lord Kilmuir's second criticism was that the RIBA were not qualified to make recommendations on the division of financial responsibility between Government and local authorities.

Well, of course, city, borough and county architects are perfectly familiar with the harmful effects of financial policy on sound planning and architecture. But Lord Kilmuir himself is a babe in the planning wood; for he brushed aside all the experience accumulated by Uthwatt and others and declared that zoning in development plans depresses values rather than enhances them. Some land *can* be “blighted” by planning. But agricultural land zoned residential or industrial leaps in value. If it does not then why should Lord Kilmuir object to land being acquired at its existing use value?

MAYOR'S NEST

Sir Harold Gillett, the Lord Mayor of London, speaking at the lunch given in his honour by the LMBA last week, said that the City was going to occupy a greater position in world affairs. This is encouraging (if the City's influence is beneficial) because, in recent post-war years, it has been rumoured that the City's power is waning. Sir Harold complained that the rebuilding of the City was taking place too slowly—“we should have had more than we've got”—and said that visiting tourists, who are worth £100m. a year, “want to see something for their money.” He is living in a fool's paradise if he imagines that any perceptive tourists are going to study City offices as we study American, Italian or German office blocks. In the Barbican area the City has a last chance of giving a world lead in central area redevelopment. If the Lord Mayor wants to give tourists something to look at, why doesn't he take a fortnight off and study foreign work and then, aiming to improve on that in terms of traffic segregation, multi-purpose development and so on (one day of the fortnight should be spent with LCC chief planner L. W. Lane), devote his next year of office to

beating some sense into the heads of his Councillors and City Fathers?

WHY WAIT TILL NOVEMBER?

Architects who shirk footslogging at the Building Exhibition can get a good look at what's new in the way of smallish building components by going to an exhibition called “New Building Materials” at the Building Centre. The Centre's spies have managed to run down over 80 new items—“new” meaning (with one hoary exception which it would be unkind to mention by name) anything that has come into production during the last three or four months. Among them is a fair sprinkling of what would seem to be non-starters, but at least there are signs that the tempo of inventiveness among manufacturers is speeding up. The most interesting exhibits are two makes of horizontal, sliding lift-out windows; the most revolutionary is a 15-inch high w.c. pan (usually you expect 16 inches). The show is worth a visit if you can make it. If you can't don't worry, because Brian Grant will be picking up anything there that he hasn't described before in next week's “Industry.”

CHURCH RESEARCH

The New Churches Research Group has sent me an advance copy of its first publication, a business-like guide to over 140 modern French churches* printed, I am glad to see, on one of the “A Series” paper sizes. The president of the non-denominational group is Bishop of Llandaff, its vice-presidents include theological scholars and architects of known modern movement opinions. Membership of the group is open to all, and if you want to know more about it you'll find a note on page 687. Another organization called the Church Design Group, opened its first exhibition† at Reading last week. It is made up of an architect, a woodmaster (I quote), a silversmith and three other people. Its intentions, set out in a small publicity folder, might at first appear to be similar to those of the other group I've mentioned. But the exhibits are precisely what the NCRG is trying to avoid—“the ephemeral products of passing fashion.”

* New Churches Research Group No. 1: *Guide to New French Churches*. Available on application to the Hon. Secretary, NCRG, 10A, Dacre Street, S.W.1. Price 2s. 6d., issued free to members.

† On the premises of W. H. Ryder & Son, Randolph Road, Reading; open until June 20.

BUILDING PROBLEMS

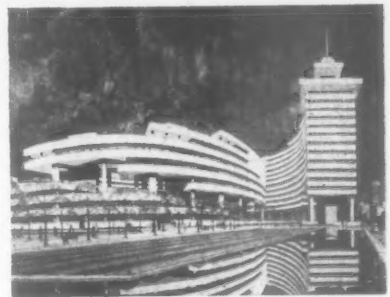
An incidental, surprising, and very disappointing item of news that was revealed at the AA last week during a discussion on the building industries' problems was the fact that the AA Council had withdrawn from the negotiations with the Ministry of Education and LCC to participate in a college of building in which architects, engineers, and builders were to be trained together. This may be either a welcome escape or a disaster for the AA—time will tell—but it is certainly a tragedy for the building industry. This is the second time this idea has broken down. One cannot help wondering why such a good idea should be so hard to achieve. Somebody, or some people, are being extraordinarily stupid.

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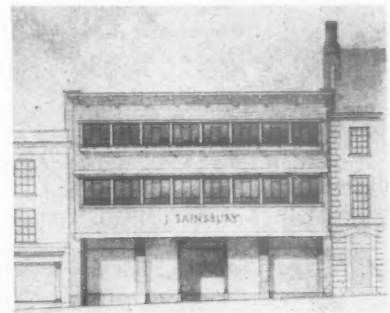
The evening was otherwise very entertaining, and a most useful refresher course on the current issues involving the building industry. Michael Austin-Smith put questions to Peter

French (director, NFBTE), H. S. Oddie (President, IOB) and David Woodbine Parish (builder). Each had first given, respectively, a short comment on the problems, the education, and the economic rôle, of the industry. Competitive tendering was attacked, as usual, on the grounds that builders make little or no profit from it, and as the industry's profit margins are low anyway it has few resources to spend on mechanization and training. The speakers were repeatedly asked how architects could prevent clients (particularly local authorities) from insisting on allowing all and any builders to tender for contracts, and the suggestions offered were: to keep nagging, personal education, let the client learn by experience. There would seem to be, however, a much simpler answer. If architects are agreed that open tendering is wrong they should insist on building firms submitting evidence of their capacity and ability to undertake jobs, and allow them to tender under some form of rota. And if the clients

Four chief architects recently appointed in the public service were entertained to lunch last week by the JOURNAL. In the larger picture below, from left to right, Donald Gibson, Director of Works, War Office, emphasizes a point to W. Tatton Brown, chief architect, Ministry of Health, and Cleeve Barr, chief architect, Ministry of Housing and Local Government. In the smaller picture, H. J. Whitfield Lewis, county architect, Middlesex, with Donald Gibson.



The Royal Academy exhibition is still a display of extremes as these two designs show. Above, a failed entry for the Toronto City Hall competition, reminiscent of early twentieth-century futurism, by J. Bicknell and P. Hamilton, and below, a design for a shop at Bury St. Edmunds by Marshall Sisson, A.R.A., an essay in '30's modernity.



object to this? Then surely it is the moment for the architect to undertake his duty as leader of the building industry and withdraw from the job

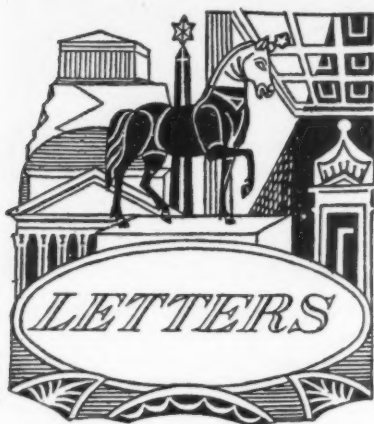


(comforted, of course, by the knowledge that no rival architect would undertake the work without running foul of the discipline committee of the RIBA).

LAST TESTAMENT

Last week ASTRAGAL referred to Frank Lloyd Wright's last book: *A Testament*, and gave the wrong date of publication. It will, in fact, be published on May 11. This book, giving his own account of a long lifetime of experience, will be of great interest and value to all architects.

ASTRAGAL



R. Edward Reynolds,

Student R.I.B.A.

W. Burns, A.M.I.C.E., A.M.T.P.I.

Farmer and Dark, F.F.R.I.B.A.

Col. Sir Stuart S. Mallinson,

C.B.E., D.S.O., M.C., D.L.

Sandwich Course

SIR: Congratulations to G. G. Baines on executing a complete about turn by giving his blessing to Manchester's proposal for perpetuating (with minor alterations) the much maligned part-time educational system. His remarks on the inadequacy of the full-time course as a preparation for the practice of architecture will be met by part-time students with very little surprise: this is something we have been aware of all our architectural lives.

Whether the scheme would be acceptable to principal architects in private practice is irrelevant. To them the inconvenience would be no greater than that which they now tolerate under the day release system. The important issue is whether the scheme would be acceptable to students.

Surely, by the time a student has served five years' hard labour on day release and night school, has acquired possibly a wife, house, and motor-car, he is not likely to relish the prospect of spending nine months playing architects on a major award of not more than £300 a year when he could be learning, and earning, much more in his office. This scheme is only a step in the right direction, which is obviously towards the institution of six months sandwich courses for all students in all schools of architecture. And, of course, as always, those fiendish engineers have beaten us to that good idea, too.

R. EDWARD REYNOLDS

Papplewick

Can Architects Lead the Team?

SIR: How self-centred can a professional institute become? "Ultimately the City Architect should be responsible for city planning: an architect should lead the planning team in the location and design of urban motorways." These are policy statements

made on behalf of the RIBA (according to your issue of April 23) and the arrogance they exhibit is almost beyond belief. How many architects voluble on this topic are in fact responsible for a planning office and know what is entailed?

I have always worked harmoniously with architects as a member of a team and have never found them either more or less competent to lead a planning team than anyone else. I believe that many in Local Government would agree that a planner is a planner and that his other discipline is irrelevant in deciding whether he is competent to lead a planning team. Some architects have a keen design sense, others have not. Some are concerned with economics or sociology, some are not. Some find land valuation or administration impossible but again others are at home in these fields. The same can be said of members of other professions who have become planners.

Cannot we get away from this ridiculous idea of lobbying the public in favour of a particular organization being the spearhead of planning? Almost all planners are members of the Town Planning Institute as well as some other professional organization, and I would suggest that these members talk as planners and members of the TPI when discussing planning and not as members of some other profession. Better still, let us talk about what is good and bad in planning rather than who did it.

W. BURNS

New Malden

Cartoons and Wall Hangings

SIR: Wall hangings have been made from painted cartoons from the Apocalypse tapestries onwards. To infer that it is dishonest for a designer to use one medium and scale to convey his deliberate intention in another medium and scale is absurd, especially in an architectural column.

In this case Geoffrey Clarke used oil paint on brown hardboard (not on white canvas) to convey his intention for a wall hanging in petit-point and the "white edging . . . swirls and dark lines" were as positive as the result, in our view, is successful for its purpose.

As architects for the building, we make no apology for having asked a British firm rather than a French firm to undertake this work under the designer's direction. The British Colour Council's object in exhibiting it before it goes to Kuwait was to show not only to the press but to the trade what such a firm could do, and the details of its making were included by them in the handout for this reason.

The writer of ASTRAGAL (who, as far as we know, has seen neither the cartoon, nor the finished embroidery) criticizes the result on the grounds that it looks more like painting than needlework. Evocative similarities are a matter of opinion and ASTRAGAL is entitled to his, just as other purists may wish to criticize, on evocative grounds, some of the delightful and successful examples of wall decoration now showing at the LCC.

But it is quite another matter whether ASTRAGAL is entitled to use the old brick of unbridled sarcasm directed at a few points

completely out of context, as a means of expressing his criticism.

FARMER AND DARK

London

ASTRAGAL replies: "I saw the embroidery at the BCC's exhibition, but not the cartoon, which was not on view. I asked for no apology for employing a British firm, I am sure their work is admirable. Indeed, so cleverly was the wall-hanging stitched that viewed from about twenty feet it was hard to tell that it was *not* a painting. Therefore why not save eight women's 1,200,000 stitches in eleven weeks interpreting a design into another medium and commission a painting in the first place? Or is that too simple and obvious? Or, if for some reason a painting was not suitable, would it not be reasonable for the artist to pay some attention to the final medium? Such a laborious discipline as hand embroidery calls for masses of detail, not large areas of plain colour."

Timber and Radiation

SIR: Radiation is very much in our minds at the moment, as the recent international exercise on the problems of fall-out has demonstrated.

Anyone who takes this problem seriously may find comfort in the fact that one of Man's oldest friends—timber—comes to his aid yet again by providing a substantially higher degree of protection from radiation than other commonly-used building materials. In its *News-Letter*, dated March, 1959, the Central Electricity Generating Board quotes the following figures for radiation received in the centre of a room in given conditions using different constructional materials:

Material	Radiation Received (in Millirads per year)
Wood	49
Brick	104
Concrete	104
Granite	137 (approximately)

Thus a move from a timber to a brick-built house involves an increase in radiation received corresponding to the local increase following the accident at Windscale in 1957!

We are assured that these levels are not dangerous, and must accept the word of the experts; but the fact remains that wood gives more than twice the protection of other common building materials, and this alone must surely accentuate and quicken the already marked swing towards the use of timber in architectural design.

STUART S. MALLINSON

Woodford Green

DIARY

Cement and Concrete Association Garden Party. At the Research Station, Wexham Springs, Bucks. 6 p.m. to 8.30 p.m. MAY 13

The Work of the Historic Churches Preservation Trust. A Paper by the Earl of Euston at the Royal Society of Arts, John Adam Street, Adelphi, W.C.2. 2.30 p.m. MAY 13

The Living Town: A Symposium on Urban Renewal. At the RIBA, 66, Portland Place, W.1. 10 a.m. MAY 22



URBAN MOTOR ROADS

Minister's Statement on RIBA

Mr. Iremonger (Ilford North, C.) asked the Minister of Transport and Civil Aviation in the House of Commons last week whether he was aware that the RIBA had received

an unsatisfactory answer from the West Midlands and West Riding study groups on urban motor ways, set up by him, to its representations concerning the desirability of appointing architects to these study groups; and whether he was satisfied that adequate attention would be given in future to the danger of the subtopianization of increasing areas of the country.

Mr. Watkinson replied: I fully appreciate the importance of using the best professional advice in this matter. I have written to the chairmen of the two committees referred to, suggesting that they might consider associating an architect or planning expert with the work of their committees from an early stage. The committees are, of course, local authority committees, and not responsible to me.

Mr. Iremonger: The relationships between the architectural bodies and the local authorities do not seem to be happy? Will the Minister use his good offices to see that

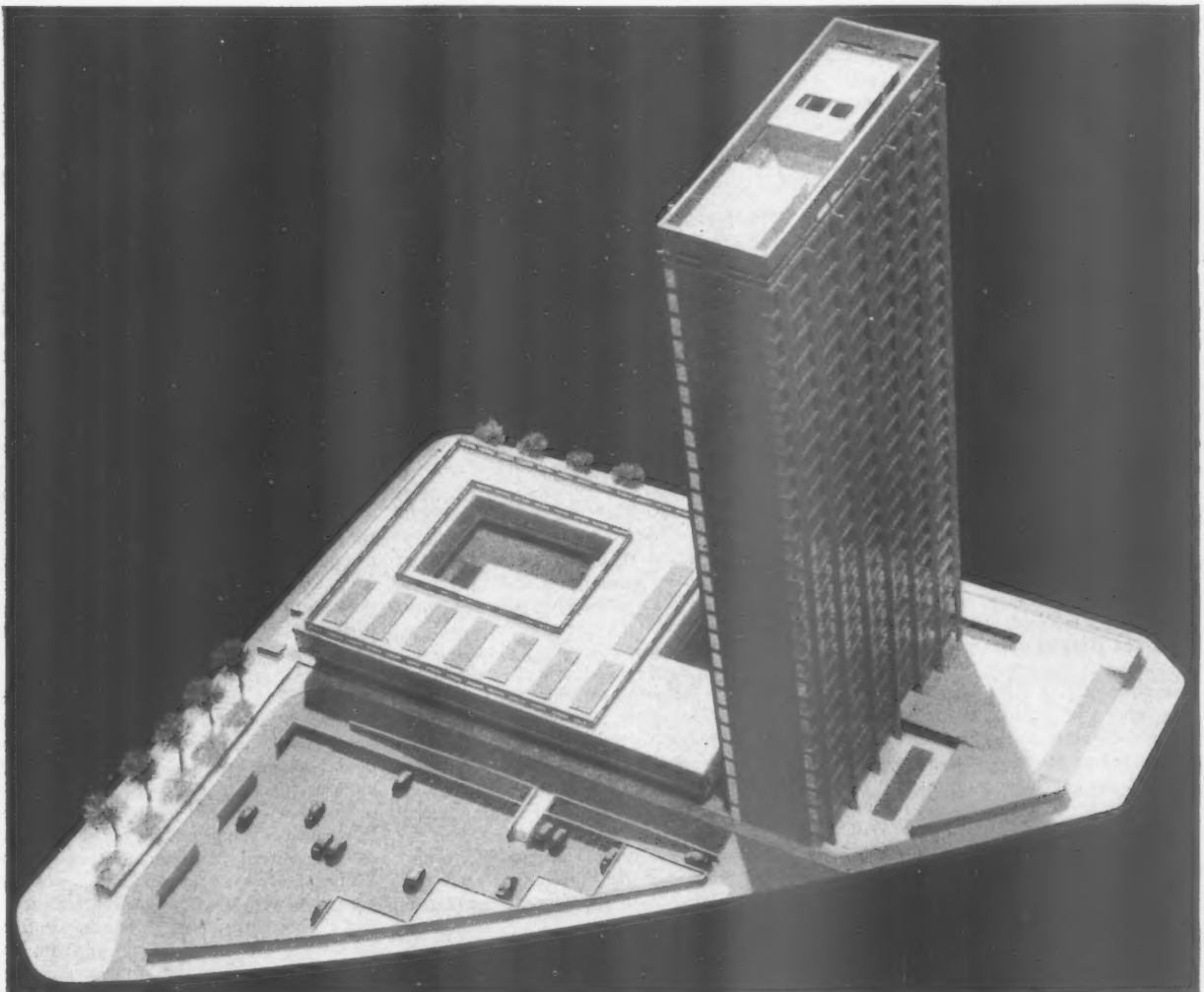
things are smoothed over throughout the country?

Mr. Watkinson: I am aware that the professional architectural associations feel that their advice has not been sought as much as they would like. It is the wish of myself and my department that we should use their advice as much as we can. We shall need all the advice we can get if we are to solve, particularly, the urban road problem. So there is no lack of good will on the part of the Ministry.

Mr. Gresham Cooke (Twickenham, C.) asked the Minister of Transport on what trunk road and motorway projects, apart from the London-Birmingham motorway, he had consulted the advisory committee on landscape treatment of trunk roads.

Mr. Watkinson replied: Since their appointment in 1956 the committee have considered the proposed lines of route for 17 trunk road projects, and five motorway projects. The committee or their representatives have

The model below is the design by Yorke, Rosenberg and Mardall, the only British competitors in a competition limited to ten architects and organized by Margarine-Union for a Unilever-Haus in Hamburg. The winners were: First prize (DM 20,000), Prof. Hugo van Kuyck, Antwerp; second, Dr. Ing. Helmut Hentrich, Dusseldorf; third, Diplom-Ingenieure Gerde Pempelfort, Ingeborg, and Friedrich Spenglin, Hamburg. The winning scheme had a slab block. The report commended the siting and silhouette of the British design, the relation of the high to the low block, and the organization of the plan, but added that the proportion of usable area was low and did not comply with the promoters' wishes.





also inspected 28 schemes at a later stage in order to consider landscaping treatment. I am very grateful to them for the great contribution that they are making to the amenity aspect of our new road system. It is our policy to consult the committee at all appropriate stages, but in the early years of the road programme, as the committee appreciate, it was not possible, without seriously delaying schemes, to give them a full opportunity to consider all lines of route for which plans were already far advanced or were of special urgency.

AA

President, 1959-60

H. T. Cadbury-Brown has been elected President of the Architectural Association for 1959-60. He has been a member of the AA Council since 1953.

HEALTH CONGRESS

Motorways "An Architectural Problem"

Are planners fighting shy of the full implications of motorization because these are too awkward to face? This was the question put to the Health Congress at Harrogate last week by C. D. Buchanan, Principal Inspector of the Ministry of Town and Country Planning, who gave a paper on "Planning and the Motor Vehicle." Mr. Buchanan said that he inclined to the view that planners were fighting shy of this problem, not only because it involved finding vast sums of money, but also because it involved admitting that a startling new social habit had emerged that had killed much of the traditional form of towns.

Mr. Buchanan also posed another question, whether contemporary planning techniques—diversionary ring roads, car parks, road widenings, etc.—could really cure urban con-

Toronto, with a $1\frac{1}{2}$ million population in an area of about 250 square miles, contains the municipality of North York which has about one quarter of the population. In North York there is an open area of about 400 acres of agricultural land and proposals are being made to develop a portion of this as a high-density (relatively speaking, i.e. from 60 to 150 persons per acre) suburban centre. The population proposed is from eighteen to twenty thousand and the cost is estimated at one hundred million dollars. A delegation of Canadian planners, officials and developers briefly visited Basildon, Harlow, Stevenage, Lansbury, Roehampton and Pimlico last week before flying on to Vallingby, Stockholm. The delegation, organised by Impact Ltd., a planning consultancy, also found time to visit the JOURNAL offices where they met some English architects and planners. Above left, John Curtis, chief planning director of North York, talking to Hubert Bennett, the architect to the LCC. Above right, Macklin Hancock, M.T.P.I., Canada, consultant planner to Toronto Industrial Leaseholds Ltd., the developers, with Frederick Gibberd, whose new town of Harlow he had just visited.

gestion. The attitude of planners to this question was, he said, one not of enthusiastic confidence but of resignation. His own view was that while these techniques might keep traffic flowing, he felt much less happy about their ability to rescue towns from the clutch of the motor vehicle and recreate them as centres of civilized life. Indeed, Mr. Buchanan was not very happy about anything, although he disputed the view of one of his critics that he was too gloomy: he was not a pessimist, he said, merely a realist.

He doubted whether planners understood the complex pattern of urban circulation: they seemed to be dominated by the idea that most traffic was through traffic, whereas most traffic was intimately connected with buildings, and the general urban picture resembled a beehive in which thousands of bees were pushing and struggling to get to thousands of separate cells. He found the development plans intensely disappointing for promising so little to ease the conflict between pedestrians and vehicles: there were hardly any true precincts in them, and they offered little hope of any improvement in the unpleasant and dangerous situation on the ribbon-developed radial roads into towns, which combined the functions of through traffic-routes, local development roads and local shopping streets.

Mr. Buchanan's view was that building a limited number of new roads and car parks could not possibly solve the problem created

by very large numbers of people demanding the right to gird themselves with fast-moving and damnably dangerous devices, and to take them everywhere for every kind of journey from domestic errands upwards. "The problem is fundamentally an architectural one, and if we are determined to motorize to the limit, then we shall need a new form of urban environment." A glimpse of the answer could be provided, he thought, by asking what kind of central area would result if a designer were set to work with a clear site, and told to exploit the motor to the full and yet produce a place for civilized life. This was an extremely complicated architectural problem on a huge scale, and however much the plan was simplified a complex building form emerged that was a complete break with tradition. The essence of the solution lay in releasing the whole ground area for motor traffic purposes and in carrying all the shops, theatres, restaurants, gardens and, of course, all the pedestrian circulations on its first floor podiums linked by light bridges from block to block. In standing towns it would be necessary to shift bodily to first floor level much of the pedestrian circulations and the uses directly connected therewith. Mr. Buchanan observed that large areas of many big towns were due for renewal, and urged that if these areas were developed comprehensively, and the design opportunities seized openmindedly and with courage, we might yet master the motor vehicle.

NEW CHURCHES

An Association Formed

The objects of the newly-formed New Churches Research Group, and the reasons for its formation, are explained in the following statement:

The renewal of church architecture on the Continent has been stimulated and guided by the work of centres like the Liturgical Institute at Trier, the *Centre Pastorale Liturgique* and the *Art Sacré* group in Paris. The majority of post-war churches in this country reflect a purely romantic understanding of the Church and the liturgy and are entirely unrelated to the changes taking place in the field of theological thought and liturgical practice. The problems have yet to be stated. The Church has failed to fulfil its responsibility for providing the architect and the artist with an adequate brief.

In June, 1957, a group of clergy and architects, which included Anglicans, Roman

Catholics and Orthodox, met to consider what could be done to focus the present widespread concern at the state of church architecture in this country, and to foster—not least in official ecclesiastical circles—a greater awareness of the true nature of the questions at issue. As a result of this and subsequent discussions it has been decided to form a New Churches Research Group with the following objects:

1. To relate the design of new churches both to modern architectural thinking and also to contemporary biblical and patristic scholarship and liturgical practice.
 2. To undertake a programme of collaborative research and functional analysis comparable with that which has already been attempted in other branches of architecture—notably that of school building.
 3. To make more widely known significant work in this country and abroad and to promote a critical appreciation of it.
- It is recognised that, for the adequate fulfilment of these objects, there is needed a permanent centre, properly staffed and with the financial resources for publishing a

review, mounting exhibitions and building up a central reference library. It is hoped that the formation of the New Churches Research Group may prove to be a further step towards the creation of such a centre. The scope of the Group's activities will depend upon the measure of support that it can command. For the present it is proposed to further its aims by the following means:

1. Publications.
2. A panel of lecturers on all aspects of modern church design.
3. An information and advisory service for those concerned in any way with the building of new churches.
4. Conferences, study-tours and exhibitions.
5. Contacts with similar groups and centres in other countries.

Membership of the NCRG is open to anyone who is in general sympathy with its aims. Annual subscription 10s., associates (no publications) 5s. Hon. Secretary: The Revd. Peter Hammond, 10a, Dacre Street, London, S.W.1.



Working Detail competition

We are always on the lookout for suitable Working Details of foreign buildings. The best way to collect material is to visit a building, examine a detail for yourself, then talk to the architect and look at his drawings. It is not easy for us to do this ourselves, and, therefore, we invite students and architects to help us. If you are going abroad this summer and will have time to do some sleuthing on our behalf, we will make payment on the following terms:

(a) For Students: a cash award plus payment-by-results
We will make a limited number of awards, to an aggregate of £400, with a maximum for each award of £40. To apply for an award write to the Editors,

stating where you are going, what contacts you have in the places you are going to, any particular buildings you would like to detail or architects you wish to visit and how you propose to overcome the language problem. Indicate whether you are asking for an award to travel to your destination and back or to enable you to stay there longer or whether your proposed visit is dependent on an award which will cover all expenses. Applications must be accompanied by a letter from the principal of your School of Architecture or one of the principals of your firm. The choosing of winners is, inevitably, a rather arbitrary business: our criterion will be not your deserving qualities, but the likelihood of your bringing back usable material. Applications must reach this office by the first post on Thursday, May 28. Students receiving awards will have to supply architects' and, if necessary, manufacturers', working drawings and supplement these with a rough pencil sketch of their own with descriptive notes in English and will have to fill in a questionnaire form supplied by us. They will have to obtain a photograph from the architect or commission one from a professional photographer at the JOURNAL's expense. We will pay a further six guineas for any detail published in the AJ.

You are advised not to consider itineraries which are too ambitious. Assembling information for Working Details is time consuming and plenty of time should be allowed in any place where material is to be collected.

(b) For Architects: payment (larger) by results only
We will not make cash awards to architects, but will pay a fee of eight guineas for any detail published, plus expenses incurred in getting photographs whether published or not. Architects are asked to write and tell us their plans before going abroad. The Editors reserve the right to refuse any material submitted.

CRITICISM

A question of silhouette

by J. M. Richards

The built-in bomb-damage that has become fashionable as a way of finishing off the tops of square office buildings must not, I suppose, be too thoughtlessly criticized because at least it represents—or so I presume—an attempt to do something about the problem of the water-tanks, lift motor-rooms and other structures that habitually disfigure the roofs of large buildings. Hitherto most architects have ignored this problem, and indeed have given the impression of a naïve ability to persuade themselves that these ungainly structures don't exist by leaving them off their drawings. Either they also have the ability not to see them when they are up, or they regard them as something outside their control.

So any treatment that includes them as part of the architecture of the building is a step forward. But I am doubtful whether this particular treatment—adding a skeleton storey within which the excrescences are contained, making the top of the building look as though the infill wall had been blown out by blast, leaving only the frame—is the most logical or the most promising one.

For one thing, if the structure is to be taken up an extra storey why not make use of it—or that part of the space within it which is not required for water-tanks and lift-motors? The occupants of this top-floor or pent-house space would have to walk up one flight of stairs and would have to do without water laid on at their level, but that is no insufferable hardship. Leaving the space open to the air cannot surely be justified by calling it a roof-garden? Roof-gardens in London are seldom used, for obvious reasons, and have less to do with the requirements of an office block than with those of most other types. They are an evasion of the problem, like the oddly-shaped areas marked "storage" on insufficiently worked-out plans. Disguised as a practical expedient these exposed frames have more in common with those pergolas, adorned with drooping vegetation, that used to appear on students' drawings of all flat-roofed buildings.

But this fashionable skeletal roof-treatment is worth discussing for more important reasons than the illogical use of space it indicates, because it raises the whole question of the silhouettes of city buildings. We complain about untidy silhouettes, but not because they are irregular; only because they are the result of accident. They show where the building stops being designed. This roof treatment provides a silhouette made tidy by being given an unbroken horizontal line; that is, it is tidied in two dimensions—at the cost of an

accentuation of the third dimension when the top storey is reached, which is usually rather unsatisfactory to the eye and even (if my bomb-damage analogy is accepted) disturbing. One question we must ask is whether this unbroken horizontal line is a desirable or a restrictive feature of the modern building. Does such a tidily squared-off superstructure take us any further in the direction modern architecture is going, or is it perhaps inspired by a hankering after the classical cornice?

The idea of emphasizing the structural frame in this way no doubt dates from the earlier days of modern architecture when the thing was to insist at all times both on its rectilinear, and on its skeletal, nature. But the skeleton is only significant architecturally in relation to what it encloses, and to identify the enclosed spaces is a more fruitful aesthetic aim than to conceal them beneath a common horizontal termination. That is to say, a building which expresses its three-dimensional content is likely to have an irregular instead of a flat silhouette. Not even the office building, for all its cellular nature, consists of absolutely identical spaces inside. The elements that give it such a silhouette include of course the water-tanks, lift motor-rooms and so on. This offers architects an opportunity of contributing to the skylines of cities in a positive way that could be more agreeable than the chaotic skyline resulting from the total disregard of roof structures, and more interesting than the rigidly horizontal skyline resulting from the treatment described here.

In modern city streets three parts of the buildings situated in them have a quite independent impact on the public eye. The first is the ground-floor strip, up to about, say, 20 ft. from the pavement, consisting of shop-fronts, entrances and the like, which is all the pedestrian who walks along the pavement takes in. Shop-fronts and the like—often designed in depth—have little to do with the structures above; they are part of the busy scene created by street furniture, lighting, advertisements, traffic and people themselves, and the architectural opportunities they offer are, on the whole, fully exploited.

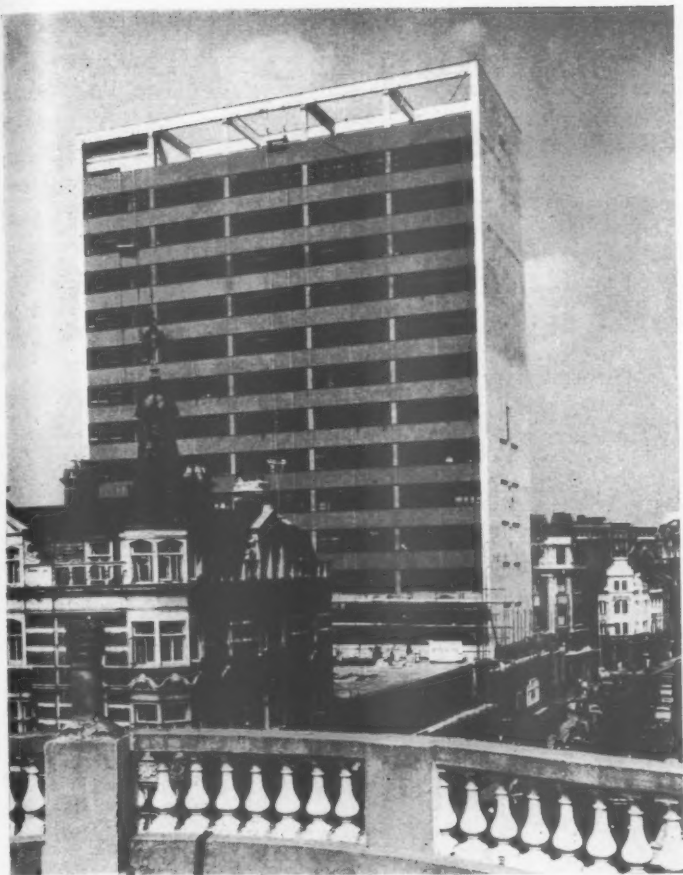
The second part is the vertical cliff of the street façade itself, which is now undergoing a certain amount of change as modern methods of site-use and the pressure of the plot-ratio break up the old corridor street. The façade—or series of façades—is seen obliquely (too many architects still think of it as an *elevation*) and is largely taken for granted by the eye. A completely impersonal, repetitive architectural character is usually all that is required.

Thirdly there is the roof-line, seen in silhouette, which inevitably catches the public eye and which is also, of course, seen in the distant view. Much more could be done to exploit it, in order to avoid the monotony that tends to occur as a result of economic pressures imposing an identical height on a sequence of adjoining buildings—witness the newly developed Albert Embankment as seen from the Tate Gallery.

The street scene used to be given variety of silhouette by the towers of civic buildings and the spires of churches, but now that office blocks dominate over

these in height and bulk, they must take on the rôle of the element that adds interest to the skyline. In Britain it is a rôle of particular importance because our grey northern climate means that we apprehend buildings in terms of silhouette, not of surface.

To finish a building with a deliberately designed silhouette does not necessarily mean converting the roof structures into a prominent sculptural feature, as Chamberlin, Powell and Bon have done on their high block at Golden Lane; nor does it rule out the occasional use of the rigidly horizontal roof line as exemplified in the illustrations to this article, which has obvious advantages as long as it does not become a



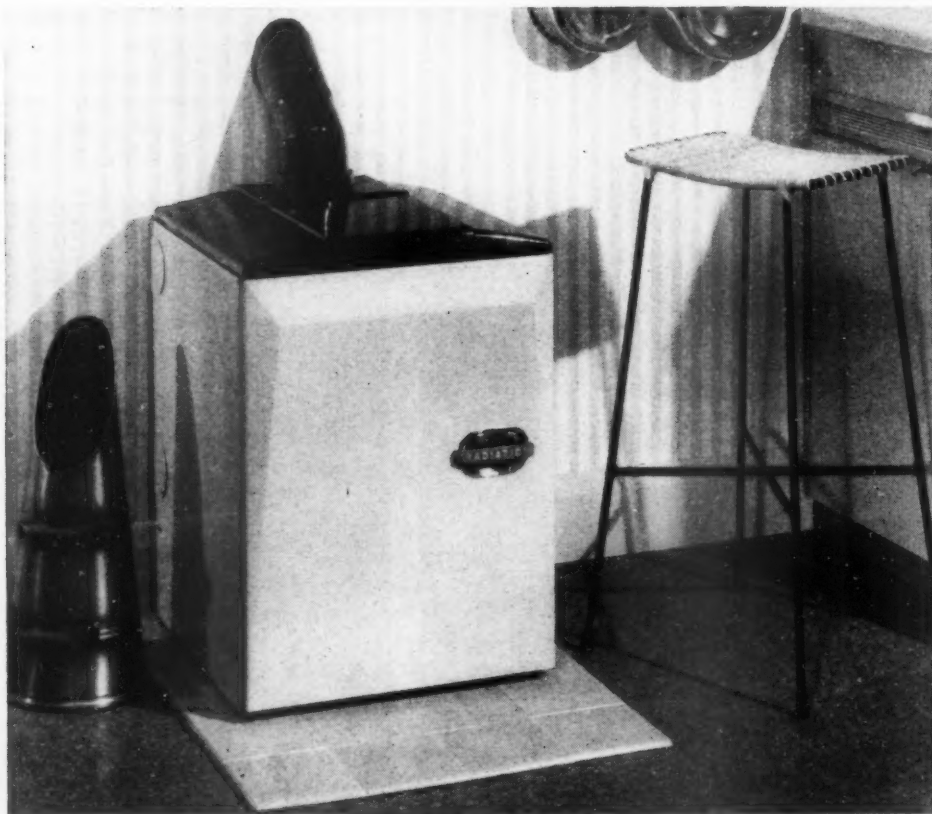
Three examples of what J. M. Richards, in the accompanying article, calls "built-in bomb damage", at the top of otherwise admirably designed buildings: top left, the new Thorn House, St. Martin's Lane, by Basil Spence; below left, offices nearing completion in the Strand, by Trehearne and Norman Preston and Partners; above (an earlier example), Dock Labour Board offices, Albert Embankment, by Frederick Gibberd.

mere cliché—the convenient way of avoiding tackling a difficult problem. For it is more than a problem. It is an opportunity. The roof-line of the city office block, given a more positive approach, presents an opportunity of enlivening the skyline, as seen from below as well as from a distance, without forcing an architectural effect. To allow the spatial contents of a building to emerge as it were upwards in the way water-tanks, lift motor-rooms, penthouses and other structures naturally do—which means to think in terms of expressing, not containing, the diverse elements within the frame—is fully consistent with that more intensive development of latent plastic possibilities, on which all architecture thrives.



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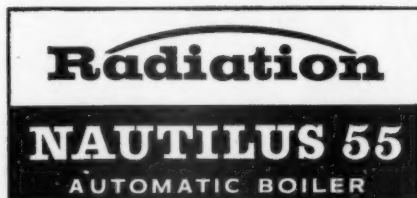
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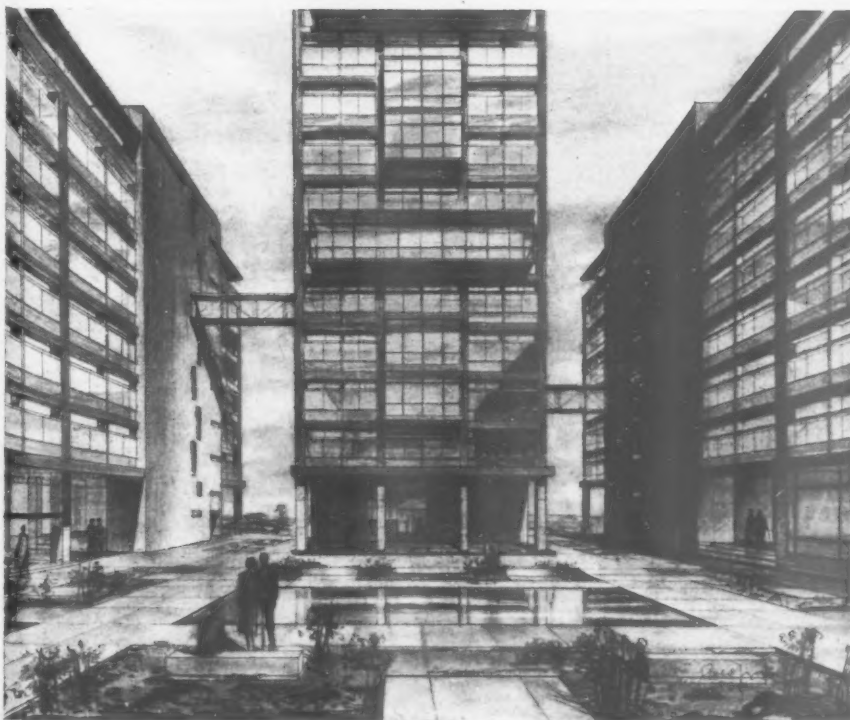
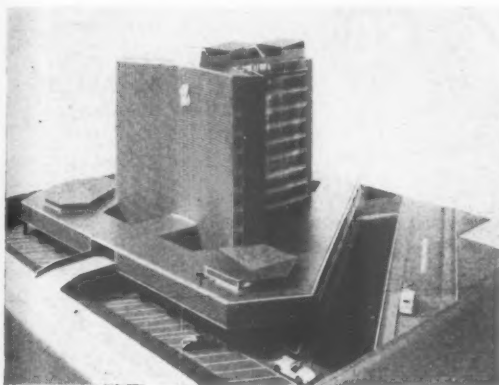


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THE ROYAL ACADEMY'S EXHIBITION: OFFICES

The exhibits in the architectural room of this year's Royal Academy include a large proportion of modern work, although the selectors must have come close to scraping the bottom of the barrel of entries, to judge by some of them. The most conspicuous absentee is that highly accomplished academic Raymond Erith, who was recently appointed an A.R.A. As usual very few of the drawings and paintings have been executed by the architect responsible for the design shown. Conspicuous exceptions are two perspectives by Sir Hugh Casson of his university work, who can vie with any professional perspectivist in his ability to present buildings in a good light and with great charm.



The office blocks in this year's Academy exhibition show that the slight improvement in design of last year is being maintained. The model of the proposed Tavistock Institute of Human Relations, in London, top left, by A. Kenyon, Tauté and Partners, is an interesting example of site layout, with low development running parallel with the boundary and leaving a basement floor and peripheral "area" free for car parking. The Y-plan, high, central block would seem to be too low, however, and creates awkward internal light wells. The model, finished in shining copper and highly patterned blank walls indicates a more garish finish than the photograph can convey. Top right, an office block near Middlesbrough, by Frederick Gibberd. Above, project for the Accountant General, GPO, at Chesterfield, designed by John W. Parr, superintending architect, Ministry of Works. Left, part of the Elephant and Castle development, showing a piazza between tall blocks linked by high-level corridors. This is only one of several sites being designed by Erno Goldfinger at the northern end of the Elephant comprehensive development area.

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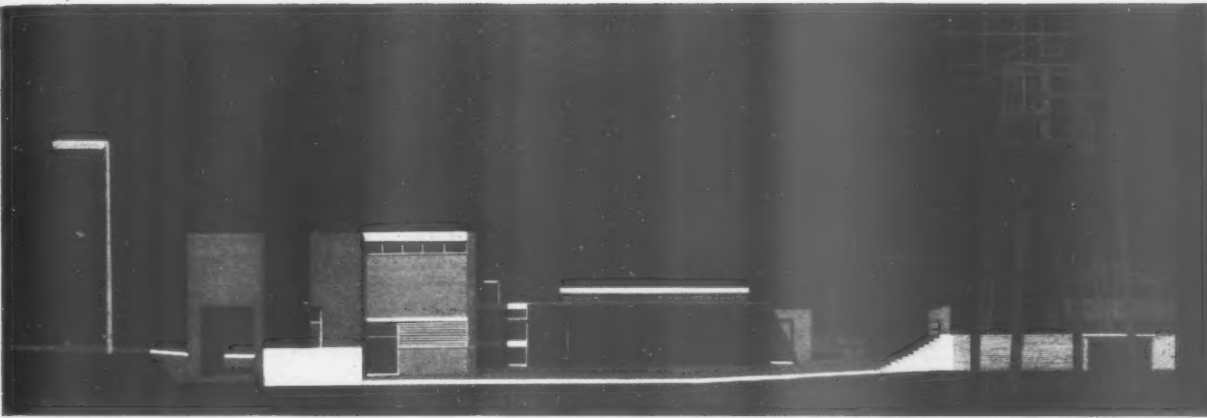
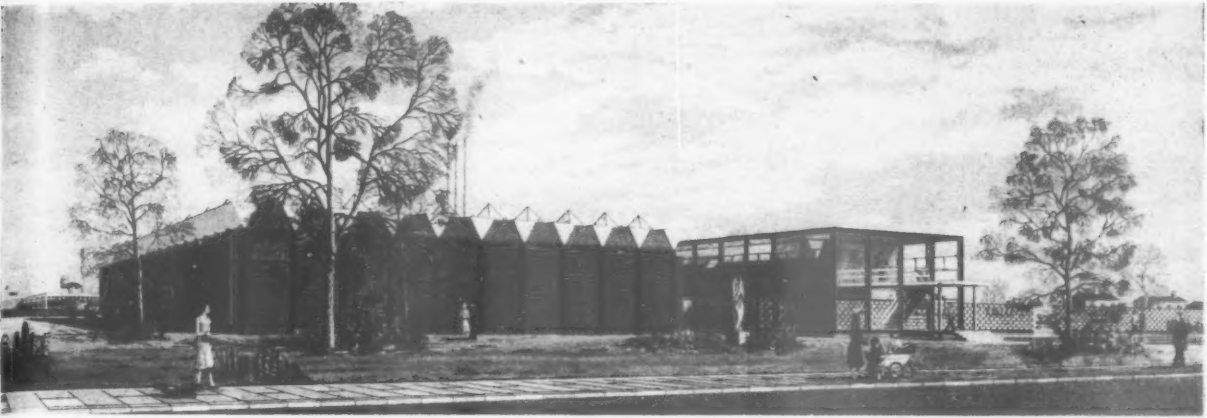
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INDUSTRIAL BUILDINGS AT THE ROYAL ACADEMY



Top, a factory for the Cement Marketing Co. Ltd., by Paul S. Buckhurst. Centre, above, pithead baths at the Selston (Underwood) Colliery by Elie Mayorcas.

Above, a laboratory for Shell Refinery Co., Shellhaven, by Howard V. Lobb and Partners. Below, left, offices for Canadian Pacific Steamships Ltd., Royal Victoria

Docks, London, by Howard Crane and Partners. Below, research laboratories for the Mullard Radio Valve Co., Salfords, Surrey, by Norman and Dawbarn.





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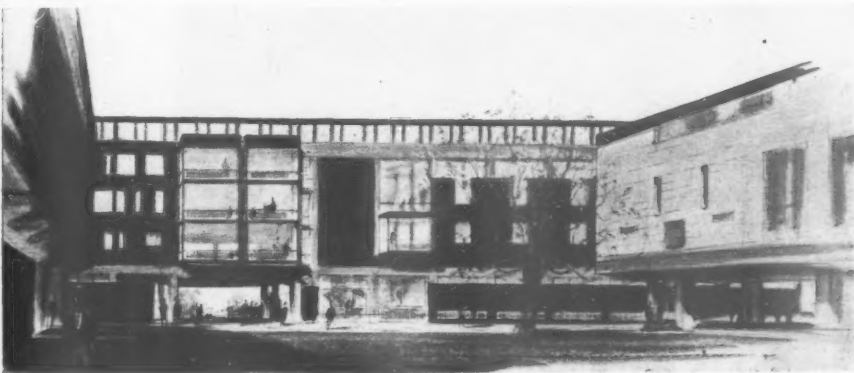
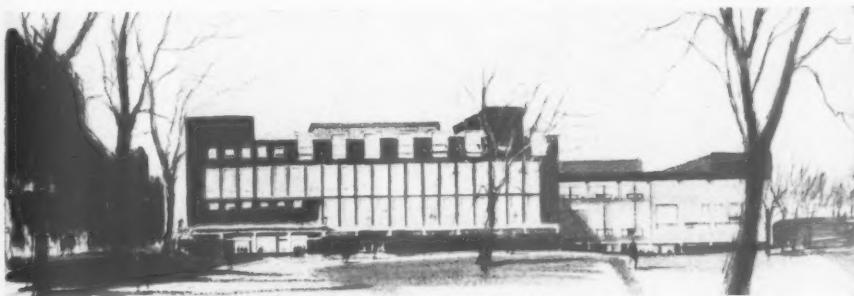
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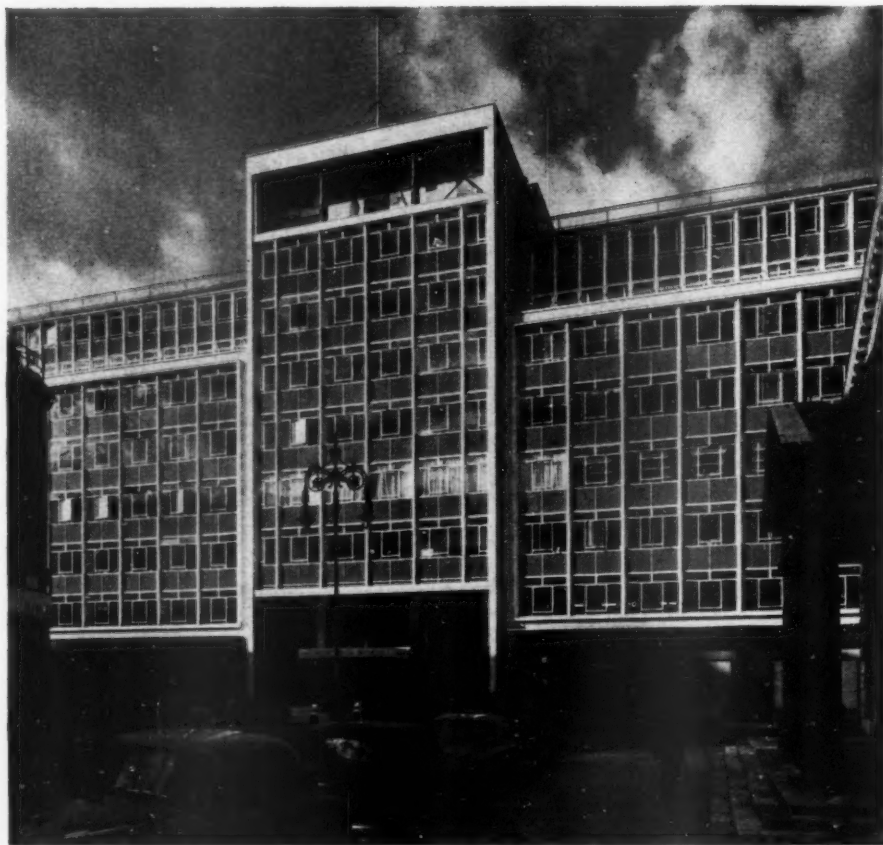
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UNIVERSITY BUILDINGS AT THE ROYAL ACADEMY



Above left, design by the Architects' Co-Partnership for King's College, Cambridge: undergraduates' rooms over new premises for Midland Bank Ltd. in Market Hill. Above, the International Hall of Residence, University of London, in Brunswick Square, by Easton and Robertson (S. E. T. Cusdin). Left, two designs for universities, by Sir Hugh Casson and Neville Conder; staff club and refectory buildings for Birmingham, above, and a proposed building for the Faculty of Economics and Politics, Cambridge. Bottom, by R. Sheppard, Robson and Partners, a School of Navigation, Warsash, for Southampton University.




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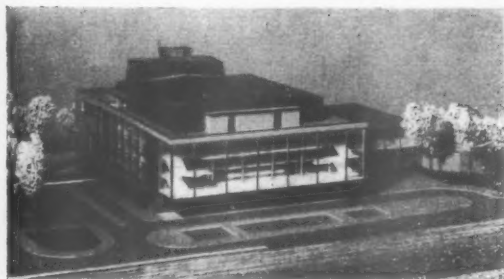
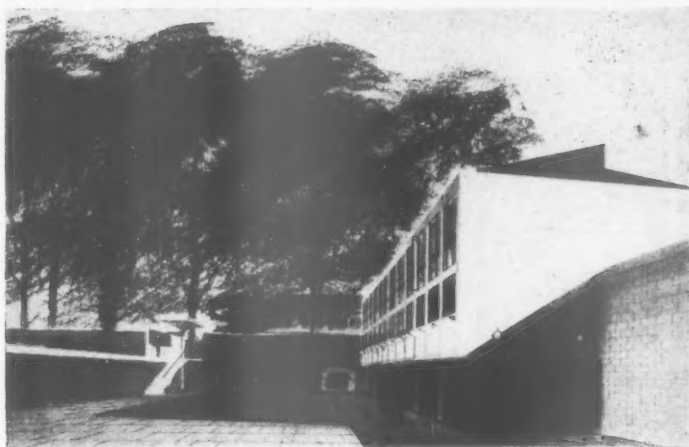
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HOUSING AND PUBLIC BUILDINGS AT THE ROYAL ACADEMY

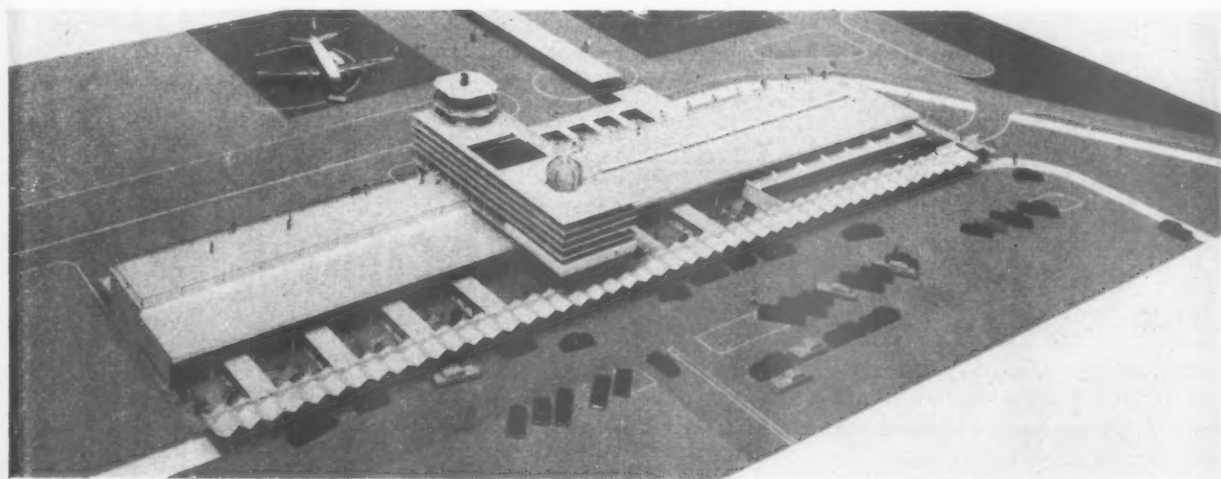


Above, housing for the Corporation of the City of London at Avondale Square by Sir Lancelot Keay, B. G. Duckett and Partners. Right, a group of houses and studios in the garden of Priory Castle, Wallingford, by Lupton and Morton.



Left, a model of an entertainments building for Eastbourne Borough Council by Westwood, Sons and Partners. Below, a

model of the terminal buildings for Palisadoes Airport, Jamaica, by Norman and Dawbarn.



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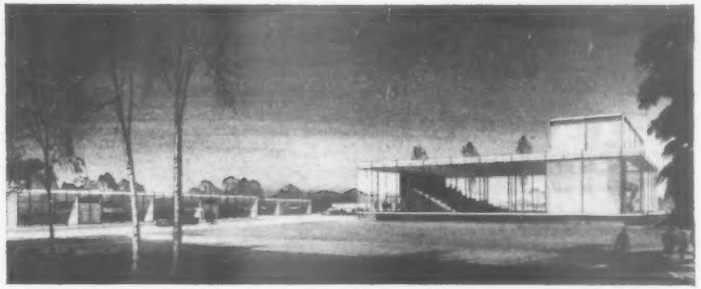
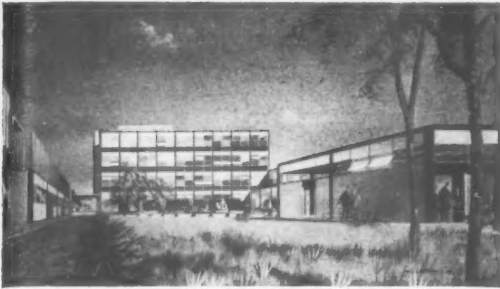
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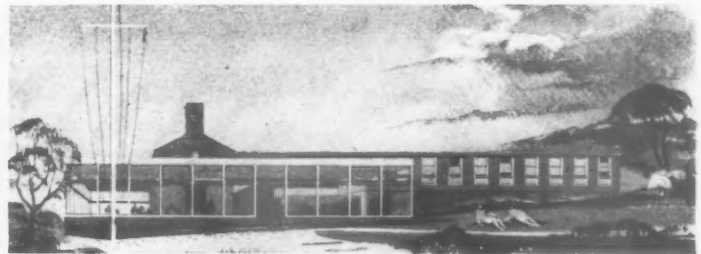
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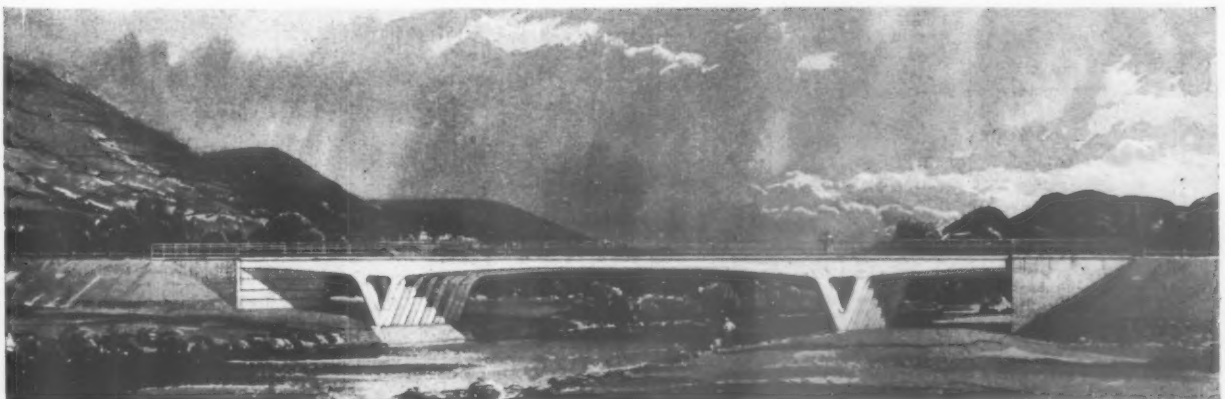
SCHOOLS AND MISCELLANEOUS BUILDINGS AT THE ROYAL ACADEMY

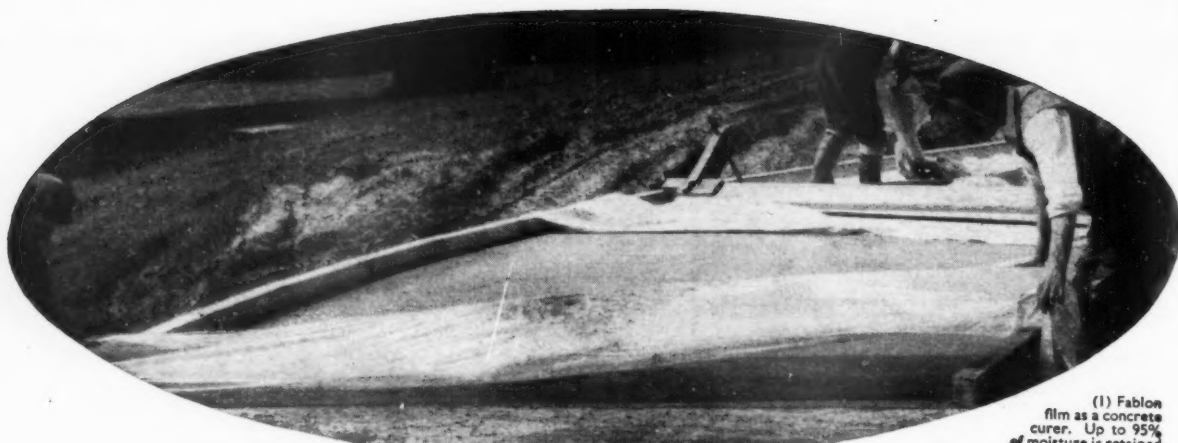


Top left, Stafford College of Technology by Norman and Dawbarn. Top right, Speech Hall for Radley College by Gollins, Melvin Ward & Partners. Above, a branch clearing house for Barclays Bank, Northampton, by Green, Lloyd and Son.



Above left, a parish hall at Copythorne, Hampshire, by Ronald H. Sims. Above right, the hotel Tresco, on the Isles of Scilly, by John A. Strubbe. Bottom, a road bridge over the River Usk, Abergavenny, by T. Alwyn Lloyd and Gordon.





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The AJ Fellowship: "Information for the Architect," 2

THE CASE FOR A COMPREHENSIVE INFORMATION SERVICE

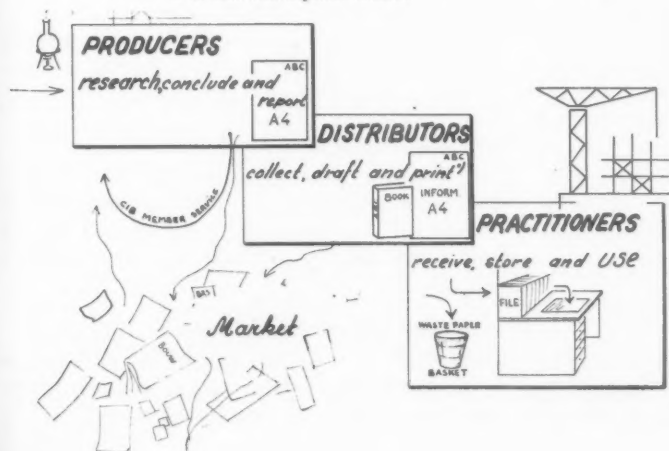
By Dargan Bullivant

THE NEED FOR CO-ORDINATION OF EFFORT

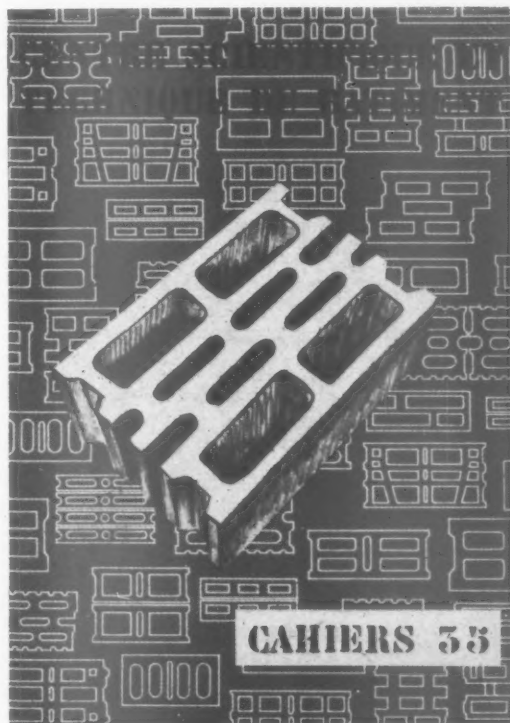
As more effort is put into research and development, so the frontiers of knowledge roll back. It is a curious fact that as this happens, so the length of the frontier increases and new subjects and divisions of subjects appear like ripples in a pool. It is also a fact that although knowledge accumulates, documents get out of date. Radical changes can take place in five years, and there are few documents over five years old which do not need to be replaced by more up to date ones. The effort put into adding to and replacing knowledge on building and disseminating it is largely unco-ordinated.

This seems a suitable point in time to plan developments for the next ten years. In considering this, it may be as well to bear in mind that the kind of documents produced now need not stay in their present form. The final or even the most useful form, used in a wide sense, is not always conceived when new publications are produced. The effort to produce the first of a series is often so great that there is little time to think of future problems when there are dozens of tiny pamphlets or an oversize book to reissue. The evolution of information from the British Standards Institute is interesting in this connection. The Building Handbook was published in 1944 as a small book which was revised by Addendum booklets and replaced by fatter small books at intervals. All these had to be kept up to date by manuscript notes. In 1955, it evolved into its present form, a large loose leaf binder kept up to date by exchanging old sheets for new. It became an information service on its own within a limited field.

Producers, Distributors and Practitioners. *The dissemination of information can be divided into three phases; the work of the Producers was described in the first article (AJ April 2); the methods of the Distributors and in particular the purpose of an Information Service is described in this article; Practitioners office methods are to be dealt with in future articles.*



Two Physical Forms of Information Service. *There are two physical forms of Information Service, loose leaf and monograph form. The loose leaf service is represented by the Norwegian (above), Finnish, Danish and Dutch services. The monograph service is represented by the French (below) and Italian services.*



The End Product

The end to which the effort must be directed is, as Eric Bird has said, to provide the practitioner with the answer to his problem as soon as possible after he is confronted with it. This means in effect in the office and in the files, with one series of classified files for all subjects, and all the information published in a form suitable for filing.

At present, to achieve such a degree of organization requires a librarian or an unusual or possibly uneconomic amount of time spent on it. The costs of such a filing system at present are not in the publications themselves, although individual cases seem expensive, but in the staff time required to keep up to date and well organized. Scanning the field, ordering publications, lost waiting time, cutting up periodicals, chasing up indexes, looking for missing items all cost money. For most offices without a librarian, this time may be lost by architectural staff. Recent information on architects' offices costs quotes £9-£10 a day per qualified member of the staff including overheads. Time lost searching for information at this rate is very expensive.

Standardization of Means

The need for standardization is indisputable but methods of achieving this desirable end are not clear. The absence of publicity for and guidance on standardization means that there are many organizations without any idea of what is required or how to achieve it. The existence of a number of large and important producers of information, notably HMSO who pay no attention to standardization at all, hinders progress. The need here is for an organization representing users to speak with a much stronger voice than any number of individuals, and to publish on a wide scale the advantages of standardization. A strong lead has been taken in the building field by the BSI and the RIBA by starting a progressive change-over to A-series paper sizes for all their paper work. It is important that their work is backed up. The establishment of an information service for the whole industry would be the strongest possible way, perhaps the only way, of obtaining the necessary degree of standardization.

Presentation and Communication

The principles of presenting information in the best possible way for busy users, is a subject in its own right. It is slowly being reorganized as such. Most information published is presented with little thought to the problems of the user. Standards in this respect can only be slowly raised if large numbers of producers have to be persuaded to take thought on this matter. It is, however, highly significant that where comprehensive information services are established, the standard of presentation is extremely high. It becomes imperative to think hard about these problems of communication which are fundamental.

THE GROWTH OF BUILDING INFORMATION SERVICES IN EUROPE

In many European countries, the need to provide information for practitioners in a form suitable for use in the office is being met by the establishment of

information services. A number of these services are described in more detail below. In all the examples given, the producing agency is a non profit making body representing in some way the interests of all practitioners in the building field. The producing agencies vary from the Institute of Architects in Finland to agencies set up jointly on behalf of the professions and the industry to draw on the results of research and to present it in the best form for use. Most of the services cover the full range of building information from the functional and analytical studies of buildings and their requirements, the digests of the results of the research into materials and methods of construction, together with data sheets on the trade products, with which an architect must design. The presentation of information on trade products is clearly not thought to be below the notice of the service but is regarded as an essential part. The inclusion of trade product information is thus the key to the central problem of finance and is the great strength of these services. The bridge between research and manufacture is established for the user and the available goods on the market can be studied in the light of the technical knowledge which should inform their use. The following examples of information services are chosen to illustrate the scope of the work being done and the extent to which a standard practice is now being adopted throughout Europe.

THE DEFINITION OF AN INFORMATION SERVICE

An examination of the examples given on pages 697-699 shows them to have the same objects and similar features.

The Broad Aim of An Information Service

To present up to date, authoritative information to practitioners in a form they can use when they want it with the emphasis on speed of reference and not exhaustive information.

To Combat Scatter

The existence of a service provides one line of communication with offices for information which might otherwise have been scattered about in other places.

To Reduce the Sheer Quantity of Information

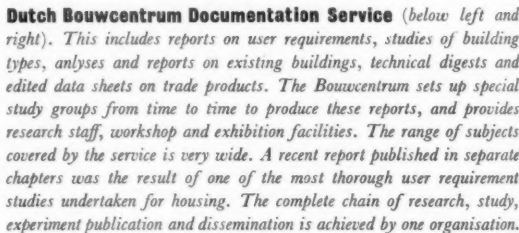
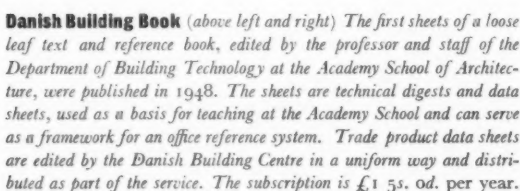
Concentrated reports and data sheets are used to present the gist of information contained in original reports of longer length, perhaps meant for other purposes than the practitioner's use in the office. This is a most important aim. As everyone's time for reading remains the same, a smaller proportion of what is written can be read by any one person.

To Keep Information Up-to-date Automatically

The machinery of a service ensures that the latest information available is sent to the office automatically. The need to be constantly on the lookout for new publications and to purchase them individually is avoided.

To Reduce Overall Costs to the User

An examination of the subscription rates for European Information Services shows them to compare favourably in quantity and quality for the price.



Danish Building Book (above left and right) The first sheets of a loose leaf text and reference book, edited by the professor and staff of the Department of Building Technology at the Academy School of Architecture, were published in 1948. The sheets are technical digests and data sheets, used as a basis for teaching at the Academy School and can serve as a framework for an office reference system. Trade product data sheets are edited by the Danish Building Centre in a uniform way and distributed as part of the service. The subscription is £1 5s. od. per year.

Dutch Bouwcentrum Documentation Service (below left and right). This includes reports on user requirements, studies of building types, analyses and reports on existing buildings, technical digests and edited data sheets on trade products. The Bouwcentrum sets up special study groups from time to time to produce these reports, and provides research staff, workshop and exhibition facilities. The range of subjects covered by the service is very wide. A recent report published in separate chapters was the result of one of the most thorough user requirement studies undertaken for housing. The complete chain of research, study, experiment publication and dissemination is achieved by one organisation.

To Provide Teaching Texts for Schools

The building up of consolidated information in a form available for reference seems to be an excellent way of providing economical and up-to-date teaching texts. The Danish Building Book is a case in point. The introduction of an orderly information service to students is also an important preparation for practice when reference to information becomes essential.

The Essential Features of an Information Service

The features which are common to all the Information Services examined above are:

1. Management of the service is by an authoritative, non-profit-making body representing the users of the information.
2. The editing and presentation of the information is done by a skilled technical staff.
3. The subjects cover the whole field of building, user requirements, analyses of buildings, digests on techniques and methods, and data sheets on trade products and in some cases on office practice and legal questions.
4. The information is presented in a uniform manner. Page layouts, illustrations and typography are of a high standard and the format and classification is standard for each service. Each of the services described above is produced to paper size A4.
5. The standardization of the means of presenting information ensures that it can be filed in a straightforward manner in binders or files in the office.
6. The information is kept up to date by a regular supply of material directly to the office. This is possible by providing the service on a subscription basis.

TOWARDS A BRITISH BUILDING INFORMATION SERVICE

The chaotic conditions which exist at present can be improved by the adoption of certain standards of practice in presenting information which is intended for use in the office. The most important points being:

Paper size: For satisfactory filing.

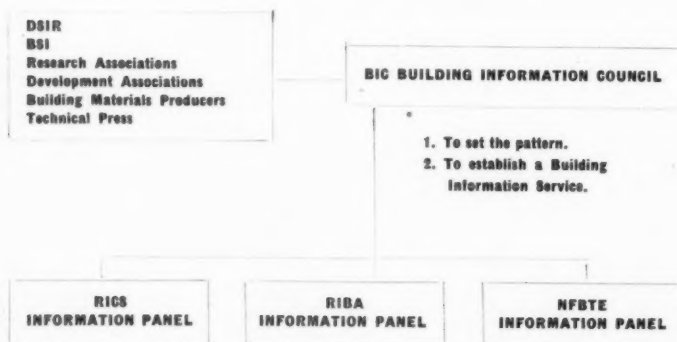
Classification: For simple handling and reference.

Hole punching: For standard filing equipment.

Loose leaf methods: For keeping papers up to date.

In making changes it is important not to forget that the present character of information publications such as Digests, Codes, Standards and Building Studies is not

A Building Information Council. *Communicating the results of research is a different job to doing it. The workable pattern for organizing technical references in the office, and an adequate machinery for dissemination is primarily the responsibility of practitioners and their organizations. Since users of information about building share certain problems a co-ordinating council is needed.*



unchangeable. At this point in time, when the post-war expansion in published technical information has reached the end of the first phase, the most important consideration is to design the pattern of information for the next ten years. That the end of the first phase is near may be seen from the graph of output of publications on building. (Fig. 1, A, April 2, 1959.) The work of standardization continues at an increasing rate. The editing of Digests carries on evenly, but the publications which consolidate knowledge, the Codes, and Post-War Building Studies are mostly all over five years old. Five years is a suitable period to consider the revision of information. So many changes take place in five years that documents over five years old become misleading and unhelpful in practice. A further period of consolidation is needed, and if new publications must be issued to replace old ones, a change in the standardization and machinery of dissemination becomes possible. A factor which becomes increasingly important is the need to review experience in practice and communicate the results. The professional institutes have a special responsibility in this respect.

The first steps in the second phase have been taken and others may follow. Recognition of the fact that the work of communicating knowledge is an entirely different one from discovering knowledge in the first phase must be followed by the setting up of adequate machinery to deal with the communications problems of the industry.

THE FIRST STEPS

It seems unlikely that much progress can be made in tackling the problems of communications until the adequate machinery is thought out, and this can only be tackled by a Building Information Council representing the user and working in close liaison with the producers of information.

A first rough sketch would seem to indicate a council composed of representatives of the RIBA, RICS, and the NFBTE in close liaison with DSIR, BSI, the Research Associations, the Trade Development Associations, the Building Materials Producers and the Technical Press to work out:

1. The pattern for organizing technical reference information in the office.

This requires:

Agreement and published guidance on paper size, classification, hole punching, format.

Publication of simple aids to finding information.

Encouragement to all producers to publish to the pattern.

A continuous study of users' needs.

Publication of a review of current information in reference form.

2. The machinery for the dissemination of information. This will include:

A comprehensive Building Information Service.

A regional network of Information Centres served centrally.

The selection and editing of results of research, development and of experience.

To agree the pattern with BIC for monographs, teaching texts, data sheets.

social study

LONDON COUNTY COUNCIL HOUSING FOR OLD PEOPLE

There is a difficulty in trying to illustrate the latest achievements of the London County Council Architect's Dept. (chief architect, Hubert Bennett) in the housing of old people: it arises because ideas about the 'needs of the aged have changed so rapidly over the last few years that by the time any building designed for them is finished, new buildings incorporating better ideas are already on the drawing boards. During the past 18 months the London County Council has opened six small

homes each accommodating between 56 and 80 old persons, both men and women, in different parts of London. Two of these homes are shown in the illustrations, Picton Lodge on the Picton-street estate, Camberwell (designed by J. Stedman: assistant Miss P. Simpson) and Stewart's Lodge on the Patmore Estate, Wandsworth (designed by A. J. Woodhead). These buildings represent a big advance in planning for the aged and the experience gained from the construction and management of

these homes has suggested further improvements which will be incorporated in the plans for new homes now under construction.

In 1951, when wartime restrictions on building were gradually being removed, the Council opened three purpose-built

The central hall of Stewart's Lodge, Wandsworth, forms a comfortable and sunny meeting place, where residents coming downstairs, from the dining room, or from outside naturally gather.



social study

LONDON COUNTY COUNCIL HOUSING FOR OLD PEOPLE:

homes for old people which were a great improvement on the small homes in use at that time consisting mainly of large private houses which had to undergo considerable adaptation and even so were not entirely suitable for old people's requirements.

The comfortable, informal boarding house type of accommodation provided in the adapted private houses and in the earlier purpose-built homes could be used only by old people who were physically active. Once they had become infirm it was necessary to transfer them to a large home (a former institution) containing several hundred beds and staffed and equipped to deal with such cases, but where the conditions are quite out of date and would require a vast expenditure of money to bring them into line with modern requirements.

Apart from the cruelty of removing old people at such a time from all familiar surroundings and acquaintances, the fear of being removed hung over the spryest resident in a home, and it is a major advance that new homes like Picton Lodge are designed and staffed to take care of those who live in them until the end of their lives. Newer designs, however, aim to integrate the homes much more closely with housing for old people. To help the old to maintain their independence as long as possible, flats and small houses will now be built in close proximity to each new home, so that those in the flats or houses can get meals at a common dining room, and the staff can visit and help them over temporary illnesses and crises, organising medical and nursing attention, laundering services, and so on. When, finally, an aged person or old couple can no longer live inde-

pendently, they can move into the home, where the staff and many of the residents are already familiar, and without losing touch with previous neighbours, still living independently round about.

These ideas are very clearly expressed in the design for old people's housing and a home, sharing a site at Eastway Park, Hackney (designed by H. M. Hurley; assistant-in-charge, A. J. Woodhead; assistant Miss S. B. Trasler).

As the site plan shows, here, four two-storey blocks of single-roomed flats, to accommodate 34 old people share a 1½-acre site with a home, itself divided into three two-storey house blocks, all sharing a single-storey dining and kitchen area, which is linked to the flats by a covered way so that bad weather will not prevent the flat-dwellers from coming in for a hot meal if they want one. The whole site is being landscaped so that all the buildings share a series of lawns, gardens and shrubberies.

At the same time, standard designs for single-storey houses and for one and two-roomed flats for old people have been produced, based on the 1957 Survey of old peoples' needs and preferences produced by the Council and published in the JOURNAL (June 13, 1957). Four of these are shown right.

The house contains a living room with screened off bedroom alcove, kitchen and bathroom with lavatory. For a south aspect house the living room runs the depth of the house and there is a small sun porch before the front door, with bathroom and kitchen behind. In the north aspect house, the living room runs the width of the house at the back, with a small sun court outside the bedroom alcove window, and bathroom and kitchen occupying the northern, front end.

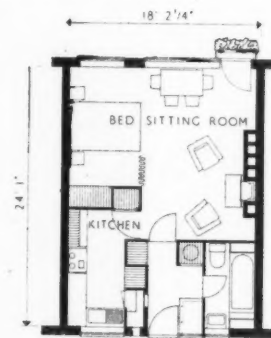
Two types of flat with balcony access are shown, one with a living-room with bedroom alcove taking most of the space, the other with a separate bedroom and correspondingly smaller sitting-room. Perhaps it is worth remarking that these flatlets are of higher standard than that laid down in the MOHLG's *Flatlets for Old People*, for the LCC has set its face against proposals for shared lavatories and washing facilities, for example. However lest anyone should become complacent about London's provision for the housing of old people, it is worth remembering that out of 399,000 old age pensioners in London, only 22,000 live in LCC dwellings (perhaps as many again in local council housing), and only 7,000 are accommodated in its homes. So the admirable ideas outlined here for offering a helping hand to maintain independence have plenty of room for further practice.



Floor plan, north aspect house, LCC standard design for old peoples' houses [Scale: 1/8" = 1' 0"]



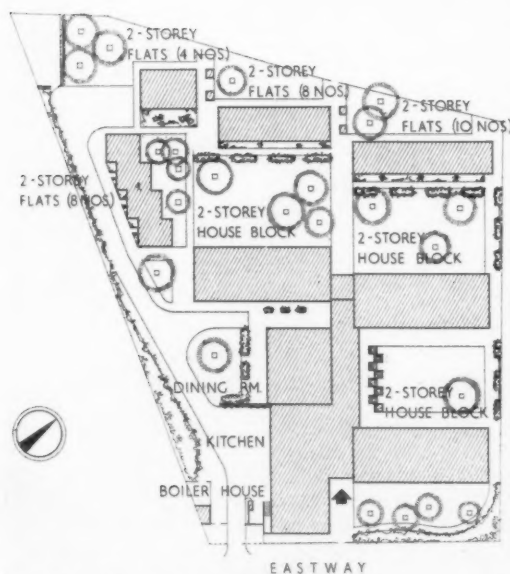
Floor plan, south aspect house [Scale: 1/8" = 1' 0"]



Floor plan, flat with bed sitting-room [Scale: 1/8" = 1' 0"]



Floor plan, flat with separate bedroom [Scale: 1/8" = 1' 0"]



Site plan of Eastway Park scheme, Hackney

LE: PICTON LODGE, CAMBERWELL, S.E.5



Picton Lodge, of which the L-shaped front entrance is shown (above), was designed to accommodate 73 old men and women, and from the first it was understood that the residents would be more infirm than those in previous small homes, and would include some bedridden old people, for whom two small wards must be included. The T-shaped, three-storey building stands in the centre of a large LCC housing development, the Picton estate. It is a concrete frame building with brick end walls, the front and back elevations largely of windows, with panels of white weatherboarding beneath and of brick between. The remainder of the site has been simply laid out with turf, a few trees and rectangular flower beds, with a wide paved terrace in front of the sitting-room windows, where a number of old people sit out on sunny days. At the back, centre right, a single-storey extension contains the dining-room with kitchen accommodation behind. The dining-room is faced entirely with glass, and is built out into three bay windows, enabling a larger number of the small tables to be brought forward into the light in what is rather a deep room to be lit from only one side. Within, there is a good balance of communal circulation space, such as the large central lobby and wide, glass-fronted corridor beyond, shown bottom, which is constantly used by the residents for strolling about or sitting in the sun, and of small sitting-rooms; five of these occupy the front of the ground



Front and back of Picton Lodge, above, people meet, sit and talk, below, with wide, and the spacious entrance hall where glass-fronted corridor behind.



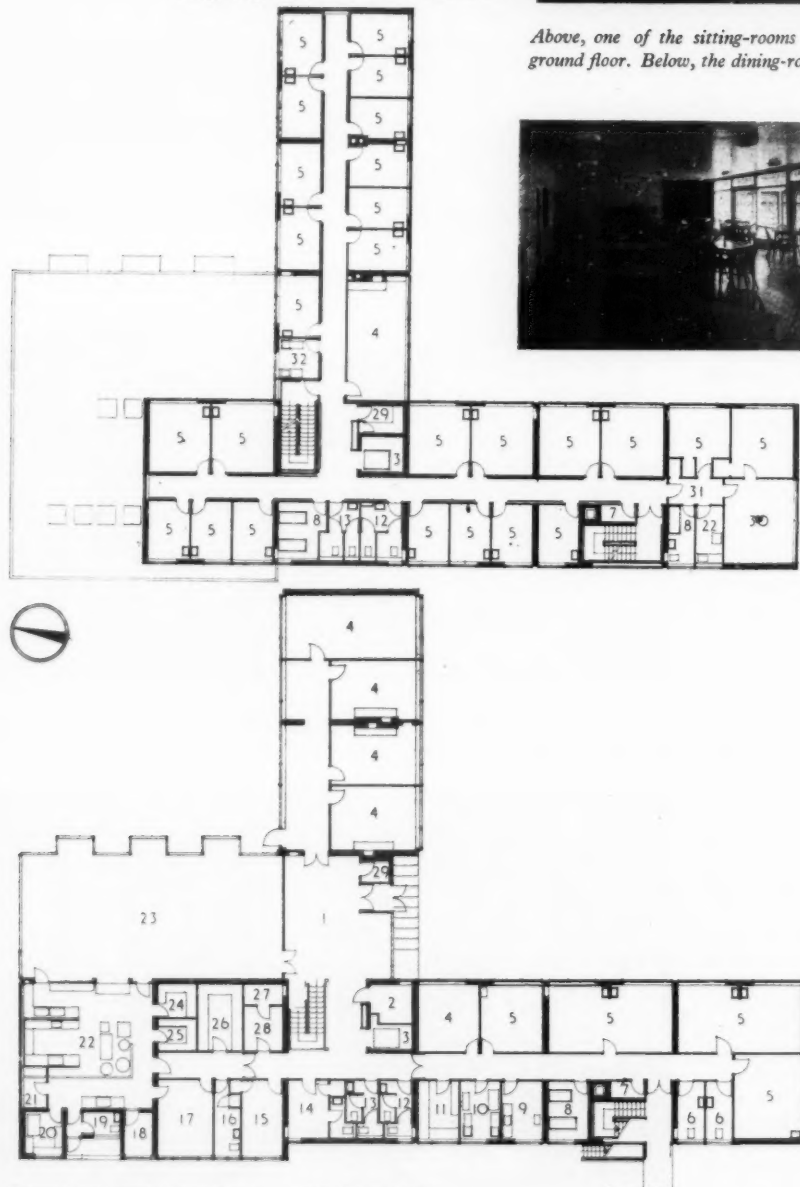
social study

LONDON COUNTY COUNCIL HOUSING FOR THE OLD:

floor, one of which is shown right. These rooms have low enough sills for the users to be able to see out into the garden while sitting in the arm-chairs, and several of the residents commented enthusiastically on this point. In contrast with these living spaces, which have a decidedly friendly air, the dining-room (below) has a rather bleak and institutional air, produced partly by the need to be near the kitchen and quickly served by a limited staff. Mealtimes are high-lights in the day for most old people, so quick service and hot food are a first consideration. The serving hatches into the kitchen are just visible along the left wall. The large wards in which old people have to sleep in the older homes, have been completely superseded here, and there



Above, one of the sitting-rooms on the ground floor. Below, the dining-room.



Ground and upper floor plans [Scale: $\frac{1}{16}'' = 1' 0''$]

are 36 single and 13 double bedrooms on the upper floors, one of which is shown (right). Some of the double bedrooms are for married couples. Apart from these there are two wards of three and four beds respectively, set aside for infirm or bedridden residents needing attention in the night. All the bedrooms are provided with bedlights, nightlights, call-bell pushes, permanent ventilation and wash-basins. Bathrooms and lavatories are provided on every floor, and there is one sitting-room on each upper floor, for use by anyone who does not want to come downstairs, although the floors are connected by a roomy and easily managed lift, capable of taking a wheel chair and attendant. The stairs have been designed with special thought for the problems of old people, with very wide non-slip treads, and handrails of well-finished hardwood on both sides, which are continued along all corridors, walls and screens. The furnishing of all LCC homes are the responsibility not of the architects, but of the LCC's Welfare Department, in close co-operation with the matron of the individual home, and wide discrepancy of taste is evident at Picton Lodge, and presumably elsewhere also, between the building and its furnishing. This is officially described by the LCC as "keeping in mind the importance of harmonising the needs and preferences of old people with the modern style of architectural treatment which the building exemplifies."

- | | |
|-----------------------|-----------------------------|
| KEY | 17. Staff dining-room |
| 1. Main entrance hall | 18. Store |
| 2. Motor room | 19. Domestic staff lavatory |
| 3. Lift | 20. Larder |
| 4. Sitting-room | 21. Veg. store |
| 5. Bedroom | 22. Kitchen |
| 6. Chair w.c. | 23. Main dining-room |
| 7. Cleaner's cupboard | 24. Equipment store |
| 8. Bathroom | 25. Dry store |
| 9. Utility room | 26. Box room |
| 10. Foul wash | 27. Electrical intake |
| 11. Linen | 28. Cloakroom |
| 12. Men's lavatory | 29. Store |
| 13. Women's lavatory | 30. Living-room |
| 14. Doctor | 31. Hall |
| 15. Matron | 32. Service room |

LD: PICTON LODGE, CAMBERWELL, S.E.5 continued

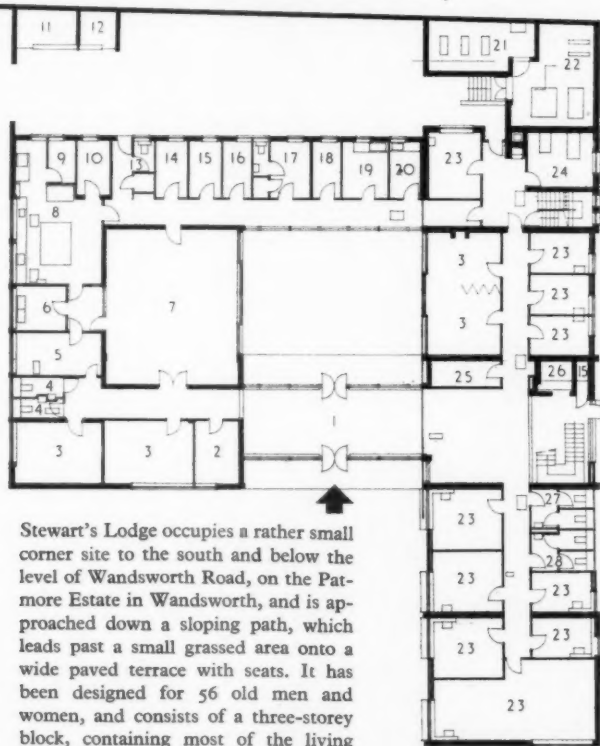


Above, one of the double bedrooms devoid, it is interesting to see, of any personal effects in true institutional style. Below, the staircase from the first floor to the main entrance hall. It has a very easy going and non-slip treads.

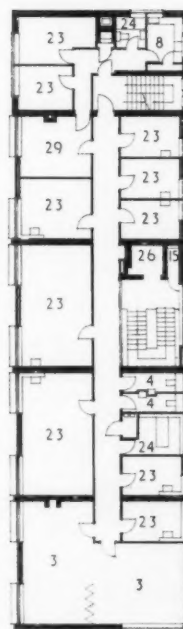


social study

LONDON COUNTY COUNCIL HOUSING FOR THE OLD:

*The entrance to Stewart's Lodge from the south.*

Stewart's Lodge occupies a rather small corner site to the south and below the level of Wandsworth Road, on the Patmore Estate in Wandsworth, and is approached down a sloping path, which leads past a small grassed area onto a wide paved terrace with seats. It has been designed for 56 old men and women, and consists of a three-storey block, containing most of the living accommodation connected by covered ways to a single-storey block containing dining-room, kitchen, stores and offices. The front elevation, terrace and covered way are shown (above), and the elevation clearly shows the crosswall con-



- KEY
1. Entrance hall
 2. Matron's room
 3. Sitting-rooms
 4. Lavatories
 5. Staff dining-room
 6. Wash-up
 7. Dining-room
 8. Kitchen
 9. Vegetable store
 10. Larder
 11. Solid fuel store
 12. Garbage
 13. Staff lavatory
 14. Hardware store
 15. Store
 16. Box room
 17. Doctor's room
 18. Linen
 19. Foul wash
 20. Utility
 21. Oil store
 22. Boiler room
 23. Bedrooms
 24. Bathroom
 25. Cloaks
 26. Lift
 27. Women's lav.
 28. Men's lav.
 29. Matron's sitting-room

Ground and first floor plans (Scale: $\frac{1}{32}'' = 1' 0''$)

D: STEWART'S LODGE, PATMORE ESTATE, WANDSWORTH, S.W.8



Above, one of the utility rooms on the ground floor. Below, the inner courtyard seen from the dining-room. Above right, the sitting-room in the matron's flat on the first floor.



struction. Walls are clad with sand-faced patterned clay tiles in a dark brownish red. The main building, single-storey block and covered ways (the hindmost of which links a series of utility rooms,

one of which is shown on the left, together form an inner courtyard, seen from the dining-room (below), which is intended to provide a sheltered and sunny sitting out space with more privacy for the residents than the front terrace. This courtyard, however, wears a somewhat hard and barren look, more like the well of a building than an interior garden, which may improve when more plants have grown up there: the covered way, in particular, seems to call for a vine. Above the living space and rooms on the ground floor there is a large sitting-room on the first floor overlooking the main road. The total accommodation of the home comprises 14 single and 10 double bedrooms, and 3 four-bed and 2 five-bedrooms for infirm residents. A lift, which is large enough to take a wheelchair serves all floors. There is also a small flat for the matron, the sitting room of which is shown (left). Every bedroom has bed light, a wash-basin, a night light and an emergency bell-push, and bathrooms and lavatories are on every floor. As at Picton Lodge, staircases and corridors are lined with hardwood handrails, and non-slip flooring, in this case cork tiles.



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LEAD WORKS LANE, CHESTER.

building illustrated

Houses for old people at Harlow, Essex

HOUSES

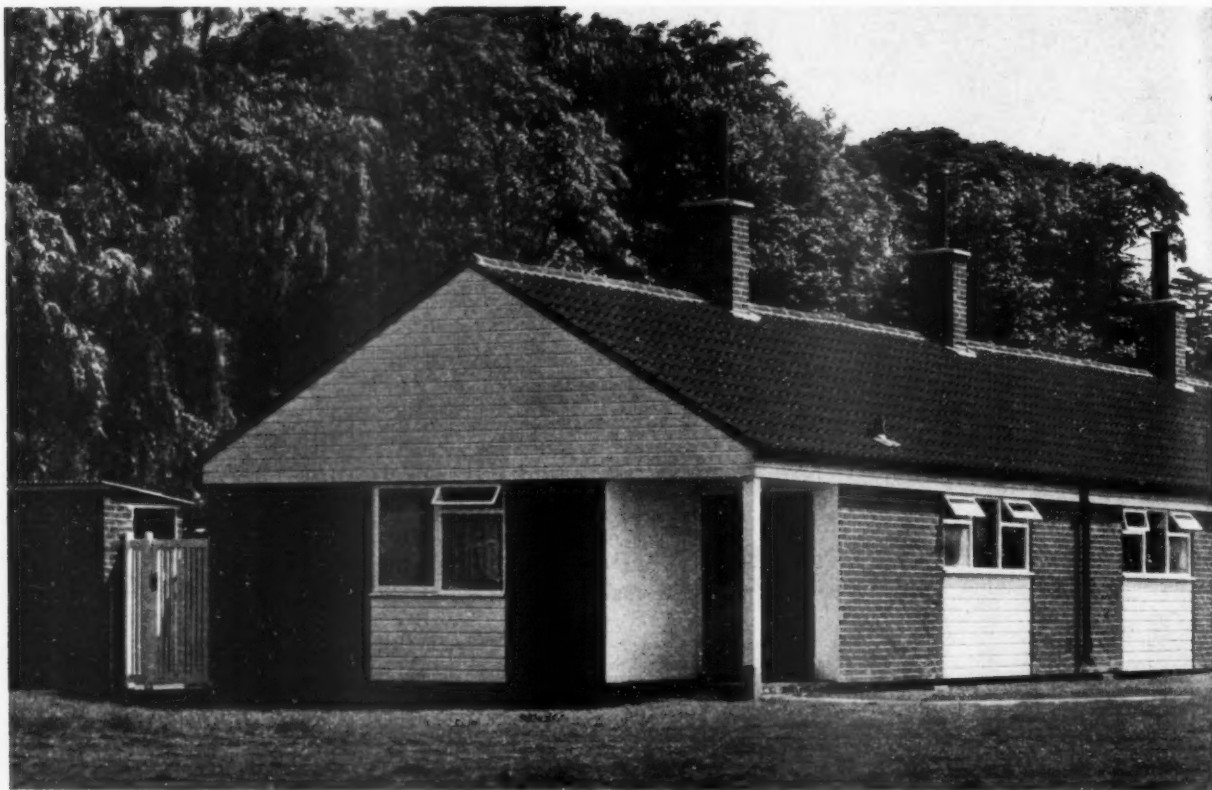
for old people at HARLOW, ESSEX; designed by FREDERICK GIBBERD in association with A. W. R. WEBB, engineer and surveyor to Harlow UDC; partner-in-charge G. T. GOALEN; assistant architect D. RENDLE quantity surveyor F. C. TOLLAFIELD

This terrace of single-storey houses for old people provides interesting comparisons with the six rather similar houses designed by Clifford Culpin for the Architects' Benevolent Society (AJ, July 24, 1958): the present scheme, built by direct labour for Harlow UDC, worked out at 40s 8 $\frac{3}{4}$ d per square foot; the ABS cottages, more concerned with fine workmanship and finish than low cost, worked out at 63s 9 $\frac{3}{4}$ d. It is a useful exercise to go through the two schemes, item by item, to see where the money was spent, and whether it was well spent.

The terrace from the south-west.



building illustrated



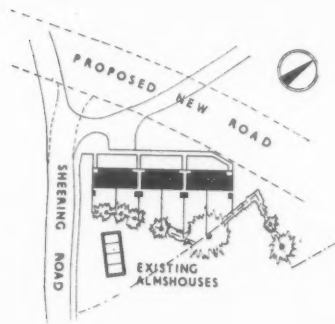
From the north, looking across the proposed new road.

APPRAISAL: The complete solution to the problem of housing old people satisfactorily has not yet been found. The problem is a mainly social one that will probably take a generation or two to solve. Until such time we can only do the best we can. These bungalows at Harlow go a long way in the right direction. In appearance they are traditional and have been related to some existing old almshouses by the use of similar coloured brickwork, painted shiplap boarding and interlocking pantiles. A more extreme design might give the old people the impression of being drawn out of their old environment even more than is already inevitable. What is difficult to understand is that a client's requirement was that the windows should be kept comparatively small, presumably for facility in cleaning. But old people spend a lot of time sitting down, and one of their pleasures is to be able to look out at the world outside while doing so. In fact, one of the arguments against flats is that from a sitting position, the only view is either sky or other buildings nearby. With bungalows, in particular, there is an excellent opportunity to overcome this and it is a pity that it has not been done in this case. Again, the siting of the bungalows near to a proposed new "B" road might, by some, be criticized on the ground of noise. This criticism would not be valid. Traffic noise, as opposed to that of

children, is comparatively easy to become accustomed to and very rarely, especially from a "B" road, causes annoyance. Against this must be set the pleasure which old people take in being able to see things going on around them.

That the gardens have been kept small is commendable, and that the rooms are not too small is equally so (old people don't want to sell *all* their possessions). The general arrangement is also suitable especially as the idea that old people like eating and sleeping in the same room more than anyone else, has been discarded. The now standard equipment of low sitz baths with handles on the walls has been included and the slot gas-meter has been placed at a convenient height—neither at ceiling nor at floor level. This latter is part of the general attempt to cut bending or stretching to a minimum. Curiously enough, here again clients' requirements seem odd as they specified a particularly shallow pattern of all-night fire grate. However visually, and perhaps psychologically, desirable this form of grate may be, the daily chore of cleaning out the grate is tedious enough even to the most nimble. There is scope here for constructive thought, just as there is for designers of cooking ovens, who still appear to want people to grovel on the floor in homage to their Sunday joint.

analysis



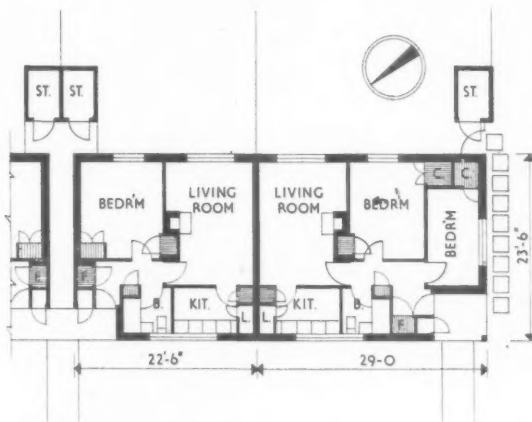
Site plan

CLIENT'S REQUIREMENTS

A group of old peoples' homes to include four with one bedroom and two with two bedrooms. The client asked that the main bedrooms should be fitted with radiators heated from the living room fire back boilers and that windows should be kept small.

PLANNING AIMS

The site is in old Harlow on the outskirts of the new town and is rural in character. The terrace is sited to overlook an open space and its private gardens at the rear are screened by an existing hedge. The building had to be related to a row of old almshouses and this was done partly by the use of similar materials and partly by the siting of the terrace.

Ground floor plan [Scale: $\frac{1}{4}$ " = 1' 0" approx.]

SUMMARY

Ground floor area: 3,237 sq. ft.
 Total floor area: 3,237 sq. ft.
 Type of contract: RIBA with quantities.
 Tender date: May, 1957.
 Work began: July, 1957.
 Work finished: March, 1958.
 Tender price of foundations, superstructure, installations and finishes: £6,593 13s 2d.
 Final contract price: £6,593 13s 2d.
 Tender price of external works and ancillary buildings (including drainage): £942 0s. 2d.
 Final contract price: £942 0s. 2d.
 Total: £7,535 13s. 4d.

cost per sq. ft. s d

Preliminaries and insurances	11½
Contingencies	8½

Work below ground floor level	3 11½
Normal dwelling house construction including solid ground floor.	

STRUCTURAL ELEMENTS

External walls	6 7½
----------------	------

Generally, 2-in. cavity wall with 4½-in. brick outer skin and 4-in. clinker concrete block internally. Shiplap boarding panels below windows.

$$\text{Ratio: } \frac{\text{solid wall}}{\text{floor area}} = \frac{1.25}{1}$$

Windows	1 9
---------	-----

Timber frame.

$$\text{Ratio: } \frac{\text{windows}}{\text{floor area}} = \frac{0.15}{1}$$

External doors	5½
----------------	----

Plywood faced.

Flush doors with glazed panel, painted.

$$\text{Ratio: } \frac{\text{doors}}{\text{floor area}} = \frac{0.05}{1}$$

Roof construction	2 4½
-------------------	------

Normal timber construction.

Actual area of roof: 4,210 sq. ft.

Glazing	2½
---------	----

Total of structural elements: 11s 5½d

PARTITIONING AND FITTINGS

Internal partitions	1 7½
---------------------	------

2½-in., 3-in., 4-in. breeze block.

912, 1,656, 594-ft. sup. respectively.

Internal doors	1 8
----------------	-----

88 single flush doors, ply.

12 pairs double cupboard doors, hardboard

Ironmongery	4½
-------------	----

Door and cupboard latches, in anodised aluminium.

Fittings	10½
----------	-----

Larder shelf, shelving, hat and coat rail, kitchen units, dustbins.

Total of partitions and fittings: 4s 7½d

FINISHINGS

Floor finishes	2 2
----------------	-----

Type of finish	Area in sq. ft.	Price per sq. yd.
Cement and granite	66	7s. 6d.
Thermoplastic tiles	2,662	17s. 6d.
Quarry tiles	198	32s. 0d.
Screeds are also included in the element price.		

Wall finishes	1 11
---------------	------

Plastered. Tile splash backs to kitchen.

Ceiling finishes	10½
------------------	-----

¾-in. plasterboard and skim.

Roof finishes	3 10½
---------------	-------

4,210 sq. ft. interlocking pantiles with felt on battens.

analysis

Decorations

Distemper on ceilings, emulsion paint on walls.
 External metalwork: prepare and 3 coats oil paint.
 Internal woodwork: KPS and 3 coats oil paint.
 Total of finishes: 11s 2½d

SERVICES

External plumbing

4 lb. lead flashings (special analysis iron).
 Rainwater pipes (enamelled cast iron).

Hot and cold water installation

Cold water tank and normal hot and cold services.
 Radiators in bedrooms (heated back boiler).

Sanitary fittings

Type of fitting	No. of each type
Lavatory basins	6
Baths (short special O.P. baths sunk in floor)	6
W.c.s	6
Sinks	6
Radiators	6

Heating and ventilation

All night fire grates with back boiler and surrounds.
 U value of walls: 0.2.
 U value of roof: 0.16.

Gas installation

18 points.

Electrical installation

250 p.v.s. sheathed cables.
 To each dwelling :
 6 No. light points.
 6 No. 13-amp. S. outlets.
 6 cooker points (wiring only).
 Total of services: 7s 9½d

Drainage

Glazed stoneware, soil and surface water.

Other elements

Brick outbuildings, concrete paths, f.e. board fences, etc.

Total per sq. ft. of floor area excluding external works:

£6,593 13s. 2d.
 3,237 sq. ft.

s d COST COMMENTS

2 4½

Before comparing these Harlow houses with the Architects Benevolent Society houses by Clifford Culpin, it is necessary to compare the preliminaries: it is a dangerous trap, in making direct comparisons between schemes analysed from time to time, to ignore the effect of this item, and can lead to false conclusions. The ABS homes give preliminaries as 8½ per cent of the cost; at Harlow they are 2½ per cent. The difference should be made to the element prices before setting the figures together.

When this is done we find that external walls with their windows and glazing are very similar indeed. The very small difference in favour of Harlow is due to the slight difference in wall-to-floor ratio.

Roof construction and covering added together show that the saving achieved at Harlow is some £16 per dwelling average, doubtless owing to the use of concrete tiles instead of clay.

Internally we find the plastered partitions are of similar construction, their cost at Harlow a shade cheaper, again attributable to the wall-to-floor ratio.

Internal and external doors with their ironmongery are some £22 cheaper at Harlow, and fittings in the kitchen are far less elaborate than in the ABS homes and account for a saving of £43. This is clearly a matter of standards.

9½ Floor, wall, ceiling finishes and decorations are similar in specification and in cost.

Hot and cold water installations with sanitary fittings are fairly similar and the costs again are remarkably close. The heating at Harlow, however, seems to be remarkably cheap at 9½d per sq. ft. and suggests that perhaps a part of this cost is included with another element. The electrical work is £36 less at Harlow—again doubtless a question of standards.

1 2½

In brief, the simpler standard of roof covering, doors, fittings and electrical installations at Harlow has saved over £100, which explains the difference in cost per square foot. In all other respects the schemes are very similar. Indeed, it would be hard to suggest any further savings in either scheme without the standard of accommodation or construction suffering.

The conclusion is therefore that, say, 41s per sq. ft. at today's prices is a fair building cost for old people's dwellings, well designed and constructed to a good local authority standard.

1 6½

4 3½

CONTRACTORS

Sub-contractors: Ironmongery: Parker, Winder & Achurch. Joinery: John Sadd. Thermoplastic tile flooring: Marley Tile Co. Ironmongery and sanitaryware: B. Finch & Co. Fireplaces: Allied Ironfounders Ltd. Roof tiles: Marley Tile Co. Bricks: Finnis Ruault and Nichols.

40 8½

working detail

WINDOWS: 72

WINDOW: COLLEGE IN OXFORD

Architects' Co-Partnership, architects



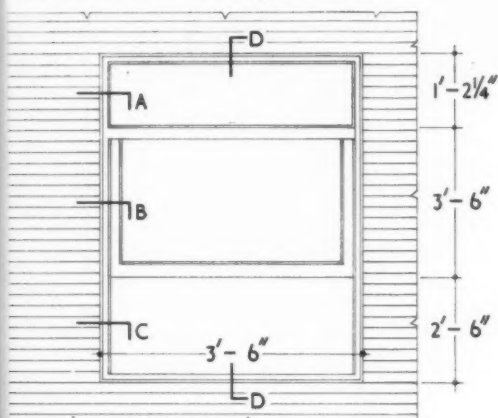
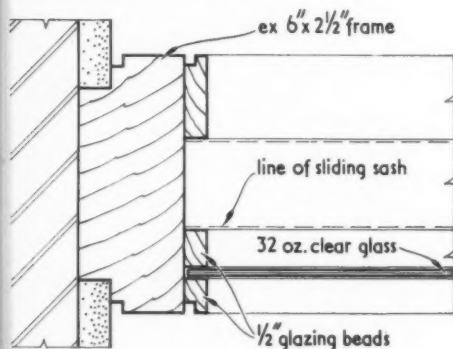
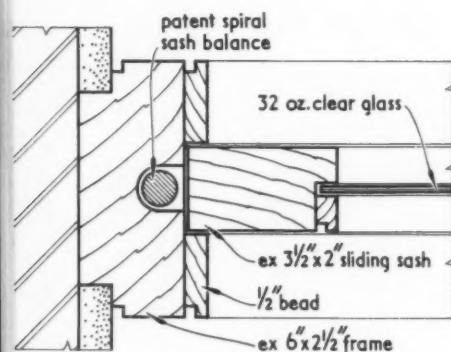
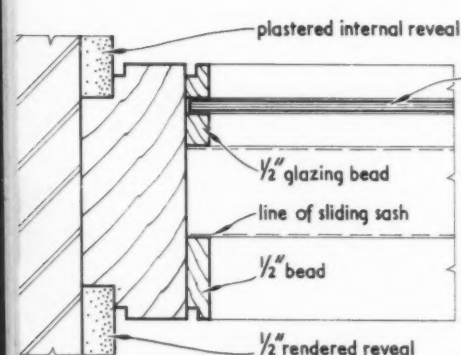
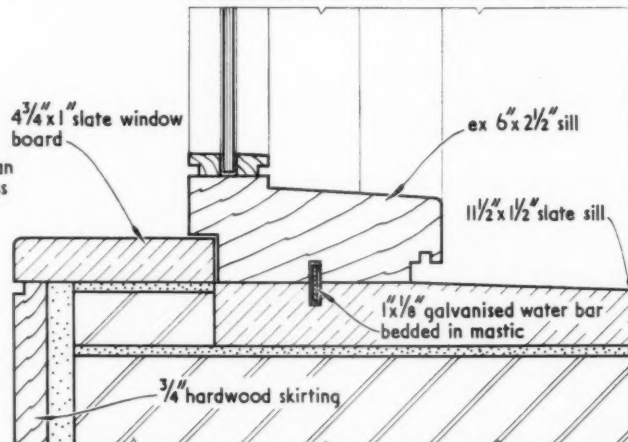
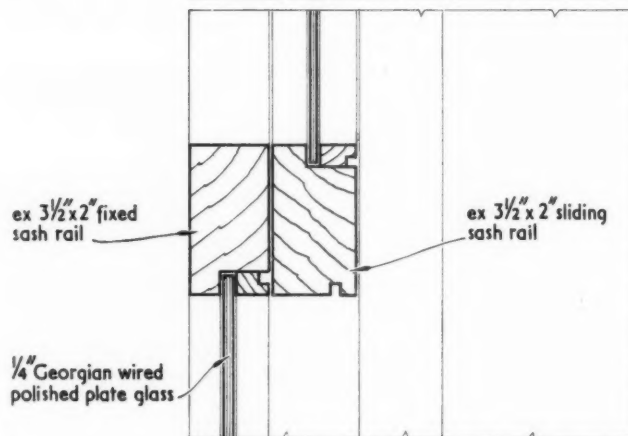
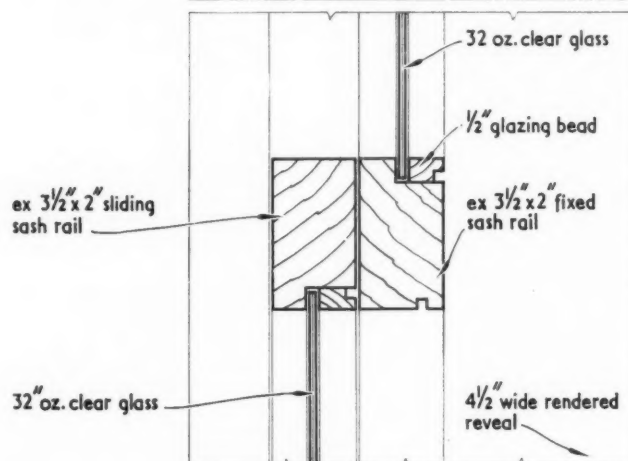
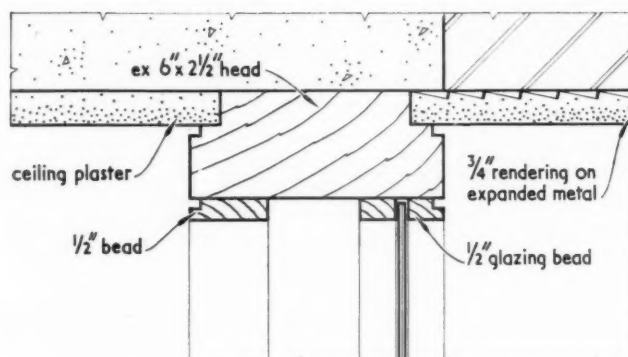
This version of the traditional sash has two fixed lights, one top and one bottom, and a vertical sliding sash between. Note the simplification of detail at the sill and the use of a bead to form an outside flange for the sliding sash.

working detail

WINDOW: COLLEGE IN OXFORD

Architects' Co-Partnership, architects

WINDOWS: 72

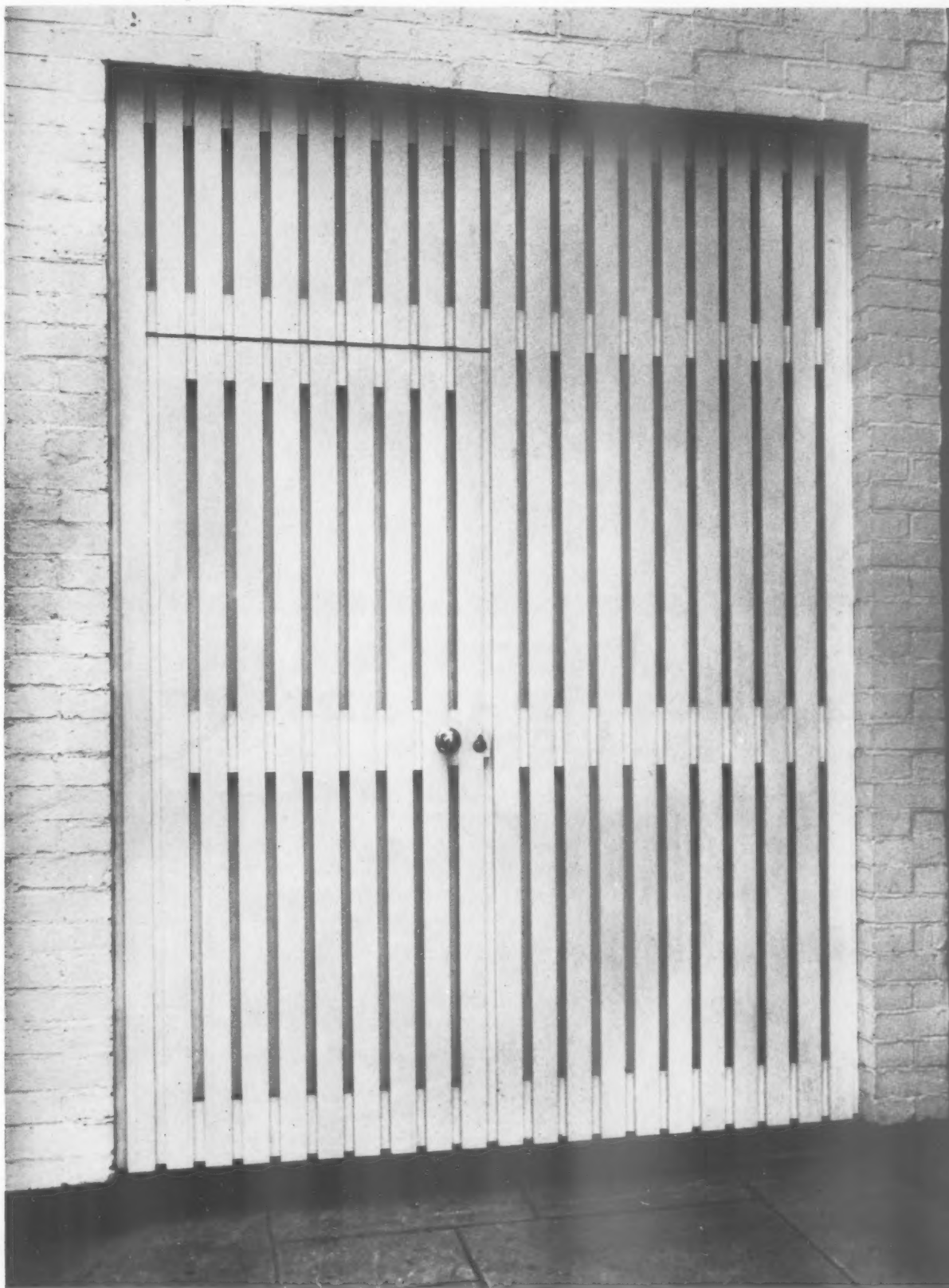
ELEVATION. scale $\frac{1}{4}'' = 1' - 0''$ PLAN AT A. scale $\frac{1}{4}$ full sizePLAN AT B. scale $\frac{1}{4}$ full sizePLAN AT C. scale $\frac{1}{4}$ full sizeSECTION D - D. scale $\frac{1}{4}$ full size

working detail

MISCELLANEOUS: 27

SCREEN: COLLEGE IN OXFORD

Architects' Co-Partnership, architects



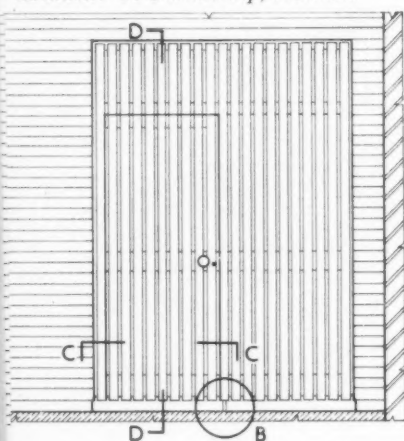
Though a utilitarian detail, this has been thought out with great care. Note the construction of the concealed lintel, the aligning of the slats on the door with those above and the use of a short length of m.s. tube at the foot of the door jamb.

working detail

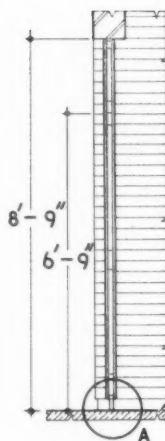
SCREEN: COLLEGE IN OXFORD

Architects' Co-Partnership, architects

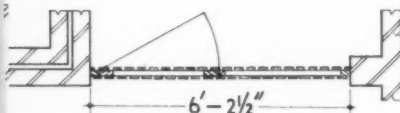
MISCELLANEOUS: 27



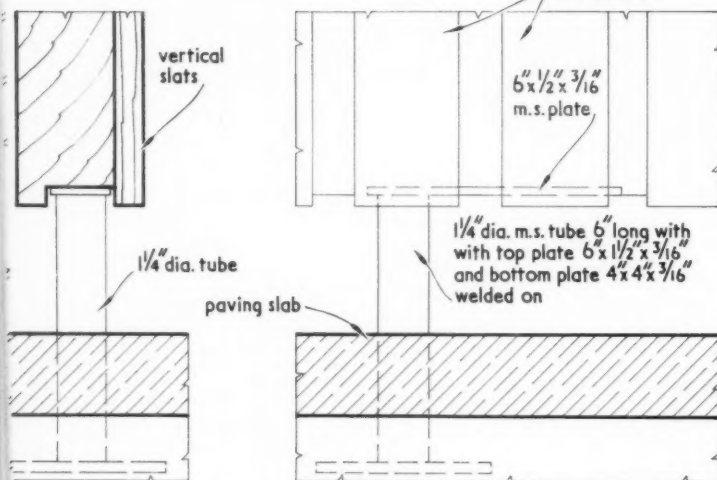
ELEVATION. scale $\frac{1}{4}'' = 1' - 0''$



SECTION.

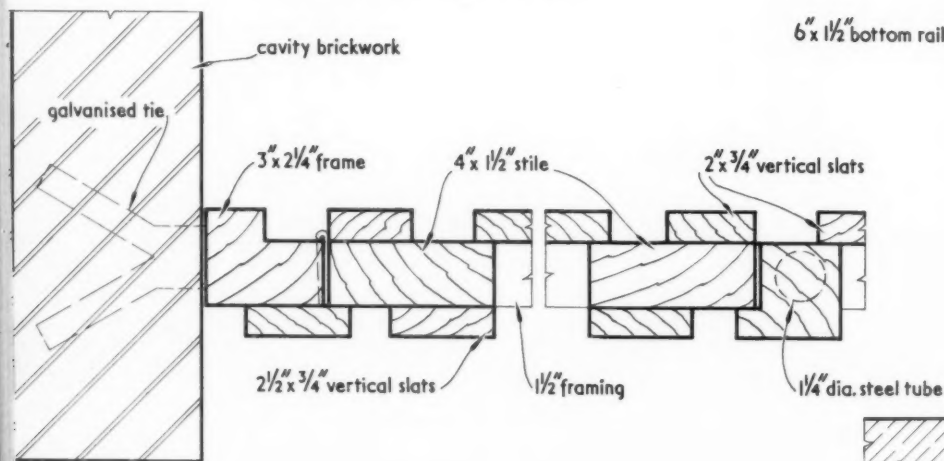


PLAN. scale $\frac{1}{4}'' = 1' - 0''$

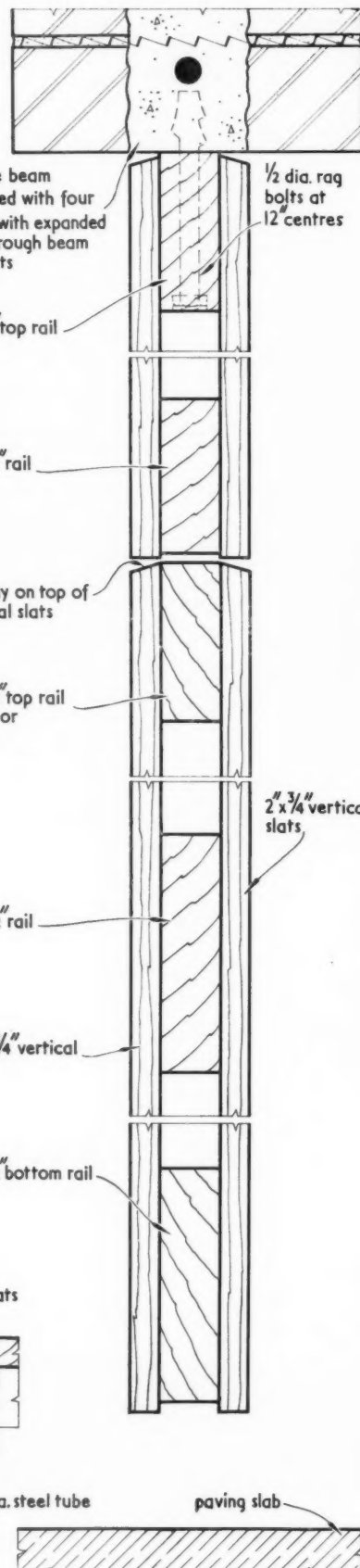


DETAIL AT A.

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



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



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



Glamorock used to gay effect on the Classic cinema, Chelsea. Architects: Doughton & Hurst, Contractors: W. Phillips & Son Ltd.

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or any builders' merchant.

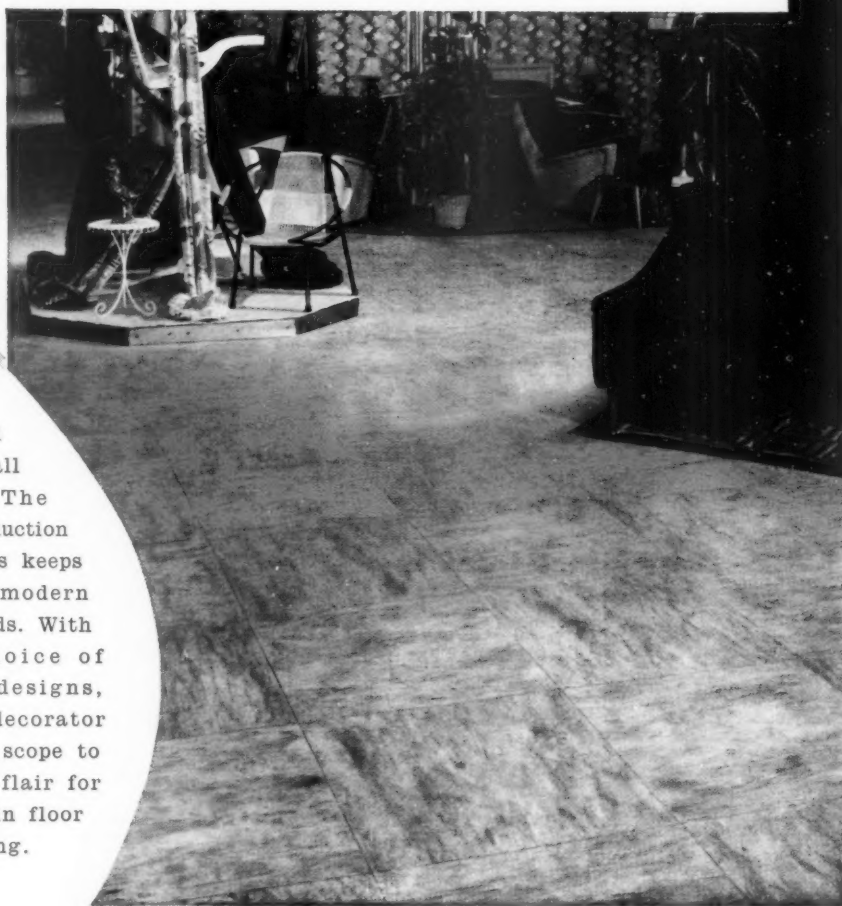
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Co-operative Wholesale Society Ltd., Falkland, Fife · Jas. Williamson & Son Ltd., Lancaster

News continued from page 687

CBAS

Officers Elected

At the Annual General Meeting of the City and Borough Architects Society the following members were elected to serve as officers for the next 12 months: *President*, Thomas E. North, Borough Architect and Planning Officer, West Ham; *Vice-President*, Johnson Blackett, Borough Architect, Newport; *Hon. Secretary*, S. A. G. Cook, Borough Architect, Holborn; *Hon. Treasurer*, E. A. Tornbohm, Borough Architect, Darlington; *Assistant Hon. Secretary*, Maurice H. Forward, Borough Architect, Lewisham. The other members of the Executive Committee are Brian Bunch, Borough Architect, Northampton; John Burton, Borough Architect, Widnes; David Percival, City Architect, Norwich; Maurice H. Forward, Borough Architect, Lewisham; H. Kellett Ablett, Chief Architect, Hemel Hempstead; John Burton, Borough Architect, Bournemouth; A. G. Sheppard Fidler, City Architect, Birmingham; J. L. Womersley, City Architect, Sheffield; F. G. Southgate, Borough Architect, Engineer and Surveyor, Walthamstow; J. H. Lloyd Owen, City Architect, Leicester.

FURNITURE MARK

No Award

The Furniture Makers' Guild announces that the Guild Mark Jury met on Monday,

March 16, and considered a number of submissions for the award of a Guild Mark and Guild Certificate of Merit. No awards, however, were made on this occasion. Further meetings of the Jury will take place during 1959 on June 18 and October 1.

The Jury only considers those pieces of furniture which are submitted to it and applications are invited. They should be sent to the Clerk, Furniture Makers' Guild, The Rectory, 29, Martin Lane, Cannon Street, London, E.C.4.

COURT OF APPEAL

Architects' Copyright

The Court of Appeal has awarded Jacek Stanislaw Czezowski, A.R.I.B.A., of Dove Mews, London, S.W., 40s. nominal damages for infringement of copyright against Messrs. George W. Warr & King, architects and surveyors, of Albion Street, Southwick. Mr. Czezowski had appealed against Judge Dutton Briant's decision at Brighton County Court on November 5, 1958, rejecting his claim for £80 damages. The Appeal Court allowed him his county court costs only up to the time of a payment into court by the respondents, and made no order as to the costs of the appeal.

Mr. Czezowski's case was that before he became a qualified architect he designed a pair of houses for a Mr. M. Martyn for erection at Shirley Drive, Hove. Without his consent respondents, in September, 1955, copied substantially his design for submission to

the local authority. Messrs. Warr and King said that because the local council found Mr. Czezowski's drawings unsatisfactory, at Mr. Martyn's request and as a matter of urgency they reproduced the drawings in proper form. Judge Dutton Briant held that there was no infringement.

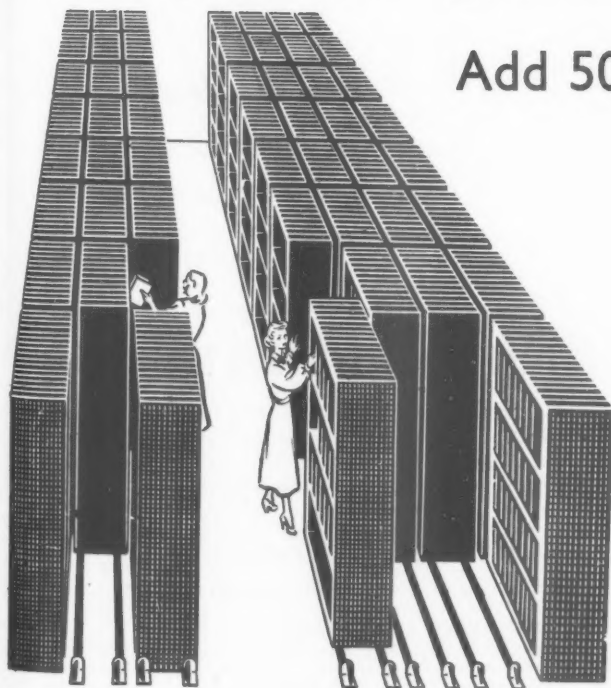
Answering the Master of the Rolls (Lord Evershed), Mr. Allott (for Warr and King) said that his clients had made no independent use of Mr. Czezowski's plans, and it was not denied that there was copyright in them. Giving judgment, Lord Evershed said that before carrying out Mr. Martyn's instructions, respondents wrote to Mr. Czezowski explaining that proper plans were urgently needed. "We are merely," they wrote, "acting as draughtsmen and do not desire to interfere in any way in the relationship between Mr. Martyn and yourself. Our own charges will be related to our actual costs."

"That I would have thought," commented his lordship, "was a sensible letter and appellant might have been quite pleased that his unfortunate client (Mr. Martyn) would by this means achieve the object he had in view."

Mr. Czezowski's claim was not one which, on merits, had a great deal to commend it. Reproduction of the plans by respondents did, however, constitute infringement, but he was not satisfied that putting the plans before the local authority constituted publication. Mr. Czezowski was entitled to damages for infringement, but his lordship thought they should be only the nominal figure of 40s.

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Contractors

LCC Homes for Old People (pages 701-707). *Architects:* Hubert Bennett, F.R.I.B.A., chief architect to the LCC; *Deputy:* F. G. West, A.R.I.B.A.; *Senior architect General Division:* D. C. H. Jenkin, F.R.I.B.A., A.M.T.P.I.; *Assistant:* P. E. Jones, A.R.I.B.A. **PICTON LODGE:** *Architect-in-charge:* John Stedman, A.R.I.B.A.; *Assistant:* Priscilla Simpson. *Consultants:* (structural) The Pre-Stressed Concrete Co. Ltd.; (heating) Couzens & Brown; (electrical) The Chief Engineer, LCC. *Quantity surveyors:* C. E. Ball & Partners and the Principal Quantity Surveyor, LCC. *Landscape layout:* Parks Department, LCC. *General contractors:* H. C. Richardson & Co. *Sub-contractors:* *Heating:* Brightside Heating and Engineering Co. Ltd. *Electrical:* A. G. Purdy & Sons Ltd. *Structural floors:* Concrete Ltd. *Metal windows:* The Crittall Manufacturing Co. Ltd. *Sanitary fittings:* Stitsons Sanitary Fittings Ltd. *Ironmongery:* W. N. Froy & Sons Ltd. *Rooflights:* T. & W. Ide Ltd. *Hardwood floors:* Hollis Bros. Ltd. *Cork tile floors:* Haskel Robertson Ltd. *External rendering:* Mineralite Ltd. *Terrazzo:* The Mosaic Terrazzo Precast Co. (Staines) Ltd. *Steel door:* Durasteel Ltd. *Lifts:* Bennie Lifts (Council's direct contract). *Linoleum and p.v.c. flooring:* Council's direct contract. *Landscaping:* Knowles & Weller Ltd. **STEWART'S LODGE:** *Architect-in-charge:* H. M. Hurley, A.R.I.B.A.; *Assistant-in-charge:* D. J. Woodhead, A.R.I.B.A.; *Assistant:* W. J. Lewandowski. *Consultants:* (structural) Senior Structural Engineer, LCC *Architect's Department:* (heating) Chief Engineer, LCC; (electrical) Chief Engineer (E), LCC. *Quantity surveyors:* Thurgood, Son & Chidgey and the Principal Quantity Surveyors to the LCC. *Landscape layout:* Parks Department, LCC. *General contractor:* The Bunting Construction Co. Ltd. *Sub-contractors:* A. G. Manley & Co. Ltd. *Electrical:* L. Power & Son Ltd. *Lift:* Express

Lift Co. Ltd. (Direct contract to LCC). *Cork flooring:* Rowen & Boden Ltd. (Korkoid Decorative Floors). *Self-adjusting railing fence:* Singer & Sames. *Sliding door gear:* P. C. Henderson Ltd. *Entrance doors:* J. G. Cherrington & Son. *Folding partitions:* Esavian Ltd. *Rainwater heads:* J. Young & Co. Ltd. *Tile hanging:* Pratt (Watford) Ltd. *Curtain track:* Comyn Ching & Co. (London) Ltd. *Fireplace surrounds:* Kirling Bros. *Ironmongery:* Lockerbie & Wilkinson (Birmingham) Ltd. *Dome rooflights:* T. & W. Ide Ltd. *Wall tiling:* W. B. Simpson & Sons Ltd. *Roller shutters:* G. Brady & Co. Ltd. *Sanitary fittings:* Stitsons Sanitary Fittings Ltd. *Wood strip flooring:* Central Flooring Co. *Anti-condensation plaster:* C. & T. (Pyrok Contracts) Ltd. *Linoleum:* Council's direct contract. *Landscaping:* Landscape & Public Works Ltd. **EASTWAY:** *Group leader:* H. M. Hurley, A.R.I.B.A.; *Assistant-in-charge:* A. J. Woodhead, A.R.I.B.A. *Assistant:* Miss S. B. Trasler, A.R.I.B.A.

Announcements

PROFESSIONAL

G. H. Dicken, F.F.A.S., M.Inst., R.A., Dip. Arch., has now moved to 2A, Banbury Road, Brackley, Northants.

Dr. N. C. Sidwell, Head of the Department of Building, Heriot-Watt College, Edinburgh, is planning a permanent building materials exhibition within the College and would be grateful if manufacturers of building materials could send all types of samples or cut-away sections.

T. Whatley & Son Ltd., Decorating Contractors and Interior Designers, of 286/290, Linthorpe Road, Middlesbrough, Yorks, have recently appointed Colin H. Johnson, Dip. Arch. (Dunelm), A.R.I.B.A., to the position of consultant architect, who would be pleased to receive all relevant trade literature.

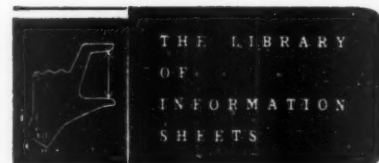
TRADE

The English Electric Co. have opened a new sub-office at 14, Albert Road, Middlesbrough (telephone Middlesbrough 44346/7). A. R. Johnson, B.Sc., A.M.I.Mech.E., A.M.I.E.E., A.M.I.Prod.E., is in charge.

G. A. Bendell, B.A. (Comm), until recently Hon. Secretary of the Development Committee of the Gypsum Plasterboard Development Association and Publicity and Public Relations Officer of British Plasterboard Manufacturing Ltd., has been appointed to the Board of Bellrock Gypsum Industries Ltd. In his capacity as Director and General Manager, Mr. Bendell will be in charge of the company's plaster and plasterboard developments in this country.

Pyglass Ltd. have now opened a Northern Office and Showroom at 8, Eldon Place, Leeds 2 (telephone Leeds 25792).

H. Newsum Sons & Co. Ltd., of Lincoln, have appointed L. Tower as their representative for the North-East area.



43.24. REFERENCE BACK

The manufacturer's London address is now 157, Clapham Road, S.W.9; the telephone number remains the same. The following should be added to the list of companies: Carter Tiling Edinburgh, 13, Steads Place, Edinburgh 6. Telephone Leith 39188.

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London Showrooms, 251 Tottenham Court Road, W.1

Guildford 62986
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Broadstone 626



The Roderic Hill Building, Imperial College, London. Architects: Newman & Dawbarn

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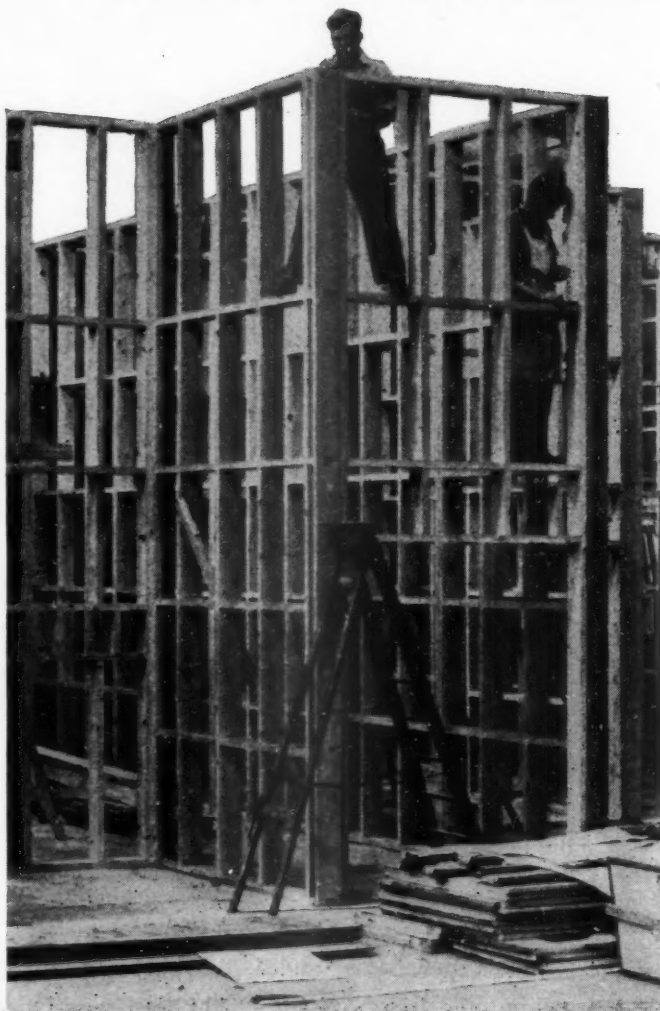
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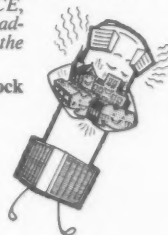
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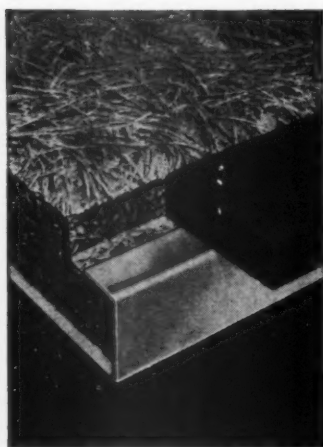
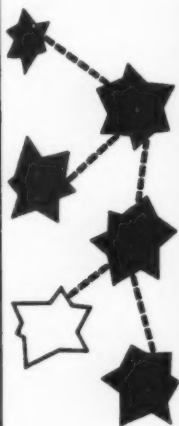
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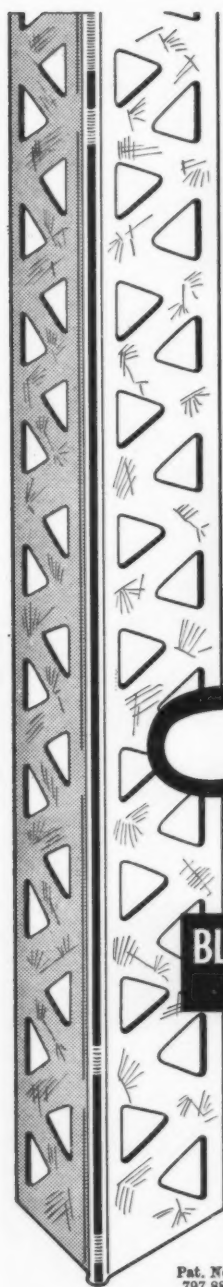
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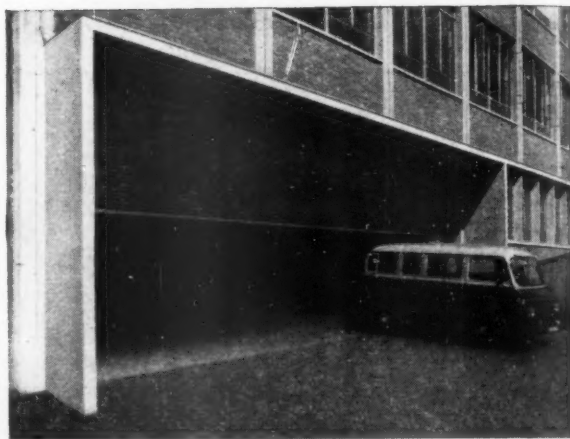
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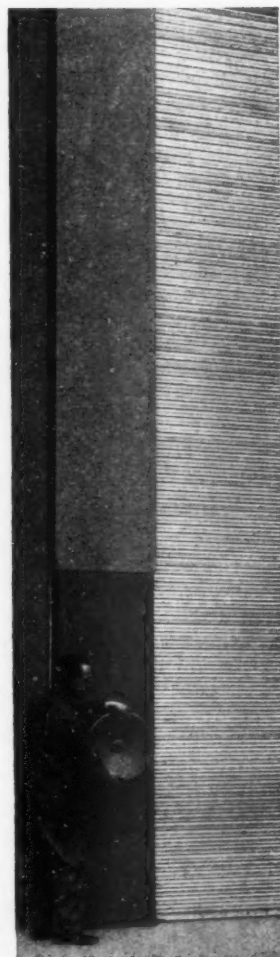
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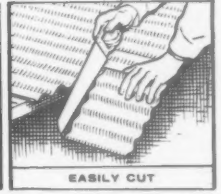
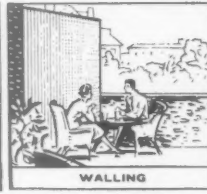
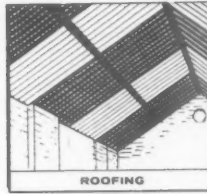
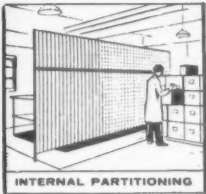
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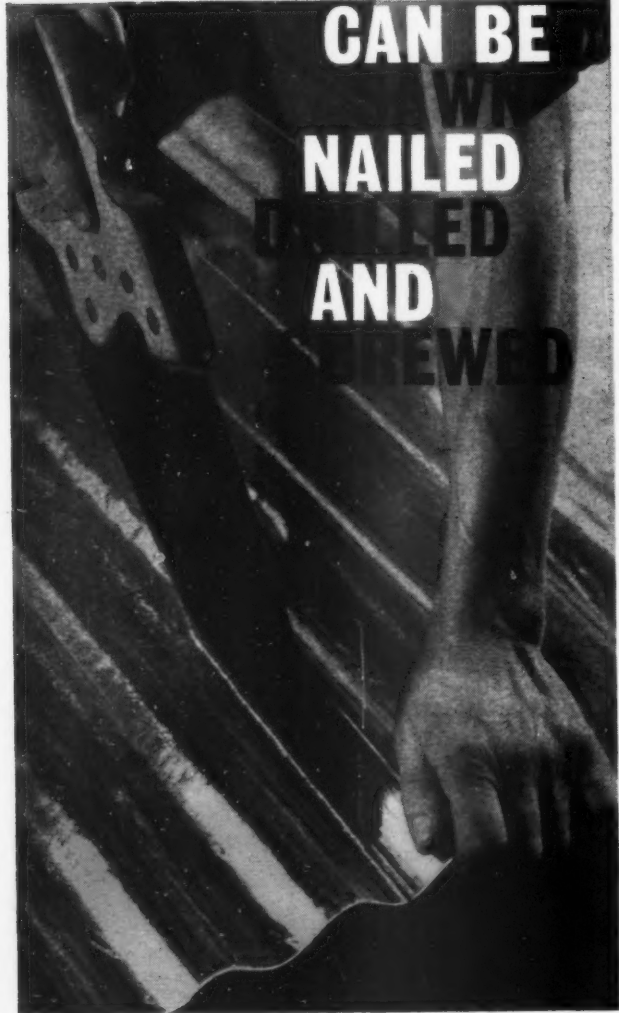
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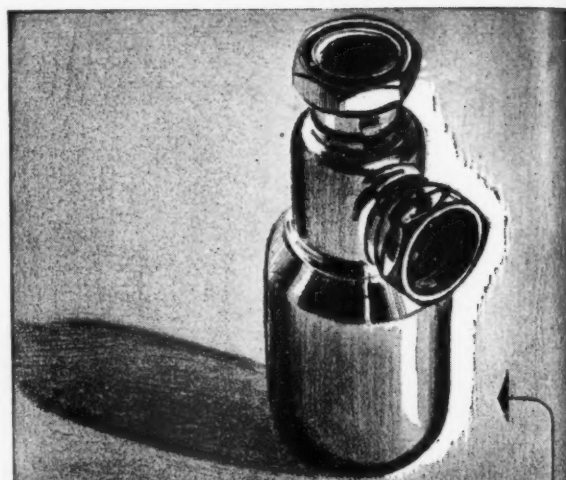


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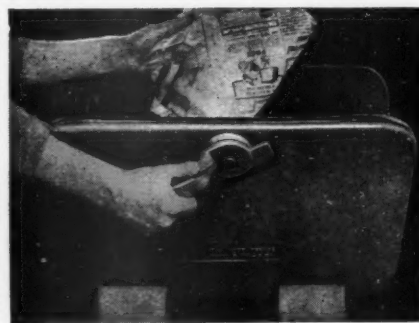
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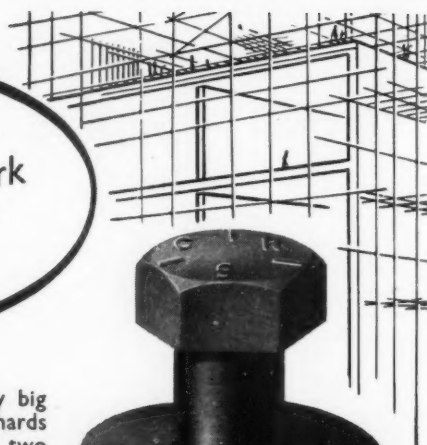
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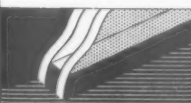
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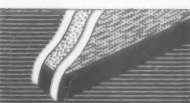
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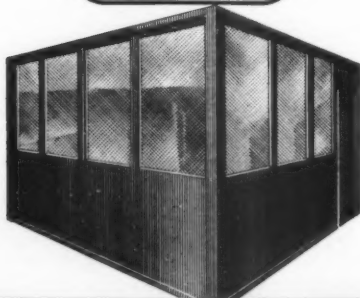
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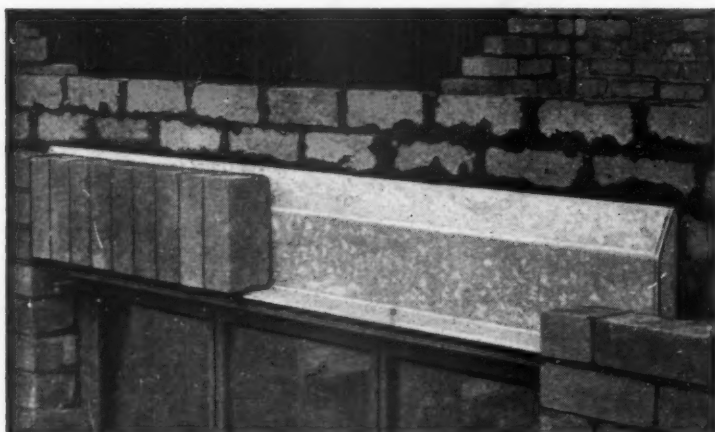
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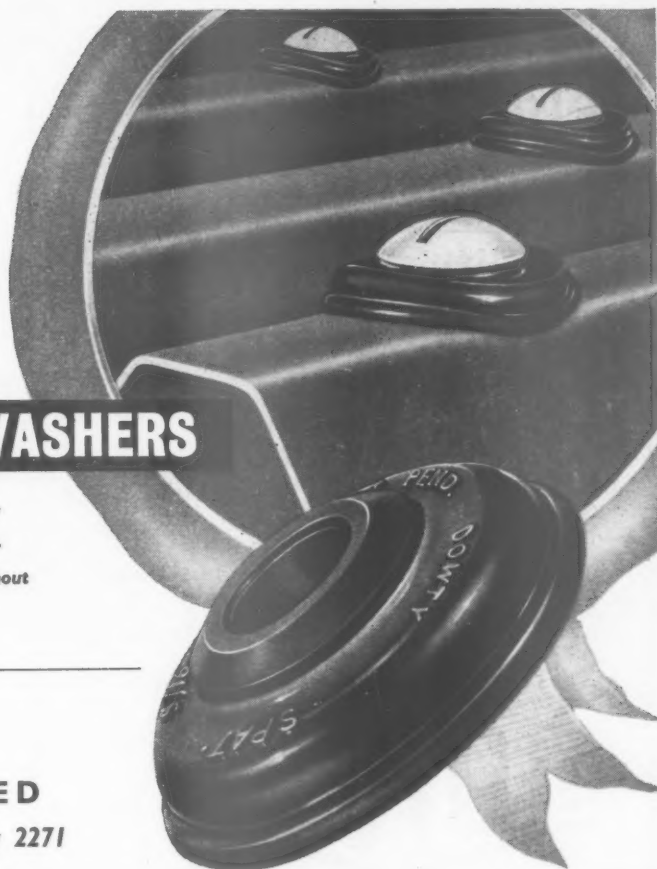
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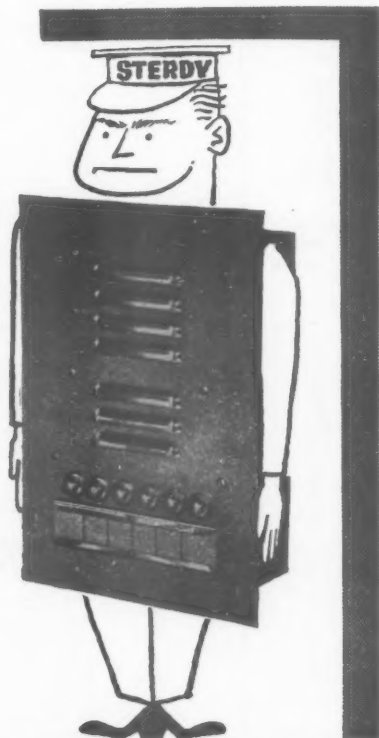
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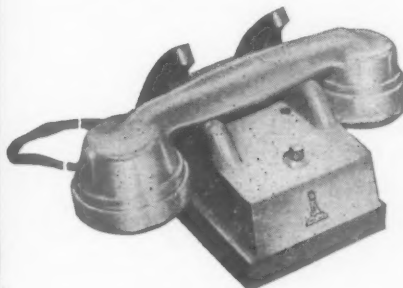
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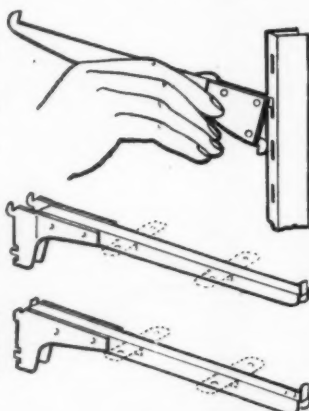
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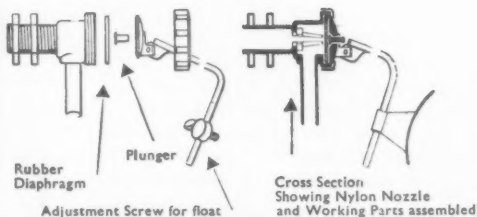
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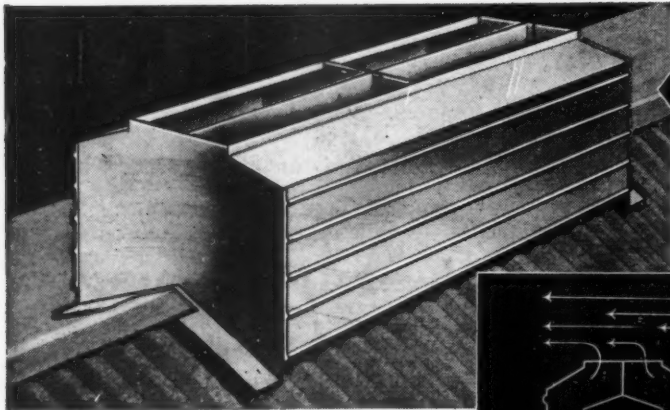
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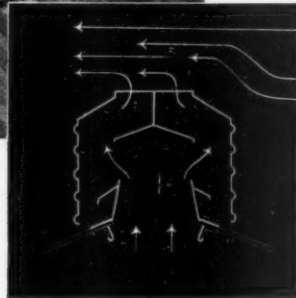


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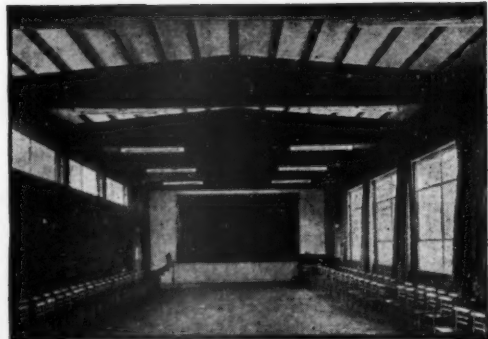
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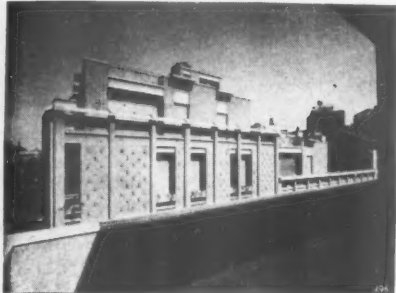
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APRIL

Neoliberty: a recent house in Milan by Figini and Pollini, discussed in Reyner Banham's article on the 1910 Revival in Italy, and the current retreat from Modern Architecture there.

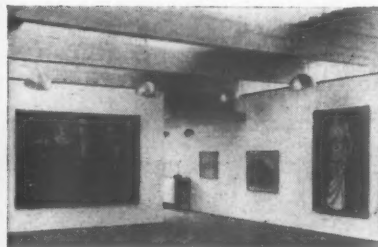


Without proscenium: the stage and amphitheatre of the Festival Theatre, Stratford, Ontario, designed by Rounthwaite and Fairfield, from Richard Leacroft's article on the open stage.



Eastbourne Terrace: right, one of the tall blocks from Cecil Elsom's street-long redevelopment scheme on bombed sites at the side of Paddington station.

MAY



Art Galleries: a room in the Louisiana museum of modern art (Architects: Bo and Wohlert) outside Copenhagen, from a survey of recent trends in art gallery design in this issue.



Plymouth Centre: Stage One of the new Civic centre for Plymouth (Architects: G. A. Jellicoe and Partners)—a multi-stage development whose townscape possibilities are explored in an article by Kenneth Browne.

Garrett Green Comprehensive School: Wandsworth one of a contrasting pair of new comprehensive schools in the 2,000 pupil class, designed by the Schools Division of the L.C.C. Architects' Department.



JUNE



Exposed Aggregate: Carl Nesjar in front of one of his sand-blasted murals, from John Stillman and John Eastwick-Field's survey of exposed concrete treatments.

Piccadilly after dark: illuminated and animated advertising, from Kenneth Browne's study "Advertising into Architecture," criticising recent proposals for the redevelopment of Piccadilly Circus.

Student Hostels: new buildings for Clare College, Cambridge, by David Roberts, described and illustrated in this issue, together with Sir Hugh Casson and Neville Conders' hostel in Holland Park.



The Architectural Review's new standard binding, with alternate years bound in black and white, and alternate volumes initialled A and B, makes easier the identification of individual volumes, and their proper replacement on the

shelf. The binding is buckram, and the price of binding per volume is 25s. Copies to be bound should be addressed, with the appropriate index, direct to the Architectural Press warehouse, Abbey House, 8 Victoria Street, London, S.W.1.

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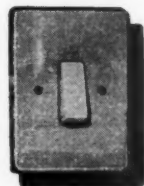
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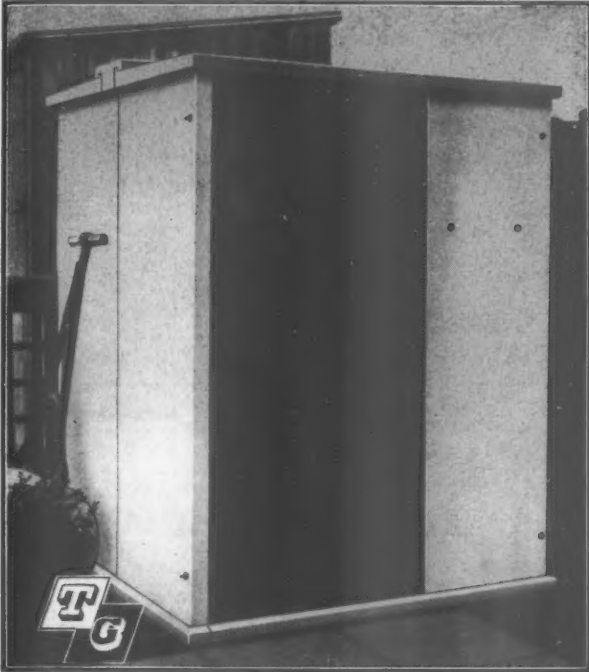
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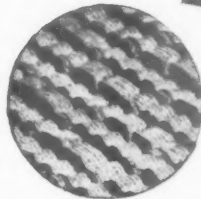
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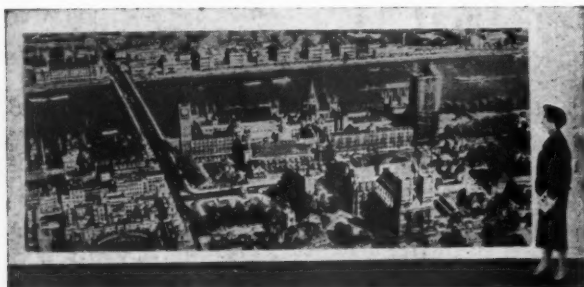
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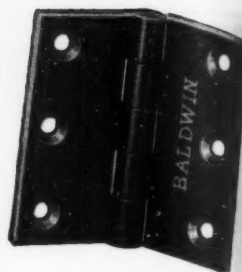
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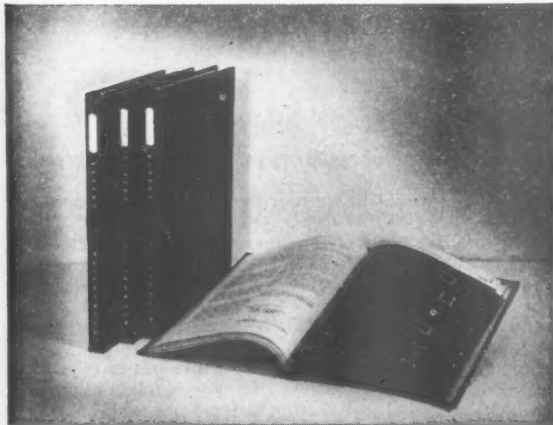
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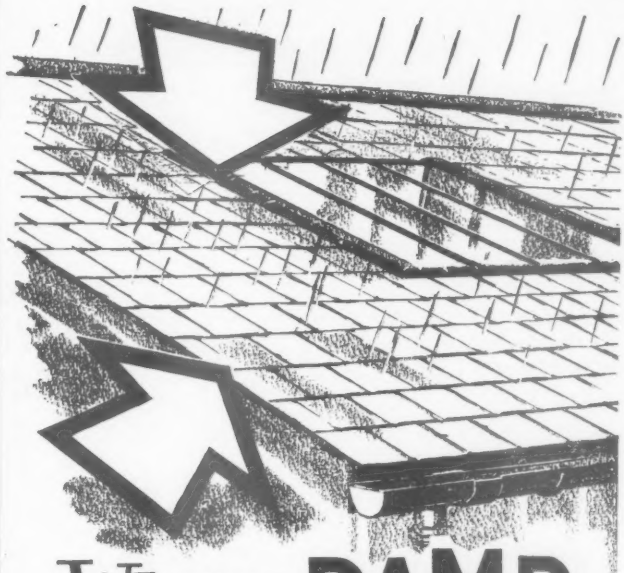


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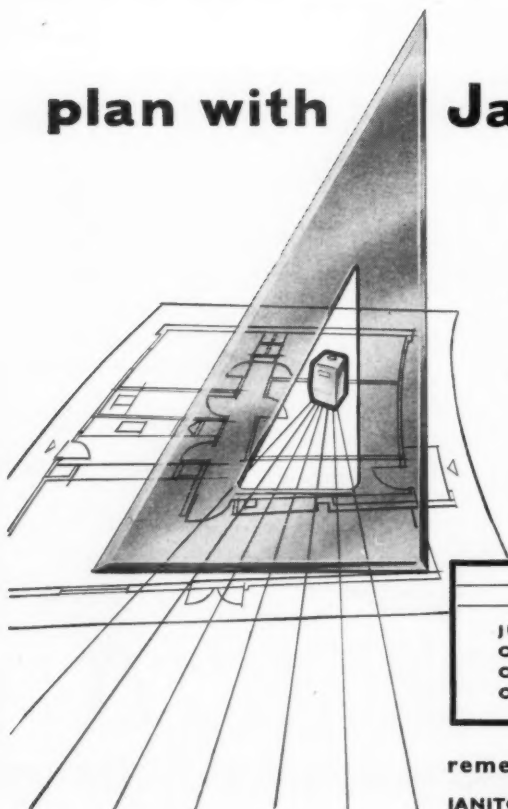
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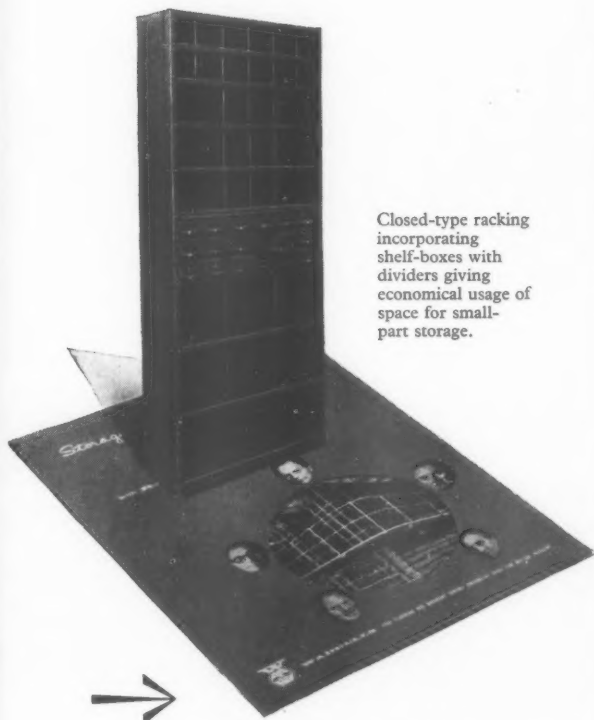
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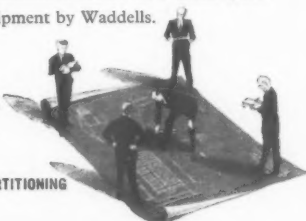
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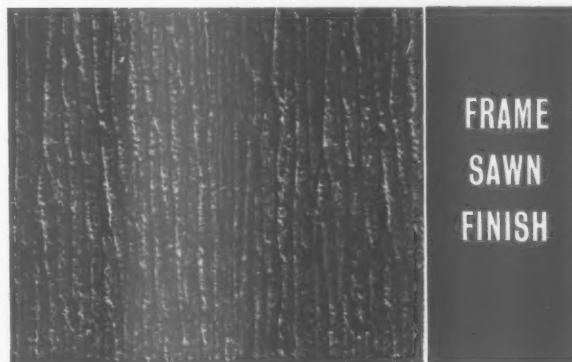
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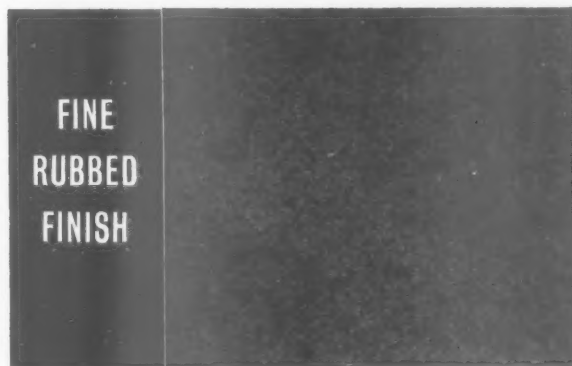


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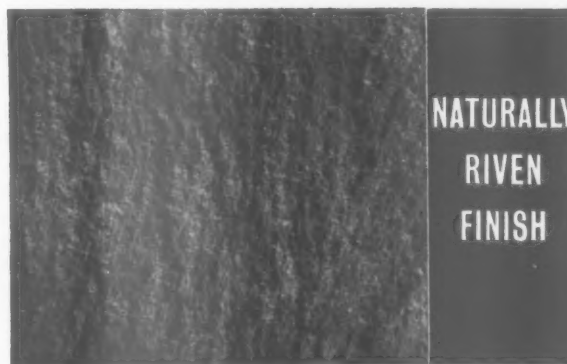
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The commencing salary will be in accordance with qualifications and experience. Contributions toward removal expenses will be considered. All appointments will be subject to the National Joint Council's Scheme of Conditions of Service. Application forms are obtainable from me, to whom they should be returned not later than Wednesday, 13th May, 1959.

D. H. PRITCHARD,

Town Clerk.

Town Clerk's Office.

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3960

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4011

WEST SUSSEX COUNTY COUNCIL

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(1) **CHIEF ASSISTANT ARCHITECT**, at a salary in accordance with A.P.T. Grade V of the National Scale of Salaries, £1,220—£1,275—£1,325—£1,375. Commencing salary according to experience.

(2) **SENIOR ASSISTANT ARCHITECT**, at a salary in accordance with A.P.T. Grade IV of the National Scale of Salaries, £1,065—£1,120—£1,170—£1,220. Commencing salary according to experience.

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Further particulars should be obtained from the County Architect, County Hall, Chichester, to whom all detailed applications must be submitted not later than 21st May, 1959.

T. C. HAYWARD,

Clerk of the County Council.

County Hall,
Chichester.

3rd April, 1959.

4016

COUNTY BOROUGH OF WEST HAM

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Application forms and details from Borough Architect & Planning Officer, 70, West Ham Lane, Stratford, E.15, returnable by 26th May, 1959. 4084

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Application form from Borough Engineer and Surveyor, Town Hall, Crouch End, London, N.8, to be returned by Wednesday, 20th May, 1959.

H. BEDALE,

Town Clerk.

4013

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LONDON COUNTY COUNCIL

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E. G. FELGATE, A.R.I.B.A.,

Borough Architect.

Borough Architect's Department,
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County Clerk.

County Buildings,
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4078

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CLERK OF WORKS (BUILDING AND STRUCTURAL)

Applications are invited for the appointment of a Temporary Clerk of Works (Building and Structural), in connection with the construction of a new 600 bed, approximate contract value £3,500,000 General Hospital at Huddersfield. Salary £1,000 per annum.

This project will be carried out in consecutive phases under the direction of the Regional Architect, P. R. Nash, A.R.I.B.A., and Messrs. Pite, Son and Fairweather. Preliminary contracts for the formation of the perimeter road and services ring mains and for the work of bulk excavation have been completed. The main building contract is scheduled to start in July/August 1959 and to continue thereafter for a period of approximately six years.

Applicants must possess a thorough knowledge of all aspects of the building trade and must have had extensive experience as Clerks of Works on multi-storey reinforced concrete framed buildings. Membership of the Institute of Clerks of Works or the possession of the Clerk of Works Diploma of the Association of Building Technicians an advantage.

Applications, stating age, qualifications, previous experience, together with the names of two Architects to whom reference may be made, to the Secretary, Park Parade, Harrogate, not later than 16th May, 1959. 4063

MIDLANDS ELECTRICITY BOARD

SENIOR DRAUGHTSMAN (Architectural) required at the Birmingham & District Sub-area Headquarters.

A thorough technical training and practical experience in the design of and the preparation of complete working drawings for new buildings and alterations to existing buildings is essential. Appropriate qualifications desirable.

Salary within the range £790/£1,030 per annum. (N.J.B. Schedule "D" Grades 5 or 4) according to qualifications and experience. Superannuable.

Apply, by letter, within 14 days stating age, experience, present position and salary to Emil Braathen, Sub-Area Manager, Midlands Electricity Board, 14, Dale End, Birmingham, 4.

A. STEPHENS,

Secretary.

4064

LONDON COUNTY COUNCIL

ARCHITECT, Grade III (up to £1,090) and **ARCHITECTURAL ASSISTANTS** (up to £860) required for maintenance and restoration work on historic buildings owned by Council. Candidates should have knowledge of historical architectural detail and special interest in work. Experience in the maintenance of buildings an advantage. Starting salaries according to qualifications and experience and at present under review. Particulars and application form returnable by 19th May, from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/42/59, County Hall, S.E.1. (922.) 4065

LONDON COUNTY COUNCIL

ARCHITECTURAL ASSISTANTS required up to £860 (at present under review). Full and interesting programme of houses, flats, schools and general buildings. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/43/59, County Hall, S.E.1. (923.) 4066

BOROUGH OF BRIDGWATER
APPOINTMENT OF ASSISTANT QUANTITY SURVEYOR

Applications are invited for the above appointment in the Borough Architect's Department, at a salary in accordance with A.P.T. Grade II (£765—£880 p.a.) of the National Scale of Salaries.

Applicants should be experienced in building and preparing Bills of Materials, measuring works in progress and preparing interim certificates and settlement of Final Accounts in connection therewith.

The appointment will be subject to the National Conditions of Service, the Local Government Superannuation Acts, a satisfactory medical examination, and termination by one month's notice on either side.

Applications, stating age, experience and qualifications and accompanied by copies of three recent testimonials are to be delivered to the Borough Architect, Town Hall, Bridgwater, not later than Monday, 18th May, 1959.

H. A. CLIDERO,

Town Clerk.

Town Hall,
Bridgwater.

4068

COUNTY COUNCIL OF ESSEX
COUNTY LAND AGENT AND VALUER'S DEPARTMENT

Applications are invited for the appointment of a **JUNIOR MALE ASSISTANT (ARCHITECTURAL)** on the Established Staff. Salary according to age and experience, not exceeding £560.

Candidates should be capable draughtsmen and have been trained in an appropriate professional office. The successful candidate will assist in the work of the Building Section of the Department. The work of this Section comprises the preparation of plans and surveys in connection with the erection of new houses and farmbuildings and improvements to existing properties.

Application forms, obtainable from the Chief Valuation Assistant, County Land Agent and Valuer's Department, 69, Duke Street, Chelmsford, should be returned to him by Friday, 22nd May, 1959.

Canvassing disqualified.

4109

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD

Applications are invited for the following post:
ASSISTANT BUILDING SURVEYOR
 Applicants must be Associate members of the R.I.C.S. and capable of preparing working drawings and specifications for alteration works, site surveying and levelling etc.

Salary scale: £730 × £25 (2) × £30 (2) × £35 (5) × £40 (1) — £1,055 plus £20—£50 London weighting. Apply stating age, qualifications (with dates) and experience together with the names and addresses of two referees to: Secretary, North West Metropolitan Regional Hospital Board, 40, Eastbourne Terrace, London, W.2, by 13th May, quoting reference 723. 4074

CITY OF SHEFFIELD

Applications are invited for the following posts on the staff of the Estates Surveyor, Mr. W. H. Rodwell, B.Sc., F.R.I.C.S.:

PROPERTY ASSISTANT (REPAIRS), Grade S.C. (£750—£1,030 (under review)).
 Qualification: A.R.I.C.S. (Building) or equivalent.

Applicants must have had wide experience in the maintenance of urban properties of all classes, particularly of repairs, conversions and demolition. Experience of a House Patching Scheme is desirable.

PROPERTY ASSISTANT, Grade II (£765—£880).
 Qualification: R.I.C.S. (Intermediate) or equivalent.

Applicants should be widely experienced in the letting and management of urban properties of all classes.

PROPERTY ASSISTANT (REPAIRS), Grade I (£610—£765).

Applicants should be experienced in the maintenance of urban properties of all classes, particularly of repairs, conversions and demolitions and/or should have passed the Intermediate R.I.C.S. (Building) or its equivalent.

The posts are superannuable subject to N.J.C. conditions of service and to medical examination. Applications stating post applied for, name, address, age, qualifications, experience, previous and present positions with dates and salaries and the names and addresses of two referees should reach the undersigned not later than 18th May, 1959.

JOHN HEYS,
 Town Clerk. 4075

COUNTY BOROUGH OF BOLTON BOROUGH ARCHITECT'S DEPARTMENT

Applications are invited for the appointment of an **ARCHITECT** within grades A.P.T. I to A.P.T. III (£610 to £1,065) according to qualifications. Commencing salary will depend on experience. The post is superannuable and subject to medical examination.

Applications giving full details, including age, experience, present post and salary, and naming two referees should be received by me not later than 18th May.

P. S. RENNISON,
 Town Clerk. 4066

BOROUGH OF EALING

(a) **TWO ARCHITECTURAL ASSISTANTS, A.P.T. IV (£1,055—£1,205 inclusive, under review).** Must hold recognised architectural qualifications.

(b) **JUNIOR ARCHITECTURAL ASSISTANT, A.P.T. I (£575—£725, plus London weighting, under review).** Must have passed Intermediate R.I.B.A. or its equivalent.

Full particulars and application forms from Borough Engineer, Town Hall, Ealing, W.5. Closing date 18th May, 1959.

E. J. COPE-BROWN,
 Town Clerk. 4092

BOROUGH OF HYDE

ARCHITECTURAL ASSISTANT A.P.T. Grade II
 Applications are invited from persons experienced in design, contract documents, contract supervision and management in housing and other building work. Particulars, examination qualifications, and names of three referees to Borough Surveyor, Municipal Buildings, Greenfield Street, Hyde, by 31st May, 1959.

JOHN BINNS,
 Town Clerk. 4096

CITY OF NEW SARUM

CITY ENGINEER'S DEPARTMENT
 Applications are invited for the following appointments on the established staff of the City Engineer:—

(i) **ENGINEERING ASSISTANTS (Grades A.P.T. II, III or Special)**

(ii) **ARCHITECTURAL ASSISTANTS (Grades A.P.T. II, III or Special)**

In each case the starting salaries will be dependent upon age, experience and qualifications. The posts are pensionable and subject to National Joint Council conditions, medical examination and one month's notice on either side. Housing accommodation will be made available if required.

Both appointments offer inter alia an interesting variety of design problems in connection with the Council's capital works programme.

Applications stating age, qualifications, present and previous appointments with salary, together with the names of two referees to The City Engineer, The Council House, Bourne Hill, Salisbury, by Wednesday, 20th May, 1959.

GEO. RICHARDSON,
 Town Clerk. 4087

CITY OF SHEFFIELD EDUCATION COMMITTEE COLLEGE OF TECHNOLOGY DEPARTMENT OF BUILDING

Applications are invited for the following additional posts, which result from the development of full-time and sandwich courses in Building, Civil Engineering and Quantity Surveying:—

(a) **LECTURER IN MUNICIPAL ENGINEERING and/or LAND SURVEYING** to be responsible for organisation and teaching of Surveying in Building and Civil Engineering sandwich courses and the full-time course in Quantity Surveying. Candidates should hold appropriate professional qualifications, with suitable industrial experience.

(b) **LECTURER IN MATHEMATICS** to be responsible for organisation and teaching of Mathematics within the Department, particularly in Civil Engineering and Building Sandwich courses and other professional courses. Candidates should hold graduate or equivalent qualifications, with suitable teaching experience.

(c) **LECTURER IN BUILDING SCIENCE AND MATERIALS** to be responsible for organisation and teaching of Building Science in the Building sandwich course, the full-time course in Quantity Surveying, and National Certificate courses. Candidates should hold suitable qualifications, with industrial and/or teaching experience.

Salary Scale for above posts: £1,200 × £30—£1,350 per annum, plus 5 per cent. Duties to commence on 1st September, 1959.

Application forms, obtainable with further particulars from the undersigned (s.a.e.) at P.O. Box 67, Leopold Street, Sheffield, 1, should be returned within 14 days of the appearance of this advertisement.

T. H. TUNN,
 Director of Education. 4043

CUMBERNAULD DEVELOPMENT CORPORATION QUANTITY SURVEYING STAFF

Vacancies exist for the following posts in the Department of the Chief Architect and Planning Officer:—

ASSISTANT QUANTITY SURVEYORS Grade B (Ref. Q.S.3)—Salary scale £1,034—£1,390, to take charge of a project from pre-planning stage to final account, working in close co-operation with Group Architect. A.R.I.C.S. required.

QUANTITY SURVEYING ASSISTANTS Grade C (Ref. Q.S.4)—Salary scale £631—£939. Intermediate A.R.I.C.S. preferred or otherwise must be suitably experienced.

APPRENTICE QUANTITY SURVEYORS (Ref. Q.S.5)—Salary scale £191—£531; commencing salary according to age. Must have passed five subjects at Scottish Leaving Certificate Lower Grade, at least three at one time, including English and Mathematics and a pass in Arithmetic. These posts offer an excellent opportunity for young men of or approaching school leaving age to train with a view to qualifying as Chartered Quantity Surveyors. Arrangements for attending part day and evening school courses will be made. The Chief Quantity Surveyor is a member of the Royal Institution of Chartered Surveyors.

Salary scales are those of the Whitley Council for New Towns Staff and appointments may be made above the minima of the scales. Assistance with housing may be given. Five-day week. Local Government Superannuation (subject to medical examination).

Write, quoting reference number of post, to the General Manager, Cumbernauld Development Corporation, Cumbernauld House, Cumbernauld, by Glasgow, for application form to be returned by 18th May, 1959. 4105

CITY OF SHEFFIELD CITY ENGINEER'S SURVEYOR'S DEPARTMENT

ASSISTANT STRUCTURAL ENGINEER, GRADE A.P.T. IV

Applications are invited from suitably qualified persons for the position of Assistant Structural Engineer, on the Staff of the City Engineer and Surveyor and Town Planning Officer H. Foster, M.A., M.I.C.E., M.I.Mun.E. The post is established in Grade A.P.T. IV (£1,065—£1,220 p.a.) and the commencing salary will be in accordance with experience and qualifications.

Candidates will be required to work in the Building Surveyor's Section of the Department, and should be capable of dealing with all kinds of structural proposals under the various codes of practice.

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 28th May, 1959.

JOHN HEYS,
 Town Clerk. 4113

TOWN HALL, SHEFFIELD, 1.**LONDON COUNTY COUNCIL**

ARCHITECTS AND BUILDING SURVEYORS required for improvements, alterations and extensions. Jobs up to £20,000. Selected candidates responsible for surveys, schemes, working drawings, specifications and supervising contracts. Up to £1,990 (at present under review) according to qualifications and experience. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/46/59, County Hall, S.E.1. (927.) 4088

BINGLEY URBAN DISTRICT COUNCIL APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT IN THE SURVEYOR AND ARCHITECT'S DEPARTMENT

Applications are invited for the following permanent appointment on the Surveyor and Architect's Staff:—

CHIEF ARCHITECTURAL ASSISTANT— Special Grade within the Scale £870 × £40—£1,030.

Candidates for the post should have had considerable training and experience in housing design and development, and general architectural work. Preference will be given to candidates who have passed the final examination of the Royal Institute of British Architects or have passed Parts I and II.

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

Applications, stating age, qualifications, training and experience, and details of past and present appointments, accompanied by copies of two recent testimonials, or the names and addresses of two referees, should be forwarded, endorsed "Chief Architectural Assistant," to the undersigned before Wednesday, 13th May, 1959. Housing accommodation may be made available.

F. M. DUNWELL,
 Clerk of the Council. 4114

Town Hall, Bingley.**CITY OF LEICESTER CITY ARCHITECT'S DEPARTMENT**

Qualified Architects are required as follows:—

ASSISTANT ARCHITECT Education Section

Grade A.P.T. IV £1,065/£1,220.

ASSISTANT ARCHITECTS Education Section

Special Grade £750/£1,030 (subject to amendment)

ASSISTANT ARCHITECT Housing section

Special Grade £750/£1,030 (subject to amendment)

Education architects will work within a group system on interesting new schemes including C.A.S.P. projects.

The work of the housing architects includes the redevelopment of central areas. Previous Local Government experience not essential. Housing accommodation, at an economic rent, will be provided, if necessary. National conditions of service apply.

Applications, stating post applied for, together with names of two referees, should reach the undersigned not later than Wednesday, 20th May, 1959.

J. H. LLOYD OWEN,
 City Architect. 4125

10 Loseby Lane, Leicester.**CHURCH COMMISSIONERS**

Applications are invited for the post of **ARCHITECTURAL ASSISTANT**, based in London, for Drawing Office duties—new works and maintenance of domestic buildings. Candidates should be at Inter R.I.B.A. standard. Salary, according to experience, within the scale of £820 × £30—£1,075.

Apply in writing to the Establishment Officer, Church Commissioners, 1, Millbank, Westminster, S.W.1, not later than 19th May, 1959. 4126

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD

ASSISTANT ARCHITECT—good experience of design and construction necessary, preferably in hospital work. Applicants must be Associate Members of the R.I.B.A. Salary scale: £730 × 25(2) × 30(2) × 35(5) × 40(1) — £1,055 plus £20—£50 London Weighting. Ref. 724.

ARCHITECTURAL ASSISTANTS also required. Applicants must have Inter R.I.B.A. Salary scale: £545 (age 21) × 20(3) × 25(4) × 30(2) — £765 plus £20—£50 London Weighting. Ref. 725.

Commencing salary above minimum may be paid according to relevant practical experience appropriate to the posts. Whitley Council conditions, superannuable.

Apply, stating age, qualifications (with dates) and experience together with the names and addresses of two referees, to Secretary, North West Metropolitan Regional Hospital Board, 40 Eastbourne Terrace, London, W.2, by 18th May, 1959, quoting appropriate reference number. 4132

GOVERNMENT OF MAURITIUS**TOWN AND COUNTRY PLANNING OFFICER****MINISTRY OF WORKS AND TOURISM**

To advise and supervise on all aspects of town and country planning.

Contract appointment. Salary £1,800, plus gratuity. Free passages.

Candidates preferably under 45 must be A.M.T.P.I. and have at least five years' experience.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving age, qualifications and experience, quoting BCD.112/52/07. 4135

STATISTICIAN (Assistant Planning Officer (Research))—A.P.T. Special Grade (£750—£1,030) for County Borough of Southampton, Borough Architect's Department.

Duties: Research; Compilation of planning statistics; Direction of survey work on population, employment, etc., in connection with review of Development Plan.

Qualifications:—University Degree in economics or other appropriate subject, with special reference to statistics.

Commencing salary according to experience. Candidates should state housing requirements.

Application Forms from the Borough Architect, Civic Centre, Southampton, returnable by 25th May, 1959. 4152

**CITY OF LIVERPOOL
ARCHITECTURAL AND HOUSING
DEPARTMENT
APPOINTMENT OF ARCHITECTURAL
ASSISTANTS**

Applications are invited for the following appointments:—

- (a) SENIOR ASSISTANT (Architectural), A.P.T. V. (£1,220—£1,375 p.a.).
(b) ASSISTANT (Architectural), A.P.T. IV (£1,065—£1,220 p.a.).

Applicants for: (a) should have had experience of Slum Clearance and Redevelopment Work, be an A.R.I.B.A. and preferably also A.M.T.P.I.; (b) should be an A.R.I.B.A. and have had experience in a Housing Section.

Application forms, returnable by 31st May, 1959, obtainable from the City Architect and Director of Housing, Blackburn Chambers, Dale Street, Liverpool, 2.

The appointments are supernumerary and subject to the Standing Orders of the City Council. Canvassing disqualifies.

THOMAS ALKER,
Town Clerk.

Municipal Buildings.

MOBIL OIL COMPANY LTD. invites applications for the post of ARCHITECTURAL ASSISTANT in their London Office. Applicants should be of intermediate standard, have experience in contemporary design, and be capable of working independently. A high standard of presentation is required. Pension scheme; sickness benefits; luncheon vouchers; sports and social club. Write giving details of experience, age and salary required to Employment Adviser, Mobil Oil Co. Ltd., Caxton House, Westminster, S.W.1, quoting ref. AAL 9899 A.

URBAN DISTRICT COUNCIL OF BASILDON
(Population 75,000—27,000 acres—rapidly developing district)

ARCHITECTURAL ASSISTANT (ESTABLISHED)—WITHIN A.P.T.I. (£610—£765)

This appointment offers work of an interesting and varied nature and calls for practical experience.

Housing accommodation will be considered. Full particulars and application form from and the latter returnable to Mr. S. A. Wadsworth, A.M.I.C.E., A.M.I.Mun.E., Engineer & Surveyor, Council Offices, High Street, Billericay, Essex. Closing date 25th May.

NORFOLK EDUCATION COMMITTEE

Applications are invited for the following:—

1. ASSISTANT ARCHITECT—Salary—Special Grade (at present under review).
2. ARCHITECTURAL ASSISTANT. Salary A.P.T. Grade III (£880 to £1,065).
3. JUNIOR ARCHITECTURAL ASSISTANT. Salary A.P.T. Grade I (£610 to £765).

For 1 and 2, experience necessary in the planning and erection of large buildings.
For 3, good general architectural experience necessary.

Forms of application from the undersigned to be returned within ten days of the date of this advertisement.

F. LINCOLN RALPHS,
Chief Education Officer.

County Education Office,
Stracey Road,
Norwich.

**COUNTY COUNCIL OF SUTHERLAND
COUNTY ARCHITECT'S DEPARTMENT,
DORNOCH**

Applications are invited for the following appointments on the temporary establishment of the County Architect's Department, Dornoch, Sutherland—two ARCHITECTURAL ASSISTANTS.

Applicants should have a good knowledge of school construction. The salaries shall be Grade A. & P. VII: the appointment will be subject to termination by three months' notice in writing on either side, to the provisions of the Local Government Superannuation (Scotland) Act, 1937, and to conditions of service of the National Joint Council. The successful candidate will require to pass a medical examination.

Applications, stating age, qualifications, present and past appointments, and details of experience, together with the names of three persons to whom reference can be made as to ability, should be forwarded to the undersigned not later than 18th May, 1959.

Canvassing, directly or indirectly, will disqualify.

A. J. MACRAE,
County Clerk.

County Offices,
Golspie.

**CITY OF SALFORD
CITY ENGINEER & SURVEYOR'S
DEPARTMENT**

Applications are invited for the appointment of two JUNIOR ARCHITECTURAL ASSISTANTS at salaries in Grades A.P.T. I—III (£610 per annum to £1,065 per annum), the point of entry to depend upon qualifications and experience.

Facilities for completion of professional training may be given to the successful candidates. The work of the Department affords experience in a wide variety of Architectural projects carried out for all Committees of the Council.

The appointment will be subject to the provisions of the Local Government Superannuation Acts, the National Scheme of Conditions of Service, the Standing Orders of the City Council, the passing of a medical examination, and is determinable by one calendar month's notice.

Housing accommodation will be provided in approved cases.

Applications, stating age, qualifications and details of experience together with the names of two referees, should be sent to the City Engineer & Surveyor, Town Hall, Salford, 3, Lancs. and to be received not later than Tuesday, 19th May, 1959.

R. RIBBLESDALE THORNTON,
Town Clerk.

**BOROUGH OF GOSPORT
APPOINTMENT OF ASSISTANT ARCHITECT**

Applications are invited for the appointment in the Borough Engineer's Department of an Assistant Architect—Special Grade, £750 × £40—£1,030 per annum (Salary scale at present under review by the National Joint Council).

Applicants should have passed Parts I and II of the R.I.B.A. final examination, and will be required to work in conjunction with low-cost housing and multi-storey development.

The appointment will be subject to the following:—

- (i) The National Scheme of Conditions of Service.
(ii) Medical Examination.
(iii) The Local Government Superannuation Acts.

(iv) One month's notice on either side. Applications, giving age, full details of qualifications and experience, together with the names and addresses of two referees, should reach the undersigned not later than first post on Saturday, the 23rd May, 1959.

EDWARD ADDENBROOKE,
Town Clerk.

Town Hall,
Gosport, Hants.

**COUNTY BOROUGH OF CROYDON
ARCHITECTURAL ASSISTANTS**

Applications are invited for appointments for the Council's general architectural work, which includes a variety of interesting projects. Commencing salary according to qualifications and experience within the following grades:

- A.P.T. I—£630—£795 p.a.
A.P.T. II—£785—£910 p.a., rising when fully qualified to about £1,100 p.a.

Applicants for the higher appointments should have passed the R.I.B.A. Intermediate Examination.

Further particulars and application form from the Borough Engineer, Town Hall, Croydon; closing date 25th May, 1959.

E. TABERNER,
Town Clerk.

**BOROUGH OF ENFIELD
CLERKS OF WORKS**

Applications are invited for Two Clerks of Works at salaries within Grade A.P.T. I (£610—£765 per annum plus London weighting of £30) for supervision of the erection of Council houses and flats and School extensions.

The posts are temporary and duration will be dependent on continuation of the Housing and Schools programme.

Applicants must have a thorough knowledge of all building trades, experience in reinforced concrete work and be familiar with the duties of a Clerk of Works.

Applications on forms obtainable from H. D. Peake, M.Sc.(Eng.), M.I.C.E., Borough Engineer & Surveyor, 7, Little Park Gardens, Enfield, Middx., to be received by the 19th May, 1959.

CYRIL E. C. R. PLATTEN, L.I.B.
Town Clerk.

Public Offices,
Enfield, Middx.

URBAN DISTRICT COUNCIL OF BASILDON
(Population 75,000—27,000 acres—rapidly developing District)

ARCHITECTURAL ASSISTANT (Established) within A.P.T. II (£765—£880 p.a.)

This appointment offers work of an interesting and varied character and calls for practical experience. Housing accommodation considered. Full particulars and application form from and the latter returnable to Mr. S. A. Wadsworth, A.M.I.C.E., A.M.I.Mun.E., Engineer & Surveyor, 108, High Street, Billericay, Essex. Closing date 19th May.

Architectural Appointments Vacant

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

ARCHITECTURAL firm in Home Counties with varied practice, require ASSISTANTS. Intermediate, qualified, or at that standard. State experience and salary required to Box 3099.

ARCHITECTS' co-partnership require ASSISTANTS for working drawings and detailed design. Salary according to experience. Write 44 Charlotte Street, London, W.1, or telephone Langham 5791.

W. H. WATKINS, GRAY & PARTNERS require ASSISTANT for interesting Hospital work, pension scheme in operation. Write or phone, 57, Catherine Place, S.W.1. Victoria 7761.

ASSISTANT of Intermediate/Final standard required in Croydon office. Varied and interesting work. Five-day week, holiday this year. Apply by letter to Hugh Macintosh & Partners, 33/35, High Street, Croydon.

ARCHITECTURAL ASSISTANTS required about Intermediate standard. Opportunities for good all round experience. Please write stating age, experience and Salary required. Box 3386.

EXPERIENCED SENIOR MEN required for interesting commercial projects in London. Holiday arrangements will be recognised. Five-day week. Salary according to experience. Phone City 8811.

WELLS, HICKMAN & PARTNERS need a keen ARCHITECTURAL ASSISTANT capable of working without supervision. Several years' experience, sound knowledge of construction and very good draughtsmanship are vital. Salary £750—£850. Please ring TER 1404 for appointment.

SENIOR AND JUNIOR ARCHITECTURAL ASSISTANTS required for varied range of contemporary work. Write with full details of previous experience, age, nationality and salary required to: Michael Lyell, A.R.I.B.A., 16, Yeoman's Row, London, S.W.3.

SENIOR ASSISTANT required of Intermediate/Final standard. Sound training, experience private practice. Accommodation difficult, single man therefore preferred. Buy private practice, Jersey, Channel Islands. Apply, stating salary required, when free, etc., to Box 3895.

PLAYNE & LACEY immediately require ARCHITECTURAL ASSISTANTS (Final and Intermediate) in office with varied practice. Write 19, Queen Anne's Gate, Westminster, S.W.1, or telephone WHL 2552, stating salary required.

ARCHITECTURAL ASSISTANT required. Age 25—35. Full qualifications not as essential as experience in an architect's office and ability to produce working drawings. Apply in writing, stating qualifications, to Oliver Law & Partners, F/R.I.B.A., 36, Ebury Street, S.W.1.

SENIOR and INTERMEDIATE ASSISTANTS invited to join an expanding Architect's practice in Edgbaston, Birmingham, which offers exceptional prospects. Box 3906.

INTERMEDIATE standard ASSISTANT with experience of industrial work required for arrangements. London (City) Office. Salary by arrangement. Write Box 3965.

**The new aids to
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FULLY GUARANTEED**

Patent No. 764973



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ARCHITECTS' ASSISTANT required, capable of handling jobs from beginning to end. Work varied, but mainly Commercial, Factory, and Alterations. Excellent prospects for the right man in an old established practice within 10 miles west of London. Apply Box 3940.

TEMPORARY ARCHITECT'S ASSISTANT urgently required. Good draughtsmanship and a sound knowledge of building construction essential. Application in writing, giving full particulars, to Alfred H. Howard, L.E.I.B.A., West Way House, St. Thomas Street, Winchester, Hants. 3946

LANCHESTER & LODGE urgently require ASSISTANTS in all grades for large and interesting projects. Five-day week and luncheon vouchers. Write full particulars, or ring Secretary, 10, Woburn Square, W.C.1. Museum 0845. 3947

ASSISTANT ARCHITECT required for industrial and commercial office. Applicants must have experience in this type of work. Qualifications desirable but not essential. Permanent and progressive appointment. Salary in range £850 to £1,000 per annum. Apply P. L. Howells, A.R.I.B.A., Chief Architect, Cow & Gate Ltd., Central Buildings, North Street, Guildford, Surrey. 3949

ARCHITECTURAL ASSISTANT of some years' experience required. Gray's Inn office. Salary £700-£900, according to capability and training. Write Box 3951.

REQUIRED in Oxford office of W. H. Watkins, Gray & Partners, ASSISTANT to work on advanced Technical Laboratory. Apply in writing to 57, Catherine Place, S.W.1, or ring for appointment Vic 7761. 3955

MANCHESTER Architects with varied practice including school projects, hospital work and housing require Senior and Junior ASSISTANTS; salaries by agreement. Box 3956.

45 MILES LONDON. You'll take the job if you apply. I can offer an interesting office, busy and varied work. Salary will please because I am desperate and an appointment is urgent. Pre or Post Intermediate. Apply Box 4007.

COMPETENT FEMALE ARCHITECTURAL ASSISTANT required for Norfolk Country Practice. Intermediate standard. Reply with details of age, experience and salary required to Box 4020.

ARCHITECTURAL ASSISTANT required, Intermediate standard. Scope for use of own initiative. Varied experience including hospital, ecclesiastical, domestic and general work. Good draughtsmanship essential. Apply, giving full details including salary required, to: H. Anthony Clark, F. C. Roberts & Partners, Chartered Architects, 41, Regent Street, Wrexham. 4026

SENIOR AND JUNIOR ARCHITECTURAL ASSISTANTS required immediately for large West Riding office. Salaries from £700-£1,500 according to qualifications and experience. Non-contributory pension scheme in operation, good prospects for advancement. Apply giving particulars of age, qualifications, education, experience, etc., to Box 3995.

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Applicants should write to E. V. Collins, A.R.I.B.A., 27, Hammersmith Grove, London, W.6. 3971

LEWELLYN SMITH & WATERS require SENIOR and JUNIOR ASSISTANTS for a widely varied programme of work. Salary according to experience. Please write stating qualifications, experience and age to 103 Old Brompton Road, S.W.7. 4005

ARCHITECT'S ASSISTANT required about 45 Intermediate standard, experienced in design, working drawings, details and specifications. House available if required. Full details to Ward & Woolnough, 8, South Brink, Wisbech, Cambs. 4009

ARCHITECTURAL ASSISTANT of Intermediate standard required in West End Architect's Office. Must have sound knowledge of modern construction and ability to work on his own initiative. Write stating age, experience, if any, architectural training, and salary required, to Box 4004.

WANTED in London office of A.R.I.B.A. engaged on work for Housing Company. **ARCHITECTURAL ASSISTANT**, Intermediate, R.I.B.A. standard. Experience in preparation of Sketch Designs, Working Drawings and Specifications essential. Salary according to experience and capabilities. Box 4002.

ARCHITECTURAL ASSISTANTS of Intermediate standard wanted. Interesting work on Housing and Factory projects. Please apply to Ernest J. Thomas, Jolly & Grant, Chartered Architects & Surveyors, 26, Kent Road, Southsea, Hants. 4000

ARCHITECTS required, Intermediate standard. Good opportunities in progressive office carrying out variety of interesting projects. Salaries according to experience. Applications to Waring & Nefts, Chartered Architects, 36, Jesmond Road, Newcastle upon Tyne, 2. 3999

INTERMEDIATE standard ARCHITECTURAL ASSISTANT required immediately for varied work. Applications stating age, qualifications and experience to Firth, Son & Blackburn, Broadway House, Crackenedale Lane, Dewsbury. Pension scheme. Salary by agreement. 3997

EXPERIENCED ASSISTANT required. Medium size office, varied work. Write or telephone Haskel & Hall, L.F.R.I.B.A., 33, Welbeck Street, W.1 (Welbeck 0051). 4027

WEST END Architects urgently require a competent **ARCHITECTURAL ASSISTANT** of Final standard with a minimum of four years' experience, for interesting and varied work including Churches, Offices, Homes for the elderly, etc. Holiday this year and salary by arrangement. Telephone Welbeck 8863 for appointment. 3987

MAIDSTONE. Two Intermediate standard ASSISTANTS required. Interesting home and overseas projects. Write stating age and salary required, to W. Pollock, A.R.I.B.A., Gable End, Loose, Maidstone, Kent. 3986

RONALD WARD & PARTNERS require **ARCHITECTURAL ASSISTANTS** with contemporary outlook, and willing to use own initiative. Congenial working conditions. Five-day week. Apply, 29, Chesham Place, Belgrave Square, S.W.1. Telephone Belgraveia 3361. 3985

EXCELLENT OPPORTUNITY for a fully experienced school-trained Chartered Architect, 35 to 45 years of age. The position is in a West End Practice for a SENIOR ARCHITECT with London experience, who is capable of producing good contemporary design and carrying large contracts through to completion, both economically and satisfactorily. A junior partnership would be considered following a probation of eighteen months. Applicants should apply by letter giving full details of their training, qualifications and experience, and also salary required, to Box 4012.

WEST END Architect requires one SENIOR, one JUNIOR. Unaffiliated. Salary £650-£1,000, dependent on qualifications and experience. Preferably good on perspectives and interiors. Apply with full details to Box 4057.

QUALIFIED ARCHITECTURAL ASSISTANT required for work in mixed rural practice, S.E. Cornwall. Scope for expansion. Would consider possibility of partnership. Pension scheme available. Apply with references and particulars to Henry S. Tucker, A.R.I.C.S., The Parade, Liskeard, Cornwall. 4056

BIRMINGHAM.—James A. Roberts, Chartered Architect, Chanell House, 86, New Street, Birmingham, 2 (Midland 4315/6), requires Junior and Intermediate standard **ARCHITECTURAL ASSISTANTS**. 4099

ARCHITECTURAL ASSISTANTS required. All grades. Salaries according to merit. Good opportunity for those with initiative wishing to gain experience both in the office and of site supervision. Luncheon vouchers and good superannuation scheme. Contact A. J. Mathewson, A.R.I.B.A., at Covent Garden 1902. 4094

KEEN and energetic JUNIOR ASSISTANT of up to Intermediate standard required for busy private office. Write or phone W. P. P. Grant, 565, London Road, North Cheam, Surrey. Telephone No. DERwent 0512. Salary by arrangement. 4093

HOSPITAL project requires ASSISTANT (contemporary), with some office experience, of Final standard or recently qualified. Telephone Windsor 3301/2. 4091

ARCHITECTS' Department requires ASSISTANTS of R.I.B.A. Intermediate standard. Interesting and varied work in connection with company expansion. Some travelling involved. Applicants must be resourceful and able to work with minimum supervision. Five-day week; canteen; pension scheme. Write, stating age (which must be under 30), previous experience and salary required, to Personnel Manager, Schweppes Ltd., 1/6, Connaught Place, W.2. 4089

LONDON Office requires Architect's ASSISTANT of Final standard, with sound knowledge of design. Interesting and varied work in a busy office. Write stating age, experience, and salary required. Box 4086.

ASSISTANT required with previous experience of private practice. Associate or Final standard. Salary £750-£800 (flat available). Apply with details of experience and training to E. L. Smith & Son, Melville Chambers, Sandown, I.W. 4083

NUCLEAR POWER.—Simon-Carves Ltd. have vacancies in the Architect's Section of their Nuclear Power Division for SENIOR and JUNIOR ASSISTANTS. The posts are in London. Applicants must be of R.I.B.A. Final or Intermediate standard, have completed National Service, and have experience of Industrial Buildings. Salaries and prospects are good; five-day week; three weeks holiday annually. A Pension Fund and a non-contributory Sickness Benefit Scheme are in operation. Write to Staff and Training Division, Simon-Carves Ltd., Cheadle Heath, Stockport, Cheshire, quoting Ref. A.D.3. 4042

ARCHITECT/INTERIOR DESIGNER required between 22-35 years. Imagination and ability to take responsibility more important than qualifications. Details of experience and salary required to Box 4047.

ASSISTANTS are required in the Office of Louis de Soissons, Peacock, Hodges, Robertson & Fraser, at 12, Baring Crescent, Exeter, for work on a variety of projects. Applicants should be qualified with some office experience, or unqualified with considerable office experience, and should submit full details as soon as possible. 4048

ARCHITECT'S ASSISTANT required, preferably qualified and with some office experience. Small office with varied work in hand. Opportunity to accept responsibility. Salary according to experience. Frank Saunders, A.R.I.B.A., 9, Palmer's Avenue, Grays, Essex, or phone Grays Thurrock 2146.

ARCHITECT'S ASSISTANT wanted. Intermediate to Final standard or equivalent; experience in general and domestic work. Salary by arrangement according to qualifications. Messrs. Imrie, Porter & Wakefield, Chartered Architects, 35, Market Place, Warminster, Wilts. Warminster 2123.

SENIOR ASSISTANT is required in the Architect's office of a Timber Engineering Company. The work of this office covers a wide and interesting field of design in the structural use of timber in building projects. Applicants should have preferably passed their Intermediate R.I.B.A.

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ARCHITECT'S SENIOR ASSISTANT required. Must be capable of taking charge of jobs from start to finish in a busy, long established office of a provincial firm of Chartered Architects about 36 miles from London. If found suitable after trial, a partnership in the firm would be offered. Excellent opportunity for the right man, age about 35-40. Work mainly Commercial, Factory and Alterations. Apply for interview, giving brief particulars. Box 4054.

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ARCHITECT with established practice in Central Liverpool has opening for JUNIOR PARTNER, preferably with capital available, or would be prepared to amalgamate with existing firm of Architects to mutual advantage. Full details to Box B 243, Lee & Nightingale, Liverpool. 4104

MODERN ARCHITECTS of all grades required. Preferably school trained and holding neo-Georgian and low brow "Contemporary" in equally poor esteem. Please apply to Bedford, Briggs & Partners, 20 and 28, Clarendon Street, Nottingham. 4107

TAYLOR WOODROW CONSTRUCTION LIMITED require **ARCHITECTURAL STAFF** of Intermediate to Final standard with contemporary outlook, preferably school trained. Good salary commensurate with experience. Pension Scheme. Canteen facilities. Apply Personnel Manager, Ruislip Road, Southall, Middlesex. 4108

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SIR GILES SCOTT, SON & PARTNER, require a keen **ARCHITECTURAL ASSISTANT**, with experience, to work on office buildings, schools, etc. Salary range £850-£950 according to ability. Apply by letter to 9, Gray's Inn Square, London, W.C.1. 4117

LONDON Architects, Clifford Tee & Gale, F.R.I.B.A., require an experienced **ARCHITECTURAL ASSISTANT** for working drawings and details on an interesting Research Laboratory in Surrey. Five-day week. Please apply in writing to Mr. S. H. Fisk, A.R.I.B.A., 5, Buckingham Palace Gardens, S.W.1. 4111

ARGHITECTURAL ASSISTANT, experienced, required part or full time, Surrey. Interesting domestic work. Box 4115.

COVELL & MATTHEWS require **SENIOR ARCHITECTURAL ASSISTANTS** for work on central area projects (five-day week). Telephone REGent 2291 for appointment. 4116

JUNIOR ASSISTANT, almost Intermediate standard, wanted in a Loughton, Essex, Architect's office. Salary £500 to £600 per annum according to experience. Box 4118.

CLIFFORD TEE & GALE require **ARCHITECTURAL ASSISTANTS**. Intermediate and Senior, for industrial and commercial work in the Birmingham area. Five-day week. Apply to F. W. Gregory, Esq., A.R.I.B.A., 43, Frederick Road, Birmingham, 15. EDGBaston 3676. 4119

J. M. AUSTIN-SMITH & PARTNERS, 29, Sackville Street, W.1, have vacancies for qualified and unqualified **ARCHITECTURAL ASSISTANTS** with office experience. Opportunities for designing and taking responsibility in running and supervising contracts. Salary according to age and experience, but in the range of £600 to £900. Please apply in own handwriting. 4122

VINCENT BURR AND PARTNERS urgently require another **ARCHITECTURAL ASSISTANT** of not less than Intermediate standard. Great scope for future promotion. Large and varied practice. Salary according to experience. Apply by letter only to 85, Gower Street, London, W.C.1. 4076

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ARGHITECTS' CO-PARTNERSHIP require **ARCHITECT** with experience, preferably qualified, to run a job; also **ASSISTANT** for working drawings and detailed design. Please write, stating age, experience, salary desired, to 44, Charlotte St., W.1, or phone Langham 5791. 4160

QUALIFIED ASSISTANT **ARCHITECTS** required, minimum three years' office experience, preferably in London. Salary according to ability and experience. Theo H. Birks, 38, Portland Place, W.1. LAN. 7236. 4158

INTERMEDIATE STANDARD ASSISTANTS required, minimum two years' office experience. Salary according to ability. Theo H. Birks, 38, Portland Place, W.1. LAN. 7236. 4159

ASSISTANT, Intermediate qualified or at that standard, required for varied practice. State experience and salary required to Geoffrey Denham and Son, 41 Jewry Street, Winchester. 4164

JUNIOR ASSISTANT required in London Architects' Office. Should be neat draughtsman with good knowledge of building construction. Write stating salary required. Box 4166.

SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS required for large scale programme of varied range of work. Salary by arrangement. Leslie C. Norton, 4, St. George Street, Hanover Square, W.1. GRO. 6495. 4137

MESSRS. WELLS & WALCHLI, Chartered Quantity Surveyors, of 28, Cork Street, London, W.1, require one **SENIOR** and one **JUNIOR ASSISTANT**. Applicants should telephone REGent 3945 for an appointment. 4139

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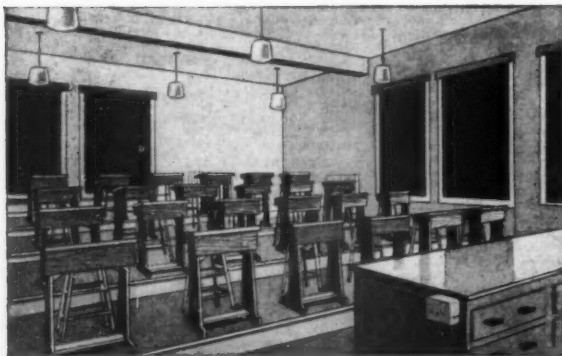
ASSISTANTS and DRAUGHTSMEN required, West End Practice, varied work. Apply in writing, giving full particulars, to G. A. Crockett, 10, Adelaide Street, London, W.C.2. 4157

ASSISTANT required, Final standard. Salary approximately £1,000 per annum. Offices in Stroud, Dursley, and site office in Bristol. Write, giving details of qualifications and experience, to Ellery Anderson, Roiser & Falconer, Imperial House, Stroud, Gloucestershire. 4165

ERIC FIRMIN & PARTNERS require **ARCHITECTURAL ASSISTANT** with three years' office experience for work on industrial and commercial projects. Please write Thavies Inn House, Holborn Circus, London, E.C.1. 4142

AN ASSISTANT **ARCHITECT** is required in the Architects' Department of Richard Costain Limited. Work is carried out on a group system, and is mainly concerned with factories, office blocks, laboratories, etc. There are good opportunities of promotion for men experienced in this type of industrial work. Candidates should have received a recognised course of training and must be fully qualified. Address applications to the Assistant Personnel Officer, 111, Westminster Bridge Road, London, S.E.1. 4147

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ARCHITECTURAL ASSISTANT required for permanent position. State experience. Lunn & Lunn, Architects, Minsbridge, Huddersfield. 4141

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CAPABLE ASSISTANT ARCHITECT required. Part time considered. Apply: T. G. Jones & J. R. Evans, 18, Park Place, Cardiff. 4124

SENIOR ASSISTANT required, with real design ability and administrative experience. Good salary to those willing and able to take responsibility. Andrews Emmerson & Sherlock, 63, Dean Street, W.1. GER. 5721. 4140

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STEEL, PEECH & TOZER, branch of the United Steel Companies Ltd. have a vacancy for an ARCHITECTURAL DRAUGHTSMAN with at least five years' practical experience. Variable type of work including office blocks, amenity centres and service buildings. Industrial experience would be an advantage, but is not essential. Good pension scheme and canteen facilities, etc. Salary according to age and experience. Applications should be made in writing to the Labour Manager, Steel, Peck & Tozer, The Ickles, Rotherham. 4123

SENIOR QUANTITY SURVEYOR'S ASST. TANT required in West End Architect's office. Opportunity for position of responsibility. Reply to Box 4120, giving details of age, experience and salary required.

WORKER-UP required in Quantity Surveying section of West End Architect's office. Reply to Box 4120, giving details of age, experience and salary required.

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HENING & CHITTY, F.R.I.B.A., require experienced DRAUGHTSMEN. Write particulars to 30, Percy Street, London, W.1, or telephone MUSEum 8577. 4090

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THE Works Engineer's Department of Metropolitan-Vickers Electrical Co. Ltd., require an experienced Architectural Draughtsman. The projects carried out by the Department are many and varied and cover all aspects of industrial building construction.

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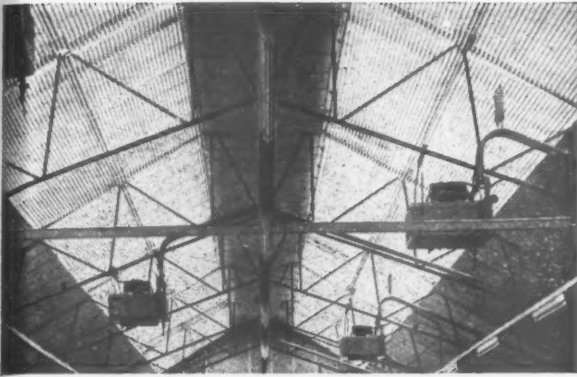
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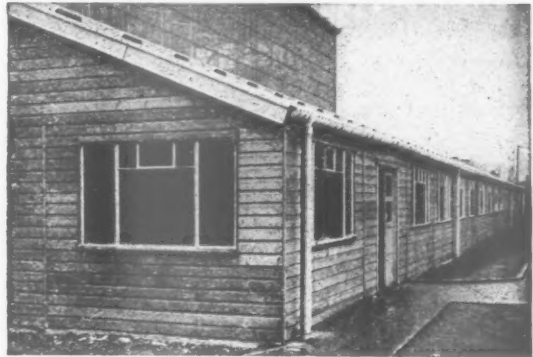
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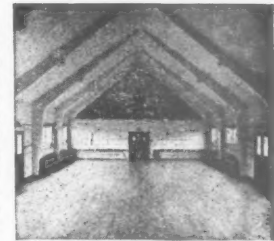
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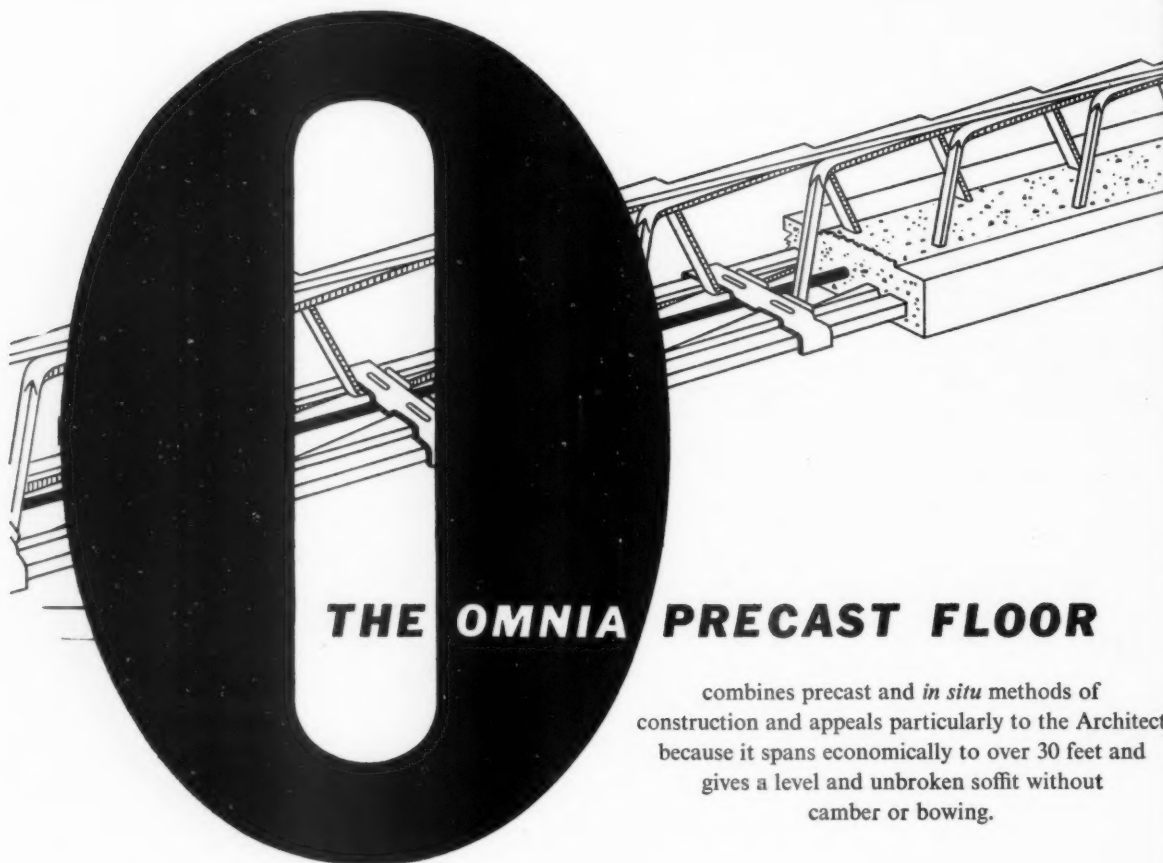
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