

THE ARCHITECTS' JOURNAL



standard contents

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

NEWS and COMMENT

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PHYSICAL PLANNING

SUPPLEMENT

CURRENT BUILDINGS

HOUSING STATISTICS

Architectural Appointments
Wanted and Vacant

No. 3077]

[Vol. 119

THE ARCHITECTURAL PRESS

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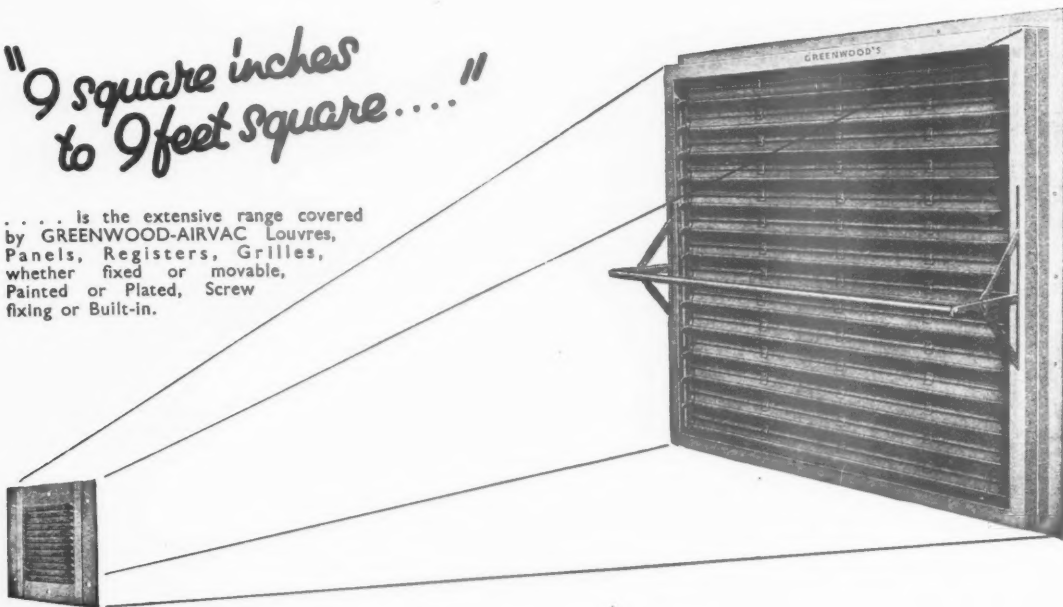
Registered as a Newspaper.

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Langham 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. 34/36, Bedford Square, W.C.1.	
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Langham 8738
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Langham 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	
BC	Building Centre. 26, Store Street, Tottenham Court Road, W.C.1.	Museum 4100
BCC	British Colour Council. 13, Portman 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
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
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Whitehall Gardens, Horseguards Avenue, Whitehall, S.W.1.	Trafalgar 8855
BRDB	British Rubber Development Board. Market Buildings, Mark Lane, E.C.3.	Mansion House 9383
BRS	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. British Standards House, 2, Park St., W.1.	Mayfair 9000
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Civic Centre, Newport, Mon.	Newport 5491
CAS	County Architects' Society. C/o F. R. Steele, F.R.I.B.A., County Hall, Chichester.	Chichester 3001
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CCP	Council for Codes of Practice. Lambeth Bridge House, S.E.1.	Reliance 7611
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderal, 7, Zurich, Switzerland.	
COID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Abbey 7080
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUC	Coal Utilization Council. 3, Upper Belgrave Street, S.W.1.	Sloane 9116
CVE	Council for Visual Education. 13, Suffolk Street, Haymarket, S.W.1.	Reading 72255
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DPT	Department of Overseas Trade. Horseguards Avenue, Whitehall, S.W.1.	Trafalgar 8855
EJMA	English Joinery Manufacturers' Association (Incorporated), Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 67, Oxford Street, W.1.	Gerrard 0021
FASS	Federation of Association of Specialists and Sub-Contractors, Artillery House, Artillery Row, S.W.1.	Abbey 7232
FBBDO	Fibre Building Board Development Organisation, Ltd., Melbourne House, Aldwych, W.C.2.	Temple Bar 4561
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
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 4041
FS (Eng.)	Faculty of Surveyors of England. 67, Oxford Street, W.1.	Gerrard 0021
GC	Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 5615
ICA	Institute of Contemporary Arts. 17-18, Dover Street, Piccadilly, W.1.	Grosvenor 6186
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215

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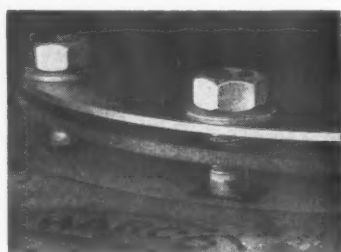
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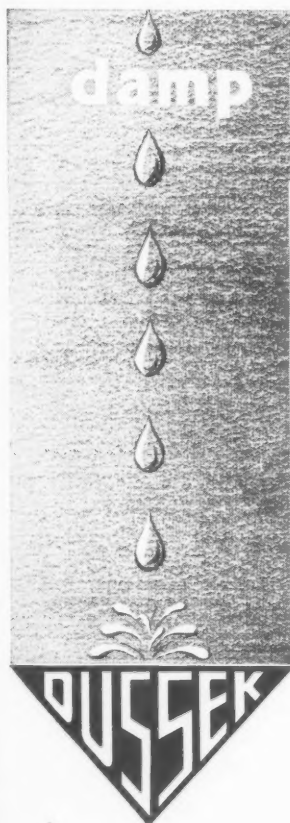
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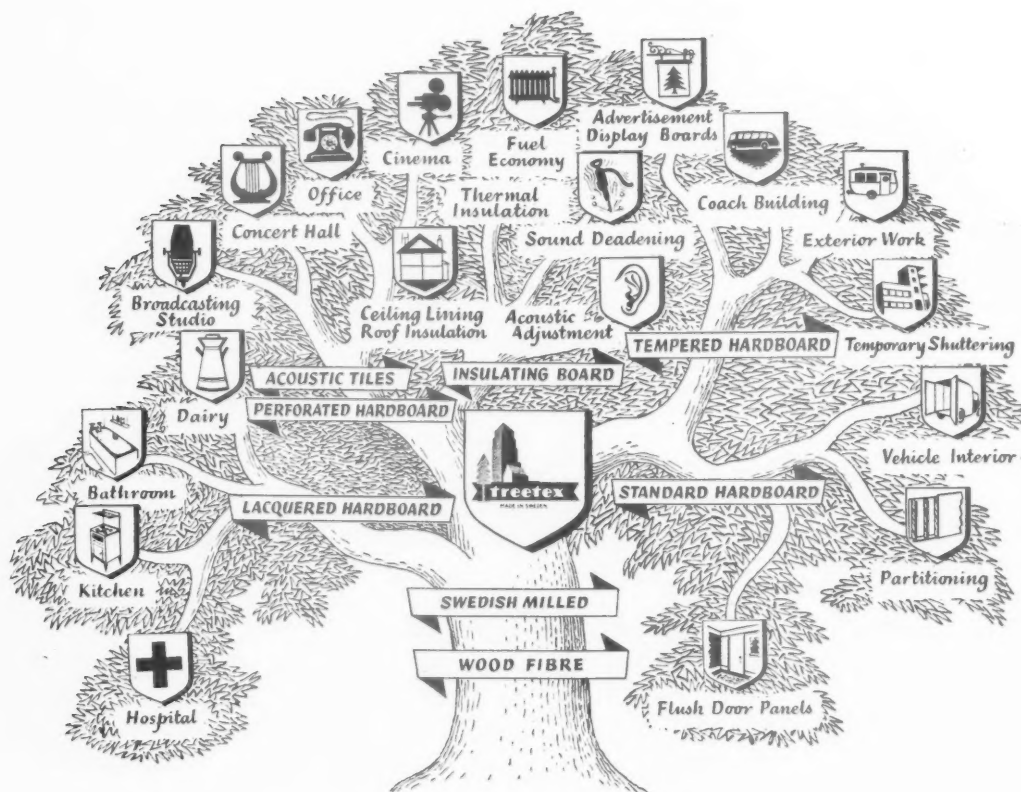
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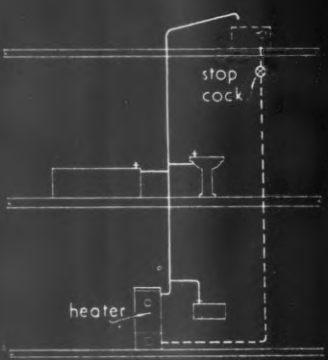


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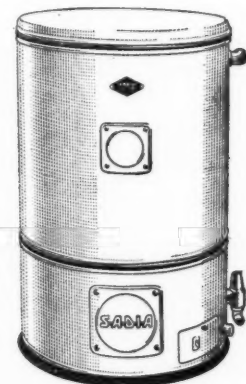


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A New Old Fashion

NOT so long ago, when prefabrication was wished upon us as the solution to the Housing problem, the word "traditional" became almost a term of abuse, but at least it was used with a knowledge of its meaning.

Now what are we to make of a recent statement by our Parliamentary Secretary to the Ministry of Housing and Local Government? "A 'new tradition' house", he says, "is the new name for a non-traditional house".

What, indeed! Can method or design be both new *and* traditional? Either may find favour, but let us at least pay to each the compliment of distinguishing it from the other.

The new provides us with the excitement of a venture into what must be, to some extent, the unknown and the untried, for the new is necessarily the experimental. The satisfactions to be derived from the traditional are of a different order. Here we have the sense of

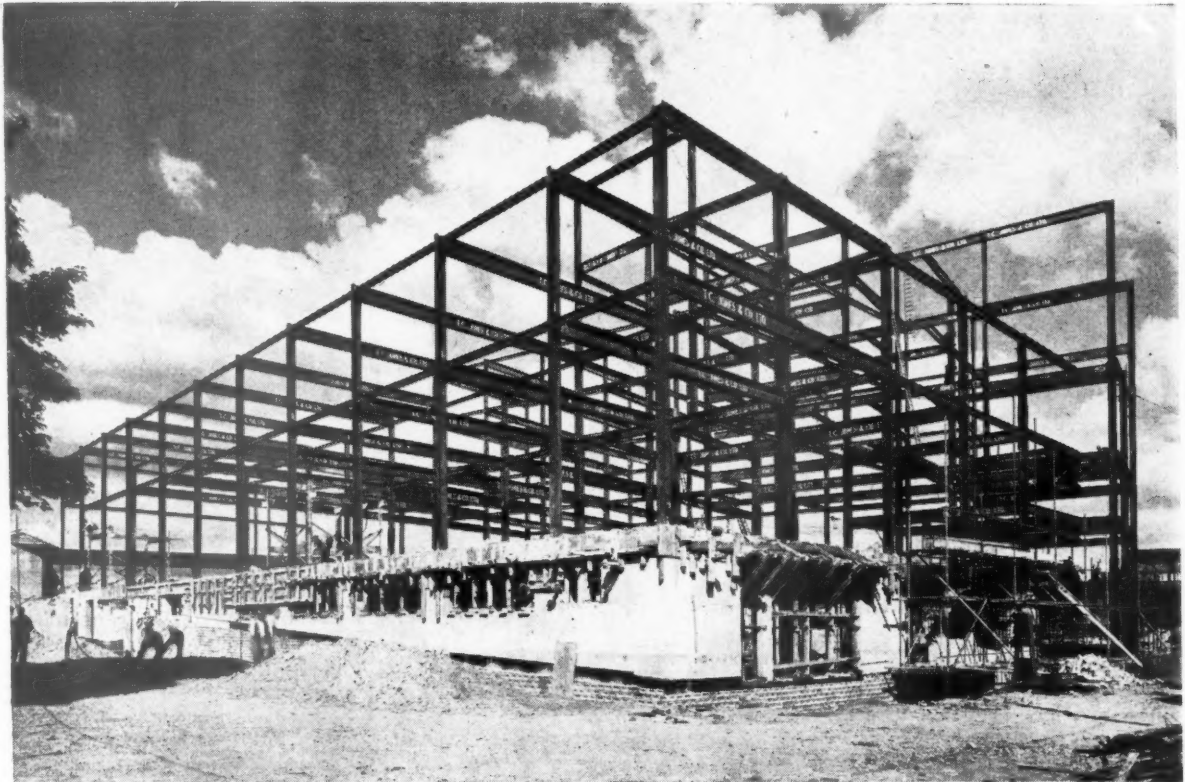
security of the known and the well-tried. When we follow tradition (and how closely knit in our common speech are the verb and the noun) we tread in the firm steps of those who have toiled before us. It is of the essence of tradition that we do not have to make our own.

What was once new has made the tradition of today, yet not all new things become, in the fullness of time, secure traditions. Those which have value and meaning for us now are but a handful of the activities of the past, for most novelties fail to stand the test of time and the need for adaptability to changed conditions.

We can neither make the traditions of today, nor consciously mould the traditions of tomorrow. Only as those who come after us accept or discard, repeat or supersede, the new things of today, will traditions be established.

"New traditional"? Surely not.

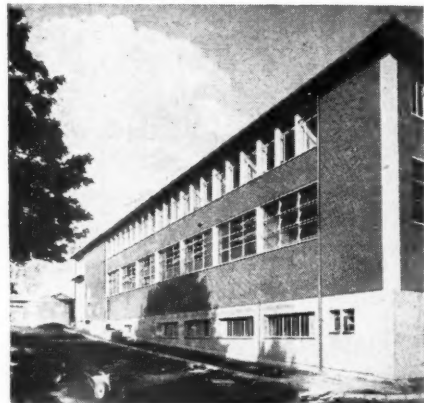
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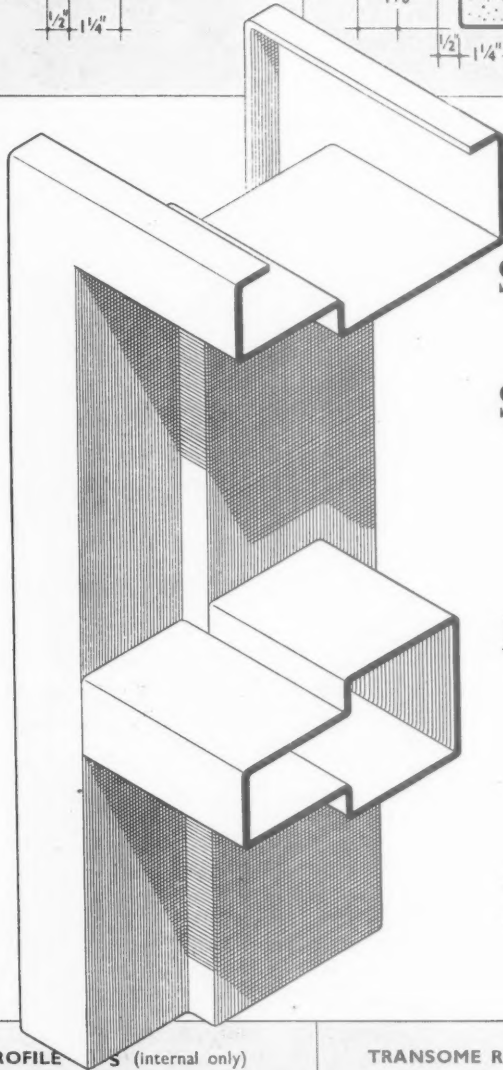
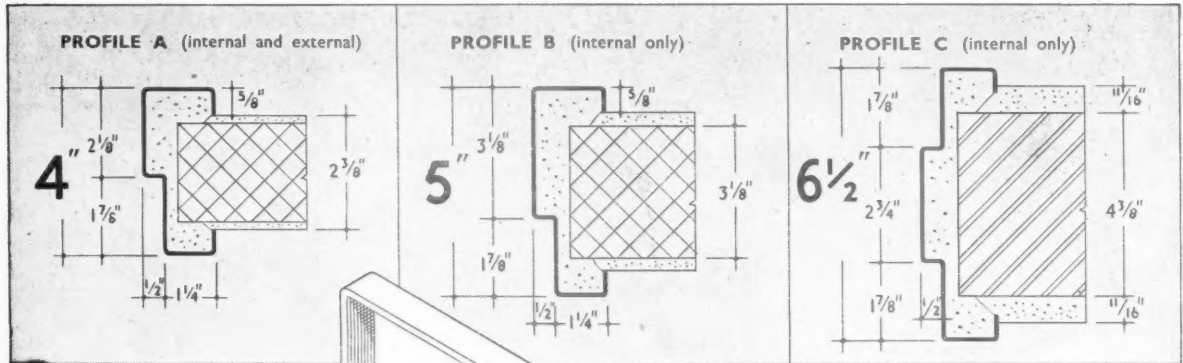
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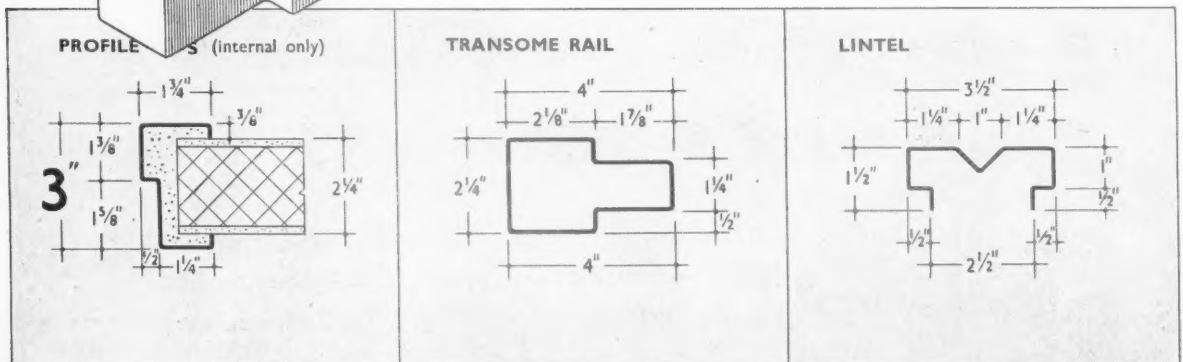


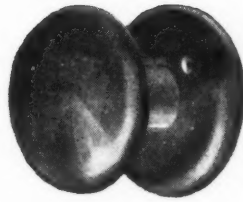
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Outside information on plastics door furniture

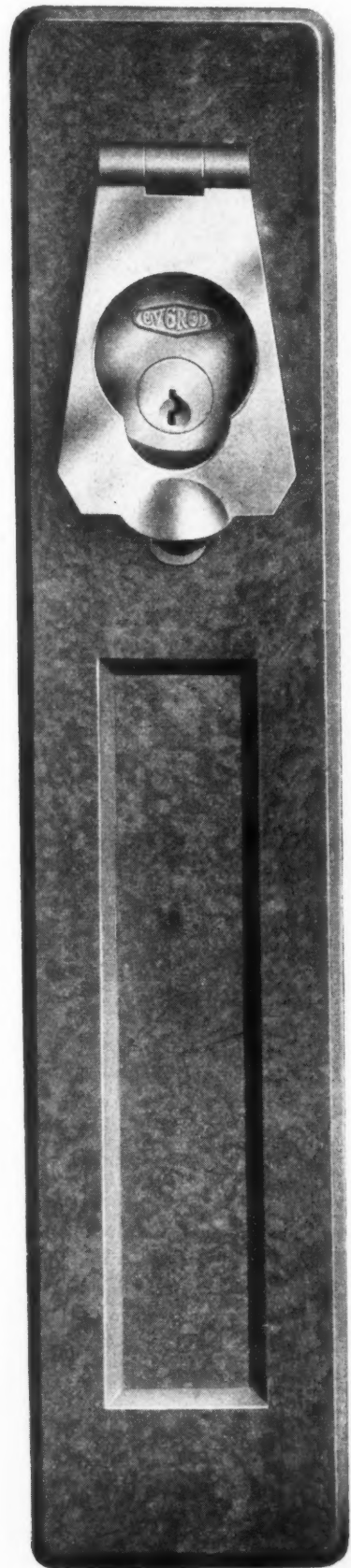
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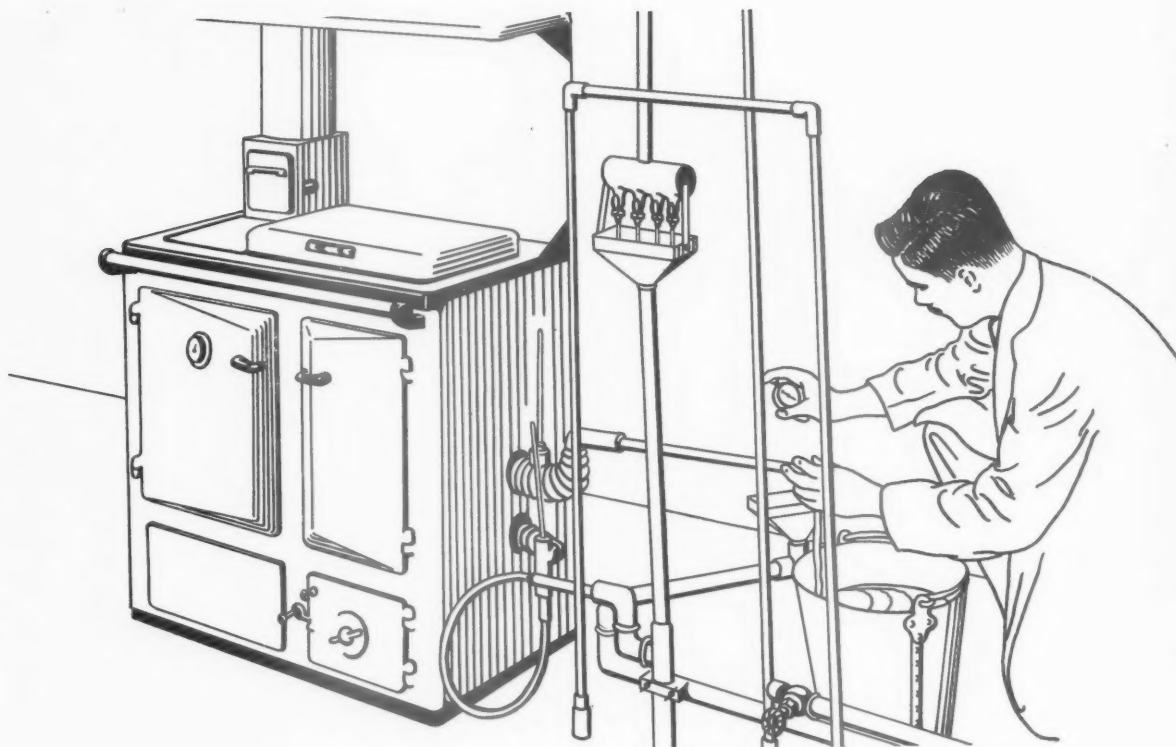
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P68



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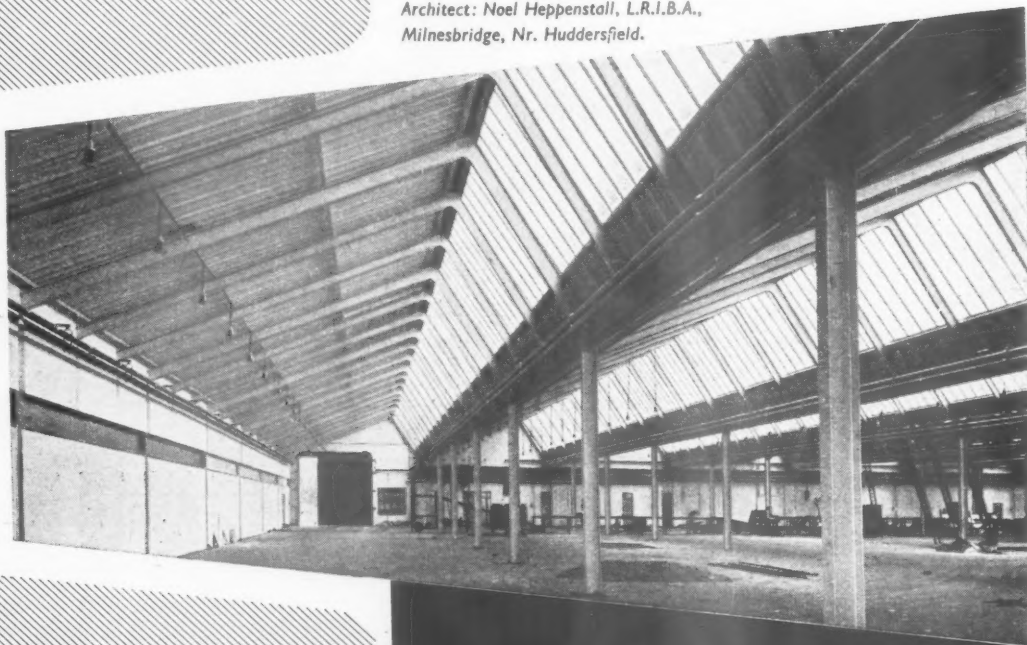
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New Factory at Barnsley for Brook Motors Ltd.
Architect: Noel Heppenstall, L.R.I.B.A.,
Milnesbridge, Nr. Huddersfield.

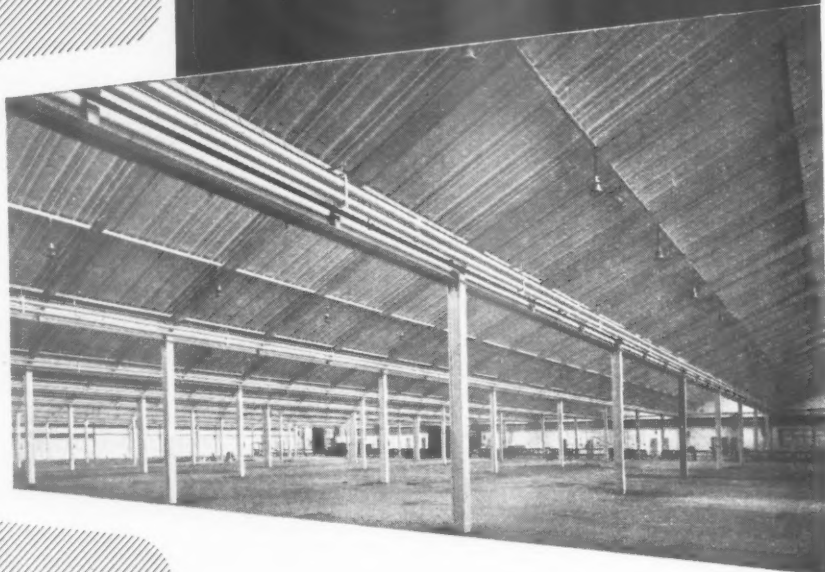


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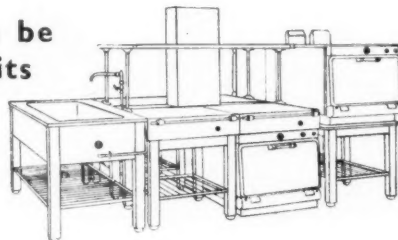
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Also available with
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and four boiling
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Bain Marie.

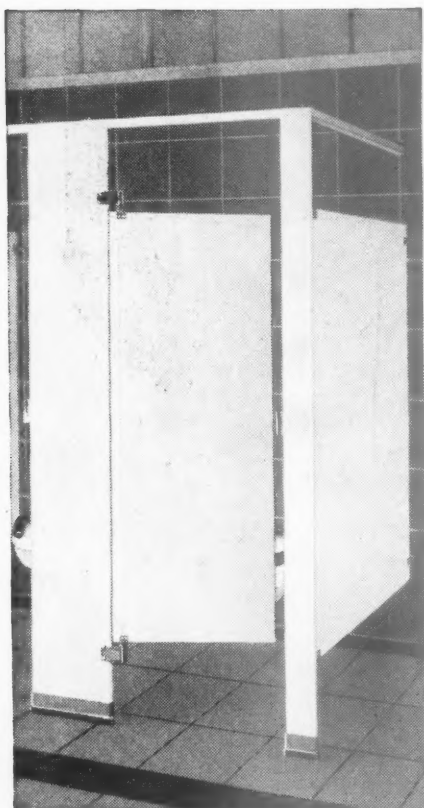


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use a single colour, and I'll tell
you why. She's too durn hard to
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*Lemuel Putt **



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† Translation: lavatories or toilet cubicles!

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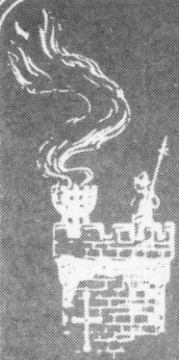
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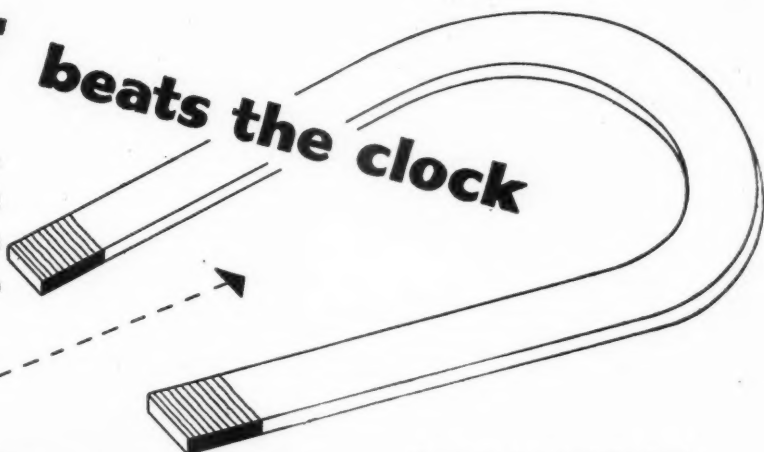
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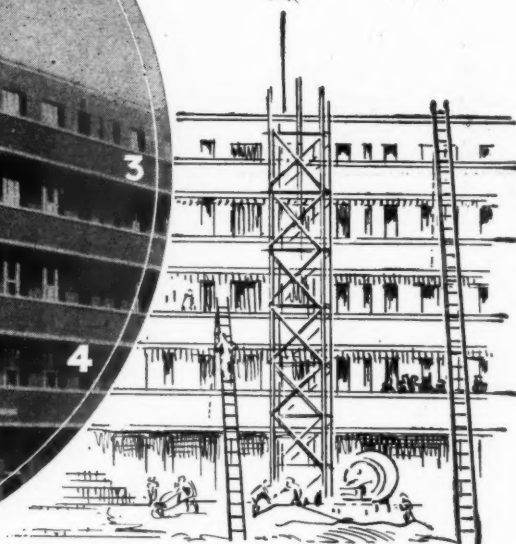
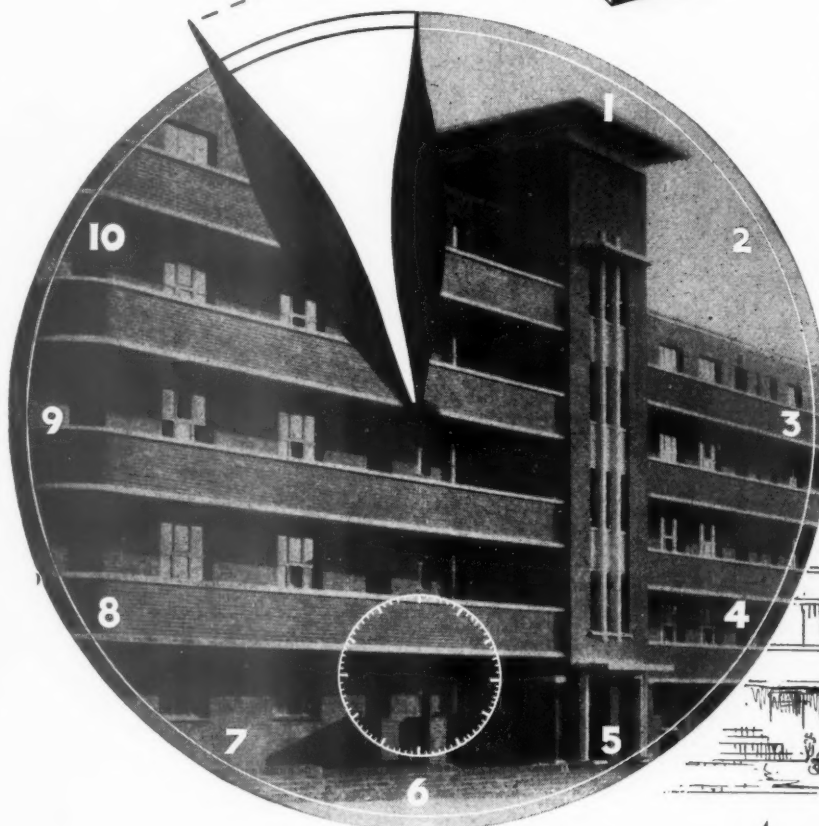
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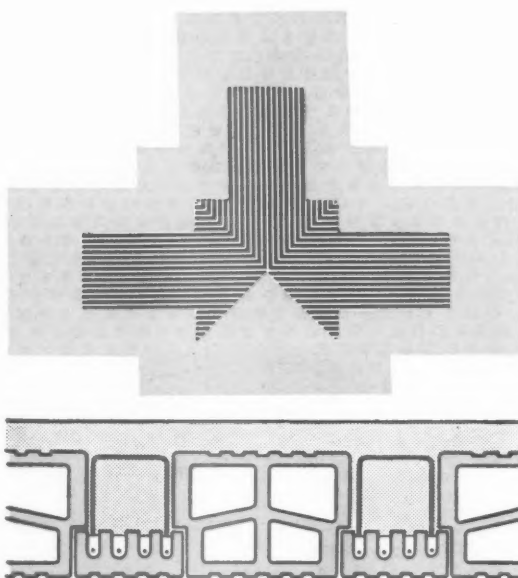
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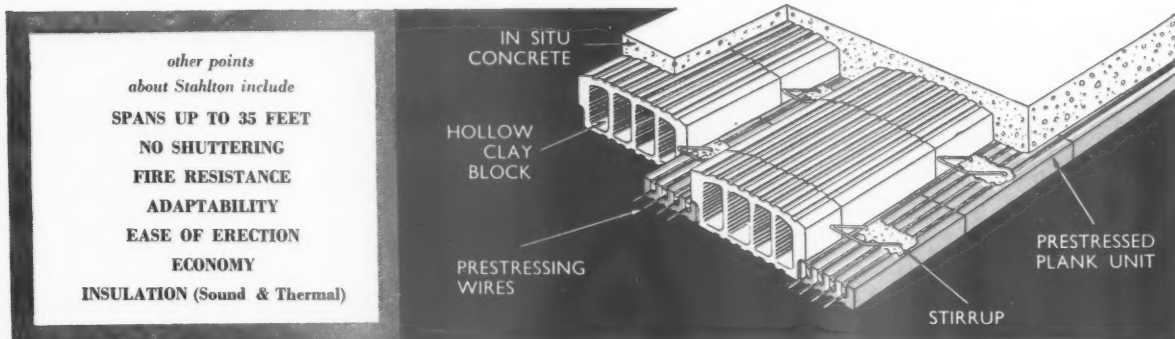
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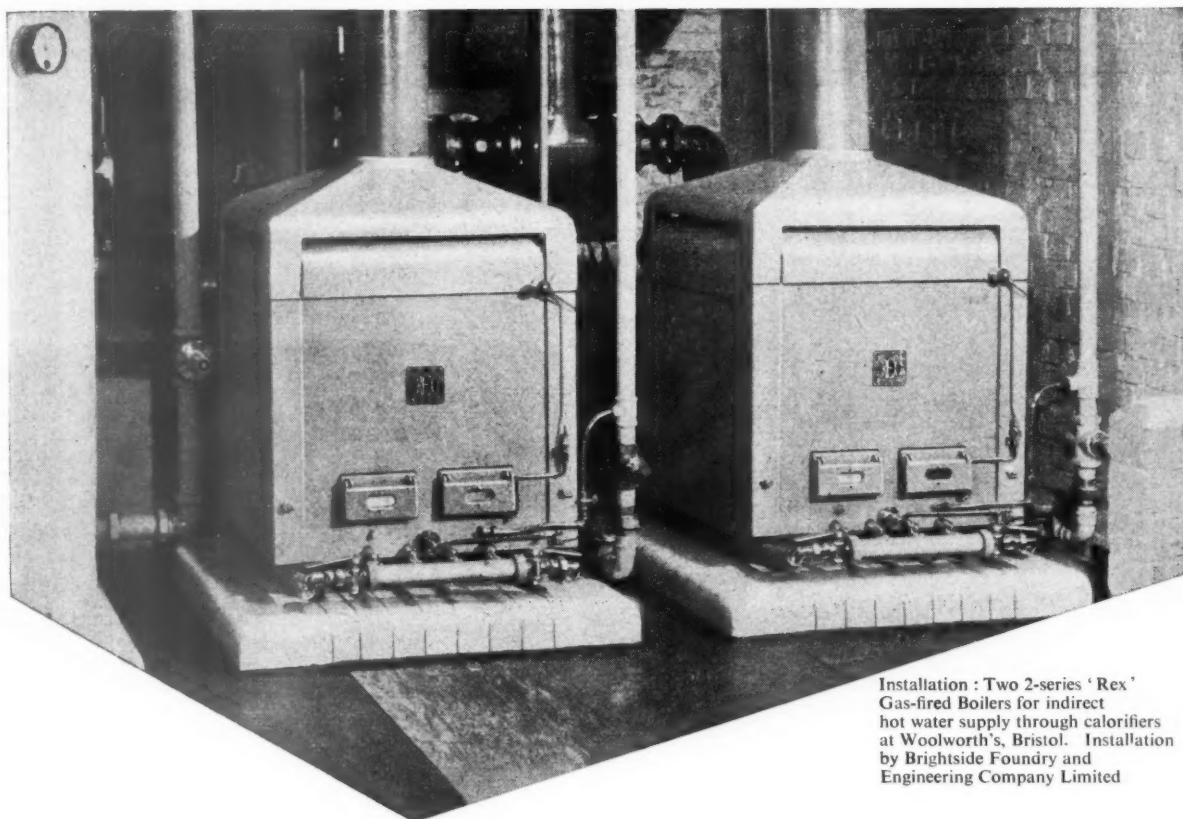
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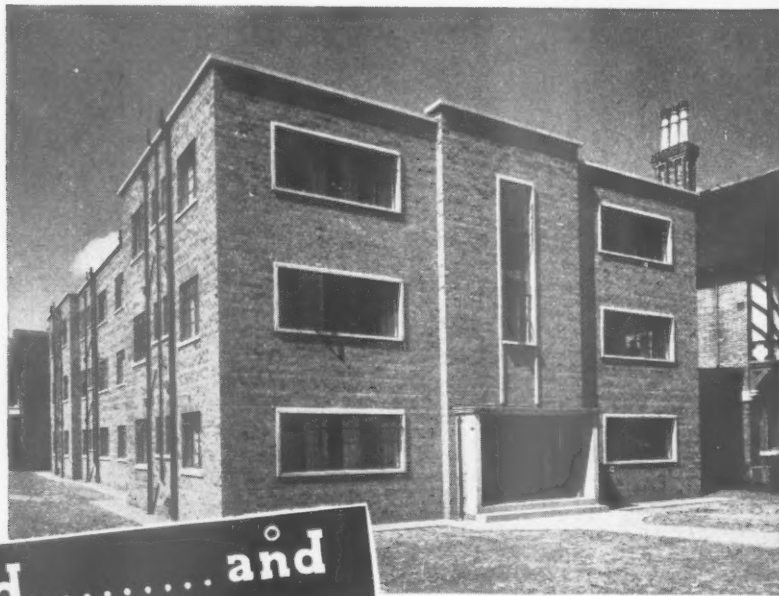
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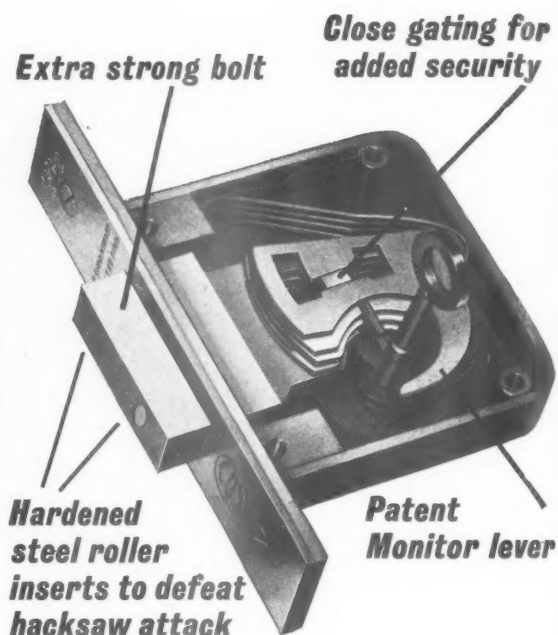
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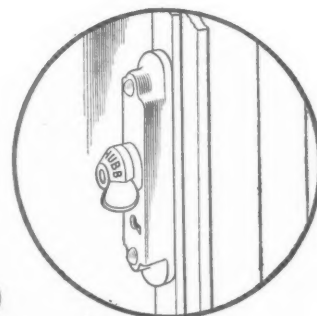
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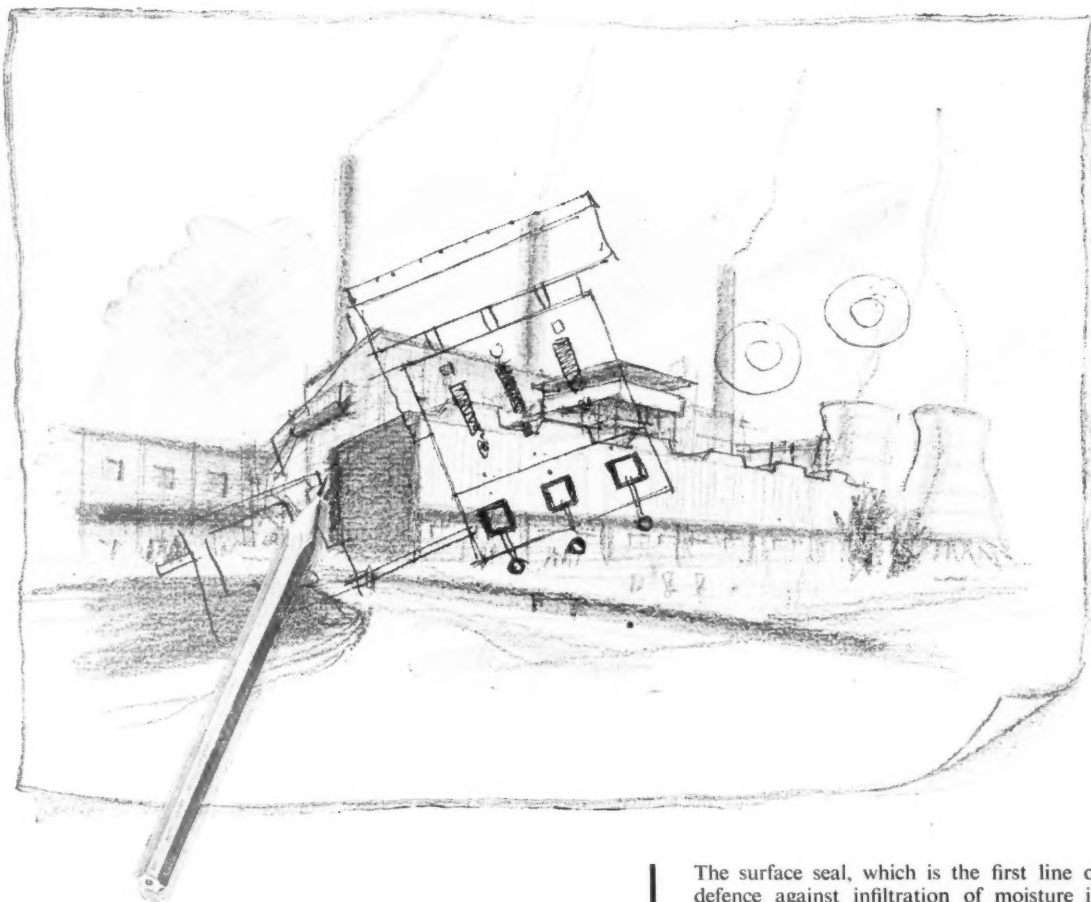
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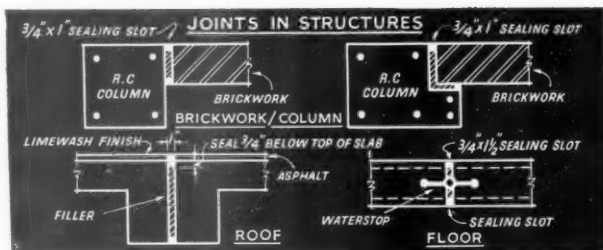
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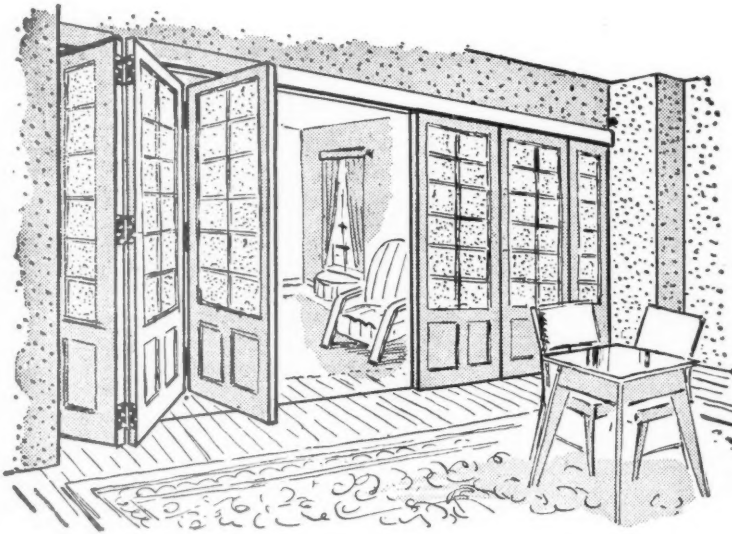
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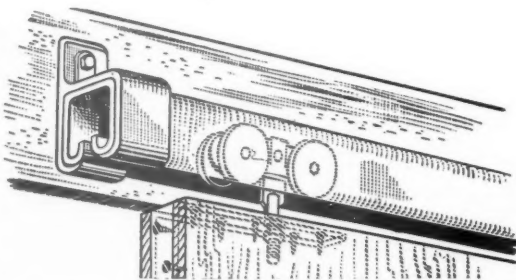
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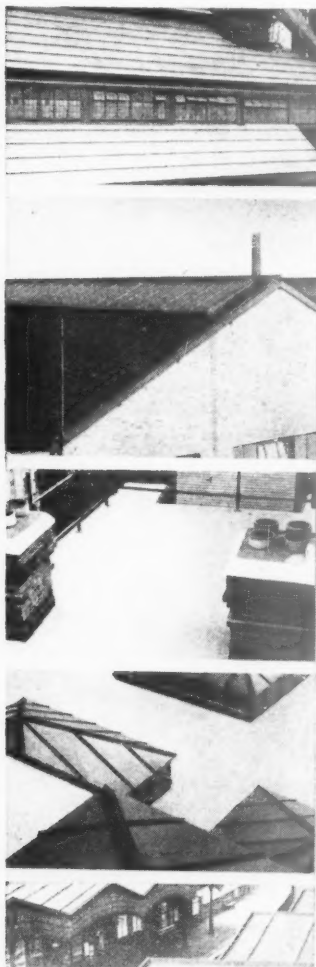
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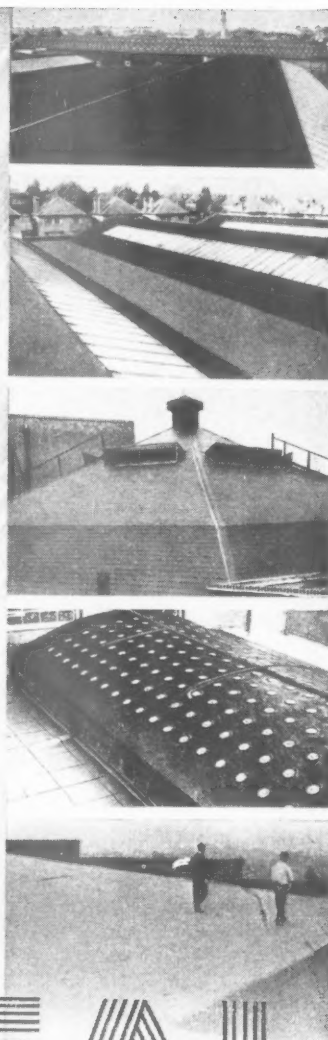
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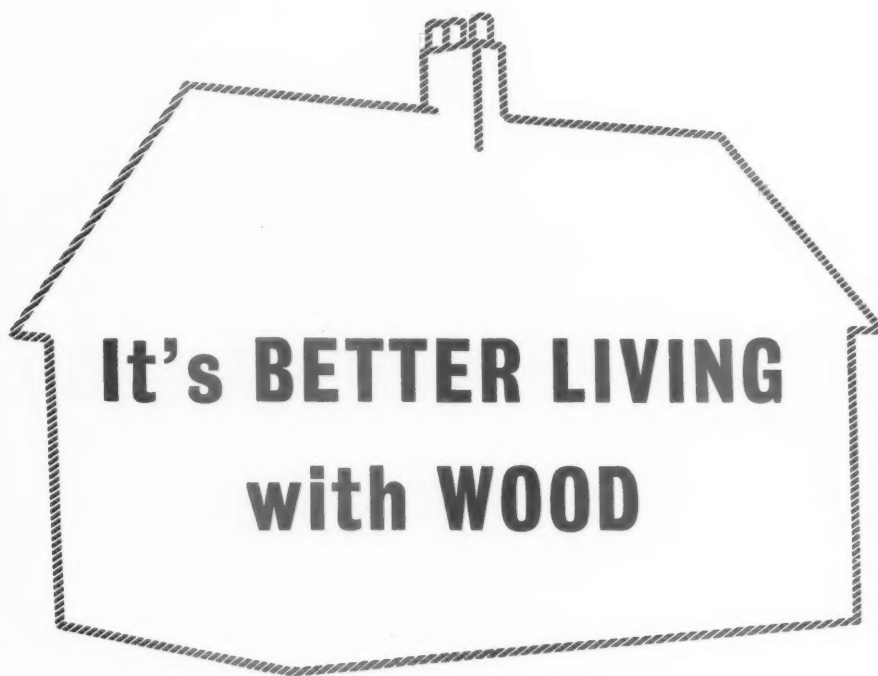
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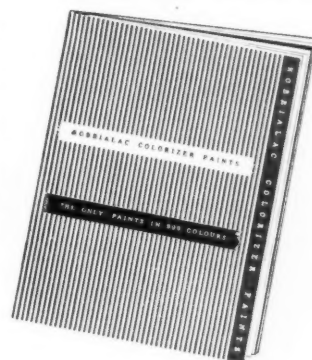
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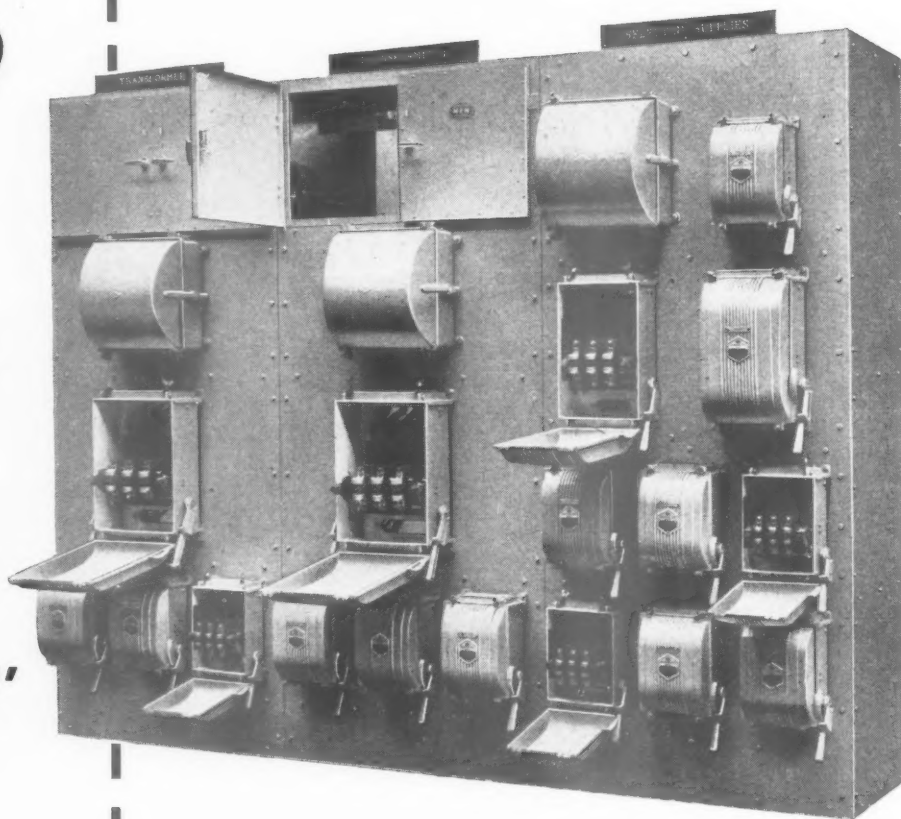
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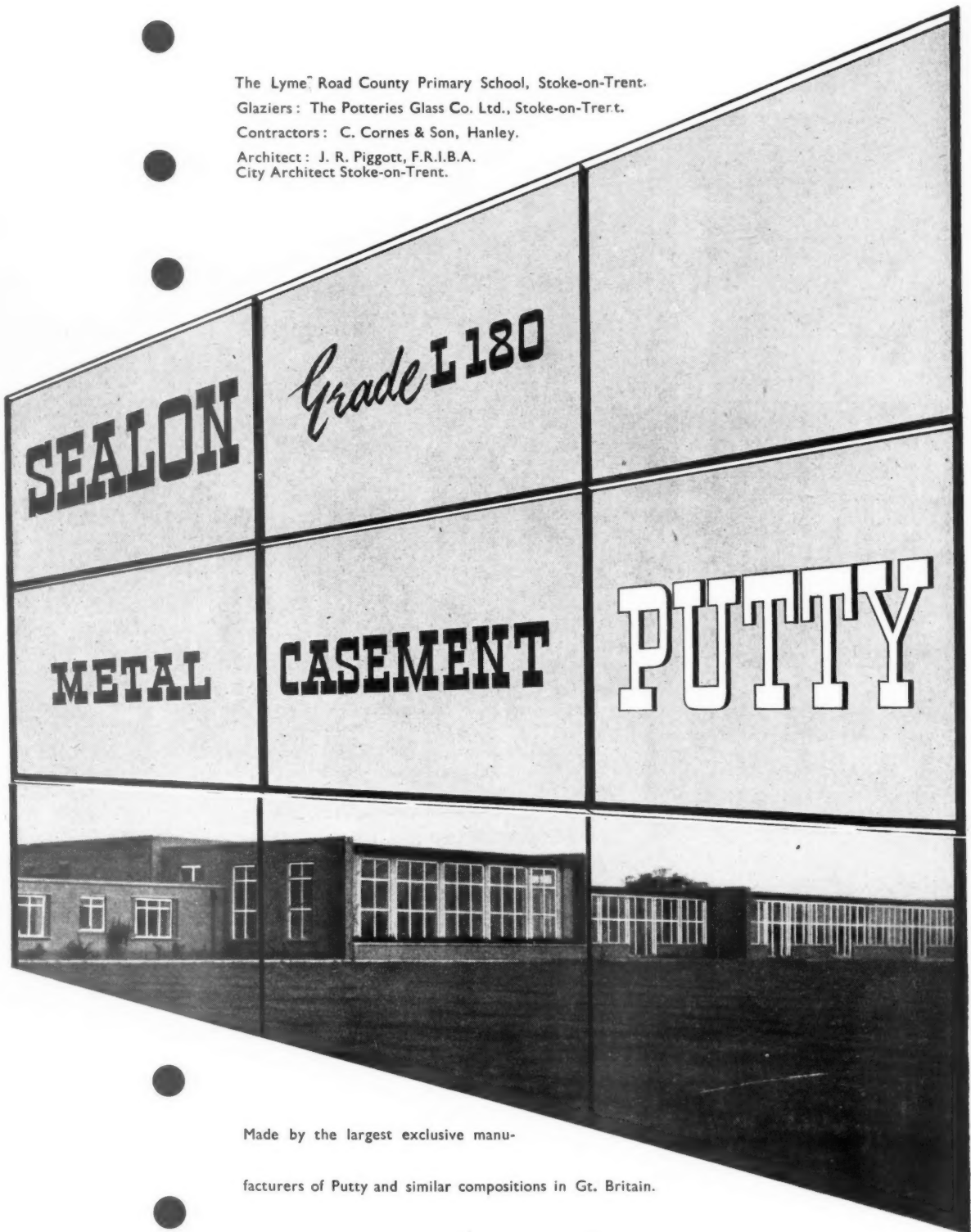
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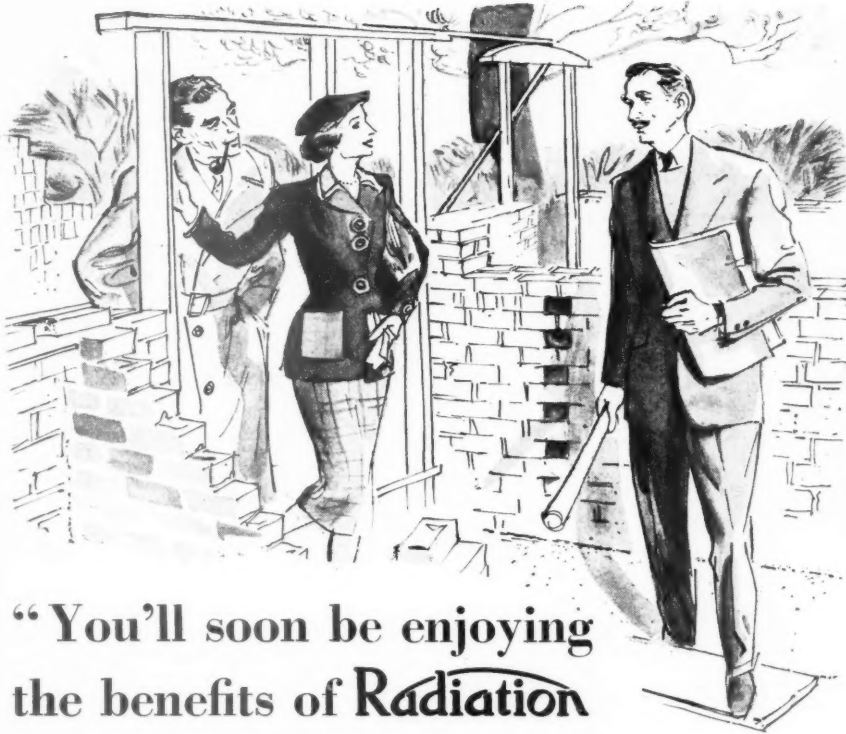
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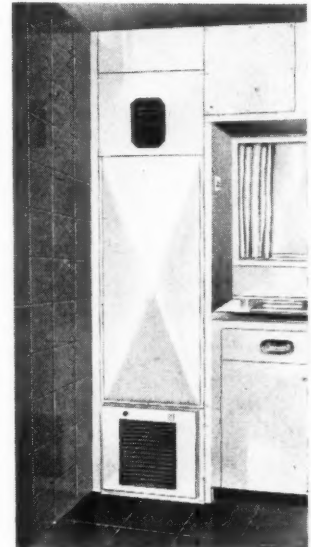
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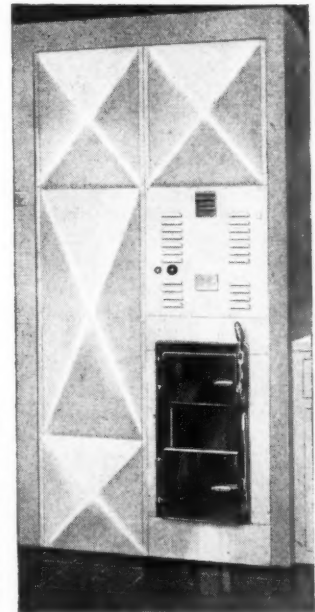
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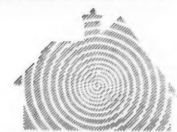


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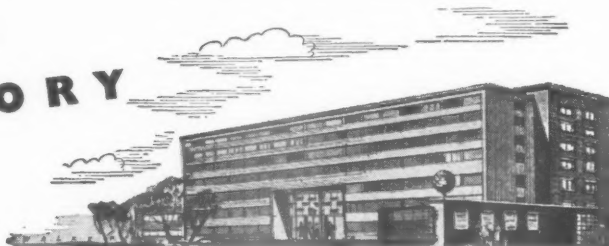
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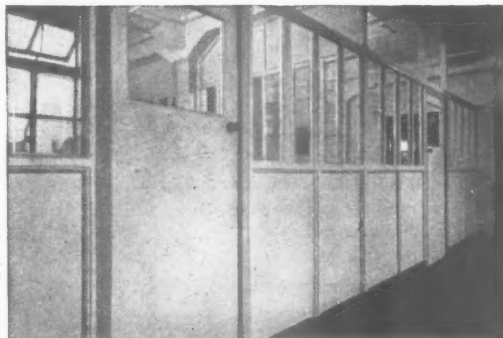
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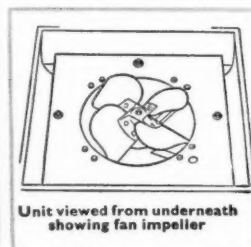
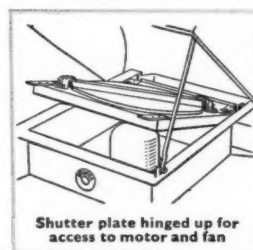
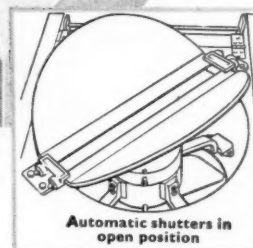
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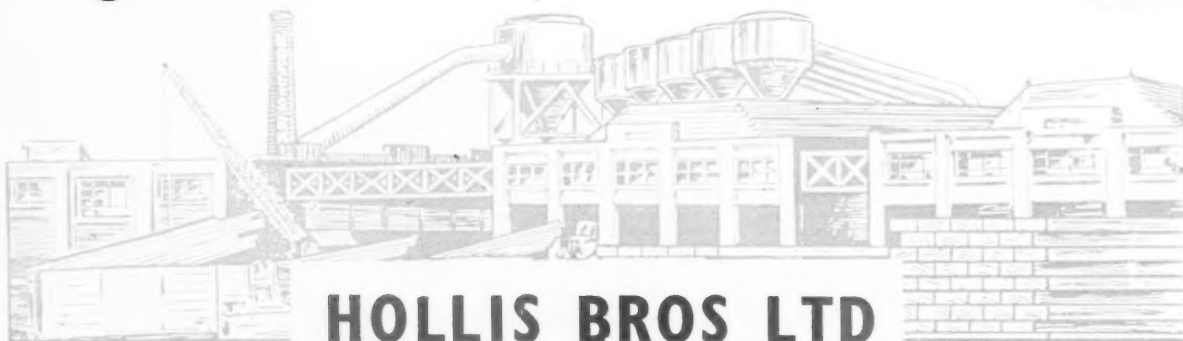
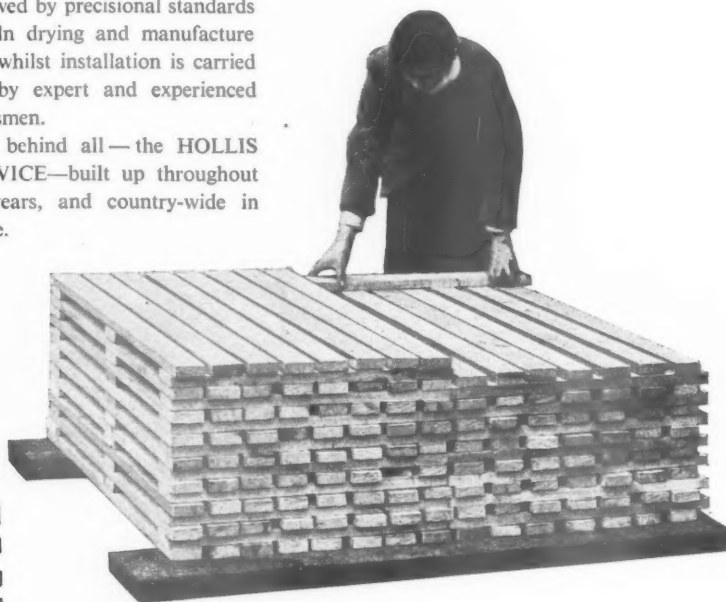
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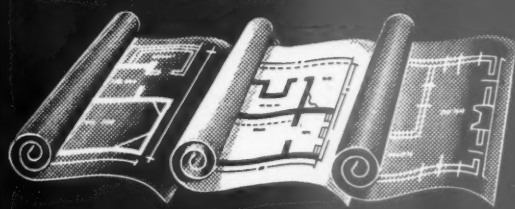
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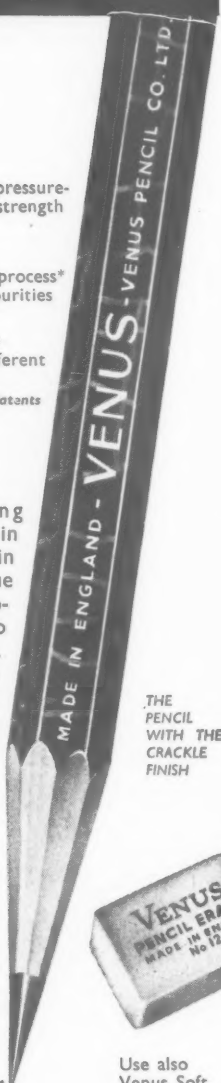
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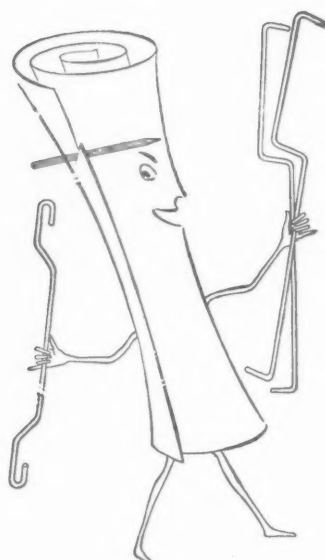


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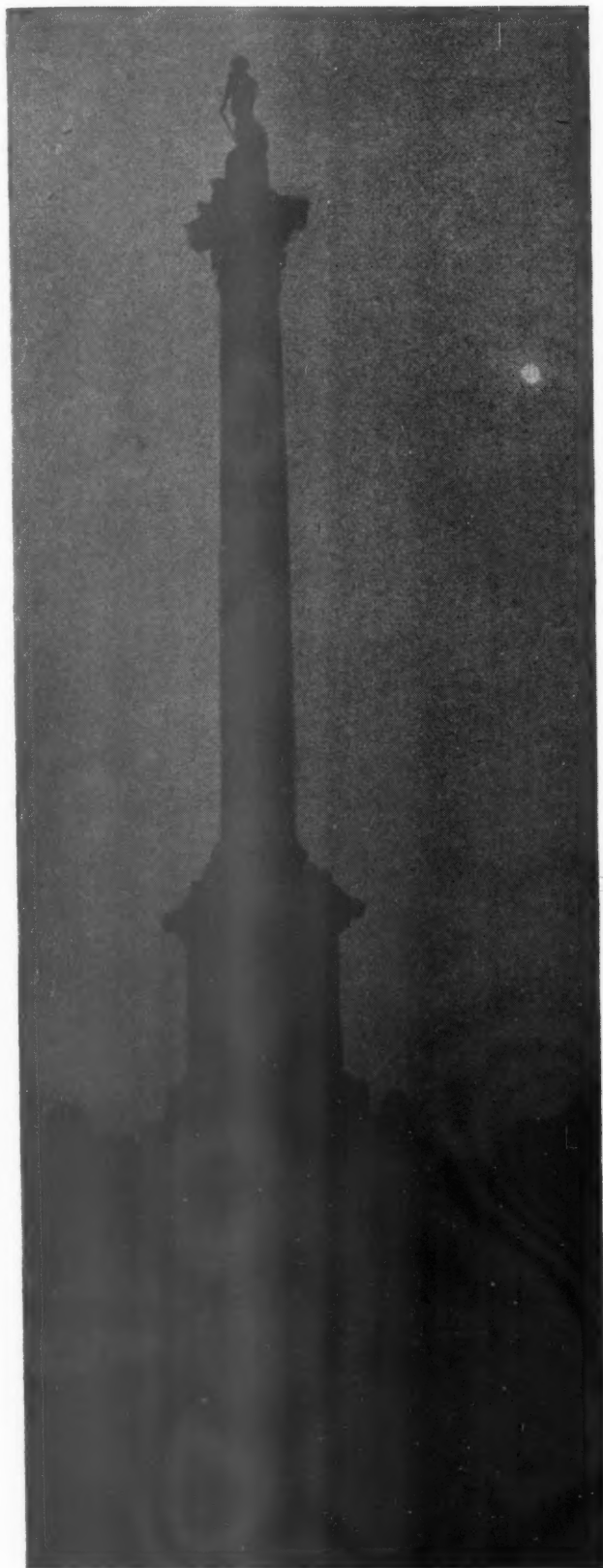
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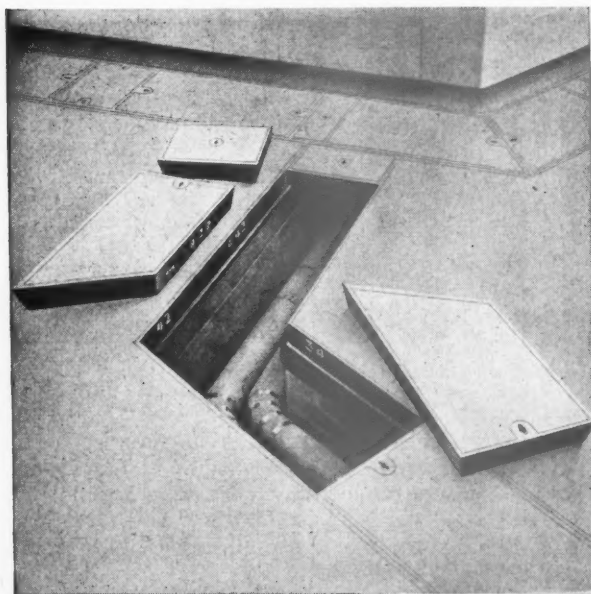
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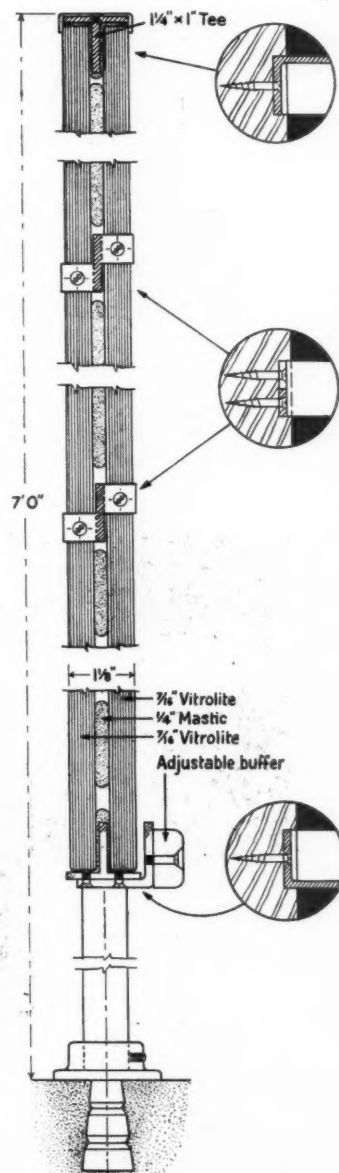
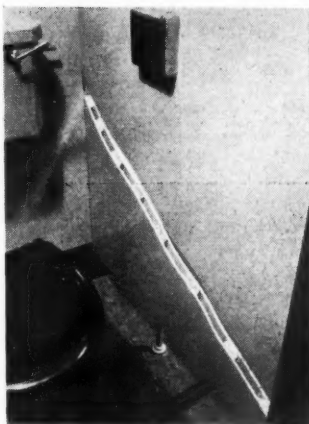
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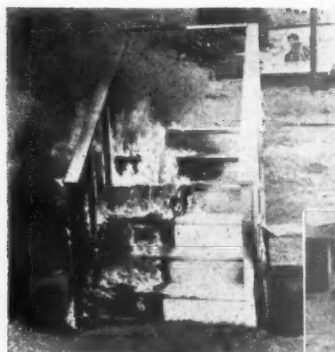
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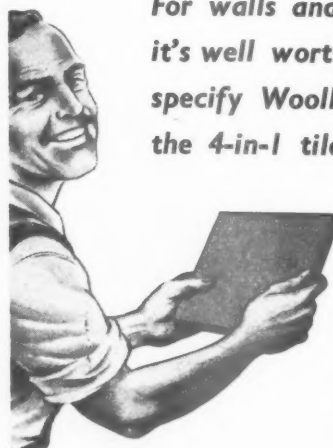
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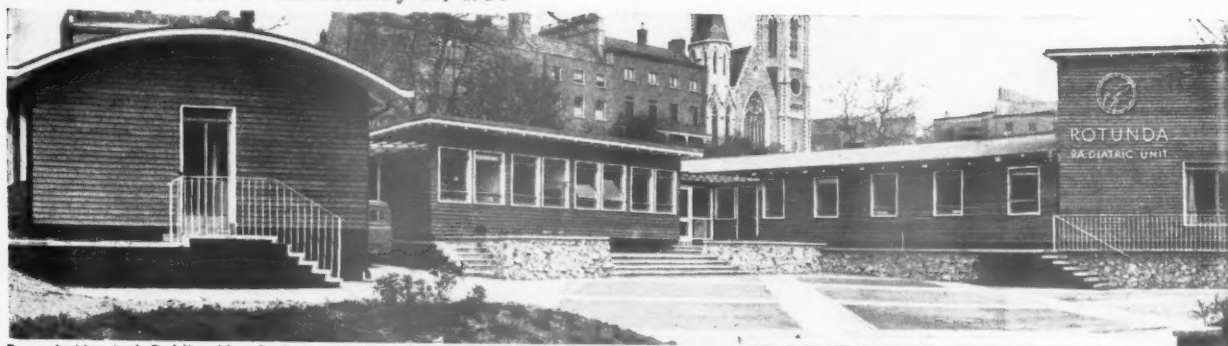
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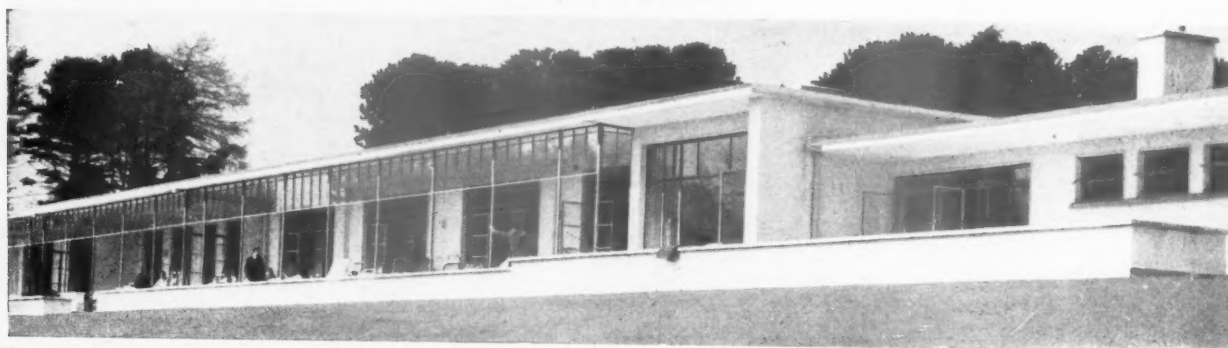
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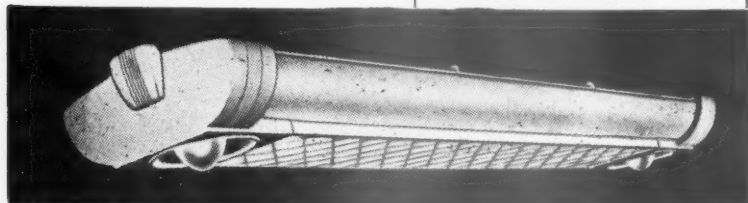
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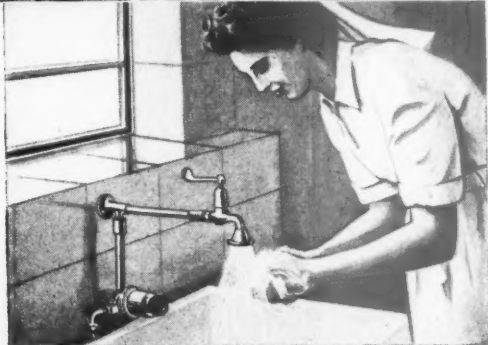
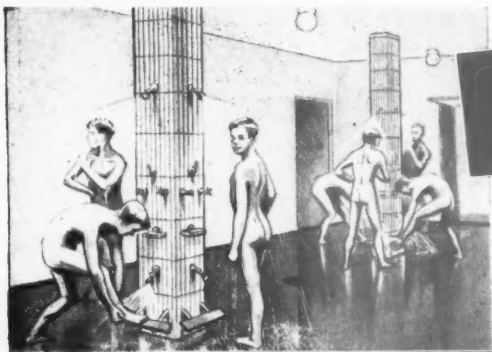
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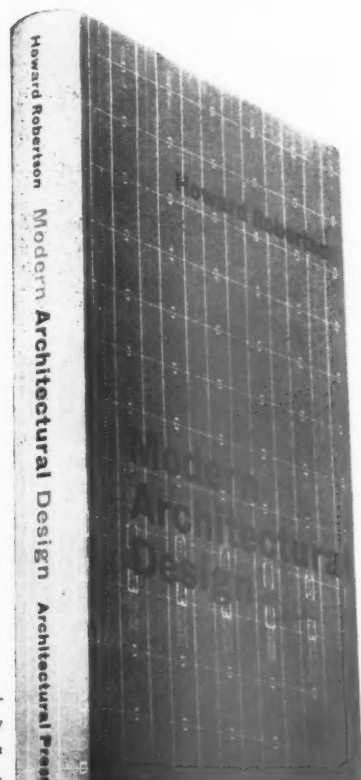


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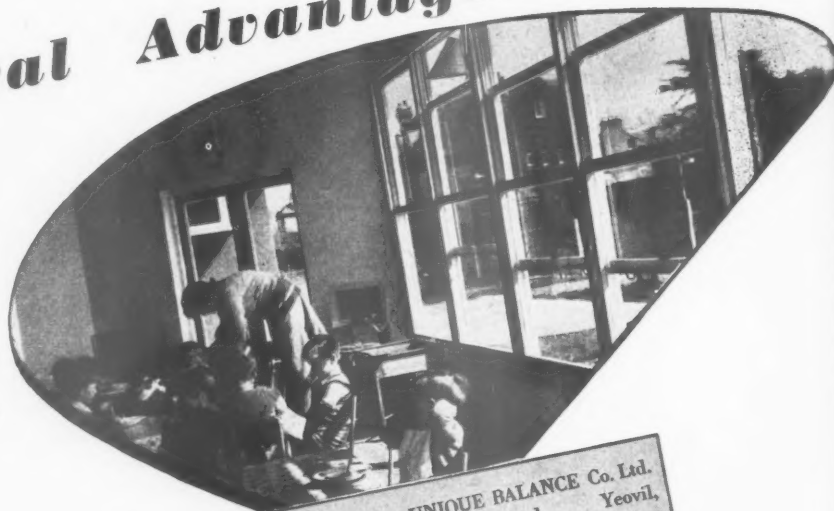
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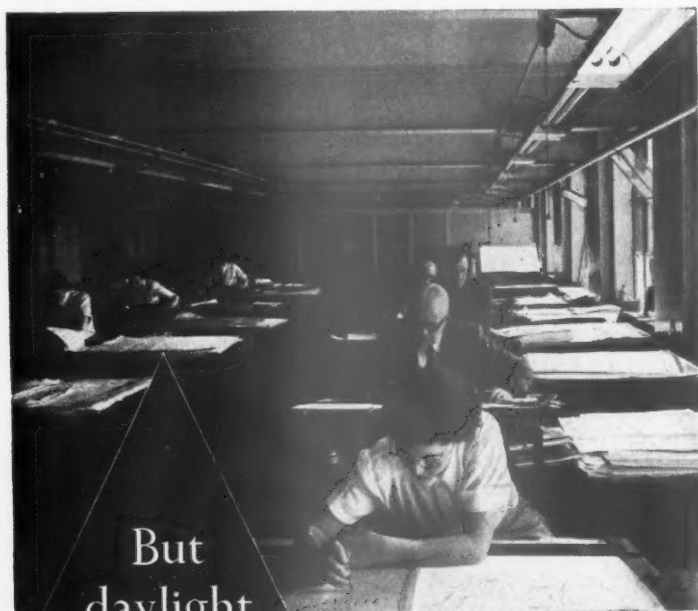
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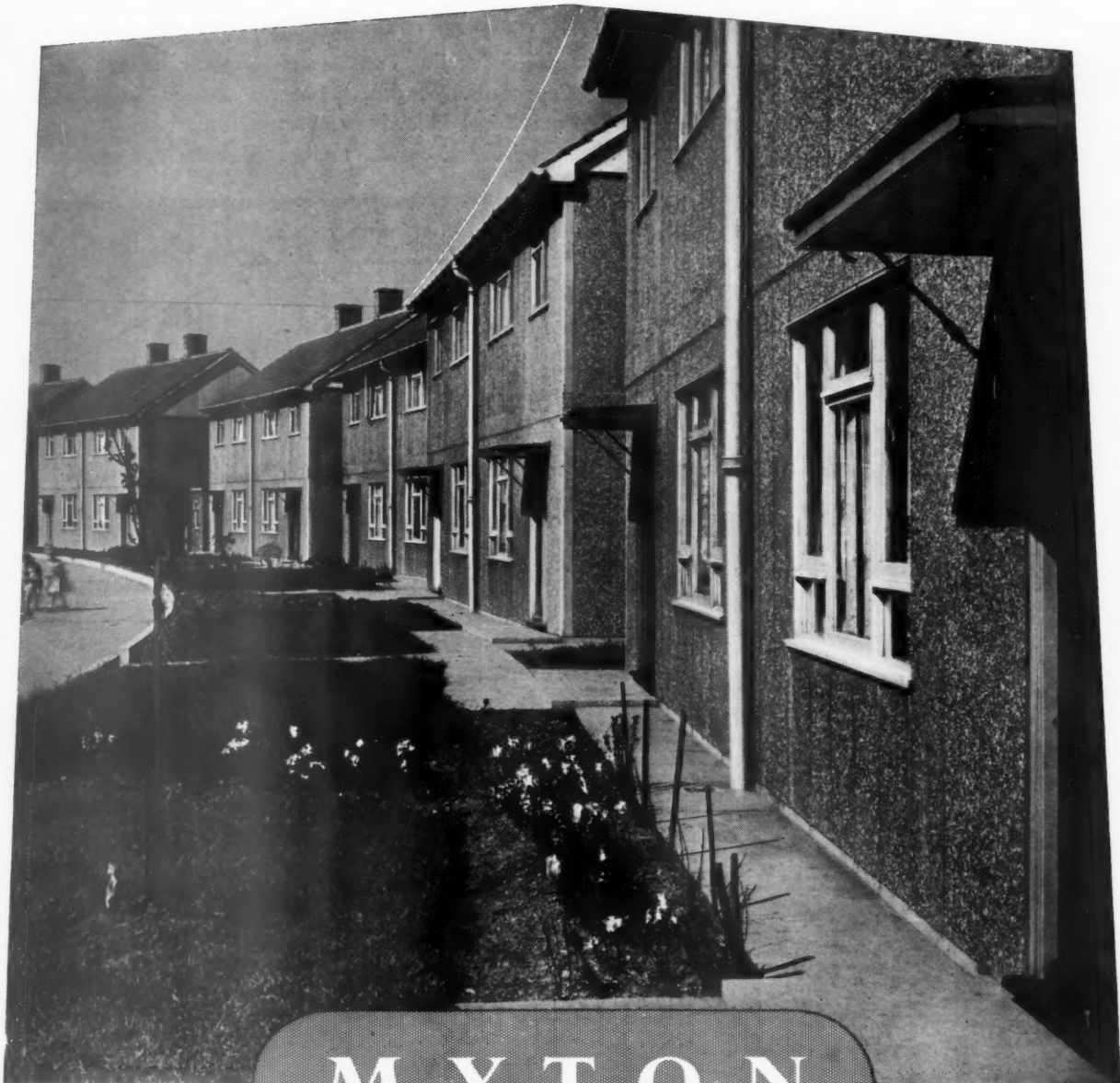
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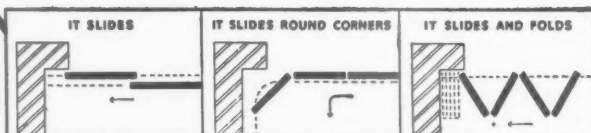
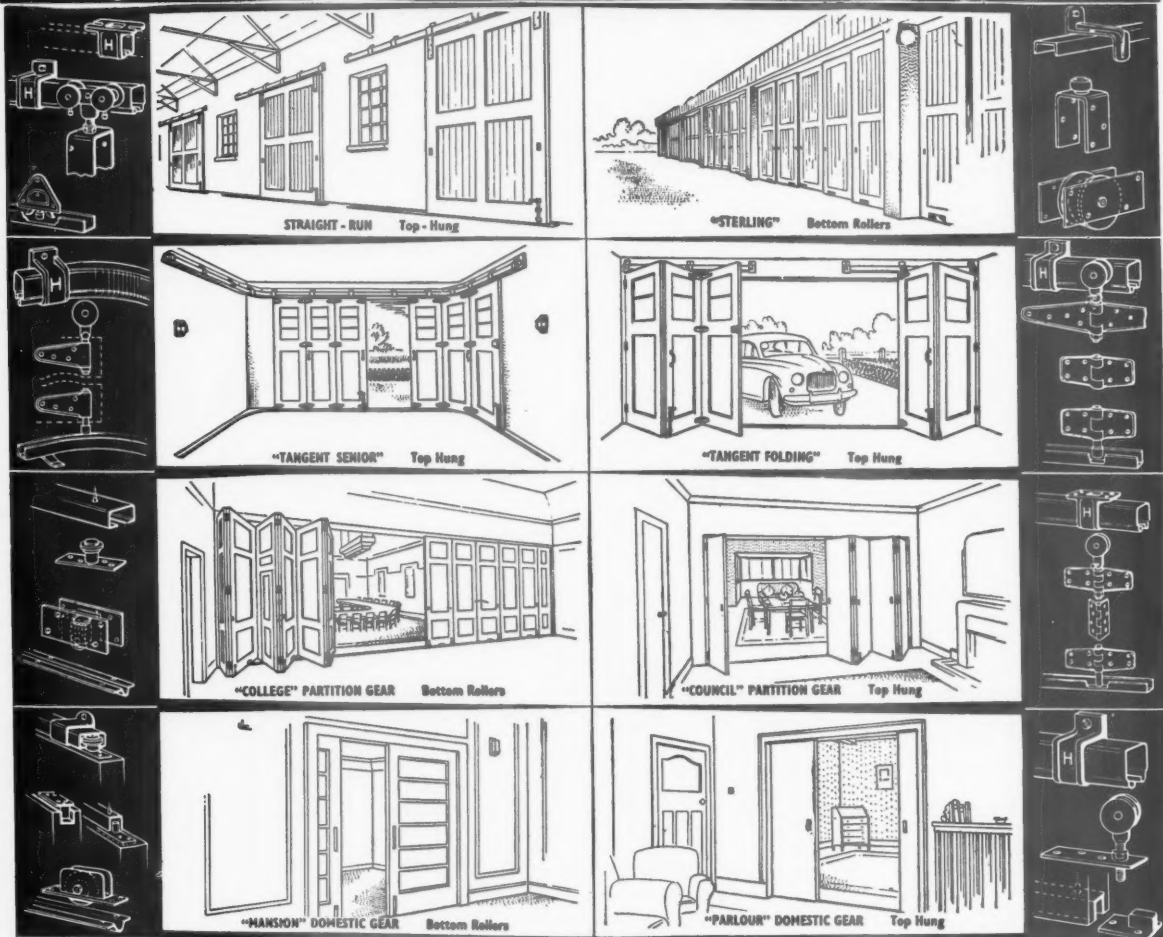
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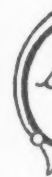
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No. 3077 February 18, 1954 VOL. 119

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IS THE ARCHITECT LAGGING?

As a result of the recent cold weather, architects have been receiving a bad Press. Angry letters to *The Times* from frozen householders are to be expected, no doubt. But when a newspaper—the *Daily Mail*—gives half a page to an article pretending to be a report of a trial by jury (housewives) of architects, builders and plumbers charged with designing and building “ice-box homes” and “frost traps” one begins to look for some sign of official advocacy of the architects’ case.

The subject is probably too trivial for the RIBA to handle. It hardly befits the dignity of an august and learned body to dash off dozens of angry letters to all

and sundry every time someone tweaks its tail. What we need, perhaps (failing the recommendations of Ian Bowen and Martyn Webb—see the JOURNAL of January 28), is some tough professional body which can enter into the hurly-burly of the ordinary business world and deal with all architect-general public affairs, whether it be negotiating professional fees and salaries or just telling ignorant journalists what jolly useful and efficient chaps architects are.

But supposing, you say—with intimate knowledge of some of your colleagues’ efficiency—supposing architects are at fault over the freeze-up? What if architects are negligent over specifying lagged pipes and tanks and efficient heating appliances? Then, I suggest, the various clients suffering from bad designs should make their complaints to the RIBA Council. The Council has in the Professional Conduct Committee just the instrument for protecting the good name of the profession if it is being let down by its own members.

STATIC STUDENTS

Mulling over Basil Spence’s remarks to students at the RIBA the other day (see last week’s AJ), ASTRAGAL was reminded how difficult it seems to be nowadays to get lots of entrants—and therefore really hot competition—for many of the prizes and scholarships which lie around waiting to be picked up.

Lack of interest in the subject or the problem set does not seem to be the only reason—could it possibly be lack of interest in the prize? Surely not.

“Just think of it,” said Spence, his mild White Knight figure incandescent with enthusiasm. “Blue mediterranean skies . . . the smell of garlic . . . the touch of marble . . . the song of nightingales . . . and only two entries” (or words to that effect).

Where are the lads who, in ASTRAGAL’s younger days, seemed to exist for anything from three to five years on travelling grants and research fellowships? Where are the lads who took pride in sitting up all night to finish a rendering in weak tea laced with spirit gum? Embalmed in some office, perhaps, at the age of 23, and turning out $\frac{1}{2}$ in. details of a foot clinic?

Nor does competition among the more mature seem all that fiercer—though it is confined as a rule to members of the teaching profession, who can sometimes more easily scrape the time off for a trip to Athens or Amsterdam. No, it all seems a pity, and Spence was right to raise his eyebrows. Congratulations to him too, for saying something about every competitor—a courtesy less common than it should be—and congratulations too to our president, Howard Robertson, for his candid, if over-critical, comments upon his own previous speeches—a rarely encountered experience.

Altogether a spirited evening despite the temperature outside.

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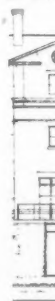
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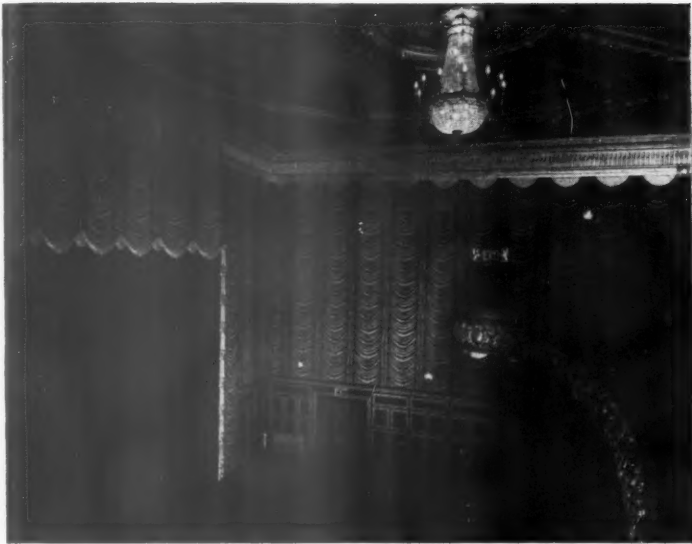
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The re-designed interior of the Academy Cinema, Oxford Street, which is the subject of an ASTRAGAL comment on page 209. The designer was Angus McBean.

round. However, a little judicious alteration to key buildings can do a lot to alter this laudable state of affairs, and just that is about to happen at Lowestoft, where a masterly piece of Anti-Urbanism** is being planned.

*

The victim (see illustration) is the Royal Hotel—chosen probably because it is a building for which no local authority would plead, since it is not old, still less is it “olde.” Nevertheless, to run a razor over a face of character like this (the charming verandah and balcony are to go) leads to cutting its throat as architecture and ASTRAGAL does not applaud the process—even if it does add 8 ft. to the dining room.

*

This is special pleading for a special case, not an attempt to embalm every Victorian sea-front. The whole point is that the Royal is far above the average of Victorian speculative building, both in itself and in the way it acts as a focus for the whole front. For a change, this is design and not accident, as the whole

** Anti-Urbanism: a praiseworthy extension of the principle of creating New Anti-Towns to the making of Anti-Towns out of such genuine towns as already exist.

layout of hotel, pier, esplanade and fish-markets was the plan of John Thomas, built for Sir Morton Peto in 1846-50.

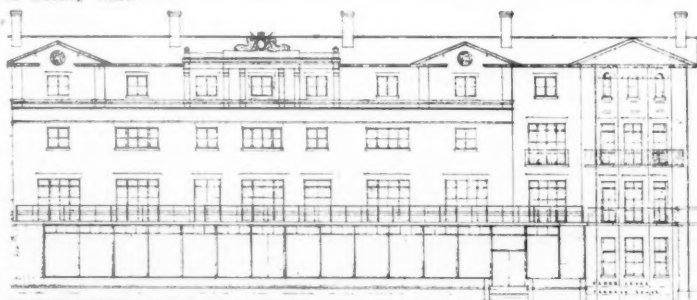
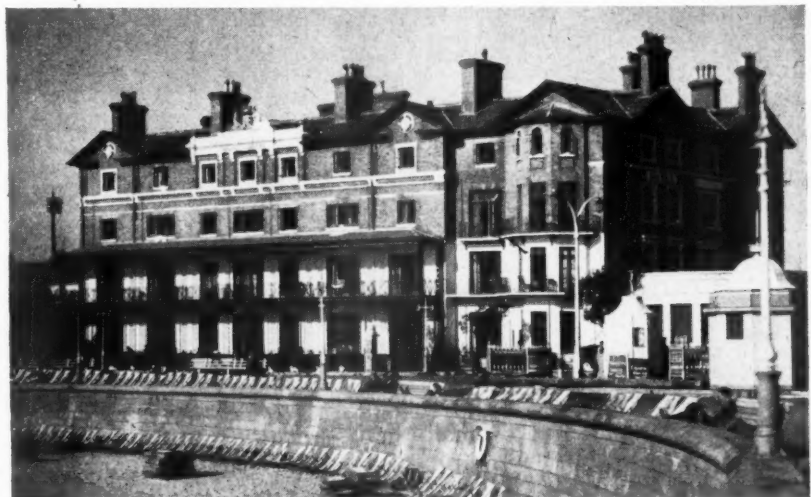
*

ASTRAGAL suggests two alternatives—preferably, reconsider the whole idea and preserve both an irreplaceable building and the integrity of the town; otherwise, re-erect the verandah as a porch to the Victoria and Albert, with

the inscription: “Early Victorian. Brought from Lowestoft, where its beauty and fine workmanship proved too much for the inhabitants.”

BRITISH DRAWINGS

The new exhibition at the Institute of Contemporary Arts, *Recent British Drawings*, clearly means no more than its title suggests, with the



The Royal Hotel, Lowestoft, as it is now (above) and as the main part of it will be (left) when an “improvement” scheme, involving the loss of the verandah and balcony, is completed. (Architects, J. Owen Bond and Son.) ASTRAGAL comments on this piece of “anti-urbanism” in a note beginning on page 205.



Beauty and Beast?

These pictures come from a page of "The Bridges of Britain," a two-guinea book just published by Batsfords and the first comprehensive survey of the subject. The author is Eric de Maré, who was at one time on the editorial staff of the JOURNAL. Most of the photographs in this handsome work are by the author, including the one above. The caption reads: "Beauty and Beast. A contrast in movable bridges. Above: Newport Transporter Bridge of 1906. Left: London's Tower Bridge . . . completed in 1894." The text of the book refers to Arnodin's Transporter Bridge as being "in its ethereal lightness, its honesty, simplicity and economy a work of 'art,' and to Tower Bridge as "an absurd structure," "an old fraud" of which "we have grown fond in a subjective way." What would John "Pinnacle" Betjeman say?

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POINTS FROM THIS ISSUE

Architects and the freeze-up	page 209
Problems of demolition and re-housing	page 210
MOW's " Building Today " exhibition reviewed	page 214
Current rates of wages and materials' prices	page 227

result that the range of the exhibits is wide. It is a nice change to visit an exhibition where one comes on an abstract work as a refreshing diversion from a lot of representation; and it is equally a change to see some recognizable impressions of architectural subjects—such as Professor Coldstream's Italian drawings.

WEST END TOUR

On the way home from the ICA, ASTRAGAL couldn't help observing the changing appearance of the West End. One depressing alteration which seems to have come to stay is the forlorn and abandoned aspect of the Electricity Showrooms in Regent Street. This masterpiece by Max Fry is still closed, and still appears to contain the heaps of *débris* that have been there since the fire. The building is an historic monument (to the Modern Movement in England), and someone ought to schedule it as such. Further down Regent Street one noticed that the New Gallery is now something between a cinema and gospel hall, but manages to maintain the equilibrium of this pose with a decorum which extends to the interior redecoration.

Decorum, however, is hardly the word for the new interior of the Academy Cinema, and ASTRAGAL was badly shaken by the scalloped gilt marquise over the entrance. The new scheme is a rousing piece of Regency-Victorian revival with enough gilt-work splashed about to warm the heart of Cecil B. de Mille. (Illustrations on page 207.)

ASTRAGAL, who has approved the re-Victorianization of other theatres, when they already exhibited Victorian features, is less happy about treatment of this interior, which never (to his knowledge) looked very Regency or Victorian before, in spite of the plasterwork of the ceiling. The use of this style is the result of careful consideration, apparently, and the possibility of a contemporary treatment had been examined, but since (according to the Press handout) "the structure of the building would not lend itself to modern streamlining" it seems possible that only one type of contemporary, and a rather nasty one at that, had been considered. A pity; one would have liked the inside of the Academy to be as brisk and up-to-date as its programmes.

ASTRAGAL

The Editors

ORGANIZATION AND METHODS

AT first sight the recommendations of the Treasury team of "Organization and Methods" experts on Coventry Corporation probably caused little stir in the architectural profession. *The Times*, however, thought them worth a long leading article, and readers of that paper may have noticed a subsequent letter from the town clerk of Barrow-in-Furness, complaining that one of the purposes behind the recommendation was to open the position of town clerk to competition from the civil service. All this may have seemed well outside the architect's sphere, and readers may wonder why the JOURNAL should be bothered about it.

We are concerned because we think that public architecture has a great potential future (as our Guest Editors pointed out a year ago), and because good architecture can only be produced under the right sort of conditions. Anything, therefore, that affects city, county or borough architectural departments is our concern—and your concern, too, whatever sort of architect you are.

Now what did the Treasury recommend? They gave the impression that they wanted the town clerk to stop being a professional legal expert, and to become, in effect, a town boss. He was not only to have extended powers as administrative co-ordination, but he was to be "establishment" officer and "methods" officer as well, with full supporting staff. As a result, the city or borough architect might well find himself under continuous surveillance on detailed matters concerning both his staff and his organization. This interference would come from a possibly non-professional and certainly non-technical source, with a constant call for cheapness rather than economic building, which may be expensive in first costs but economic to run, and good design is nearly always the first sufferer in an economy drive.

If the civil service itself set the highest standards of design and efficiency the grounds for suspicion might not be so great, but (with a few notable exceptions) the treatment of professional and technical men in government departments leaves much to be desired. One is strongly reminded of the regional planning officers, set up by the shining new Ministry of Town and Country Planning during the war, who had non-technical regional "controllers" put over them a few years ago, the

net effect of which was to reduce their status to that of advisers to the policy-making civil servants.

There are elements in civil service which are always likely to become parasitical, and through their influence authorities could easily become saddled with non-productive and superfluous supervisors, whose salaries could be far better spent in other ways. The right way is surely for local authorities to concentrate on employing first-class architects and other professional men, and to pay them adequately. This, in our opinion, is far more likely to produce good architecture (and good service generally), at the right time and price.

SQUALID PICTURESQUE

A ruthless surveyor or sanitary inspector obeying the letter of the law could today condemn as unfit for human habitation, and cause to be demolished, somewhere around two to three million of the country's houses. Such an action, worthy enough if alternative accommodation for the seven to ten million people thus rendered homeless was immediately available, will rightly be taken as the housing programme continues and those living in industrial town slums can be given new houses. But should the same action of demolition and rehousing be taken in rural areas? Within ten years we can wipe out rural slums. But do we really want them to go? The sleepy high-streets and charming back alleys of country towns, the huddled cottages of ancient hamlets and villages, all *sans* d.p.c.'s, plumbing, adequate ceiling heights and, frequently, main drainage, should not be allowed to disappear within so short a time as ten years, if only for the sake of our tourist trade. The JOURNAL may have pinned its faith to modern architecture, and modern architects, but it would be the first to agree that a satisfactory contemporary style will take many decades to evolve. There would be little that would satisfy the tourist or native in an English countryside of 1964 rebuilt with houses of today's, or even tomorrow's pattern. It would be reasonable, surely, to exact another thirty to fifty years of life from those matured eighteenth and early nineteenth century cottages which largely form the attractive quarters of our towns and villages. To do this they must be repaired and maintained at a cost which their owners may be reluctant to pay. Certainly it is neither socially desirable, nor in any event likely, that these houses will be preserved by being acquired as country retreats for the wealthy retired middle-classes.

The most practical solution for lengthening the life, by a few years, of much of the country's loveliest architecture lies in comprehensive schemes for conversion and repair by enlightened public authorities or private owners. Guest Editor Felix Walter, who, during 1954, will be studying the whole problem of the use we make of the country's existing stock of houses in the light of the Government's Repair and Rents Bill, will pay particular attention to this problem of maintaining houses and cottages in country town and rural areas.



S. R. Vaughan Ellis, A.R.I.B.A.

*Douglas W. Richardson,
A.R.I.B.A.*

Provincial Architect No. 2.

Michael Dugdale, A.R.I.B.A.

*M. Hartland Thomas, O.B.E.,
F.R.I.B.A.*

Max Gordon

The State of the Profession : A Subject for the RIBA Conference

SIR.—Your journal has performed a signal service to the profession in carrying out a survey in a most thorough and competent manner. It was a most original, and bold, stroke of genius to put the work in the hands of such talented and competent men as Professor Bowen and Martyn Webb, who, having no axe to grind, have been able to bring to the notice of architects the state of the profession in an independent and forthright way.

As Professor Bowen has indicated, it is now "over to us." I believe that the profession will indeed be foolish if it neglects or delays the opportunity to examine very closely the evidence disclosed by this survey, and to take appropriate steps for the future good.

It is my considered opinion that the main points brought to light by this survey should form the most important items on the next session's programme of the RIBA and the Allied Societies and, that the session should culminate with the British Architects' Conference, 1955, having this survey and its findings as the conference subject. Here indeed is the opportunity for the RIBA to take the lead and to properly establish itself as "The Architects' Society" and also to end the criticism that the conference is nothing more than a sociable occasion.

Principals and assistants have an equal interest in these matters and a thorough ventilation of the problems of both could only lead to a better understanding between them and be of great value to the good of the profession as a whole.

Although most of us will already have been aware of the conditions which the survey shows to exist this is, I think, the first time the problems confronting the profession have been clearly stated with

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supporting evidence given to show the reasons for them. The profession must find the answers; it can only do this by collective action, and the sooner it does this the better.

S. R. VAUGHAN ELLIS.

Cornwall.

Salaried Architects

SIR,—Although the salaries of chief officers of government departments and local authorities have been increased since 1939 they are very considerably less than the equivalent pre-war value. Unjust as these circumstances are it is, nevertheless, possible to maintain something of a professional standard on the present chiefs' salaries.

But the consequences of underpaying principal officers has had a disastrous and accumulative effect on the incomes and circumstances of senior members of their staffs who hold similar and sometimes better qualifications, but have been unable to secure a chief's appointment, a matter which is to some extent fortuitous. Their incomes have been reduced to an absurd figure as far as real values are concerned. Also the basic salaries paid by industry are largely gauged on those of government and municipal servants.

Unless the universities and members of learned societies of this country are willing to co-operate to correct this matter, the effect on the State will be serious. It is futile to spend one's money and above all, one's time, in five or more years study, merely to receive a trivial salary wholly incommensurate with either the value of the work or responsibilities of the appointment.

It is of vital importance to those considering qualifying for membership of any professional institution to examine the appointments vacant and the remuneration offered in the various technical publications in the public libraries for a considerable time before proceeding further. The exception being those who for various reasons are able to establish themselves in a sound private practice.

This will ensure that the prospective fellow has an accurate impression of what the Welfare State considers his qualified and experienced services to be worth.

DOUGLAS W. RICHARDSON.

Langs.

The RIBA Lets George Do It

SIR,—Is the RIBA any use? Your correspondent PROVINCIAL ARCHITECT (February 4) has put a pithy poser to the pundits of Portland Place.

After over twenty years' experience the RIBA appears to me to be a purely academic body, without a care in the world as to how the other architectural half lives.

There has been no bold tackling of the very serious problem of private work by unqualified persons, and/or qualified persons in public employ.

Surely the RIBA should, in the interests of its members, seek statutory power to compel local authorities to accept only plans produced by registered architects.

The RIBA, when appealed to on this subject, says that much can be done by allied societies, branches and chapters. In other words, "Let George do it."

No sir, so long as that attitude prevails I find it difficult to believe that the RIBA is of any use.

PROVINCIAL ARCHITECT NO. 2

"Tea-Shop Architecture" on the Grand Canal

SIR,—ASTRAGAL assumes that the scratchy little sketch published in *The Times*, and

again, slightly larger, in your issue of February 4, must necessarily disarm criticism, make Mr. Quennell feel foolish, and reassure the world that no outrage is to be done to the Grand Canal.

I believe he is over-confident. We had feared, for Venice, something vigorous and inappropriate. What she is to have are the Art-Nouveau totem poles of Lloyd-Wright's early manner. So only half of our misgivings are justified, for this is tea-shop architecture in which there is no suspicion of vigour.

MICHAEL DUGDALE.

London.

Standardization

SIR,—Mr. Jeremy S. Dodd's plea for standardizing buildings and all components on the brick's $4\frac{1}{2}$ -in. horizontal and 3-in. vertical dimensions (February 4) has an engaging simplicity, but does not bear examination. There are too many components used in either a horizontal or a vertical position to permit the use of two modules, one horizontal and one vertical: so that in effect Mr. Dodd's proposal is the adoption of the difference between these (*viz.* $1\frac{1}{2}$ in.) as the module. This is too small for any worthwhile simplification, and when one takes the $2\frac{1}{2}$ in. closer into account the brick module shrinks to a mere $\frac{1}{2}$ in.

The other reason why brick dimensions are not suitable for dimensional co-ordination is that they are not sufficiently consistent, either in manufacture or assembly.

M. HARTLAND THOMAS

London.

Long Drawn-out Joke

SIR,—Knowing your interest in architectural styles, I enclose a sketch of a project on which I am now working. It is in the

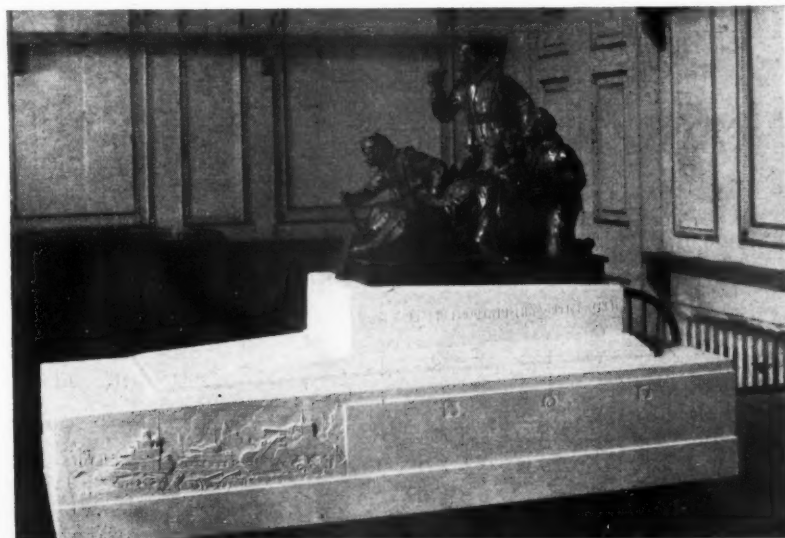


style of a well-known master, and is a design for a long week-end house.

MAX GORDON.

London.

The design by Sean Crampton, MC., GM., which was awarded the first prize in the competition, organized by the Royal Society of British Sculptors, for a memorial to the Royal Armoured Corps. Second prize went to W. Dudeney and third to G. H. Paulin.



LCC

More Work on Festival Hall

In order to get the Royal Festival Hall ready in time for the Festival of Britain, some work was left unfinished, "leaving external walls of the auditorium unsightly". The LCC propose that the work should now be put in hand, at an estimated cost of £16,000, and that the supply and fixing of stone facings should be undertaken by the specialist firm who did the earlier work.

COMPETITION

Church in Ireland

The Very Rev. Timothy B. Condon, P.P., has decided to promote an architectural competition for the design of a proposed new church in Clonskeagh, in Donnybrook parish, near Dublin. (Irish competitors only.)

The assessors are Gerald McNicholl, B.A.R.C., F.R.I.A.I., A.M.T.P.I. (chairman); Niall Montgomery, B.A.R.C., M.R.I.A.I., A.R.I.B.A., and Frank Gibney, M.T.P.I. They will be assisted in adjudicating on the designs by the Very Rev. W. J. Fitzpatrick, D.D., M.A., P.P.

RIBA

Fire Research

A small exhibition "Fire Research and the Architect," publicizing the work of the Joint Fire Research Organization, opened at the RIBA on February 10.

It is confined to graphic representations of the various methods of testing which are used to clarify our ideas of "ignition," "combustion" and "Fire Resistance" and of practical methods of fire control. As such, writes a correspondent, it contains little that the architect does not know already (or *thinks* he knows), for—as in the case of almost all small exhibitions—the promoters are more concerned to draw attention to general principles than to present detailed applications.

Granted that, in the construction of new buildings, architectural ingenuity in respect of fire is best spent in making sure that the enforcement of existing Fire Regulations does not prove too onerous, the most fruitful lesson of this exhibition relates to the adaptation of old buildings, for the incidence of fire in old property must surely be far higher than that in new.

Visitors to the exhibition will be able to pick up (literally) much valuable information from the pamphlets of the Fire Protection Association, a selection of which is available, free of charge, in the room.

The exhibition, which closes on February 26, is open on weekdays from 10 a.m. to 7 p.m., and on Saturdays from 10 a.m. to 5 p.m.

Venetian Villas : An Exhibition of Photographs

An exhibition of photographs of Venetian Villas is to be the Royal Institute's major spring exhibition. It will be on view from February 25 to March 27 and will be opened by the Italian Ambassador.

The exhibition, which has already been shown at Treviso, Milan and Rome, is being brought to London especially for showing at the Institute. It consists of photographs of villas in the region of Venetia, ranging in style from early Venetian Gothic to the Neoclassicism of the Napoleonic era. There are eight main sections in the exhibition, corresponding to the eight provinces that make up the region—Venice, Verona, Vicenza, Padua, Treviso, Rovigo, Udine and Belluno.

In addition to numerous examples of Gothic and Palladian architecture, the exhibition includes a photograph of the remains of Petrarch's famous villa at Arquà, built in the mid-fourteenth century, which was to become the prototype of the first country houses in Venetia.

Prominently featured in the exhibition are Palladio's villas in and around Vicenza.

It is expected that the exhibition will visit some of the major towns in Britain after it has been shown in London.

Purchase Tax on Flooring

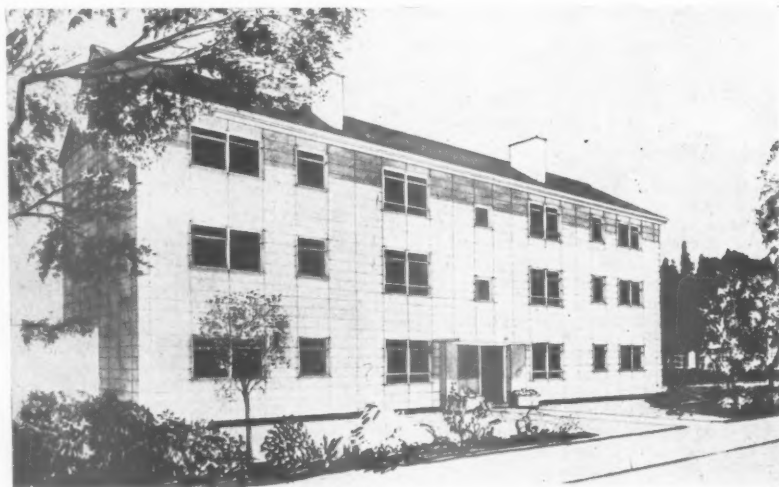
The RIBA council considers that the imposition of a purchase tax of 25 per cent on thermoplastic tiles and similar flooring materials constitutes an artificial increase in the costs of housing, and that representations on the matter should be made to the Treasury.

Appointments

F. J. M. Ormrod, president of the Liverpool Architectural Society, is to be RIBA Representative on the Liverpool University Court of Governors, in place of F. Charles Saxon.

A. W. Kenyon is to take W. F. B. Lovett's place on the Town Planning Joint Examination Board.

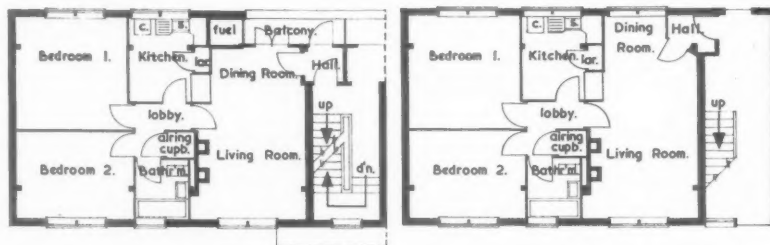
BUILDINGS IN THE NEWS



Flats by Unity Structures Ltd. at the Ideal Home Exhibition

The flats above and the flats and house on the opposite page are from the village designed by Trevor Smith, for the Ideal Home Exhibition, Olympia (March 2-27).

Unity Structures Ltd. will build this three-storeyed prototype, the first of a range which will include taller blocks of flats of one, two and three bedrooms each.



Prefabricated African Hut

This African native style hut has been designed and built by Booth & Co. (England) Ltd. An aluminium or steel roof made of 18 panels is erected on metal legs embedded in the ground, and the African builds his own walls with mud, leaves and sticks.



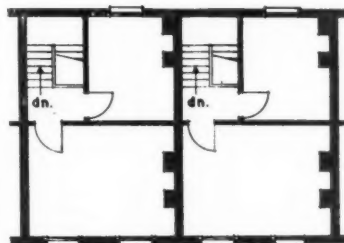
MOHLG's Ideal Home Exhibit

This exhibit will consist of 4 houses based on a group of terrace houses built well over 100 years ago in St. Pancras, and will show how to convert them horizontally to make a self-contained flat on each floor. The exhibit shows in various stages how all the work was done, with its exact cost.

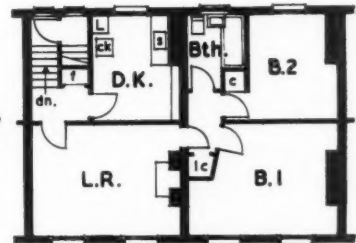


Exhibition House by Davis Estates Ltd.

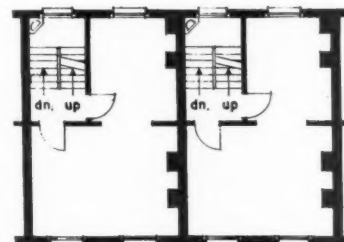
With a floor area of a little less than 1,000 sq. ft., this house—to be built for the Ideal Home Exhibition—costs approximately £2,750.



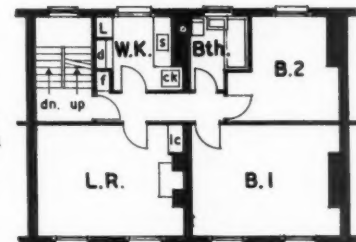
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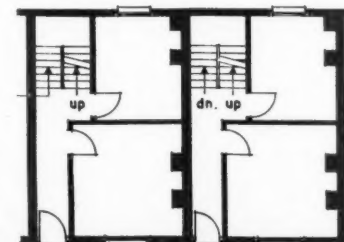
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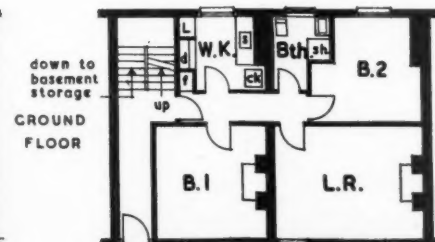


FLAT NO 2



HOUSE NO 1

HOUSE NO 2



FLAT NO 3

Conference Committee

The RIBA Council has appointed a standing committee to consider British Architects' Conferences and to make periodic recommendations on the organization and programmes of future conferences.

MOHLG

Housing in December

The MOHLG have announced that 33,505 permanent houses were completed in Great Britain in December, compared with 23,395 in December, 1952. During the whole of last year, 318,779 houses were completed.

DIARY

Royal Plate from Buckingham Palace and Windsor Castle. At the Victoria and Albert Museum, South Kensington. Weekdays: 10 a.m. to 6 p.m.; Sundays: 2.30 p.m. to 6 p.m.

FEBRUARY 19 TO APRIL 19

Lansbury Social Survey. John Westergaard. At the Students' Planning Group, 28, King Street, W.C.2. 6.30 p.m.

FEBRUARY 22

Modular Co-ordination in the Building Industry. Mark Hartland Thomas. At the RSI, 90, Buckingham Palace Road, S.W.1. 6 p.m.

FEBRUARY 23

Architecture in Elizabethan England. IV. Early Tudor Sources of Elizabethan Design. John Summerson. At the Court-aud Institute of Art, 20, Portman Square, W.1. 5.30 p.m.

FEBRUARY 23

Some Aspects of Stained Glass Design. H. Warren Wilson. At University College, Gower Street, W.C.1. 1.15 p.m. to 2 p.m.

FEBRUARY 23

Heal's New Designs. At Heal and Son Ltd., 193, Tottenham Court Road, W.1.

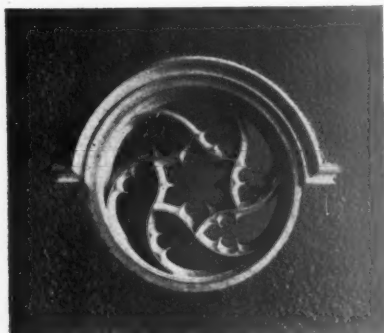
FROM FEBRUARY 24

Photographs of Venetian Villas. Exhibition at the RIBA, 66, Portland Place, W.1.

FEBRUARY 25 TO MARCH 27

28th Annual Country Meeting at Exeter. TPI. For particulars apply The Secretary, TPI, 18, Ashley Place, S.W.1.

MAY 7 TO 9



MOW

"Building Today"

The published purpose of the exhibition, "Building Today," presented recently at the Willesden Technical College by the Middlesex Education Committee and the MOW, in association with local and other organizations, is "to further the knowledge of those already in the industry and interest those who intend to enter it." It is impossible to concede more than a near-miss to the organizers, writes Basil Marriott. The Ministry's policy of hooking-up its stock exhibitions to existing training centres is a good one, but calls for careful thought to ensure that the hook-up works. That thought has not been taken at Willesden. Indeed, the Minister himself, in opening the exhibition, expressed more clearly than the exhibition itself what its aims should be. He referred to the need to attract into the industry young people of a type likely to replace an older generation of craftsmen, and stressed that this craftsmanship could infuse new methods and materials; and that qualitative standards were not to be sacrificed to quantitative ones in an assured future of "chronic full employment." He also said that new ways of living called for new ways of building, which was a matter of teamwork.

It is a pity that the Ministry's teamwork exhibit was not linked with the students' exhibits. Could it not have shown how each member of the building team trains for his job? The displays were well presented in themselves, but they did not merge to form an exhibition with a theme running right through it.

The system of building training illustrated at the exhibition — the modelling of Georgian, Gothic & Regency features (see photographs) — suggests that the young builder is being taught an entirely different language from the young architect. Will they not establish different standards for themselves, and is this a good thing?

By contrast, much of the architectural students' work is typical of people who are

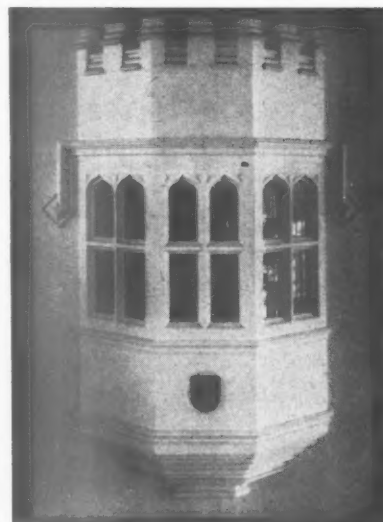
well aware of what is going on, and by no means inhibited by copy-book maxims. For instance, the young designer of the ubiquitous "riverside café," a competent assembly of contemporary detail—cliché, if you will, but none the worse for it—seems scarcely likely in later professional life to call for such stylistic schizos, or recognize their author as a fellow-member of the same team.

Have the architectural and building students been encouraged to compare notes about all this, one wonders, and if not, why not? If not, both are in for cruel shocks, and perhaps of the two the building students may have the greater shock for, paradoxically, their training may prove to have been the less realistic as a preparation for the "new ways." Lip-service is often paid to the advantages of training for the arts, crafts, sciences and techniques under one roof and in the same academic atmosphere. But is it yet a working collaboration, and does the interchange of ideas work both ways?

One is irresistibly reminded of a cartoon which really summed up the matter. It showed precisely one half of a modern cantilevered bridge projecting from a cliff over a river gorge: at a lower level, but in alignment, half a massive Gothic-arched con-

struction clumped its way on piers into mid-stream from the opposite bank. One disconsolate clerk of works says to the other, "I still think that one of us is working from the wrong plans."

At the "Building Today" exhibition, excellent though it was in parts, it was impossible to escape the feeling that one member of the team was still working from the wrong plans — and even speaking the wrong language.



The photographs on this page are of work done by students in the plastering classes of the Department of Architecture and Building (Principal: Norman Keep), Willesden Technical College. The work was on view at the "Building Today" exhibition, which is reviewed on this page.



HOTEL

at LUSAKA, NORTHERN RHODESIA

designed by G. A. JELlicoe; assistant architects,

SHEILA HAYWOOD, R. RUTHERFORD, PAULINE

DURLING, R. I. COLE and MARY BRAENDLE, advisory

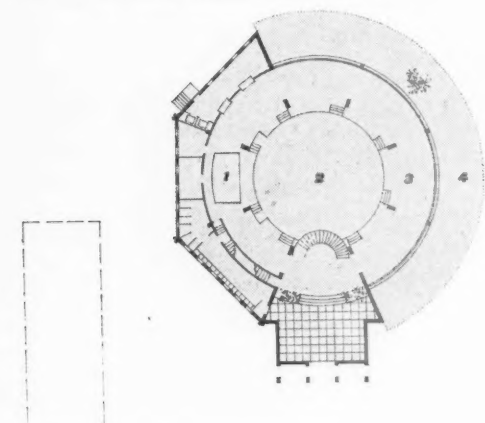
site architect, R. MCKINLAY, interior decoration DENNIS LENNON,

consulting engineers, BRIAN COLQUHOUN and PARTNERS

The site of the Ridgeway Hotel was established in the Advisory Plan for Lusaka in 1950. The building stands on a tree-clad spur above the lower town and the flat plain that stretches eleven miles to the more mountainous scenery of Chilanga. The climate is moderate but protection is needed from the sun, when it is overhead, and from the wind veering from the east, which drops at sundown. A proposed extension to the hotel is shown on the drawings overleaf.

The hotel from the south-west.

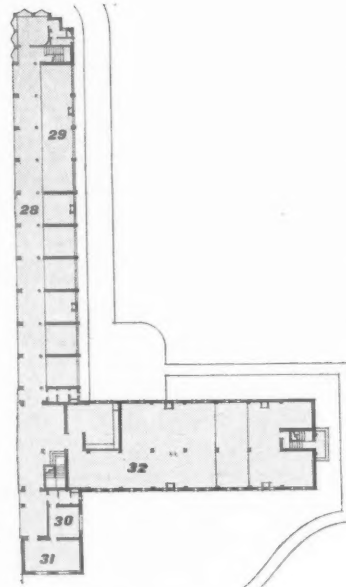




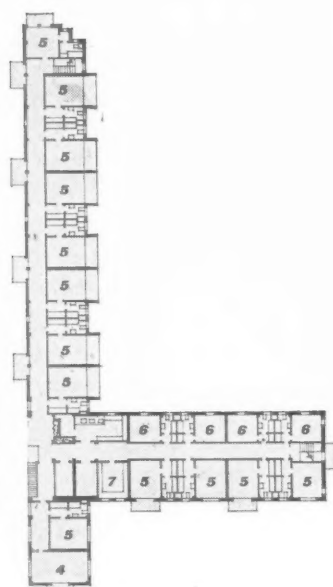
Proposed detached ballroom to the north of existing ballroom foyer (15)

Key
1, stage.
2, dance floor.
3, sitting out.
4, terrace.

Key
28, colonnade.
29, shops.
30, typists.
31, conference room.
32, store.



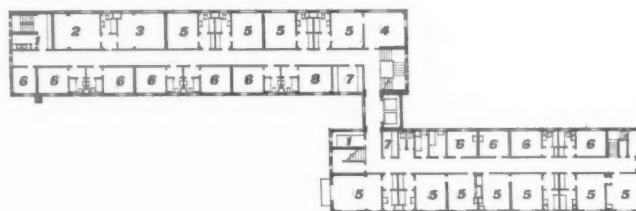
Ground floor plan of extension to the east of covered area (25)



Typical upper floor plan of extension

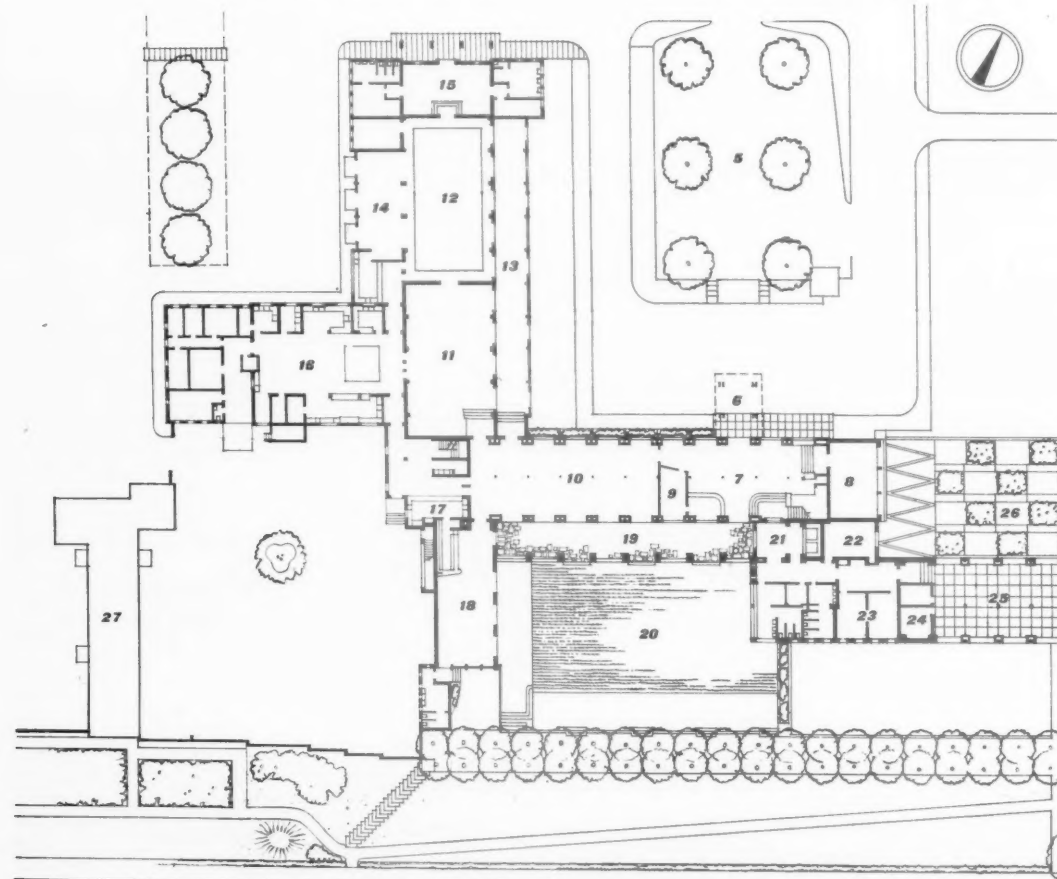
HOTEL

at LUSAKA, NORTHERN RHODESIA
designed by G. A. JELICOE



Typical upper floor plan

Key
1, pantry.
2, manager's bedroom.
3, manager's sitting room.
4, sitting room.
5, double bedroom.
6, single bedroom.
7, linen.
8, housekeeper.



Key
5, car park.
6, porch.
7, reception.
8, residents' lounge.
9, manager.
10, lounge.
11, restaurant.
12, ballroom.
13, terrace.
14, bar.
15, foyer.
16, kitchen.
17, wine dispense.
18, bar.
19, terrace.
20, pool.
21, lifts.
22, accountant.
23, 24, offices.
25, covered area.
26, private garden.
27, laundry.

Ground floor plan and site layout
[Scale: $\frac{1}{4}$ " = 1' 0"]

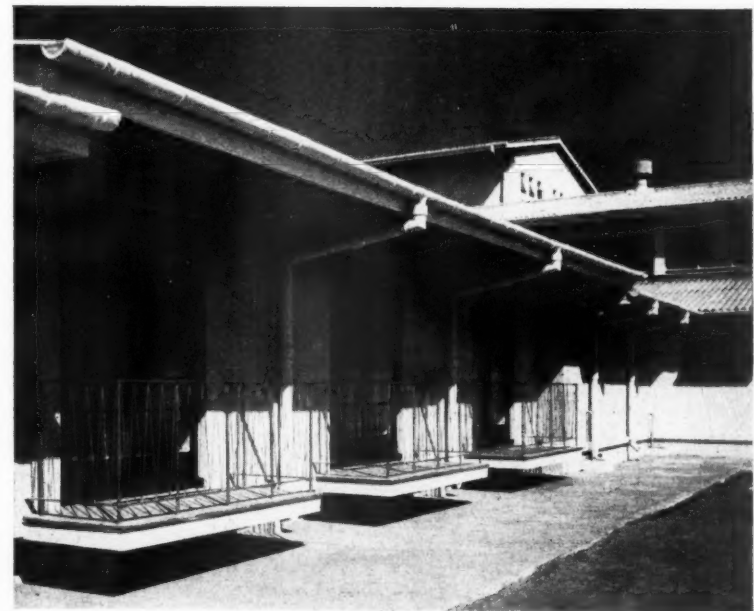


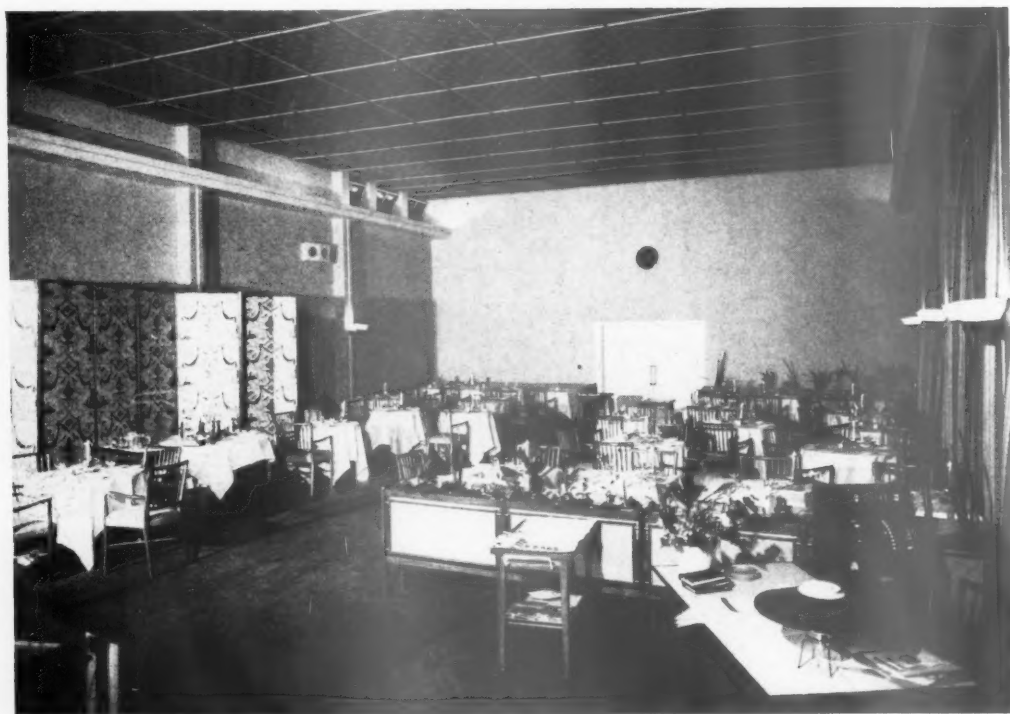
Above, the main entrance, on the left, and the ballroom and restaurant wing beyond. Above, right, the three-storey living accommodation. Right, a corner of the pool from the north-east, looking towards the bar. Below right, balconies outside the ballroom bar, from the north-west.



PLAN.—The hotel has 26 double and 28 single bedrooms, each with bath, public and private lounges, outdoor terraces, restaurant bar, cafe and ballroom. A detached ballroom is to be built later; the present ballroom will then be incorporated in the restaurant. The lounges and kitchen quarters already built will not need to be enlarged when an extension containing 50 bedrooms is constructed. A pool, surrounded by open terraces, gives a sense of abundant water in an environment that is normally dusty and dry.

CONSTRUCTION and FINISHES.—The buildings have reinforced concrete frames and brick in-filling panels. Walls are rendered externally and colour-washed pale pink. Roofs are of asbestos sheeting on timber frames. The light furniture and vivid splashes of colour against a cool background are intended to provide "repose and stimulus" in a monotonous landscape. In the residents' lounge the walls are pale grey, the upholstered furniture is dark green and grey, the ceiling is pale yellow and the occasional arm-chairs are scarlet. The ballroom is mainly white, with panels of scarlet flock wallpaper and curtains in white and gold. The ceiling has been





Left, the restaurant, which has a deep red and gold ceiling and grey and yellow striped silk curtains. Below left, the terrace on the north side of the pool. The piers on the right are of local limestone. Below, part of the ground floor reception area, looking towards the lift lobby.



HOTEL

at LUSAKA, NORTHERN RHODESIA
designed by G. A. JELlicoe

finished in squares coloured pink, blue, grey-green and yellow. The dining room has a deep red and gold ceiling, striped grey and yellow silk curtains and mustard yellow and black cushions. The walls of the main entrance hall are a light grey-green, the columns are pale blue and the curtains are lemon-yellow. The floor is of grey-

green and white terrazzo squares. The designs for the hotel were made in close collaboration with the hotel manager, who worked for a time in the architects' office, and the manager's wife was made responsible for the gardens.

The general contractors were Richard Costain, Ltd. For sub-contractors see page 234.



SECONDARY SCHOOL

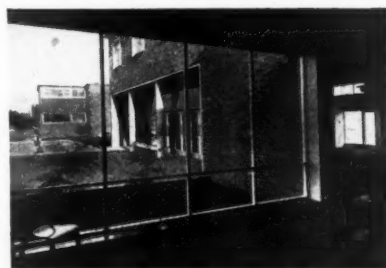
in COLLEGE ROAD, CHESHUNT, HERTS

designed by NORMAN and DAWBARN, architects and consulting engineers

in association with C. H. ASLIN, county architect

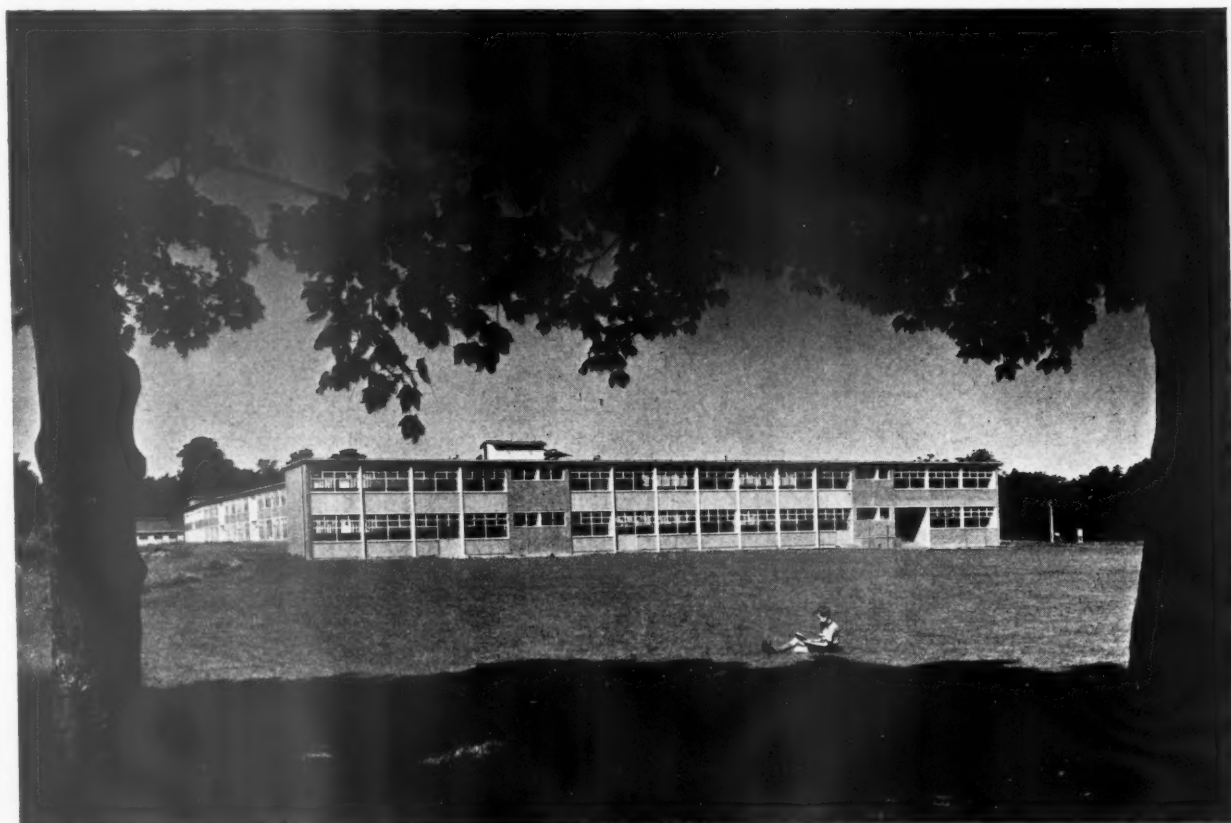
quantity surveyors, WILLIAM C. INMAN and Partners

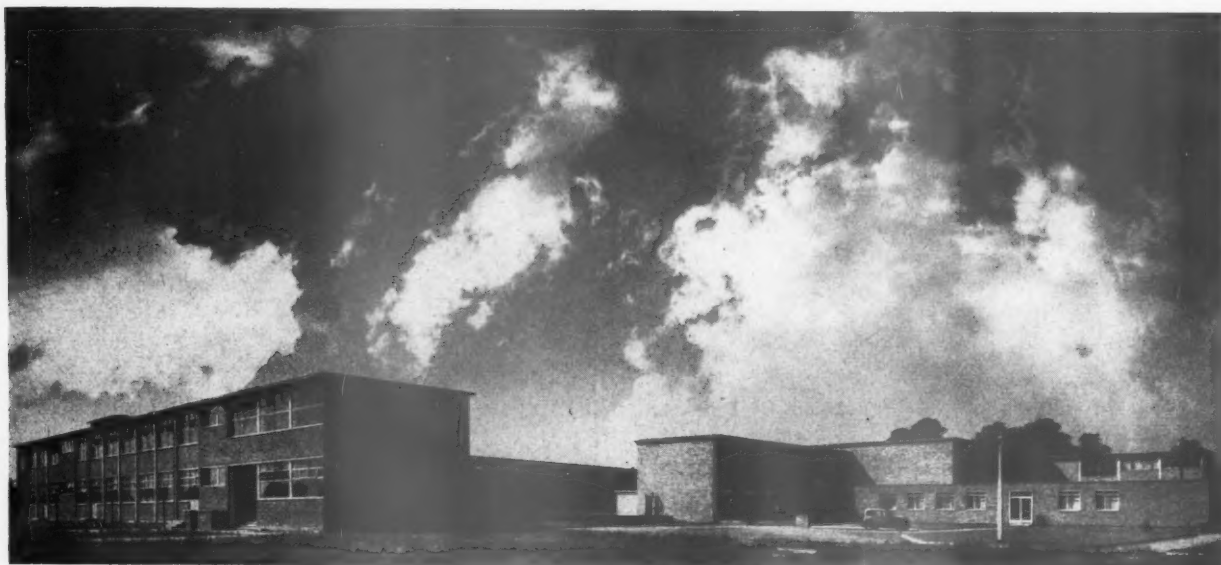
This school was designed in 1949 for the Hertfordshire County Council to accommodate 750 children, the architects being asked to provide rather more science and crafts accommodation than is usual. The site is an open one in a mainly horticultural area but with an industrial centre nearby. The school has been placed on the highest part of the site, with the classrooms facing the playing fields and the dining room overlooking the New River.



Main entrance doors from the hall.

Science and general teaching wings from the east.



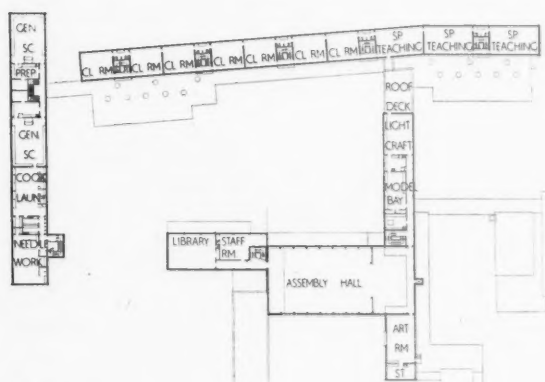


SECONDARY SCHOOL

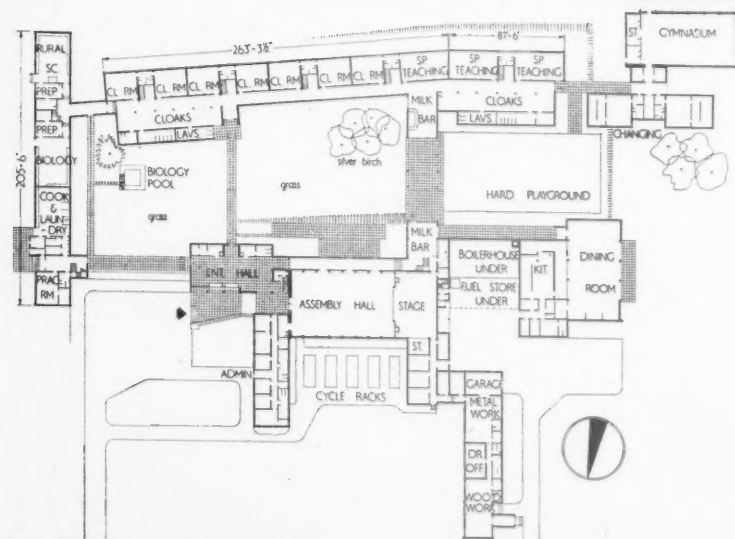
at CHESHUNT, HERTS

designed by NORMAN and DAWBARN

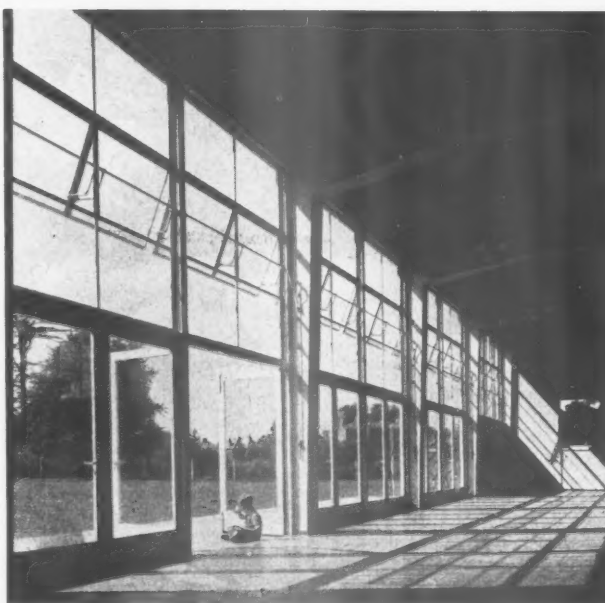
Above, the main approach. From left to right, the science block, entrance hall and single storey administration block. Right, the dining hall.



First floor plan



Ground floor plan [Scale: $\frac{1}{32}'' = 1' 0''$]



PLAN.—This is a development of the pavilion layout. Economies in circulation space have been made by using staircase access only to first floor classrooms and omitting first floor corridors. Cross lighting and ventilation have been provided in all classrooms. The main court, now partly open to the north, was planned to be enclosed by a link between the entrance hall and the science block. This link would have contained common rooms and more generous staff accommodation on the first floor, with open space below; it is hoped that it may be added later.

CONSTRUCTION.—Reinforced concrete frame with in-situ ribbed concrete floors and roofs. External walls of single storey blocks are rendered 9-in. brickwork. Elsewhere cavity walls have been

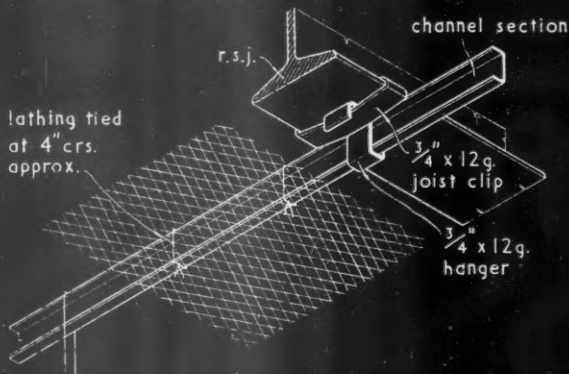
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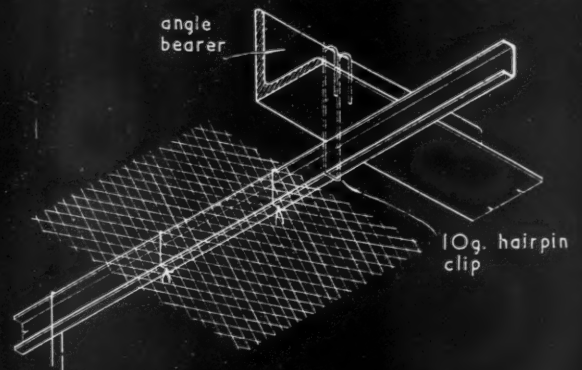
CEILINGS PLASTER

The Architects' Journal Library of Information Sheets 455. Editor: Cotterell Butler, A.R.I.B.A.

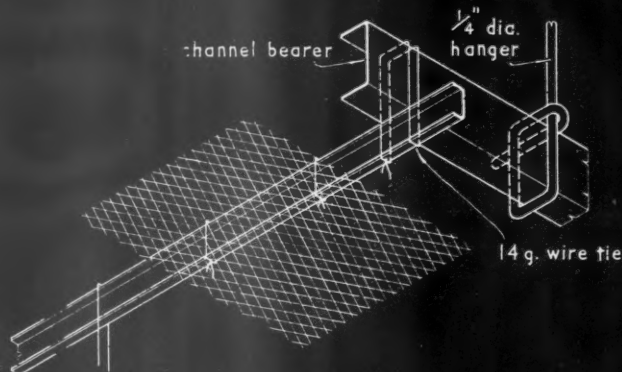
22.F2
22.F2



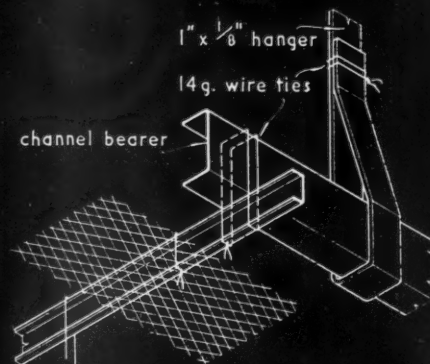
SUSPENDED FROM R.S.J.'S.



SUSPENDED FROM ROOF TRUSSES.

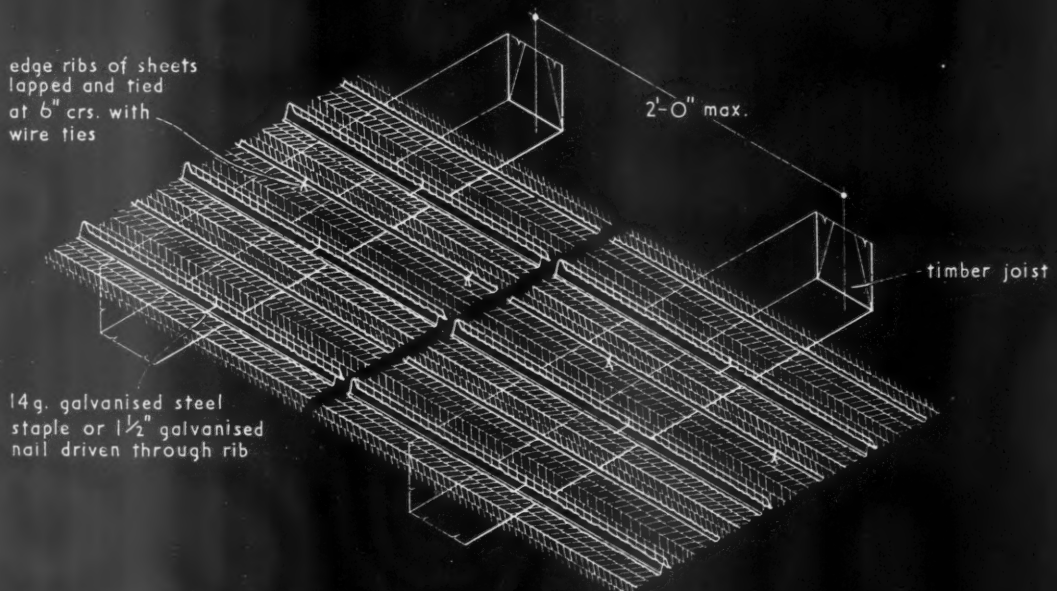


SUSPENDED FROM R.C. OR HOLLOW TILE FLOOR.



SUSPENDED FROM PRECAST BEAM FLOOR.

APPLICATIONS OF 'BB' LATHING.



APPLICATION OF 'EXPAMET RIB-LATH' TO TIMBER JOISTS.

'BB' LATHING AND 'EXPAMET RIB-LATH': SUSPENDED PLASTER CEILINGS.

22.F2 'BB' LATHING AND 'EXPAMET RIB-LATH' USED FOR SUSPENDED PLASTER CEILINGS

This Sheet describes the construction of suspended plaster ceilings using BB Expanded Metal Lathing and Expamet Rib-Lath, and gives the variations in treatment required by the main types of structural support.

General

BB Lathing is a plain expanded steel mesh, whereas in Expamet Rib-Lath the lathing mesh is stiffened integrally by longitudinal steel ribs, $\frac{3}{8}$ in. deep, formed in the same sheet of metal. Expamet Rib-Lath needs less frequent support than BB Lathing and is cheaper to use where there is a plain uninterrupted area of ceiling. However, as it is not so readily cut and bent, the plain lathing may be a better choice where much trimming is necessary and where the ceiling is curved or of an intricate shape.

Sizes and Calculations

Lathing Dimensions: 24-gauge plain BB Lathing is made in two sizes of mesh: $\frac{3}{8}$ in. and $\frac{1}{2}$ in. (measured the shortway of the mesh), and in sheets 9 ft. \times 2 ft.

Expamet Rib-Lath is made with $\frac{3}{8}$ -in. ribs and in sheets 8 ft. and 9 ft. long and 2 ft. 3 in. wide.

Weight: The weight of a completed suspended ceiling in three coats of normal plaster totalling $\frac{3}{4}$ in. thick, is between 8 and 11 lb. per sq. ft.

Design: Supports for the lathing usually consist of a framework of 16-gauge steel channels suspended by means of hangers from the main structure.

The factor which normally determines the design of a ceiling is the spacing of the hangers. A $\frac{1}{2}$ -in. dia. rod or a $\frac{1}{2}$ -in. 12-gauge flat bar is capable of supporting 16 sq. ft. of ceiling, while a 1-in. \times $\frac{1}{2}$ -in. flat bar can support 25 sq. ft. of ceiling. It is most economical to space hangers at equal distances in both directions and in practice the most common spacing is a 4-ft. grid. The sizes of channels required can be selected from the table below.

Trimming: Small openings in ceilings (i.e., under 12 in. diameter) can be effected by merely cutting the lathing to shape, but larger openings may require

extra hangers or trimming channels to give the necessary support.

Fixing

The normal medium for fixing the runners to the bearers is 14-gauge galvanised wire.

BB Lathing is fixed to the runners with 18-gauge wire, and directly to wood with $1\frac{1}{4}$ -in. galvanised slice-cut staples or $1\frac{1}{2}$ -in. galvanised roofing nails, spaced not more than 4 in. apart. The lathing should be lapped 1 in. along the sides, with end laps not less than 1 in. under a runner and not less than 2 in. between runners.

Rib-Lath should be fixed to runners with 16-gauge galvanised wire, and to wood with $1\frac{1}{2}$ -in. galvanised slice-cut staples at every rib, or with $1\frac{1}{2}$ -in. galvanised roofing nails through the rib.

The ribs should nest at adjoining edges of sheets and should be wired together at 6-in. intervals with 18-gauge galvanised wire. At end laps the ribs should lap not less than 2 in. under a runner and not less than 3 in. between runners.

Plastering

Three coats should be applied.

The plasters commonly used for the undercoats are based on cement and lime or gypsum and lime and reference should be made to British Standard Code of Practice C.P.211 (1949) for suitable mixes.

The following is a suitable specification:

First Undercoat: To be one part by weight metal lathing type gypsum plaster gauged with $1\frac{1}{2}$ parts of sand by weight (1 : $\frac{3}{2}$ by volume).

Second Undercoat: To be one part by weight metal lathing type gypsum plaster gauged with two parts sand by weight (1 : 1 by volume).

Finishing Coat: To be three volumes of gypsum finishing plaster, with one volume of lime putty or other approved.

The total thickness of plasterwork from the forward face of the metal lath should be approximately $\frac{3}{4}$ in. Vermiculite, perlite, acoustic plaster spray, lightweight finishes in cement, plaster or asbestos can be applied to expanded metal.

Crs. of Sections	Sizes of section* for given spans						
	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.
1 ft. 2 in. ..	$\frac{3}{8}$ in. dia. rods	$\frac{3}{8}$ in. \times $\frac{3}{8}$ in.	$\frac{3}{8}$ in. \times $\frac{3}{8}$ in.	1 in. \times $\frac{3}{8}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.
1 ft. 6 in. ..	$\frac{3}{8}$ in. \times $\frac{3}{8}$ in.	$\frac{3}{8}$ in. \times $\frac{3}{8}$ in.	1 in. \times $\frac{3}{8}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.	—
2 ft. 0 in. ..	$\frac{3}{8}$ in. \times $\frac{3}{8}$ in.	1 in. \times $\frac{3}{8}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.	—	—
3 ft. 0 in. ..	$\frac{3}{8}$ in. \times $\frac{3}{8}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.	—	—	—
4 ft. 0 in. ..	1 in. \times $\frac{3}{8}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.	—	—	—	—
5 ft. 0 in. ..	1 in. \times $\frac{3}{8}$ in.	$1\frac{1}{2}$ in. \times $\frac{1}{2}$ in.	2 in. \times $\frac{1}{2}$ in.	—	—	—	—

* This is a channel, except where otherwise stated.

Important Note.—The spacing of runners should not exceed 1 ft. 2 in. for BB Lathing, and 2 ft. for Expamet Rib-Lath.

Compiled from information supplied by:

The Expanded Metal Company, Ltd.

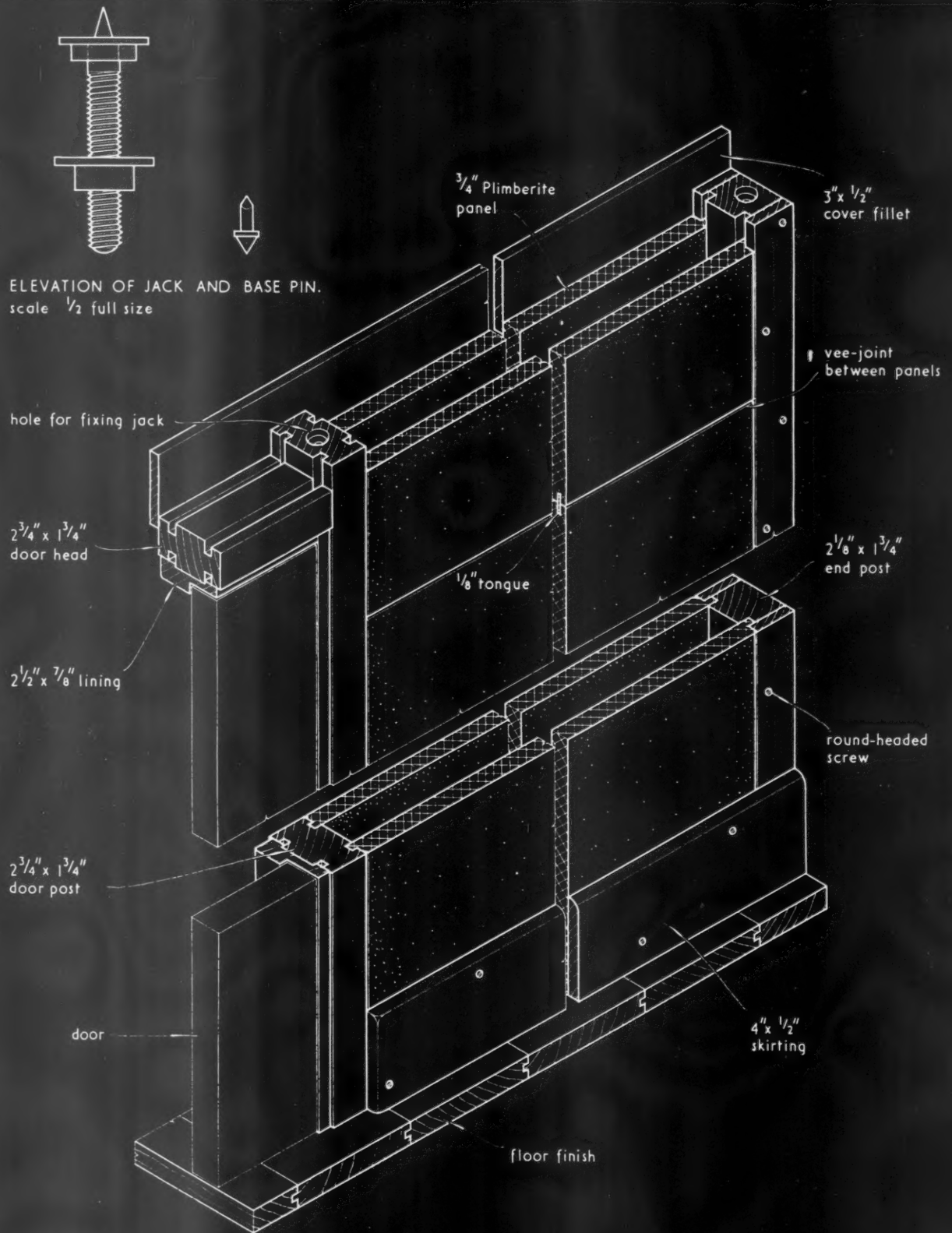
Address: Burwood House, Caxton Street, London, S.W.1.

Telephone: Abbey 3933.

PARTITIONS | BUILDING BOARD

The Architects' Journal Library of Information Sheets 456. Editor: Cotterell Butler, A.R.I.B.A.

21.E2



GENERAL ASSEMBLY OF PARTITION SHOWING DOOR.

21.E2 · PLIMBERITE REBOND · PARTITIONING

This Sheet describes the Plimberite Rebond system of forming partition walls, the form of construction used and the method of assembly.

General

The Plimberite Rebond partition takes its name from the patented Rebond fixing jack which is used to strut the uprights between floor and ceiling. These jacks are supplied by the manufacturer who also supplies the Plimberite wallboard which is the staple material forming the partition. The simple timber frames and linings can be machined by the contractor or obtained from any timber merchant. The chief advantages of the partition are the speed with which it is erected and dismantled and the small interference with existing finishes. Since there is no hammering to be done the work causes the least disturbance to people working in the building. The partitions can be dismantled and re-erected elsewhere without loss of material or damage to the main structure. The panels finish flush with the posts, the edges of each panel being marked by a shallow vee joint.

Sizes

The Plimberite Rebond partition consists of grooved timber uprights made from 3-in. by 2-in. posts between which are fitted two $\frac{3}{4}$ -in. Plimberite boards. These are rebated in the factory and give a flush joint with the posts. For partitions over 10 ft. high the posts should be machined from 4-in. by 2-in. timber. Plimberite boards are manufactured in the standard size of 8 ft. by 4 ft. Smaller size panels can be supplied whenever required. For partitions over 8 ft. high the boards are supplied with a horizontal edge grooved out. When the top panel is fitted in position it is secured to the lower panel by a loose tongue of $\frac{1}{2}$ -in. hardwood, plywood or hardboard. Making allowances for the thickness of the posts and for working tolerances, the dimension between the centre lines of posts is approximately 4 ft. 1 in.

Door and Window Frames

Door and window openings are framed with timber rails which have the same section as the upright posts and are stub-tenoned, the mortice being checked out between and as deep as the grooves. The frames themselves are grooved to fit over the posts and rails and, subject to this, can be varied in section.

Properties

Weight: The partition weighs approximately 6½ lb. per sq. ft.

Sound Insulation: No figures are yet available for the panel as a whole but a single thickness of Plimberite has a sound reduction factor of 26 decibels over the middle range of frequencies.

Thermal Insulation: Plimberite has a thermal conductivity (K) of 0.9.

Fire Resistance: Plimberite wallboard is classified as Flameproof by the London County Council and as Class III for spread of flame.

Method of Fixing

- (1) Snap a chalk line on floor and ceiling which is the centre of the partition to be erected.
 - (2) Check wall for plumb, place standard post against wall with base pin and jack pin to centre lines. Screw up jack after checking for plumb.
 - (3) Push standard panel in both sides.
If total height exceeds 8 ft.:—
slide in loose horizontal tongue and slide in top panel.
 - (4) Stand up next standard post, enter in tongues of panels, push in tight and screw up jack. Carry on with subsequent standard panels and posts.
 - (5) Erect last post and slide in end panels. If necessary pack post off wall in two or three places.
 - (6) Tighten up all screw jacks. (Caution: do not over-tighten to such an extent that the posts are strained.)
 - (7) Fix capping, skirting and cover fillets.
- It will be noted that the end posts are constructed in three parts so that the final panels can be inserted without difficulty and the cover strips screwed over them. The skirting and cover fillet should be screwed to the Plimberite panels and not to the timber posts. Raised head screws are recommended as they will remain visible after decoration and are easily removed when required. If any shrinkage should occur in a timber post the cover fillet is removed and the screw jack tightened.

The partition can then be decorated to individual requirements.

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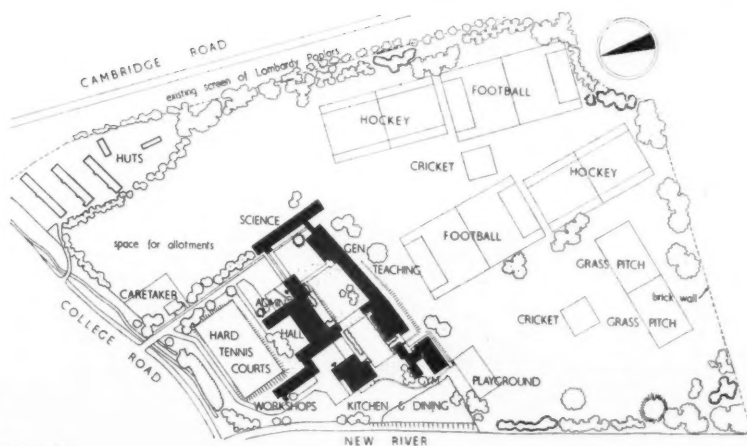
British Plimber Limited.

Address: 19 Albert Embankment, London, S.E.11.
Telephone: RELiance 4242-3.

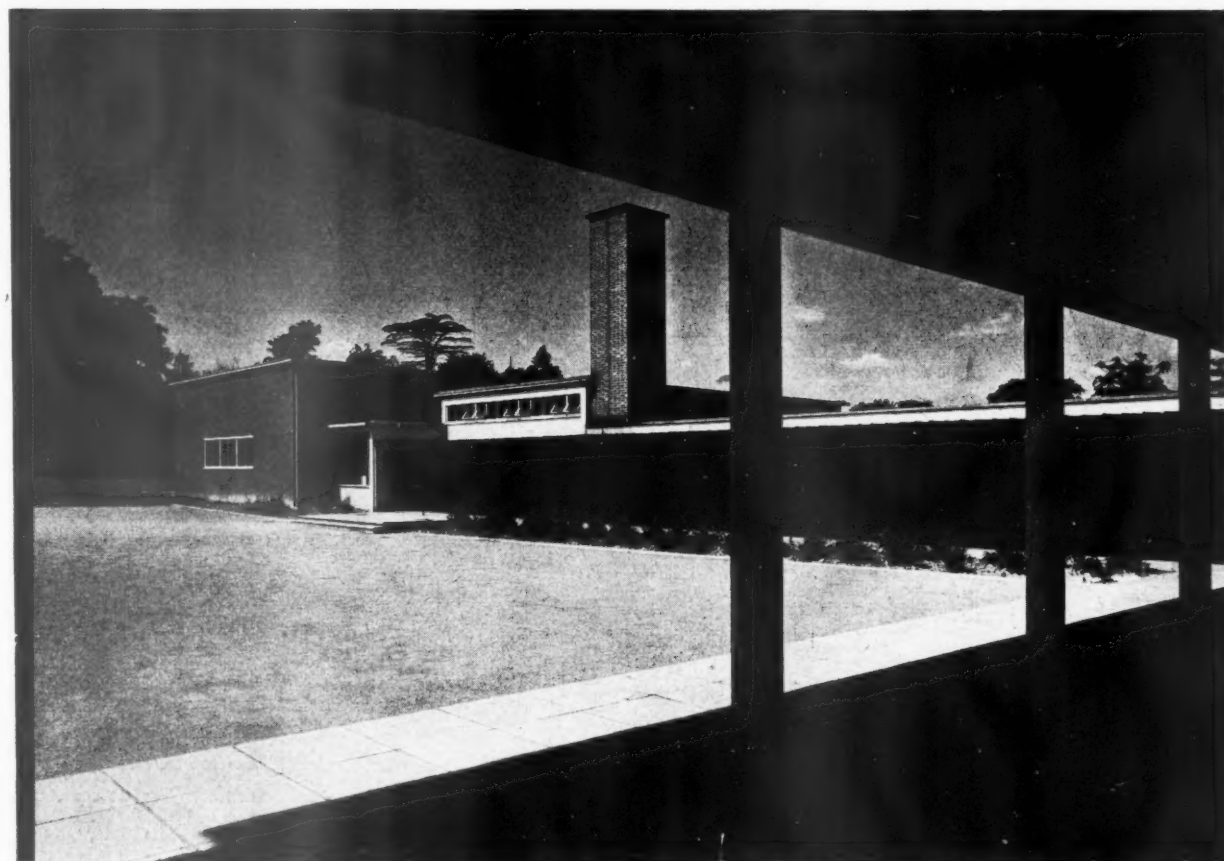
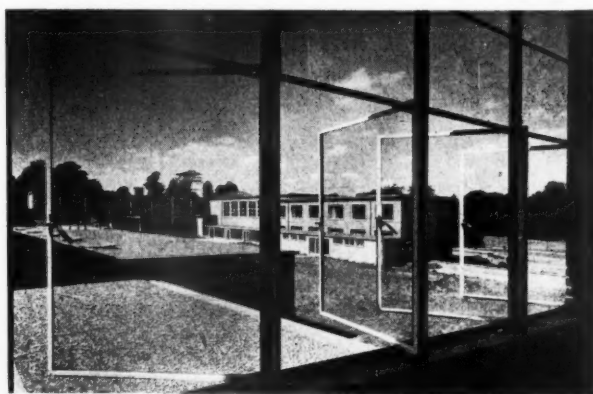
used, consisting of precast concrete slabbing units externally and a brick on edge skin inside, or bricks laid as tiles with straight vertical joints externally and breeze blocks inside. Roofs are covered with built-up felt roofing finished with granite chippings.

INTERNAL FINISHES.—Floors—classrooms, thermoplastic tiles; corridors, wood composition block; assembly hall and gymnasium, hardwood strip; entrance hall, Horton stone. Walls, plastered in classrooms, fair faced sand lime bricks in corridors. Ceilings, woodwool or fibreboard.

Below, assembly hall. The suspended ceiling was illustrated as a Working Detail in the JOURNAL for November 5, 1953. Right, view west from science block. Bottom, hard playground.



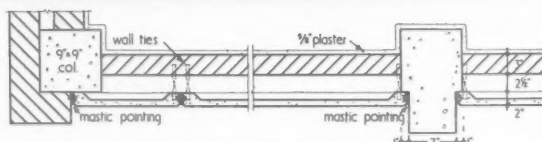
Site plan



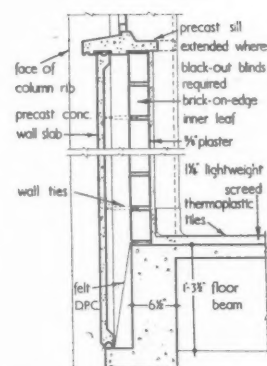


SECONDARY SCHOOL

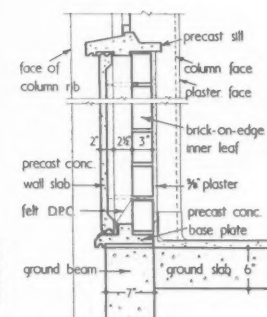
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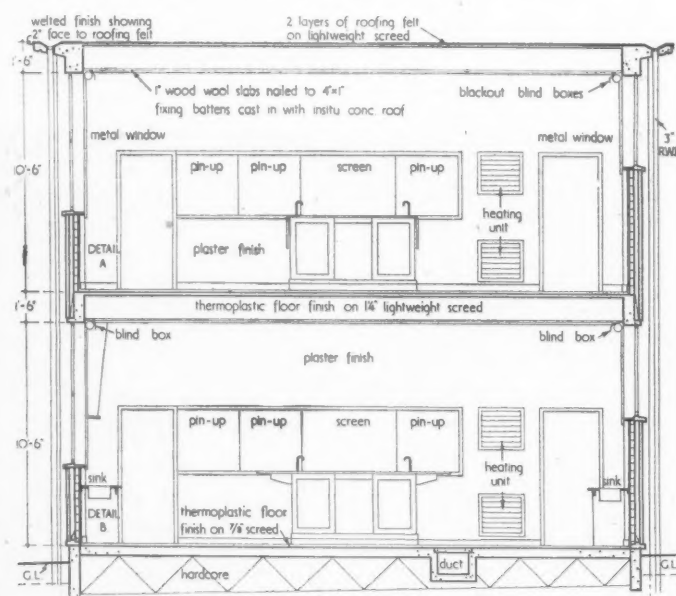
Plan through wall of science block [Scale: $\frac{1}{4}'' = 1' 0''$]



Section, first floor



Section, ground floor



Cross section through science block [Scale: $\frac{1}{2}'' = 1' 0''$]

HEATING.—By circulated warm air. Solid fuel boilers have automatic stokers.

The general contractors were Messrs. Y. J. Lovell and Son, Ltd., Gerrards Cross. For sub-contractors see page 234.

Top, science block.
Above left, a laboratory
from the south-east.
Left, corridor at the
side of assembly hall.

HOUSES

at PINE SPRINGS, WASHINGTON DC, USA

designed by KEYES, SMITH and SATTERLEE

associate architect, F. D. LETHBRIDGE

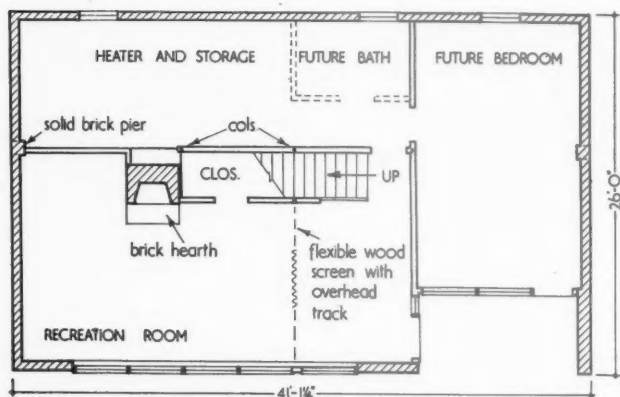
These timber houses are built on two sites, Pine Spring and Holmes Run Acres, some three miles apart and about 14 miles from the centre of Washington. The sites are approached by any of four main arterial roads leading out of the city into Virginia. The nearest shopping centre is two miles away and a school has recently been built as part of the Holmes Run development. The cost of the houses starts at 14,250 dollars for a one-level house, of which approximately 2,000 dollars represents the estimated value of the land subsequent to the improvements.

Three-bedroom house with car port. Types A and B.



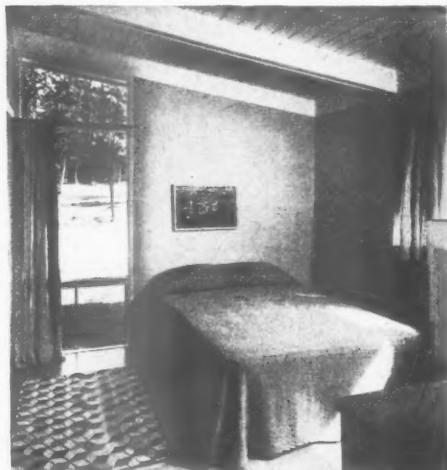


First floor plan, house types E and F

Ground floor plan [Scale: $\frac{1}{8}'' = 1' 0''$]

Below, typical house type E and F on the right.

SITE.—The sites are well wooded and every effort was made to leave as many trees, which are mainly pine, oak or dogwood, as possible. Also there has been planting of the specified number of trees and bushes required by the Federal Housing Authority as one of the conditions on which a project is financed. Houses are orientated as far as possible to take advantage of sun and view and follow the natural contours. In order to preserve the open quality of the development, owners are particularly requested not to fence their boundaries, but to limit their fencing to provide extra privacy round terraces, etc.



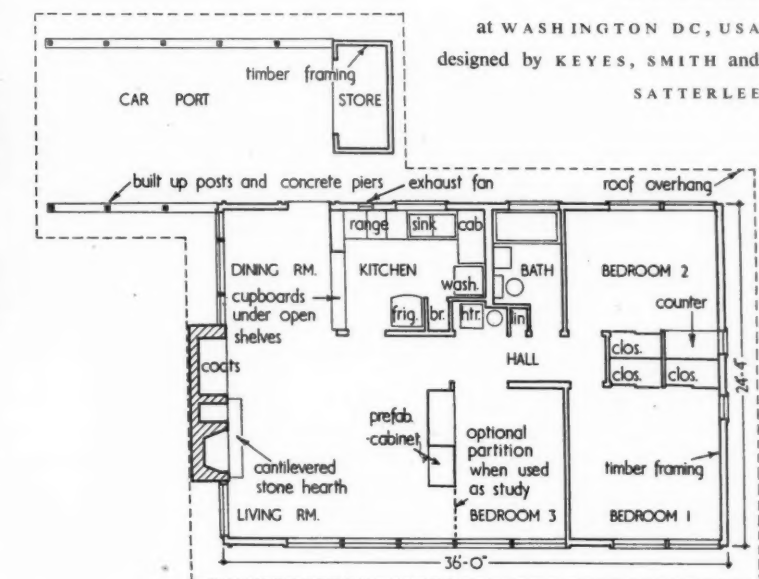
Above, typical bedroom in house types E and F.





PLAN.—Using the same method of construction and a 4-ft. grid, there are two basic plans, both of which are used either as one- or two-level houses, with the addition of a basement on steeply sloping sites.

CONSTRUCTION.—Footings and foundation walls (required by local building code) are concrete, concrete block and brick. Floors are concrete slab in one-level houses and 2-in. by 10-in. joists at 16-in. centres for upper floors of two-storey houses. Exterior walls are of 3-in. by 6-in. posts generally at 4-ft. centres with panel fillings of fixed glass, horizontal sliding aluminium casements and solid panels of tempered hard board externally, 3½-in. insulation and sheeting internally. Solid exterior walls, with small windows, are of vertical



Ground floor plan, type G (one-level) house (Scale: 1/8" = 1' 0")

tongued and grooved boarding externally and the same insulation and internal finish. Internal partitions are of normal stud construction. Roof beams are each of two 2-in. by 8-in. members centred over the posts at 4 ft. spacing, bolted to 2-in. by 8-in. by 8-ft. collar at the centre to form a rigid connection and supported near the centre by a longitudinal beam 4 in. by 8 in. Chimneys are of brick, with terracotta flue linings.

Top, typical type G house living room, looking towards fireplace and coat cupboard. Above left, type G house showing living room windows and terrace on the right and car port, extreme left. Roofs are finished with 2-in. by 6-in. tongued and grooved planking, covered with felt, 2-in. insulation and built-up 3-ply felt.



Left, typical house types A and B. On the right are the living room windows. Exterior walls are caulked round the edges and painted externally. These are the two opposite facades to those seen in the photograph on page 223. Below left, view from the dining room, looking towards the car port. Bottom, typical kitchen with the overhang of the car port on the left and high level glazing on the right.



Ground floor plan, types A and B (one-level) house. The car port is not shown [Scale: $\frac{1}{4}$ " = 1' 0"]

garbage disposal units, gas cookers, electric refrigerators and electric extract fans over the cookers. To purchase the houses a payment of one third of the purchase price required and loans at 4½ per cent. per annum are for a period of 25 years. This means that the houses are within the means of people with incomes the equivalent of £750 to £1,000 in England, although comparisons are difficult.

General contractors (and promoters), Luria Bros.

HOUSES

at WASHINGTON DC, USA
designed by KEYES, SMITH and SATTERLEE

SERVICES.—Heating is by hot-air forced circulation with ducts running in the floor slabs of the single-storey houses and under the first floor of two-level houses. Furnaces and water heaters use natural gas from the city supply and the system is thermostatically controlled. There are also open fires. Kitchens are equipped with double sinks, electric



TECHNICAL SECTION

One of the difficulties of day-to-day work in an architect's office is the need to refer to sources of information on a wide variety of technical matters. Gone are the comfortable days when any reasonably efficient architect could know nearly everything. There is now a constant stream of information from many sources, official and otherwise. Not least important are the many trade catalogues without which office work would be severely handicapped. The filing of catalogues is apt to be considered a non-productive piece of office work and as such may be done in a somewhat haphazard fashion. The chief difficulty has been the impossibility of finding any satisfactory system for accommodating the impossible range of size and shape in which catalogues appear. Some years ago the RIBA was jointly responsible for sponsoring a British Standard for catalogue sizes. It is gratifying to learn that the RIBA Council has now noted that insufficient attention has been taken of this BS and consequently has advised its members to use all means possible to stress to the trade the need to conform to the BS. Resolute action by a moderate proportion of the profession could very quickly lead firms to realize the importance of conforming to the standard sizes. In this connection we must draw attention to the JOURNAL's Information Sheets, which we believe to be the long-term answer to this problem. For though these Sheets cannot wholly supersede trade catalogues they alone can hope to secure a standard presentation of manufactured products, which is what the architect chiefly wants.

8 ESTIMATING materials' prices

This week's
special feature

Current prices for
measured work
will appear on March 4.
Prices of materials
and measured work
last appeared in
the JOURNAL on
Oct. 29 and Nov. 12,
1953, respectively

Current rates of wages and market prices of materials prepared by Davis, Belfield and Everest, Chartered Quantity Surveyors. Rates for measured work will be published in the JOURNAL for March 4.

Rates of Wages last rose on February 1, 1954 and are now as follows:—

LONDON DISTRICT

				Craftsmen	Labourers.
Within 12 miles radius	..	..	..	3s. 9d.	3s. 3½d.
From 12-15 „	„	„	..	3s. 8½d.	3s. 3d.

LIVERPOOL and DISTRICT

				A ¹	A ²	A ³
Craftsmen	..	3s. 7½d.	3s. 7d.	3s. 6½d.	3s. 6d.	
Labourers	..	3s. 2d.	3s. 1½d.	3s. 1d.	3s. 0½d.	

Prices vary according to quality and the quantity ordered.

Those given below are average market prices and include delivery in the London area, except where otherwise stated, but do not include overhead charges and profit for the General Contractor.

CONCRETOR

Cements

Portland to B.S. 12, 6 tons and over	per ton	95/-
Rapid hardening to B.S. 12, 6 tons and over	"	103/-
Aquacrete water repellent, 6 tons and over	"	127/6
Aluminous to B.S. 915, 1 ton lots	"	299/6
Snowcrete, 1 ton lots	"	255/6

Above prices include for delivery to Charing Cross in non-returnable paper bags or cotton sacks.

Aggregate and Sands, etc. (Full Loads)

3" (Down) Washed, crushed and graded shingle to B.S. 882, Table 2	per yard cube	18/3
1 1/2" Ditto	"	17/3
1 1/4" Sharp washed sand to B.S. 882, Table 3	"	20/10
Brick hardcore	"	9/6

(For Sands for Bricklaying and Plastering, see respective trades)

Floor Blocks

		4"	6"	7"
Floor blocks, 12" x 12"	per 1,000	693/-	936/-	1,081/-

Reinforcement

Home trade maximum basis price for mild steel rods to B.S. 785, 1/2" diameter and upwards, ex mills delivered to station or siding	per ton	£32 18 0
--	---------	----------

Extras for:—

Under 1/2" to 1/4" diameter	£1 7 0
Ditto 1/4" and over 1/2" diameter	£1 14 6
1/2" and over 1/2" diameter	£2 2 0
1/2" and over 1/2" diameter	£2 9 6
1/2" and over 1/2" diameter	£2 17 0
1/2" and over 1/2" diameter	£3 4 6
1/2" diameter	£3 12 0
Under 1/2" to 1/4" diameter	£5 2 0

Fabric Reinforcement

	16.35 lb.	9.32 lb.	4.71 lb.	1.83 lb.
Steel wire mesh fabric to B.S. 1221, Part A, per yd. super	8/1 1/2	4/9	2/4 1/2	1/4 1/2

BRICKLAYER

Common Bricks

Third stocks	per 1,000	127/4
Rough stocks	"	163/4
Mild stocks	"	207/10
Sand limes	"	110/6
Phorpres pressed Flettons	"	110/-
Belgian	"	216/-

Facing Bricks

Hand-selected sand limes	per 1,000	145/9
Phorpres rustic Flettons	"	135/-
Stocks, first hard	"	254/10
Stocks, second hard	"	238/10
Southwater pressed sandfaced reds	"	285/-
Dorking pressed sandfaced multicoloured facings	"	239/6

Engineering Bricks

Lingfield engineering wirecuts. Grade 'B'	per 1,000	218/6
Southwater engineering No. 2 (second quality red pressed)	"	282/6
Blue pressed bricks to B.S. 1301	"	501/-

Glazed Bricks

White, Ivory or Brown, 9" x 2 1/2" x 4 1/2" delivered London stations.	£ s. d.	
Headers	per 1,000	63 0 0
Stretchers	"	64 0 0
Seconds quality above prices less 10%.		

BRICKLAYER (continued)

Limes and Sands

† Lime, greystone, to B.S. 890	per ton	110/6
† Lime, chalk, ditto	"	110/6
* Lime, hydrated, ditto	"	123/-
Washed pit sand to B.S. 1200	per yard cube	20/10

* Including paper bags.

† Hire of jute sacks charged at 1/6 and credited at 1/6. If left, charged at 1/9.

Sundries

10 s.w. gauge galvanized butterfly type wall ties to B.S. 1243	per 1,000	82/9
Wall ties, galvanized, 8" x 3/4" x 1/2", to B.S. 1243	per cwt.	85/-
Damp proof course slates:		
Size 14" x 9"	per 100	43/-
" 14" x 4 1/2"	"	21/-
Hessian base bitumen damp course to B.S. 743	per yard super	5/1
Terra-cotta airbricks	each	1/3
Galvanized cast-iron airbricks	"	3/2
Galvanized cast-iron hit-and-miss ventilators	"	3/1
Wall reinforcement supplied in standard rolls containing 25 yards lineal		
† 2" wide black japanned	per roll	3/4
† 2 1/4" wide black japanned	"	4/2
† Greater widths pro rata 2 1/4" price, carriage paid on orders of £7.		
Discount for quantities.		

Partitions, etc.

Clinker concrete, solid to B.S. 492	2"	2 1/2"	3"	4"
Hollow clay to B.S. 1190 (keyed)	per yard super	3/6	4/1	4/10
Moler (keyed)	"	4/3	4/6	5/-
Building blocks (keyed):—				
6 cavity	per yard super	6/7		
Normal quality woodwool slabs	1"	1 1/2"	2"	2 1/4"
Minimum delivery, square yards,	500	400	325	275
per yd. super	5/-	6/6	8/-	9/2

PAVIOR

2" coarse gravel for paths	per yard cube	22/3
1/2" fine ditto	"	23/9
Clean granite chippings to B.S. 1201, Table 4 (in 5-ton loads)	per ton	44/9
Red quarry tiles 6" x 6" x 3/4", to B.S. 1286	per yard super	13/3
Ditto 6" x 6" x 1/2", to B.S. 1286	"	11/-
Buff quarry tiles, 6" x 6" x 3/4", to B.S. 1286	"	16/6
Ditto 6" x 6" x 1/2", to B.S. 1286	"	14/-
Hard red paving bricks, 2"	per 1,000	452/6
Ditto 1 1/2"	"	427/6

DRAINLAYER

Clay Land Drain Pipes to B.S. 1196

Pipes in 12" lengths	per 1,000	202/-
		266/-

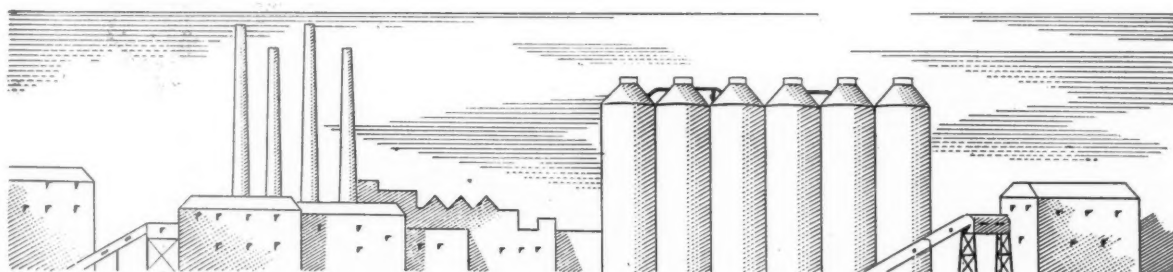
Salt Glazed Stoneware Pipes and Fittings

The following percentages to be added to the Standard List prices.

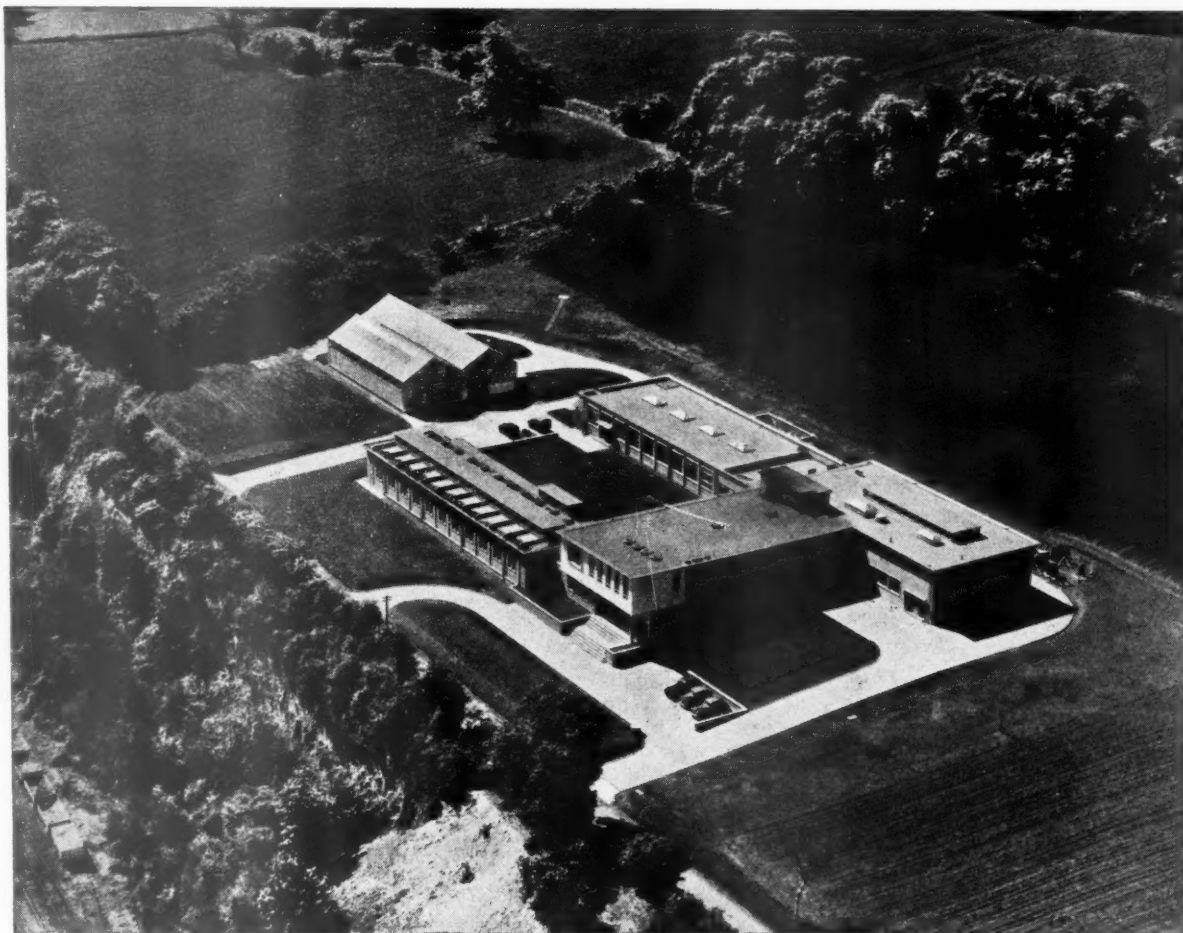
	Orders for 2 tons and over	Orders under 2 tons 100 pieces upwards	Orders under 2 tons less than 100 pieces
Seconds Quality	67 1/2% less 15%	97 1/2% less 15%	107 1/2% less 15%
Best Quality	67 1/2%	97 1/2%	107 1/2%
British Standard Quality	67 1/2% + 10%	97 1/2% + 10%	107 1/2% + 10%
Tested Quality	67 1/2% + 37 1/2%	97 1/2% + 37 1/2%	107 1/2% + 37 1/2%
British Standard Tested	67 1/2% + 47 1/2%	97 1/2% + 47 1/2%	107 1/2% + 47 1/2%

Cast Iron Drain Pipes and Fittings

Socket and spigot pipes to B.S. 437:—						
Weight per 9 ft.	Size	9 ft.	6 ft.	4 ft.	3 ft.	2 ft.
		each	each	each	each	each
1	1 1/2"	60/3	43/10	34/5	26/4	21/1
2	2"	89/6	69/-	54/4	43/4	32/6
3	3"	164/-	137/6	115/9	88/10	



Building for the Industries of the World



CEMENT

The new Research Laboratories of the Associated Portland Cement Manufacturers Ltd., recently constructed by Richard Costain Ltd. to the design of the Architects, Westwood, Sons & Harrison, F.R.I.B.A.

RICHARD

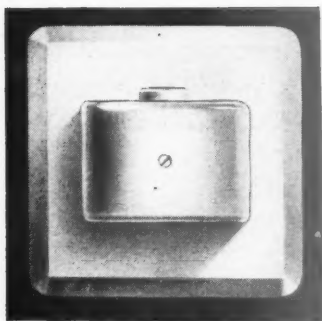
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Ton

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*Single
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*Gullies
*Extra
*Grease
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SLA

16" x
20" x

DRAINLAYER (continued)**Tonnage Allowances:—**

Orders up to 2 tons nett.

	4"	6"	9"
*Bends (short radius) as Fig. No. 4 each	6/3	13/-	40/-
*Single junctions as Fig. No. 18	11/-	22/6	69/-
*Intercepting traps as Fig. No. 33	30/-	50/-	123/-
*Gullies ordinary trapped "P"	14/6		
*Extra for 4" vertical back inlet	4/3		
*Grease gully trap	121/-		

* These prices are subject to 12½% plusage.

Channels in Brown Glazed Ware.

Standard list + same discounts as "Best" quality salt-glazed Stone-ware pipes.

White Glazed Channels

Orders under £30, makers list value. Standard list + 10%.

Manhole covers and frames

		Size of load	Unit price	
C.I. coated double triangular manhole cover and frame, 22" dia. clear opening to B.S. 497, Grade A .....	..... each	35 tons	175/5
C.I. coated circular manhole cover and frame, 22" dia. clear opening to B.S. 497, Grade B. ....	..... each	5 tons	93/5
		Size of load	Single seal Flat type	Double seal Flat type
Coated manhole cover and frame to B.S. 497, Grade C, 24" × 18" each	1 ton	32/-	45/8	
Galvanised ditto, 24" × 18" each	1 ton	57/6	80/9	
Coated manhole cover and frame, to B.S. 497, Grade C, 24" × 24" each	1 ton	48/11	73/-	
Galvanised ditto, 24" × 24" each	1 ton	89/2	126/6	

MASON**Yorkstone**

Building quality Robin Hood and Woodkirk Blue Stone.

Blocks scrapped, random sizes	per foot cube	11/4
Add for blocks to dimension sizes	"	1/4 (each dimension)
Templates with sawn beds, edges rough (up to 4 ft. super and not over 2' 6" long)	"	12/8
Templates with sawn beds, sawn one edge,	"	14/8
Price f.o.r. Yorkshire, railway rate to London Station per ton. (Minimum 4-ton loads)		57/2

Bath stone in random blocks

Monk's Park	per foot cube	6/8
St. Aldhelm Box Ground	"	7/8
Delivered on rail at South Lambeth station.		

Portland stone in random blocks, average 20 feet cube

Whitbed	per foot cube	7/5
Delivered on rail at Nine Elms Station.		

Artificial Stone to B.S. 1217

4½" × 4" Sill, sunk, weathered, throated and grooved	per foot run	3/-
9" × 3" Ditto	"	4/6
2" × 12" Coping, weathered and twice throated	"	4/-
3" × 12" Ditto	"	6/-
5" × 12" Saddleback coping, twice throated	"	9/-
6" × 12" Ditto	"	10/-

SLATER, TILER AND ROOFER**Slates**

£ s. d.

16" × 10" Best Bangor Slates to B.S. 680	per 1,000 actual	50 9 3
20" × 10" Ditto	"	78 19 9

SLATER, TILER AND ROOFER (continued)**Tiles**

Hand-made sandfaced 10½" × 6½" red roofing tiles	per 1,000	322/-
Machine-made sandfaced best red tiles with continuous ribs, 10½" × 6½"	"	289/-
Bridgwater hand made red sandfaced pantiles, in 6 ton loads	"	818/-
Bridgwater hand made red sandfaced Double Roman tiles, in 6 ton loads	"	1,126/6
Concrete plain tiles, 10½" × 6½"	"	159/-
Ditto interlocking tiles, 15" × 9"	"	457/-
Ditto Double Roman Tiles	"	800/-

Asbestos-cement

*6" corrugated sheets, grey per yard super 5/6

*Prices are for minimum two-ton loads, and are subject to 2½% discount.

Felt

Reinforced roofing felt to B.S. 747	per yard sup.	1/7
Roofing felt (1-ply bitumen) to B.S. 747, Part I	"	1/6
Bituminous hair felt to B.S. 747, Part II	"	2/9

CARPENTER AND JOINER**Wall boards**

½" Imported Fibre board	5,000 to 15,000 sq. ft.	
(per 100 sq. ft.)		41/6
½" Imported Hardboard (per 100 sq. ft.)		45/-
¾" Imported Hardboard (per 100 sq. ft.)		68/-
* ¾" Semi compressed asbestos cement flat building sheets, grey, size 8' × 4'	per yard super	2/11
* ½" Ditto	"	3/11

*Prices are for orders of 2 tons and over. Subject to 5% trade discount.

Sundries

"Sisalkraft" standard grade	per yard sup.	-/10½
"Sisalkraft" subsoil grade	"	-/6½
"Sisalation" single sided	"	1/10½
"Sisalation" double sided	"	2/10
* Fibre glass Bitumen-bonded	"	1/11½

* Price is for orders value £5 and over.

Timber

Softwood for Carpentry (average price)	per std.	£90
Softwood for Joinery (ditto)	"	£100
Tongued and Grooved Softwood Flooring (ditto)	"	£100
*First Quality European Oak	per ft. cube	25/- to 40/-
*Teak	"	40/- to 80/-

* Prices vary considerably depending on specification.

Standard Panelled and Glazed Wood Doors to B.S. 459, Pt. I

Type 4	size 2' 6" × 6' 6" × 1½"	each	34/3
Type 2 × G	size 2' 6" × 6' 6" × 2"	"	41/6
Type 4 × G	size 2' 6" × 6' 6" × 2"	"	47/6

In lots of from 1 to 11 inclusive.

Wood Windows

N 26 V	size 1' 5¼" × 2' 6¼"	each	23/2
2 26 V	size 4' 0¼" × 2' 6¼"	"	46/4
N 40 V	size 1' 5¼" × 4' 0¼"	"	26/4
3 40 V	size 5' 11¼" × 4' 0¼"	"	81/11
4 40 V	size 7' 10¼" × 4' 0¼"	"	103/-

In lots of from 1 to 20 inclusive

Kitchen Units

No. 1	size 3' 6" × 2' 8" × 1' 7"	each	178/-
No. 2	size 3' 6" × 2' 8" × 1' 7"	"	123/5
No. 4	size 2' 8" × 1' 9" × 1' 7"	"	109/2
No. 5	size 3' 10" × 1' 9" × 1' 7"	"	94/10
No. 7	size 6' 6" × 1' 9" × 1' 7"	"	142/10

Prices include for tops and plinths.

In lots of from 1 to 15 inclusive.

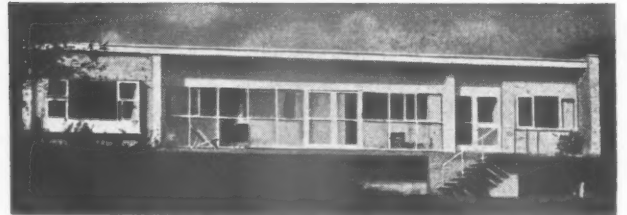
ZINC



TERRACE HOUSES AT COWLEY PEACHEY. Architects—F. R. S. Yorke, F.R.I.B.A.; E. Rosenberg, F.R.I.B.A.; C. S. Mardall, A.R.I.B.A.

Flashings and hoods, rainwater goods and weatherings — from roof to foundations zinc plays an important part in building. Our illustrations show contemporary houses roofed with zinc laid on the standing seam system. The roofing of the Cowley Peachey houses has an added interest because it has been laid on insulation boarding to combine good insulation with lasting protection.

in **Zn**



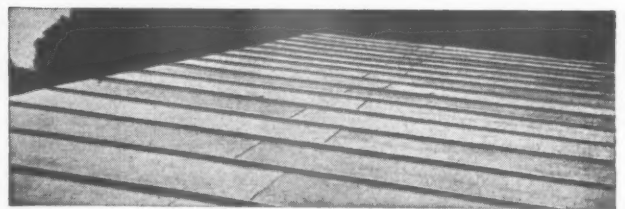
HOUSE AT LUCCOMBE, I.O.W. View from South-west. Architect and owner—F. R. S. Yorke, F.R.I.B.A.

There are now no restrictions on the use of zinc. Supplies are plentiful and are likely to remain so for many years to come.

The price of zinc has dropped considerably and it is again one of the most economical roofing materials.

The Zinc Development Association will be pleased to send to potential users lists of stockists of all zinc building materials and of firms specialising in zinc work.

plenty



View of standing seam zinc roofing.

ZINC DEVELOPMENT ASSOCIATION • LINCOLN HOUSE • TURL STREET • OXFORD • Tel. 47988

STEEL

Basis pri

Extra fo

9" x 7

3 1/2" x 8

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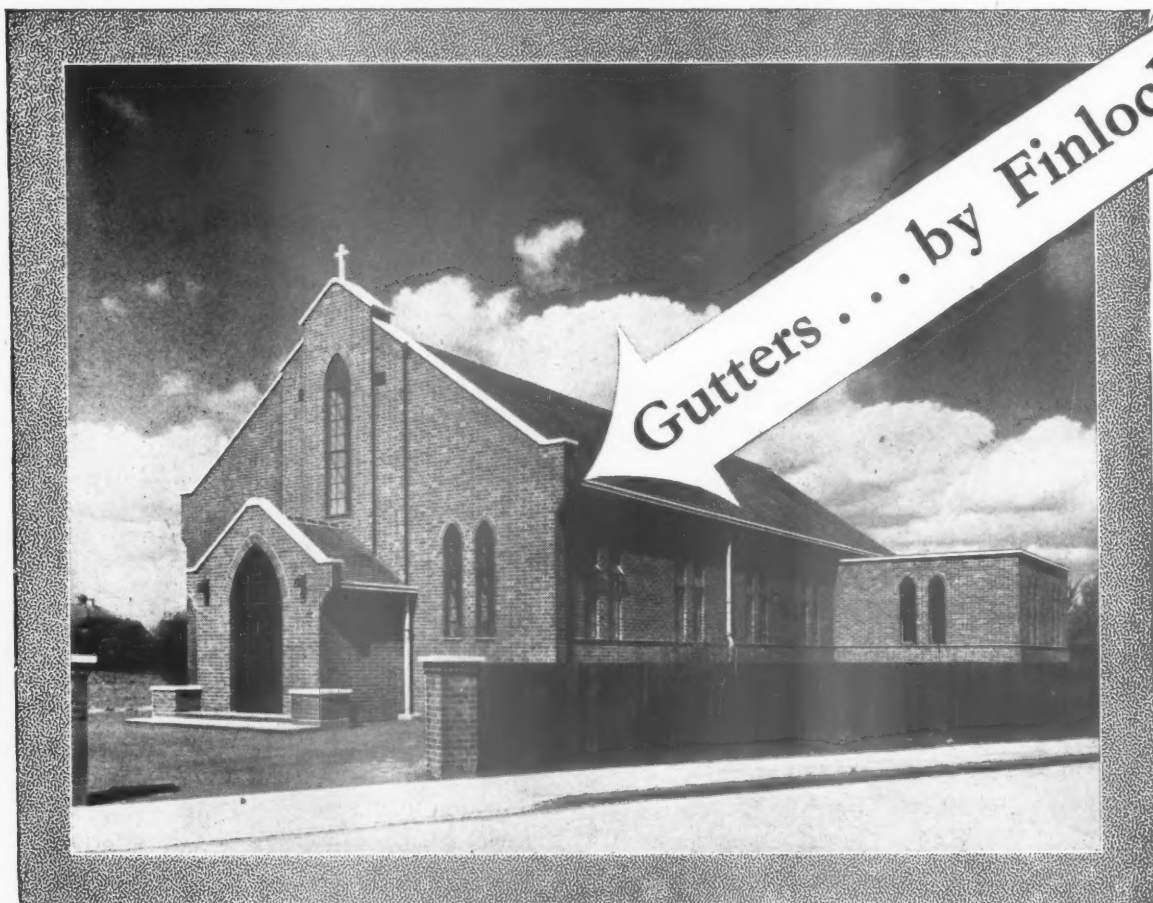
4'

6'

8'

10'

* You'll see them on all the best modern buildings . . .



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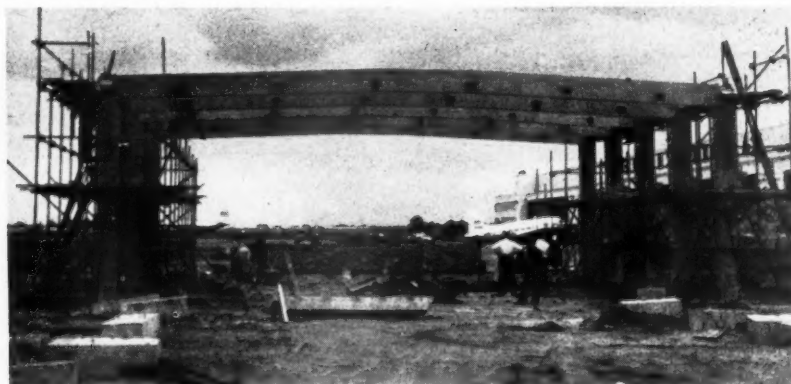
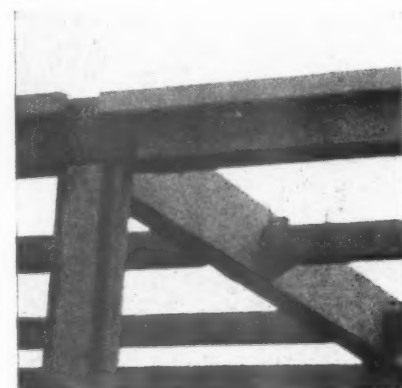
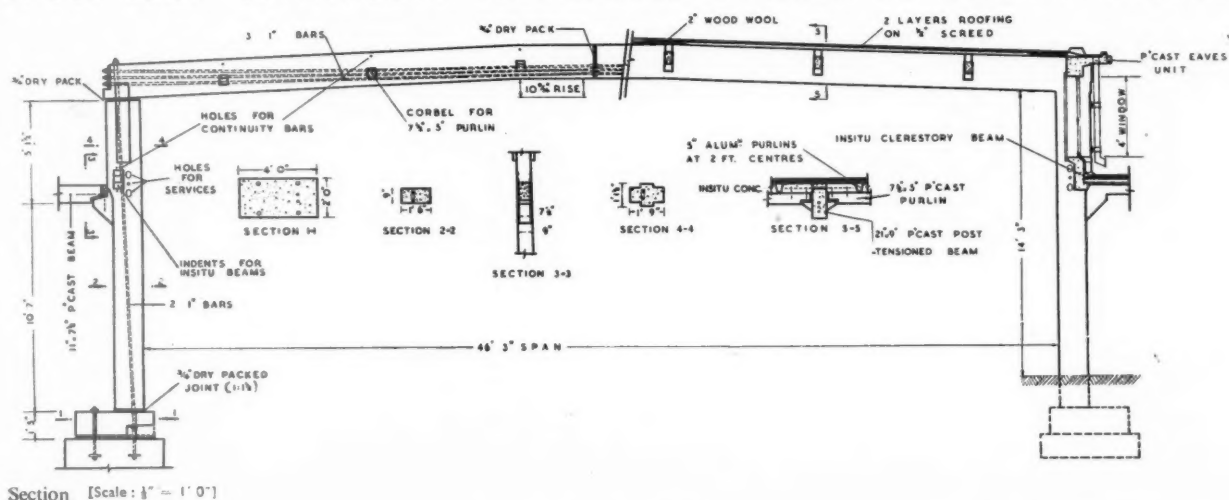
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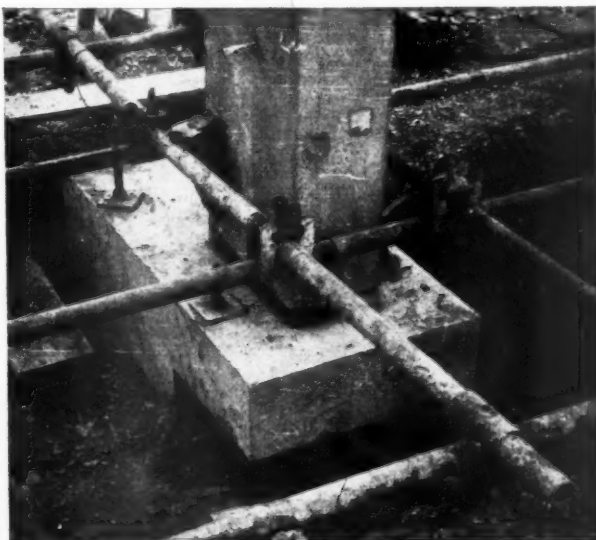
DHB/4

46-FT. SPAN CONTINUOUS PRESTRESSED PORTALS AT LONDON AIRPORT



British European Airways has continued its pioneer approach to building in prestressed concrete by adopting precast pre-tensioned and post-tensioned construction for its staff catering block at London Airport. BEA demanded rapid construction at a time when the supply of steel was at its worst and this was achieved by the use of precast columns of reinforced concrete, and precast "Hoyer"-type main beams and purlins supporting a roof of inverted U-section aluminium purlins, supporting wood wool slabs covered with built-up roofing. An interesting feature of the construction is the use of 46-ft. span, fixed-base portals for the cafeteria, which is 160 ft. by 50 ft. These portals, which are at 12-ft. centres, are composed of units cast on the site and assembled by means of Lee-McCall type post-tensioning. The main beams, of 21 in. by 9 in. section, were cast in two halves, joined together and then post-tensioned. Precast bases were bolted into position, as indicated in the photo on the right, and the 18-in. by 9-in. columns with the high-tensile bars were lifted into place, the bars being threaded through holes in the base so that the lower anchor plate could be assembled. The stressed beam was then lowered on to the column heads, the top ends of the bars being allowed to pass through

holes in the beam, so that the anchor plates could be assembled and the post-tensioning of the columns carried out. Precast eaves, beams and purlins were added, the method of connection being shown in the illustration above left. (Architect, C. S. White, of Ramsey Murray & White; consulting engineers, Scott & Wilson; Contractors, Holland & Hannen and Cubitts Ltd.)



A large, 63-year-old house was fitted, four years ago, with a modern oil furnace, thermostatically controlled. When oil rose in price a four-inch layer of Fibreglass was laid on the attic floor. *No other insulation was installed, or alterations made to the house or thermostat settings.* Yet, in one year the oil consumption was reduced by 44%—a clear saving of 910 gallons, which would have cost £54—more than double the cost of the Fibreglass. And you can insulate a 3-bedroomed house, with Fibreglass, just as effectively for £7.

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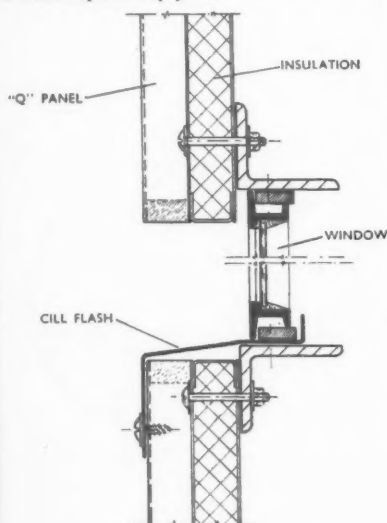
"Q"

THE INDUSTRY

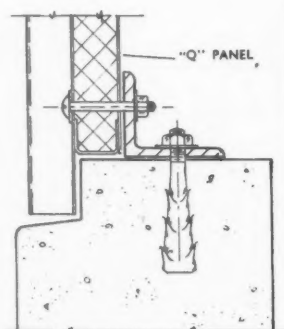
From the Industry this week Brian Grant reports on a new type of wall cladding material, screeding on old floors, water stops for expansion joints, building insulation and new fireplace designs.

WALL CLADDING SYSTEMS

The drawing below shows the method of fixing Robertson Q panels—a new type of wall cladding material introduced not long ago by Messrs. Robertson Thain Ltd. The panels are in units 2 ft. wide, and up to 12 ft. long, and are made up with a layer of glass fibre insulation sandwiched between a flat inner and a fluted metal outer section. The distance between the two sections is maintained by internal spacer bars. The panels are fabricated to fit the structural framework, all units being made to suit the spacing of the supports; where the panels have to be joined by end lapping, the top edges of the lower panels are die set to form a weatherproof lap joint.



SECTION THROUGH WINDOW



DETAIL AT FLOOR CURB

Various materials are used for the fluted external section; 18 gauge aluminium, 22 gauge basic galbestos or 20 gauge metallic coated steel. The basic galbestos consists of zinc coated steel sheet, asbestos felt being pressed into the zinc coating while it is still molten; the felt is subsequently impregnated with bitumen. The flat internal section is usually of metallic coated steel, but aluminium is also used as an alternative.

The panels have a U factor of 0.20 or less, depending on the core filling used, which is governed by the fire rating specified for a given building, and have been used for factories, office blocks, schools and similar buildings, where the strong pattern of the vertical flutes gives an interesting texture to the wall. Flashings or angle fittings which may be required at corners are supplied in the same material as the main unit so as to give a uniform appearance.

The long sides of each unit have interlocking lips which are filled with caulking compound and give a positive seal. Fastening of the units is by bolting or riveting. The aluminium fluted sheets are secured to special spacer bars so that nowhere are they in contact with steelwork, thus eliminating bi-metal corrosion. (Robertson Thain Ltd., Ellesmere Port, Wirral, Cheshire.)

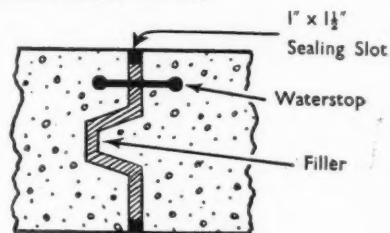
SCREEDING ON OLD FLOORS

One of the more awkward problems in the reconditioning of old houses is to know what to do with worn timber or concrete floors. The planing off of timber means a lot of work in punching down nails, and screeds nearly always have to be thicker than is strictly necessary, leading to difficulties with door fixings and thresholds. A new material, known as Roxflex seems to have possibilities, as it is claimed that it can be laid in any thickness from a feather edge to $\frac{1}{4}$ in. or more, so that the height of the finished surface should be no more than that of the original. (L. Fishburn, 31, Courthouse Gardens, Finchley, London, N.3.)

WATER STOPS FOR EXPANSION JOINTS

Messrs. Expandite have been producing for some time rubber water stops for construction or expansion joints in concrete, and to their existing range they have now added a p.v.c. strip in three widths, 4, 6 and 9 inches. These water stops are compounded to give an effective combination of mechanical strength, flexibility, chemical inertness and resistance to ageing, while one of the other advantages of p.v.c. is the ease with which it can be joined on the site. Moreover, in many instances it is more resistant than rubber to chemical attack, particularly by petroleum products;

on the other hand it has little more than half the elongation of rubber, and the latter should therefore still be used if large movements are likely to occur due to settlement or excessive temperature variations. The water stops should preferably be placed near the centre of the slab, unless a jogged joint is used, when it should be offset, as shown in the section below. (Expandite Ltd., Chase Road, London, N.W.10.)



BUILDING INSULATION

The seventh edition of the Structural Insulation Association's booklet has just been issued, and contains, as well as a list of suppliers and their addresses, a very useful list of various types of construction, roofs, floors, walls and windows, with the relevant U factors. Figures are given for typical house constructional methods, and also for industrial and public buildings. There is also a list of insulating materials, their properties, and the way in which they are supplied. (The Structural Insulation Association, 32, Queen Anne Street, Cavendish Square, London, W.1.)

FIREPLACE DESIGNS

Architects who have despaired of ever finding any thing at all pleasant to look at in fireplace manufacturers' catalogues will probably be interested in Froy's new designs, which are on show with surroundings furnished by Heals (see illustration). There are a number of different designs available, all to take the usual continuous burning fires. Mention of Froy's reminds me that they have now issued the first post-war edition of their well-known pre-war catalogue. This is a monumental affair, listing everything from roofing materials to door knobs and screws, and containing several hundred pages plus a supplementary index of prices—the only way to do it when costs change so rapidly. Production is said to have taken 18 months or so, and I can well believe it. I would also expect several nervous breakdowns in the checking of references and figures. (W. N. Froy & Sons Ltd., Brunswick Works, Hammersmith, London, W.8.)

This Froy fireplace has a white painted wood moulding and curb, with tiled interior and hearth in ivory and mushroom decorated tiles, with motifs in green. The surroundings are furnished by Heals.



Readers requiring up-to-date information on building products and services may complete and post this form to the Architects' Journal 9, 11 and 13, Queen Anne's Gate, S.W.1

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Buildings Illustrated

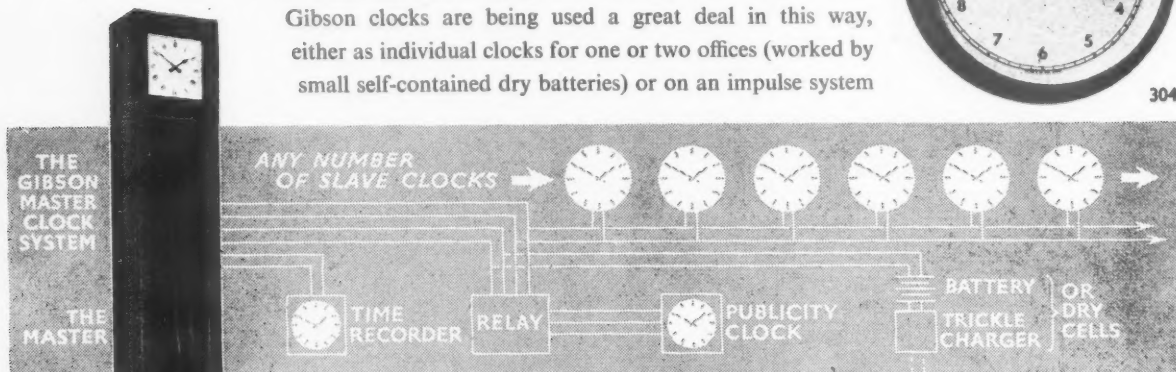
The Ridgeway Hotel, Lusaka, Northern Rhodesia. (Pages 215-218.) Architect: G. A. Jellicoe, F.R.I.B.A., M.T.P.I. Assistant Architects: (design) Sheila Haywood, A.R.I.B.A.; R. Rutherford, A.R.I.B.A., Pauline Darling, A.R.I.B.A., (construction) R. J. Cole, L.R.I.B.A.; (gardens) Mary Braendle; Advisory Site Architect: R. McKinlay, M.B.E., A.R.I.B.A.; (furnishing and decoration) Dennis Lennon, M.C., A.R.I.B.A.; Consulting Structural Engineers: Brian Colquhoun & Partners; General Contractors: Richard Costain Ltd.; Sub-contractors: Unicalor stokers, Joshua Bigwood & Son Ltd.; Acousti-Celotex tiles, Celotex Ltd.; floor tiles, Marley Tile Co. Ltd.; welded horizontal galvanized storage calorifiers, Hartley & Sugden Ltd., and Rother Boiler Co. Ltd.; pressed steel tank, Braithwaite & Co. Engineers Ltd.; equipment for fish and meat rooms, bars, service bar, ice cream storage, etc., Pressed Steel Co. Ltd.; water softener plant, Permutit Co. Ltd.; kitchen equipment, Benham-Booth (Pty.) Ltd.; locks and door furniture, Comyn Ching & Co. (London) Ltd.; electric passenger lifts, Marryat & Scott Ltd.; doors for general food store, etc., panels for fish store, Smithfield Refrigerator Co. Ltd.; spring underfloor system with locking gear, Francis Morton (Spring Floors) Ltd.; valves, thermometers, pressure gauges, etc., Crane Ltd.; cast iron pipes, etc., Fraser & Ellis Ltd.; feed pump, Royles Ltd.; pumping units, Worthington-Simpson Ltd.; furniture, Scottish Furniture Mfrs. Ltd.; light fittings, Troughton & Young Ltd.; fabrics,

Tibor Ltd., David Whitehead Ltd., Edinburgh Weavers, Donald Brothers Ltd., Wilson & Glennie Ltd., and Warner & Sons Ltd.; carpets, James Templeton & Co. Ltd.; wallpapers, Cole & Son (Wallpapers) Ltd., and John Line & Sons Ltd.

Secondary Modern School in Cheshunt, Hertfordshire, for the Hertfordshire County Council. (Pages 219-222.) Architects and Consulting Engineers: Norman and Dawbarn, in association with C. H. Aslin, County Architect. Consultants: acoustics, Hope Bagenal, F.R.I.B.A.; landscape, Brenda Colvin. Quantity Surveyors: William C. Inman & Partners. General Contractors: Y. J. Lovell & Son Ltd. Sub-contractors: Reinforced concrete, The Trussed Concrete Steel Co. Ltd.; bricks, J. H. Sankey & Son Ltd.; reinforced precast concrete wall slabs, F. Bradford & Co. Ltd.; roofing felt, William Briggs & Sons Ltd.; patent glazing, casements, Williams & Williams Ltd.; strip flooring, Hollis Bros. Ltd.; patent flooring, The Granwood Flooring Co. Ltd.; acotile flooring, The Neuchatel Asphalte Co. Ltd.; linoleum, B. Holden & Co. Ltd.; central heating, Weatherfoil Heating Systems Ltd.; gas fixtures, gas fitting, Eastern Gas Board; electric wiring, Electrical Installations Ltd.; electric light fixtures, General Electric Co., Troughton & Young (Lighting) Ltd.; plumbing, Richard J. Audrey Ltd.; sanitary fittings, ventilation, Stitsons Sanitary Fittings Ltd.; door furniture, Rennis Ltd.; rolling shutters, Fireproof Shutter & Door Co.; sunblinds, J. Avery & Co. (classite & venetian blinds); metalwork, Light Steelwork (1925) Ltd.; stonework, Hornton Quarries Ltd.; tiling, Parkinsons (Wall Tiling) Ltd.; textiles, Gerald Holton; hard lawn tennis courts, The En-Tout-Cas Co. Ltd.; gymnasium equipment, Spencer Heath & George Ltd.; cloakroom fittings, Clark, Hunt & Co. Ltd.; hand lift, Thornborough & Son (Manchester) Ltd.; wallpaper, John Line & Son Ltd.

PLAN for CLOCKS

In the newest and best buildings the clocks are regarded both as architectural features and essential amenities; they go in before the walls are plastered. Gibson clocks are being used a great deal in this way, either as individual clocks for one or two offices (worked by small self-contained dry batteries) or on an impulse system



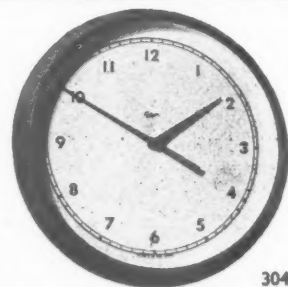
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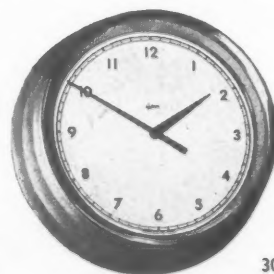
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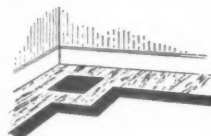
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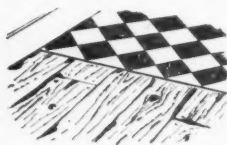
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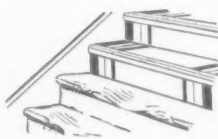
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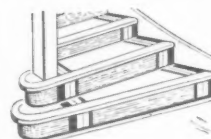
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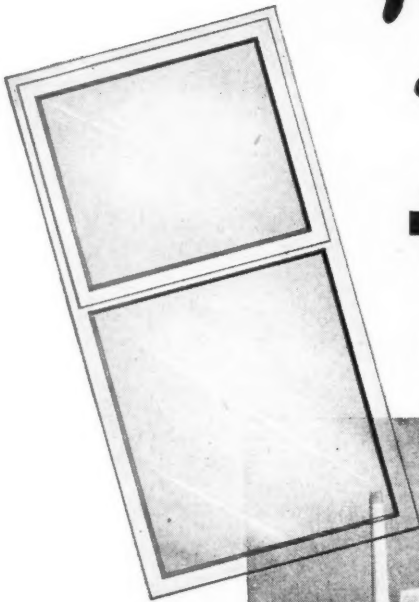


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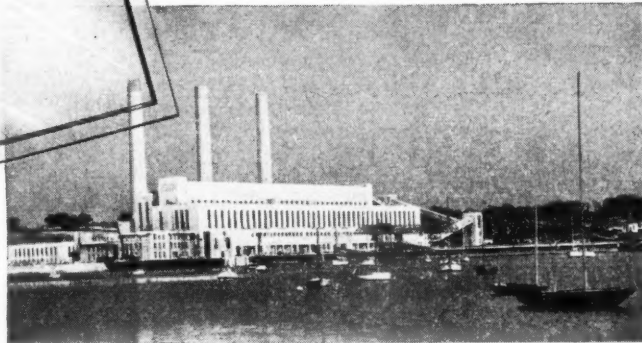
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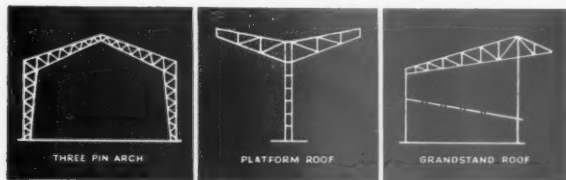
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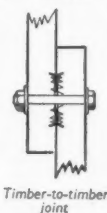
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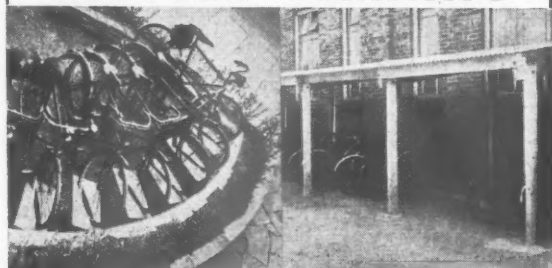
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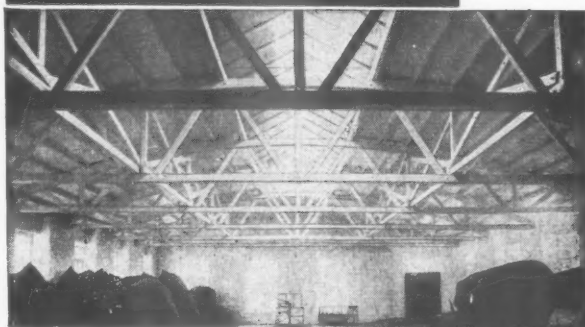
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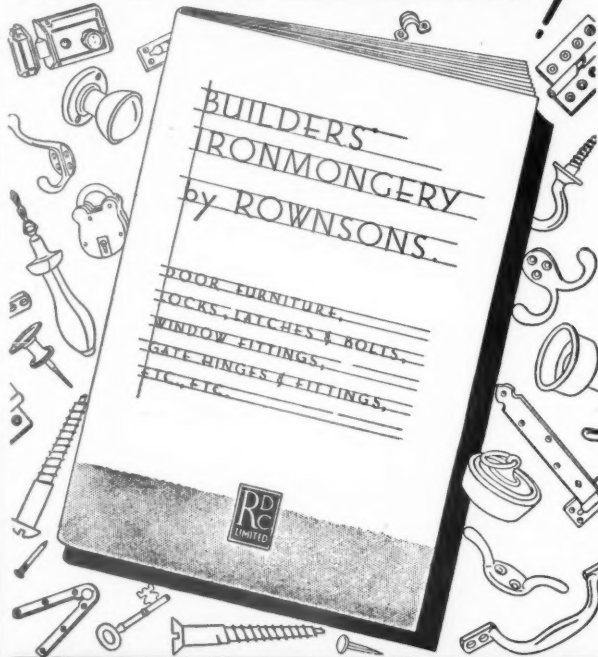
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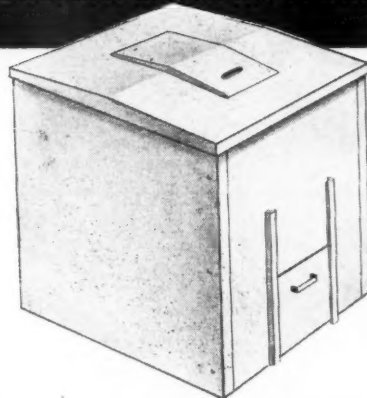
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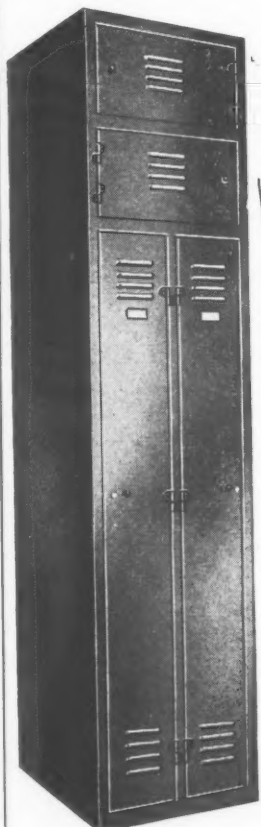


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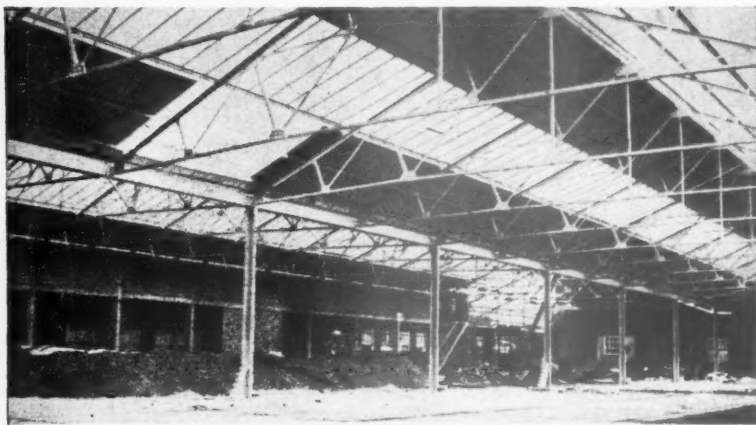
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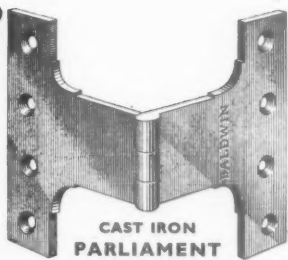
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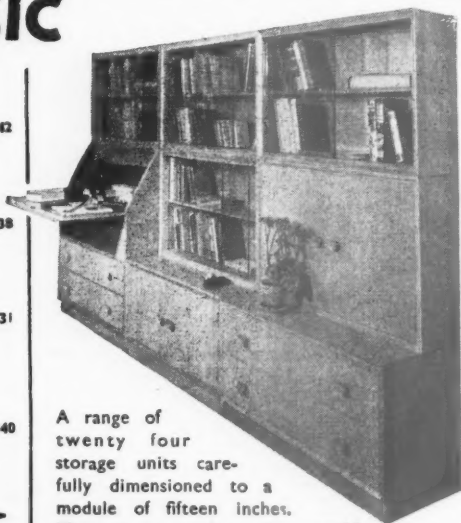
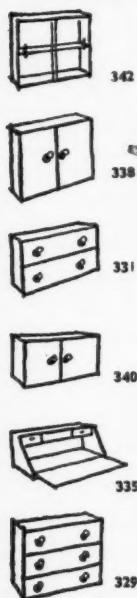
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CLASSIFIED ADVERTISEMENTS

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

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

Public and Official Announcements

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

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she or the employment is exempted from the provisions of the Notification of Vacancies Order, 1952.

LONDON COUNTY COUNCIL. ARCHITECT'S DEPARTMENT.

Vacancies for TECHNICAL ASSISTANTS (up to £721) in Structural Engineering Division. Work includes steelwork and reinforced concrete design and detailing for Council's building, and checking structural designs and calculations under London Building Acts.

Application forms from Architect (AR/BK/SE/5), County Hall, S.E.1. (1270) 1057

AIR MINISTRY WORKS DEPARTMENT requires ARCHITECTURAL ASSISTANTS in Design Branch. Applicants should be experienced in planning and preparation of working drawings and details for permanent and semi-permanent buildings. Professional qualifications an advantage. Vacancies mainly London, few Provinces. Appointments carry liability for overseas service, for which allowances payable. Salaries up to £733 p.a., starting pay dependent upon age, qualifications, and experience. Extra duty allowance or overtime payable. Reasonable prospects of promotion. Posts temporary and non-pensionable, but have long-term possibilities. Competitions held periodically to fill established vacancies. Applications from natural born British subjects only, quoting B.H. and stating age, qualifications, and previous appointments, giving dates and stating type of work done, to Air Ministry, S.2(h)/NA, Cornwall House, Stamford Street, London, S.E.1. 1595

MALVERN URBAN DISTRICT COUNCIL require CHIEF ARCHITECTURAL ASSISTANT, A.P.T., VI (£695-£760). Applications, stating age, qualifications, experience, and previous appointments, with names of two persons to whom reference may be made, in envelopes endorsed "Chief Architectural Assistant," to be forwarded to The Clerk of the Council, The Council House, Malvern, not later than 24th February 1954.

Candidates must have passed the Final Examination of the R.I.B.A. 1659

COUNTY BOROUGH OF ROCHDALE. Applications are invited for the appointment of ASSISTANT ARCHITECT in the Department of the Borough Surveyor. The salary for this appointment is up to Grade A.P.T., V (£595-£645 per annum), according to experience and qualifications. To qualify for salary on Grade V applicants must be Registered Architects and should have a thorough knowledge of architectural work, with experience in the design of public buildings.

The appointment will be subject to the provisions of the Local Government Superannuation Act, and to the selected candidate passing a medical examination. Canvassing is prohibited, and candidates must disclose whether to their knowledge they are related to any member or senior officer of the Council.

Applications, stating age, qualifications, and full particulars of experience, together with the names and addresses of two persons to whom reference may be made, must be delivered to the Borough Surveyor, Town Hall, Rochdale, by 8 a.m. on Saturday, the 13th March, 1954. Envelopes must be endorsed "Assistant Architect."

K. B. MOORE.

Town Clerk.

1687

COUNTY BOROUGH OF BARROW-IN-FURNESS.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
ARCHITECTURAL ASSISTANT—GRADES III-IV.

Applications are invited from candidates of Inter. R.I.B.A. standard for the permanent post of Architectural Assistant on Grade III or IV.

The commencing salary will be fixed according to the qualifications and experience of the successful candidate. Housing accommodation cannot be provided. Further particulars, conditions of appointment and forms of application, may be obtained from the Borough Engineer and Surveyor, Town Hall, Barrow-in-Furness, to whom completed applications must be returned not later than Monday, 1st March, 1954.

LAWRENCE ALLEN.

Town Clerk.

1703

STEENEY M.B.C. require TWO ARCHITECTURAL ASSISTANTS. Salaries: £670-£735, plus L.W.A. A.R.I.B.A. or equivalent qualification. Experience in design and preparation of detailed drawings for public buildings (such as experience of swimming baths an advantage). Apply to Borough Engineer, 227/233, Commercial Road, E.1. 1704

BRECONSHIRE COUNTY COUNCIL. PLANNING DEPARTMENT.

Applications are invited for the permanent appointment of CHIEF ASSISTANT in the County Planning Department. Candidates should have passed or obtained exemption from the Final Examination of the Town Planning Institute. A qualification in Architecture will be an advantage. The salary payable will be in accordance with A.P. and T. Grade VII of the National Joint Council's scale, viz. £710 per annum, rising by annual increments to £785 per annum (plus an additional £25 per annum as from 1st April, in accordance with the recent award). The appointment will be subject to (i) the National Scheme of Conditions of Service, (ii) the provisions of the Local Government Superannuation Act, 1937, (iii) the passing satisfactorily of a medical examination, (iv) one month's written notice on either side. Applications, stating age, qualifications and experience, with names and addresses of three referees, must reach the undersigned not later than 1st March, 1954. Canvassing, directly or indirectly, will definitely disqualify the candidate for the appointment.

C. M. S. WELLS.

Clerk of the County Council. 1706

BRITISH ELECTRICITY AUTHORITY. EAST MIDLANDS DIVISION.

Applications are invited for the following positions within the Division:—
ENGINEERING DRAUGHTSMAN (CIVIL), Construction Department. (Vacancy No. 1/54).

Candidates should have experience in design and detail of reinforced concrete structures, piled and slab foundations for heavy plant, culverts, cable subways, etc., for general building construction drainage and sanitation schemes, associated with official and administrative buildings.

The salary will be in accordance with Grade 5 (£567-£671 per annum) or Grade 6 (£433-£567 per annum) of Schedule D of the National Joint Board Agreement.

ENGINEERING DRAUGHTSMEN (MECHANICAL), Construction Department. (Vacancy No. 2/54).

Senior Draughtsmen are required in the Mechanical Section of the Construction Department at North Wilford Power Station. Candidates should have experience in one or more of the following:—

- (i) Design and layout of Power Station equipment, including turbo-alternators, boiler plant, coal and ash plant, and general station auxiliaries.
- (ii) H.P. and L.P. steam and feed pipework. Condensing plant and feed heating systems.
- (iii) Conveyor plant, coal handling systems and material handling of station auxiliary equipment.

The salary will be in accordance with the National Joint Board Agreement, Grade 5 (£567-£671 per annum) and Grade 6 (£433-£567 per annum) of Schedule D, according to experience.

ENGINEERING DRAUGHTSMEN (ELECTRICAL), Construction Department. (Vacancy No. 3/54).

Candidates should have experience in the preparation of layouts and diagrams for the installation of E.H.T. and L.T. Switchgear, transformers, E.H.T. and L.T. cables; knowledge of protective gear systems would be an advantage.

The salary will be in accordance with the National Joint Board Agreement, Grade 5 (£567-£671 per annum) and Grade 6 (£433-£567 per annum) of Schedule D, according to experience.

The above positions will be pensionable within the provisions of the B.E.A. and Area Boards Superannuation Scheme.

Applications should be submitted on the official form, which may be obtained from the Divisional Establishments Officer, British Electricity Authority, Barker Gate, Nottingham, and should be returned to the undersigned by the date stated. Please quote Vacancy Number.

L. F. JEFFREY.

Divisional Controller. 1685

BOROUGH OF HEYWOOD. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the above-mentioned permanent appointment in the department of the Borough Engineer and Surveyor, at a salary in accordance with Grade VI (£670-£735) of the Scale of Salaries.

Applicants must have passed the Final of the R.I.B.A. Examination, or hold an equivalent qualification, and must have had considerable experience in housing, general architectural work, quantities and final accounts.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, to the National Joint Council's Conditions of Service, and to one month's notice in writing on either side.

Housing accommodation, if required, will be provided for the successful applicant. The successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials and appropriately endorsed, should reach the undersigned not later than Friday, 26th February, 1954.

W. R. PARKER.

Town Clerk.

Municipal Buildings, Heywood.

1713

SKEGNESS URBAN DISTRICT COUNCIL. AMENDED ADVERTISEMENT.

ARCHITECTURAL ASSISTANT, GRADE V and Va (£595-£685).

Applications are invited from suitably qualified persons for the appointment of Architectural Assistant in the Engineer and Surveyor's Department, the commencing salary to be fixed according to the qualifications and experience of the person appointed.

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

The Council will provide, if required, housing accommodation at an economic rent.

Applicants should have had experience in the preparation of plans, designs, details and specifications for the architectural work normally undertaken by an Urban Authority, including the preparation of quantities.

Applications, suitably endorsed, together with copies of two recent testimonials, to be delivered to the undersigned not later than 1st March, 1954.

Previous applicants should notify the undersigned in writing if they still wish their applications to stand.

IVOR M. CULE.

Clerk to the Council.

Town Hall, Skegness.

9th February, 1954.

1711

BRITISH ELECTRICITY AUTHORITY. SOUTHERN DIVISION.

S/13.496

A vacancy exists in the Drawing Office of the Construction Department at Portsmouth for a:—
SENIOR ENGINEERING DRAUGHTSMAN (CIVIL AND BUILDING).

Candidates should have a good technical education in Architecture and Building Construction, and have experience in one or more of the following:—

- (1) Design and detailing of industrial and administrative buildings.
- (2) Design and detailing of structural steelwork.
- (3) Design and detailing of reinforced concrete structures, piled and slab foundations for heavy plant, culverts, cable subways, etc.
- (4) Drainage and sanitation schemes.

Salary: N.J.B., Schedule D, Grade 5 (£567-£671). Special application forms, obtainable from P. D. A. Oliver, Divisional Secretary, 111, High Street, Portsmouth, should be returned by 25th February, 1954. 1681

BOROUGH OF OLDURY. QUANTITY SURVEYOR.

Applications are invited for the appointment of Quantity Surveyor, Grade A.P.T. VIII, in the Architects' Section of the Borough Surveyor's Department.

The Corporation's building programme comprises mixed development of houses, maisonettes and flats, shopping centres, development of the Central Clearance Areas for multi-storey flats, and general building work for all Committees. Candidates for this appointment should be Chartered Quantity Surveyors, possessing a thorough knowledge of building contract procedure, and have administrative ability; be experienced in the preparation of estimates, preparing specifications and bills of quantities, valuation for interim certificates and settling final accounts for all types of Local Authority building contracts.

The appointment will be pensionable, subject to the National Conditions of Service, and to the selected candidate passing a medical examination. Applications, giving particulars of age, qualifications and experience, with the names of two referees, should be delivered to the undersigned not later than Monday, 1st March, 1954.

Housing accommodation will be available to married applicants if this is required.

KENNETH PEARCE.

Town Clerk.

Municipal Buildings, Oldbury.

6th February, 1954.

1682

STAFFORDSHIRE COUNTY COUNCIL— EDUCATION COMMITTEE.

Applications are invited for the following appointments in the Education Architect's Department:—

(a) ONE SENIOR QUANTITY SURVEYOR, Grade A.P.T., VIII (salary: £760-£835 p.a.), who must be a Member of the R.I.C.S. (Quantities Sub-Division) or the I.Q.S.

Applicants should have a number of years' experience in a similar appointment, embracing "Estimating," "Measuring on Site," "Adjustment," and "Settlement of Final Accounts," and be capable of assuming full responsibility for the Section in the absence of the Chief Quantity Surveyor.

(b) ONE EXPERIENCED QUANTITY SURVEYOR, Grade A.P.T., VI (salary: £570-£735 p.a.).

Applicants must have passed their Final for the R.I.C.S. (Quantities Sub-Division) or the I.Q.S.

(c) MEASURING SURVEYORS, Grade A.P.T., IV (salary: £555-£600 p.a.).

Applicants must have passed the Intermediate Examination of the R.I.C.S. or the Final of the I.Q.S., and have experience in "Measuring" and Contract Settlement.

Applications should state age, education, qualifications, present and past appointments, and should be submitted, together with copies of two recent testimonials, to: Mr. A. C. H. Stillman, F.R.I.B.A., County Education Architect's Department, Green Hall, Lichfield Road, Stafford, not later than the 28th February, 1954.

T. H. EVANS.

Clerk of the County Council.

1684

CARDIGANSHIRE COUNTY COUNCIL.

Applications are invited for the following appointments in the County Architect's Department, Aberystwyth:—

(a) **PRINCIPAL ASSISTANT ARCHITECT** (A.P.T. VIII—£760 (£25—£835)). To be in charge of the Drawing Office and have general responsibility for the department in the absence of the County Architect and his Deputy. Applicants should be Members of the R.I.B.A. with good experience in the design and construction of modern buildings.

(b) **QUANTITY SURVEYOR** (A.P.T. VIII—£760 (£25—£835)). Applicants should be Members of the R.I.C.S. and must be thoroughly experienced in the preparation of Bills of Quantities, estimating, interim valuations, final accounts and general contract procedure for large building projects.

(c) **MAINTENANCE ASSISTANT** (A.P.T. IV-V—£555 (£15 (2) × £20 (1)—£645)). Applicants must have sound knowledge of building construction and all trade with experience in the preparation of specifications of maintenance and minor works.

(d) **CLERK-TYPIST** (Female) (General Division—commencing salary to depend on qualifications and experience). Previous office experience essential.

(e) **TELEPHONE OPERATOR** (Female) (Misc. Div. Scale £300 × £15 (1) × £10 (3)—£345). Previous experience in operation of switchboards essential.

(f) **TWO CLERKS OF WORKS** (Temporary) (Inclusive salary of £10 per week). Applicants must have a thorough knowledge of the building trade, must be conversant with plans and specifications and Bills of Quantities, competent in the measuring and setting out of work and maintaining records and be able to prepare progress reports.

Candidates must disclose whether to their knowledge they are related to any member or Chief Officer of the Authority.

Forms of application and further details obtainable from the County Architect, County Hall, Aberystwyth.

CLOSING DATE—8th MARCH, 1954.

J. E. R. CARSON,
County Office, Marine Terrace, Aberystwyth. 1724

BOROUGH OF COLCHESTER.

TEMPORARY ARCHITECTURAL ASSISTANT. Applications are invited for the appointment of a Temporary Architectural Assistant in the Borough Engineer's Department at salary in accordance with A.P.T. Grades I-III, £495-£570 per annum (£520-£595 as from 1st April, 1954) according to qualifications and experience.

Applicants should have passed the Intermediate Examination of the R.I.B.A., or its equivalent and be capable of preparing working drawings, site surveys and levels and preferably have had experience in connection with Local Authority Housing Schemes. The appointment will be subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The appointment will be terminable by one month's notice on either side.

Applications stating age, qualifications and experience, accompanied by copies of not more than two recent testimonials must reach the Borough Engineer, 1, West Stockwell Street, Colchester, not later than Monday, 1st March, 1954.

Canvassing will disqualify, and candidates must state whether they are related to any member or senior officer of the Council.

N. CATCHPOLE,
Town Clerk. 1726

WEST SUFFOLK COUNTY COUNCIL.

ARCHITECTURAL ASSISTANT, N.J.C. service conditions. Salary: £625-£685 (A.P.T., Va). Post pensionable; medical examination. Applicants should have had at least two years' office experience and should be Registered Architects. Application forms, obtainable from the Clerk of the County Council, Shire Hall, Bury St. Edmunds, to be returned by 13th March, 1954. 1588

CORBY DEVELOPMENT CORPORATION.

Applications are invited for the undermentioned appointments in the office of the Chief Architect:

(a) **QUANTITY SURVEYOR** (1) within the scale £630 × £30—£750.

(b) **ASSISTANT QUANTITY SURVEYOR** (1) within the scale £525 × £25—£575. Candidates should have experience in "taking off" and in the settlement of accounts for large scale construction projects.

(c) **CLERK OF WORKS** (1) within the scale £475 × £25—£675 for the supervision of major building contracts.

(d) **TECHNICAL ASSISTANT** (1) at a salary of £420 per annum. Candidates should have experience of a large drawing office, plan printing, filing, etc.

The appointments are subject to one month's notice on either side, the provisions of the Local Government Superannuation Act, and to the passing of a medical examination.

Applications, stating age, education, training, qualifications, experience, and present appointments and salaries, together with the names of two referees, must be received by the undersigned not later than 22nd February, 1954, in envelopes endorsed "Appointments."

Housing may be available.

R. F. BROOKS GRUNDY,
General Manager.
The Stone House, South Road, Corby, Northants. 1725

STAFFORDSHIRE COUNTY COUNCIL.
COUNTY PLANNING AND DEVELOPMENT DEPARTMENT.

Applications are invited for the appointment of:—

(a) **SENIOR ASSISTANT, Estates Section.** A.P.T. Grade VI, salary £670 to £735 at Headquarters Office, Stafford.

(b) **PLANNING ASSISTANT, Design Section.** A.P.T. Grades IV-VI, salary £555 to £735 according to experience and qualifications, at Headquarters Office, Stafford.

(c) **JUNIOR PLANNING ASSISTANTS, A.P.T. Grades I-IV, salary £465 to £560 according to experience and qualifications.** Vacancies at Stafford and Wolverhampton.

Applicants for (a) should be Corporate Members of the Royal Institution of Chartered Surveyors and Membership of the Town Planning Institute would be an advantage. Applicants should have had experience in valuation and/or estate management.

Applicants for (b) should be qualified architects or surveyors and Membership of the Town Planning Institute would be an advantage. Applicants should have had experience in the preparation and carrying out of effect of housing estate layouts, estate redevelopment work and urban redevelopment schemes.

Applicants for (c) should have had training in an architect's, engineer's, surveyor's or planning office and preference will be given to those who have passed the intermediate examination of the Town Planning Institute or its equivalent.

Applicants should give details of age, education and training qualifications, present and previous appointments and experience, and should include copies of two recent testimonials and the names of two other persons to whom reference can be made. Applications, in which relationship to any member or senior officer of the County Council must be disclosed, should be sent to D. W. Riley, County Planning and Development Officer, 41a, Eastgate Street, Stafford, not later than the 4th March, 1954.

T. H. EVANS,
Clerk of the County Council. 1735

COUNTY BOROUGH OF DONCASTER.
BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of a Temporary **QUANTITY SURVEYING ASSISTANT, Grade A.P.T. Va** (£625 × £20 × £20—£685). Applicants must be suitably qualified and have had good experience in the preparation of Bills of Quantities for all types of work, valuations for interim certificates and the settlement of final accounts.

The appointment will be subject to one month's notice on either side and to the National Joint Council's Scheme of Conditions of Service and the terms of the Local Government Superannuation Act 1937, and the successful applicant will be required to pass a medical examination. Forms of application can be obtained from the Borough Architect, L. J. Tucker, A.R.I.B.A., F.I.H.S., 15, South Parade, Doncaster, and must be returned to the undersigned not later than 12 noon Monday, the 8th March, 1954.

Canvassing directly or indirectly will be a disqualification.

H. R. WORMALD,
Town Clerk. 1734

OXFORDSHIRE COUNTY COUNCIL.

ASSISTANT QUANTITY SURVEYOR—Salary A.P. & T. Grade IV-V (£555-£645) (according to experience).

Applications are invited for the above post in the County Architect's Department. Applicants should have experience in the preparation of Bills of Quantities, interim valuations and final accounts. Preference will be given to candidates who have passed the Intermediate examination of the R.I.C.S. The appointment is subject to the provisions of the Local Government Superannuation Act 1937-53, and to medical examination.

Applications stating age, experience, qualifications and the names of two referees are to be sent to the County Architect, Park End Street Offices, Oxford, not later than the 5th March, 1954.

GERALD GALE BURKITT,
Clerk of the Council. 1733

CRAWLEY DEVELOPMENT CORPORATION.

require a **JUNIOR ASSISTANT ARCHITECT** (salary scale: £465-£605 p.a.), with experience in architectural practice. Applicants should have reached the R.I.B.A. Intermediate Examination standard. Contributory superannuation. Application forms and particulars to be obtained from Chief Architect (Vacancy), Broadfield, Crawley, Sussex, and returned by 8th March, 1954.

C. A. C. TURNER, Chief Executive. 1712

SENIOR ARCHITECTURAL ASSISTANT (Temporary) required by HAYES & HARLINGTON U.D.C. Salary: A.P.T., VII (£710 to £785), plus London "weighting." Increase of £25 p.a. as from 1/4/54. Applicants must be Registered Architects with good experience in contemporary design and construction in relation to Municipal housing work, and be capable of supervising large building contracts. Application form from Engineer and Surveyor, Town Hall, Hayes, Middx., to be returned by 1st March, 1954. 1705

COUNTY BOROUGH OF SOUTHAMPTON. Appointment of **ASSISTANT ARCHITECT, Grade IV (£555-£600 p.a.)**. Application forms from Borough Architect, Civic Centre, Southampton, to be returned by 1st March, 1954. 1723

MIDDLESBROUGH EDUCATION COMMITTEE.

ASSISTANT ARCHITECT, Grade V, required in the Education Offices (Education Architect—P.R. Middleton, Dipl. Arch., A.R.I.B.A.).

Forms and particulars obtainable from the Director of Education, Education Offices, Woodlands Road, Middlesbrough, to whom completed forms should be returned not later than Wednesday, 10th March, 1954. 1728

LONDON COUNTY COUNCIL require: (1) **ARCHITECTURAL ASSISTANTS, SURVEYING ASSISTANTS and LANDSCAPE DESIGNERS** for the preparation of surveys, sketch schemes, working drawings and specifications for buildings and ancillary work in parks and open spaces, and the layout of new parks, sports grounds and garden areas to housing estates, schools, etc. (2) **TECHNICAL ASSISTANT** for preparing plans and records of proposals for open spaces under the London Development Plan.

Salaries up to £675 according to experience and qualifications. Application forms from Chief Officer, Parks Department, Spring Gardens, S.W.1. (120.) 1722

COUNTY COUNCIL OF DURHAM.
COUNTY PLANNING DEPARTMENT.

Applications are invited for the following permanent appointments in the County Planning Department:—

ONE PLANNING ASSISTANT, Grade II, A.P.T. (£495-£540).

Applicants should have a degree in either Geography, Economics or Social Science, and have knowledge of and experience in statistical work, population calculations, assessment of employment problems, etc., in connection with town map work.

Further details and forms of application (returnable by 3rd March, 1954), obtainable from the County Planning Officer, 10, Church Street, Durham.

J. K. HOPE,
Clerk of the County Council.
Shire Hall, Durham. 1683

LANCASHIRE COUNTY COUNCIL.

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

(a) **ASSISTANT ARCHITECT, Grade A.P.T. V (£620-£670 from 1.4.54).**

(b) **ASSISTANT ARCHITECT, Grade A.P.T. VI (£695-£760 from 1.4.54).**

Application forms to be returned by Saturday, 6th March, obtainable from the County Architect, County Hall, Preston. 1686

METROPOLITAN BOROUGH OF FULHAM.

SENIOR ASSISTANT ARCHITECT.

Housing and Public Buildings Department. Salary A.P.T. VI £670-£735 plus London weighting £30 p.a. over 26 years. Applicants must be registered architects. Experience in planning and designing schemes of multi-storey flats, handling jobs in progress and in dealing with contracts essential. Application forms from me. Closing date 25th February.

CYRIL F. THATCHER,
Town Clerk. 1727

Architectural Appointments Vacant

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

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she is, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

ARCHITECTURAL ASSISTANTS required for busy practice engaged upon schools, industrial buildings, offices, etc. Write, giving full particulars of qualifications, experience and salary required, to Johns & Slater, F./A.R.I.B.A., 32, Foundation Street, Ipswich. 1536

JUNIOR ASSISTANT about intermediate standard required for varied architectural and industrial design work. Must be a good quick draughtsman with contemporary outlook. Salary by arrangement. Apply in writing only to John Reid, A.R.I.B.A., M.S.I.A., 20, King's Avenue, S.W.4. 1678

A SENIOR ARCHITECTURAL ASSISTANT required, full experience in preparation of Working Drawings, Details and supervising of office and Industrial Buildings in the London Area. Good knowledge of construction and design essential. Apply in writing giving full particulars of qualifications, age, experience and salary required to Box 9829.

SENIOR ASSISTANT required. N.E. London office. Contemporary outlook and some knowledge of Commercial and Industrial buildings desirable. Write age, experience and salary required. Box 1555.

UNIVERSITY OF OXFORD: ARCHITECTURAL DRAUGHTSMAN of Inter standard required immediately. Experience in general alteration and small works an advantage. Salary about £400. Apply fully to the Surveyor to the University, 5, South Parks Road, Oxford. 1571

ARCHITECTURAL ASSISTANT of Intermediate Standard required in office having numerous interesting industrial and commercial projects in hand. Excellent opportunity for suitable candidate. Apply in writing giving full particulars of experience, age, and salary required to: J. Alfred Harper & Son, 63, Temple Row, Birmingham 2. 1710

ASSISTANT, Intermediate to Final standard, required for general practice. Full particulars to Naylor, Sale & Widdows, St. Mary's Chambers, St. Mary's Gate, Derby. 1632

ARCHITECTURAL ASSISTANT required for Schools and Domestic work. Apply by letter, giving details of age, qualifications, experience, salary required, and when available, to Dyson, Cawthorne & Coles, 25, Regent Street, Barnsley, Yorks. 1641

ASSISTANT required immediately, age 28-35, with experience of industrial and domestic work. Good salary and prospects for suitable applicant. Apply in writing, giving details of experience, age, etc., to Herbert J. Stribling, F.R.I.B.A., Nascott, Bath Road, Slough. 1664

OPPORTUNITY established London office for ARCHITECT experienced in controlling staff and supervising large contracts. Salary according to experience. Box 1642.

ASSISTANT required in the Architects' Department of a Multiple Company in the Midlands, conversant with design, alterations and maintenance of retail shop premises, working drawings, specifications and surveys. Salary according to ability, five-day week, and pension scheme in operation. Applicants are requested to furnish details of age, training and experience. Box 1668.

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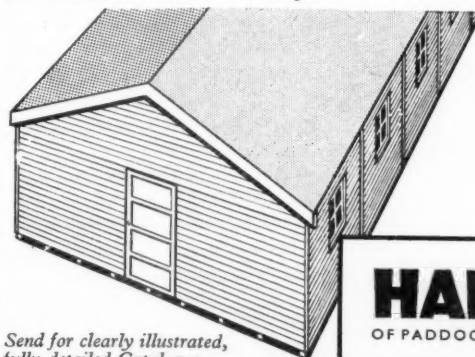
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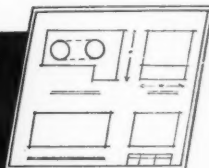
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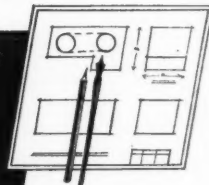
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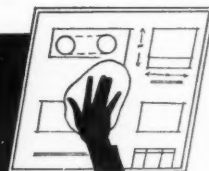
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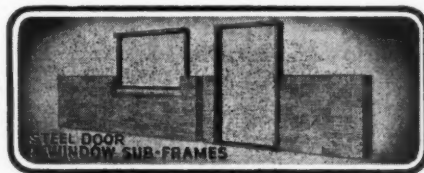
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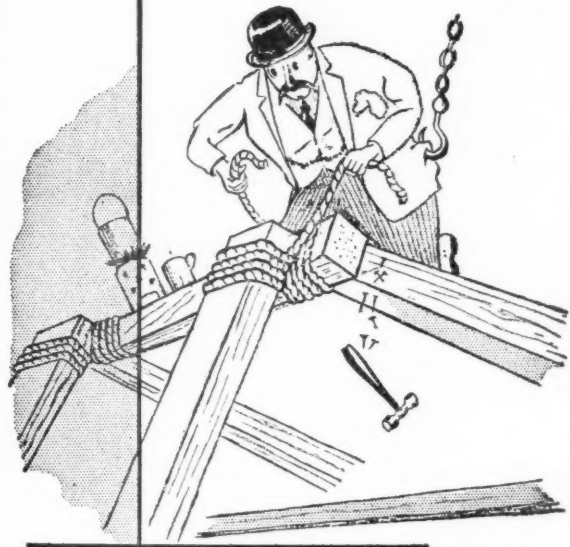
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