

The Architects' JOURNAL for June 18, 1959

THE ARCHITECTS' JOURNAL



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

standard contents

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

NEWS and COMMENT

Astragal's Notes and Topics

Letters

News

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Criticism

TECHNICAL SECTION

Information Sheets

Information Centre

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CURRENT BUILDING

Major Buildings described:

Details of Planning, Construction,

Finishes and Costs

Buildings in the News

Building Costs Analysed

Architectural Appointments

Wanted and Vacant

No. 3355]

[Vol. 131

THE ARCHITECTURAL PRESS

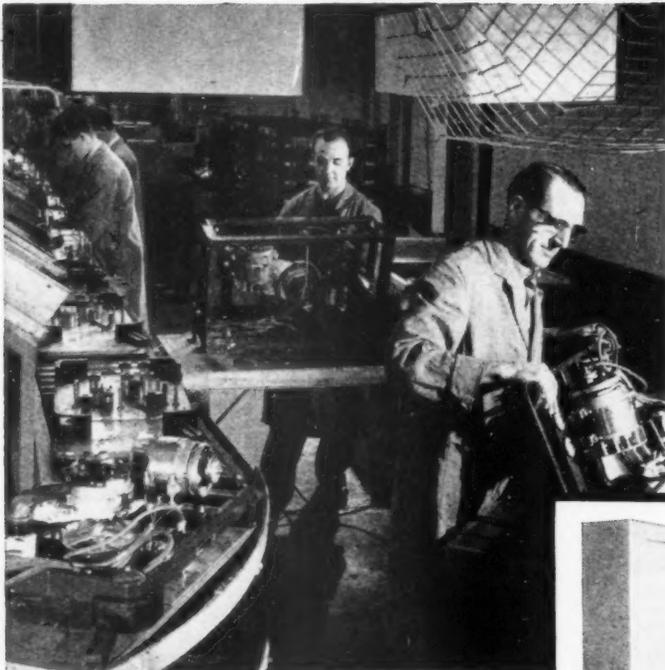
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ILA	Institute of Landscape Architects. 1, Park Crescent, Portland Place, W.1. Museum 3473
I of Arb	Institute of Arbitrators. Hastings House, 10, Norfolk Street, Strand, W.C.2. Temple Bar 4071
IOB	Institute of Builders. 48, Bedford Square, W.C.1. Museum 7197
IQS	Institute of Quantity Surveyors. 98, Gloucester Place, W.1. Welbeck 1859
IR	Institute of Refrigeration. Dalmeny House, Monument Street, E.C.3. Avenue 6851
IRA	Institute of Registered Architects. 68, Gloucester Place, W.1. Welbeck 9966
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1. Sloane 7128
JFRO	Joint Fire Research Organisation (DSIR & Fire Offices' Committee). Fire Research Station, Boreham Wood, Herts. Elstree 1341/1797
LDA	Lead Development Association. 18, Adam Street, W.C.2. Whitehall 4175
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1. Museum 3891
MAFF	Ministry of Agriculture, Fisheries and Food. Whitehall Place, S.W.1. Trafalgar 7711
MOE	Ministry of Education. Curzon Street House, Curzon Street, W.1. Hyde Park 7070
MOH	Ministry of Health. 23, Savile Row, W.1. Regent 8411
MOHLG	Ministry of Housing and Local Government. Whitehall, S.W.1. Whitehall 4300
MOLNS	Ministry of Labour and National Service, 8, St. James's Square, S.W.1. Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, W.C.2. Gerrard 6933
MOT	Ministry of Transport, Berkeley Square House, Berkeley Square, W.1. Mayfair 9494
MOW	Ministry of Works. Lambeth Bridge House, S.E.1. Reliance 7611
NAMMC	Natural Asphalte Mine Owners and Manufacturers Council. 94/98, Petty France, S.W.1. Abbey 1010
NAS	National Association of Shopfitters. 2 Caxton Street, S.W.1. Abbey 4813
NBR	National Buildings Record, 31, Chester Terrace, Regent's Park, N.W.1. Welbeck 0619
NCBMP	National Council of Building Material Producers, 10, Storey's Gate, S.W.1. Abbey 5111
NEFMAI	National Employers Federation of the Mastic Asphalte Industry. 21, John Adam Street, Adelphi, W.C.2. Trafalgar 3927
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1. Langham 4041/4054
NFBTO	National Federation of Building Trades Operatives. Federal house, Cedars Road, Clapham, S.W.4. Macaulay 4451
NFHS	National Federation of Housing Societies. 12, Suffolk St., S.W.1. Whitehall 1693
NHBRC	National House Builders Registration Council. 58, Portland Place, W.1. Langham 0064/5
NPL	National Physical Laboratory. Head Office, Teddington. Molesey 1380
NRDB	Natural Rubber Development Board. Market Buildings, Mark Lane, E.C.3. Mansion House 9383
NSAS	National Smoke Abatement Society. Palace Chambers, Bridge Street, S.W.1. Trafalgar 6838
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1. Whitehall 0211
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1. Whitehall 7245
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1. Abbey 4504
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh. Fountainbridge 7631
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1. Langham 5533
RICS	Royal Institution of Chartered Surveyors. 12, Great George Street, S.W.1. Whitehall 5322/9245
RFAC	Royal Fine Art Commission. 5, Old Palace Yard, S.W.1. Whitehall 3935
RS	Royal Society. Burlington House, Piccadilly, W.1. Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2. Trafalgar 2366
RSH	Royal Society of Health. 90, Buckingham Palace Road, S.W.1. Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19. Wimbledon 5101
SBPM	Society of British Paint Manufacturers. Grosvenor Gardens House, Grosvenor Gardens, S.W.1. Victoria 2186
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1. Abbey 7244
SFMA	School Furniture Manufacturers' Association. 30, Cornhill, E.C.3. Mansion House 3921
SIA	Society of Industrial Artists. 7, Woburn Square, W.C.1. Langham 1984/5
SIA	Structural Insulation Association. 32, Queen Anne Street, W.1. Langham 7616
SNHTPC	Scottish National Housing. Town Planning Council. Hon. Sec., Robert Pollock, Town Clerk, Rutherglen, W.C.1. Great Ormond Street, W.C.1. Holborn 2646
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1. Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2. Temple Bar 5006
TDA	Timber Development Association. 21, College Hill, E.C.4. City 4771
TPI	Town Planning Institute. 18, Ashley Place, S.W.1. Victoria 8815
TTF	Timber Trades Federation. 75, Cannon Street, E.C.4. City 5040
WDC	War Damage Commission. 6, Carlton House Terrace, S.W.1. Whitehall 4341
ZDA	Zinc Development Association. 34, Berkeley Square, W.1. Grosvenor 6636



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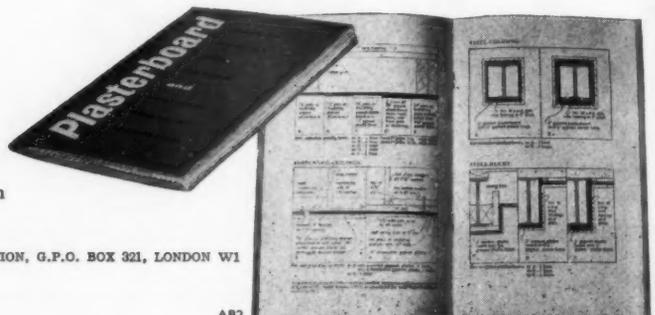
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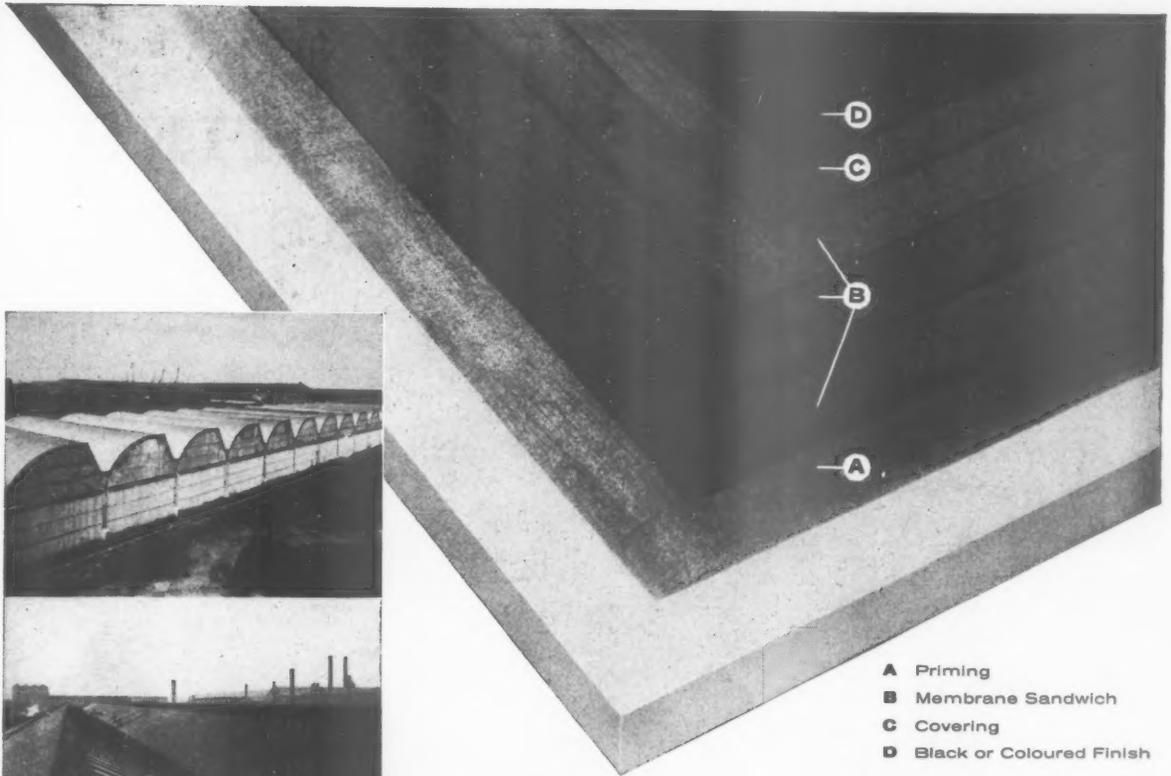
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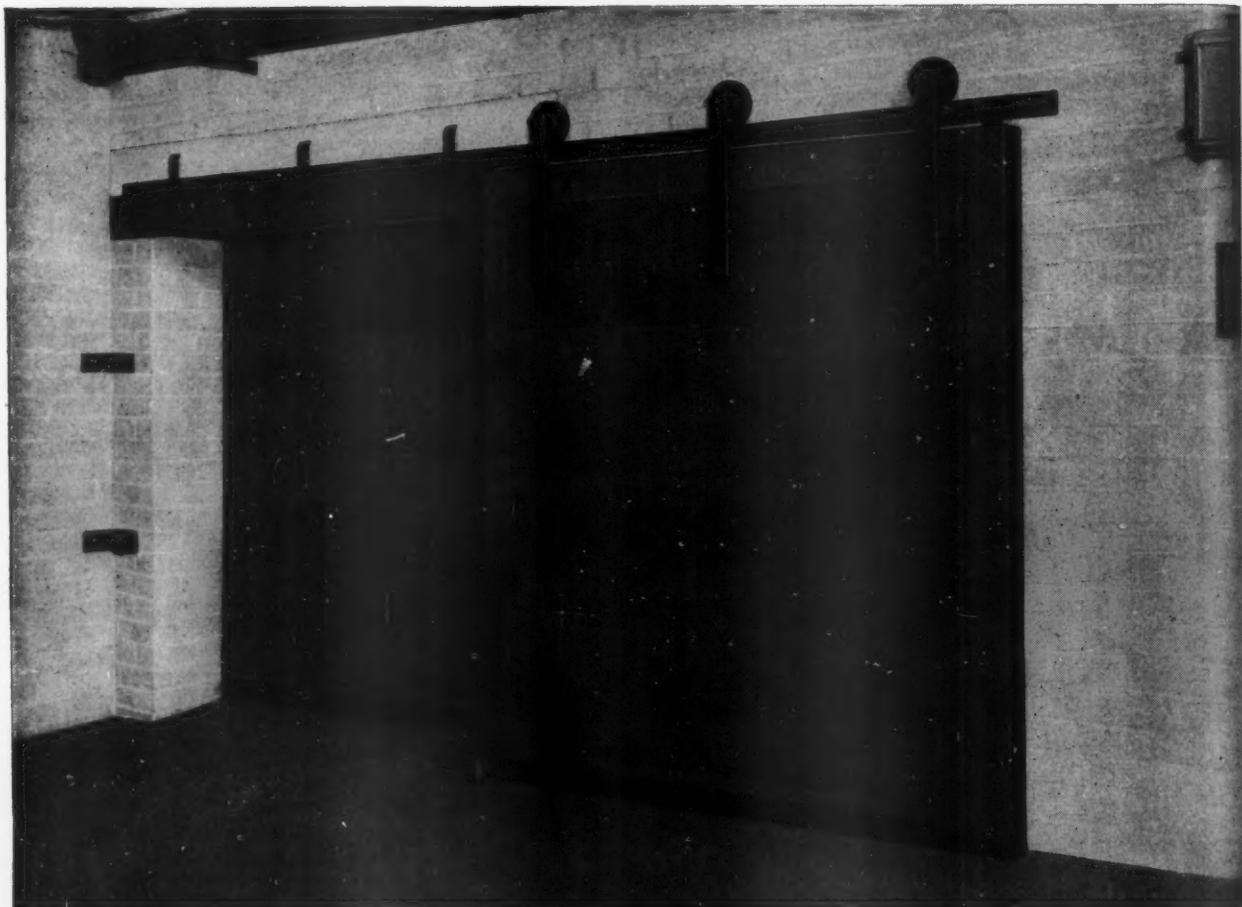
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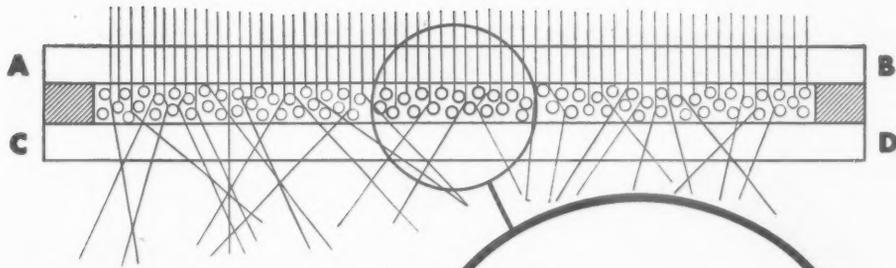
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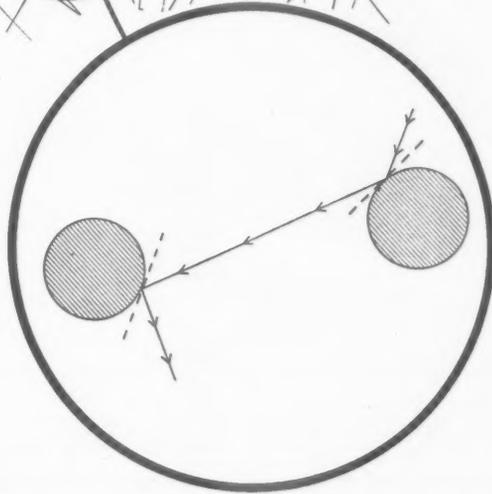
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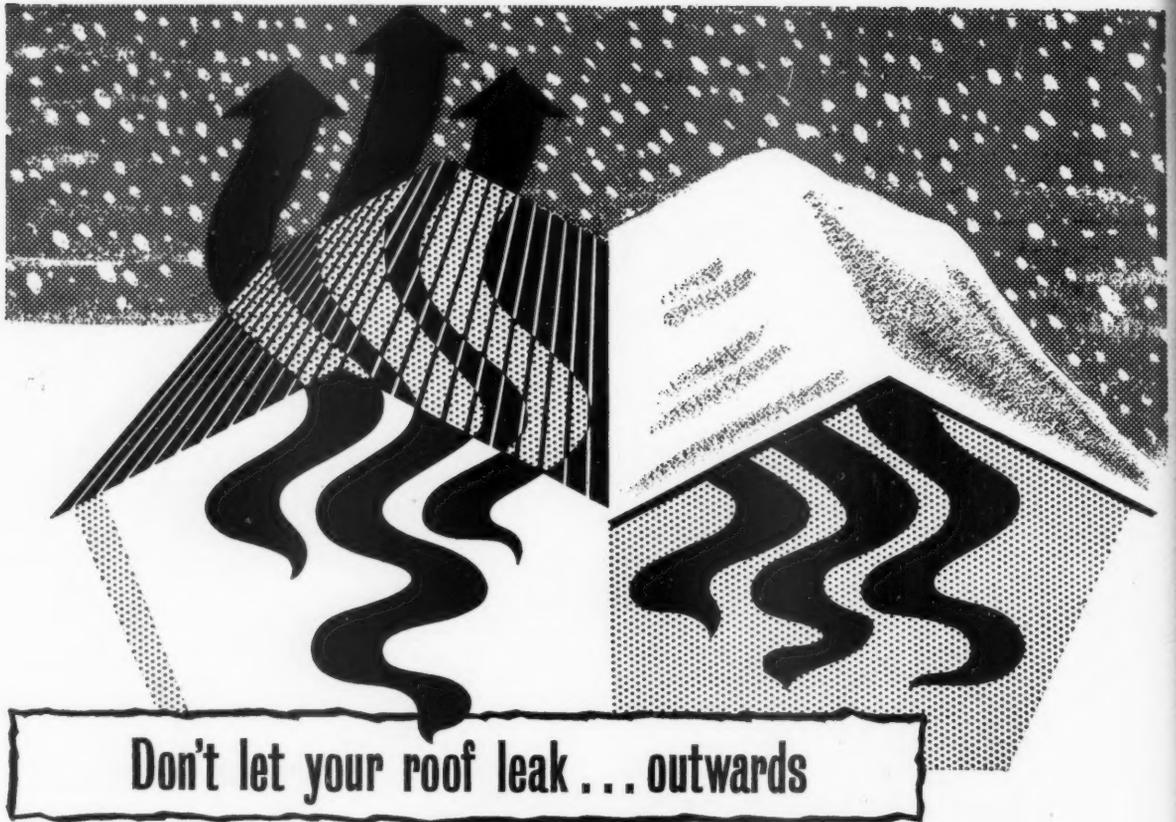
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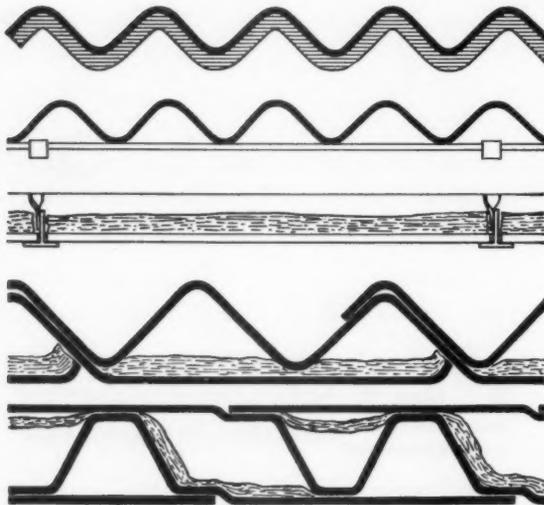
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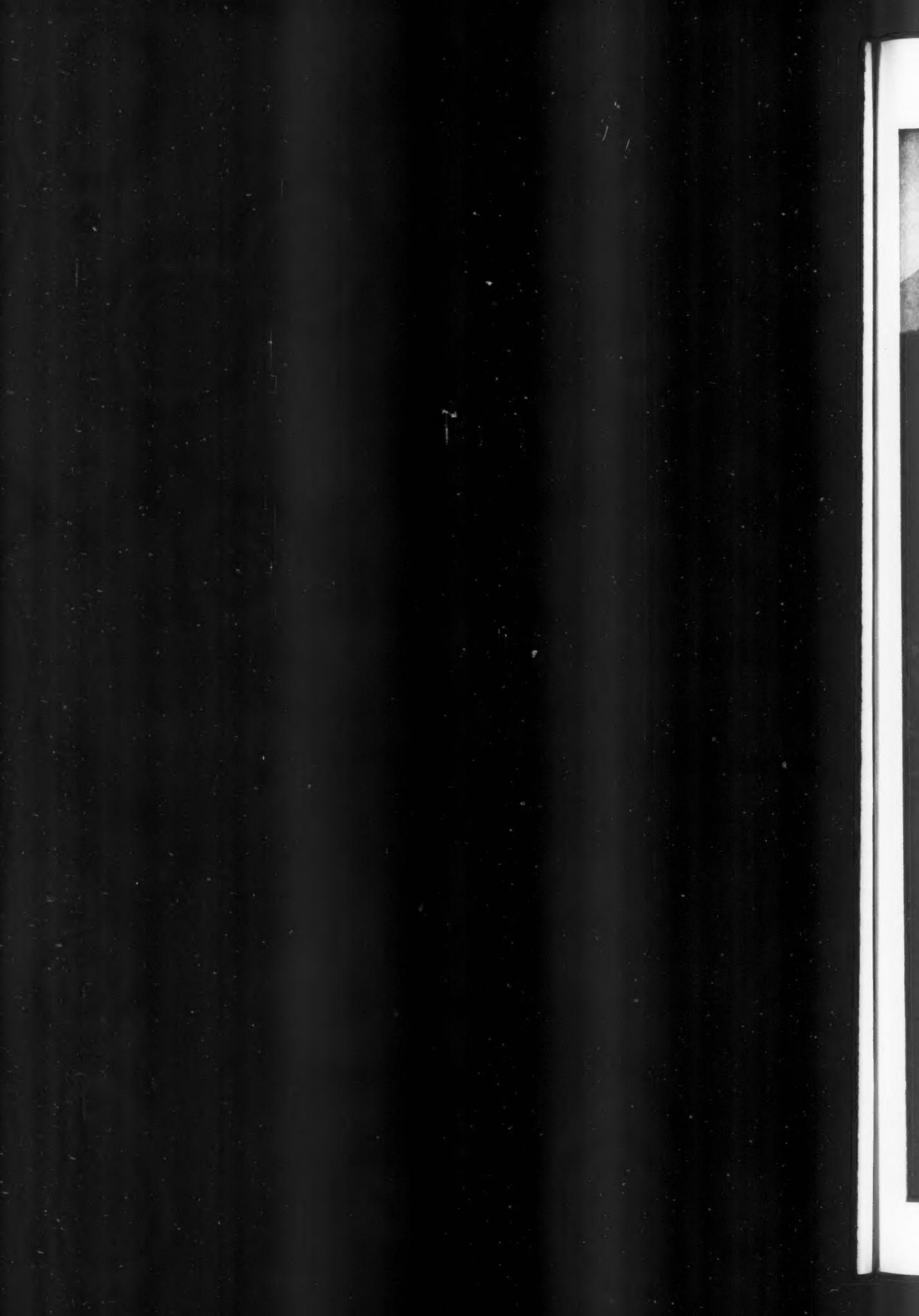


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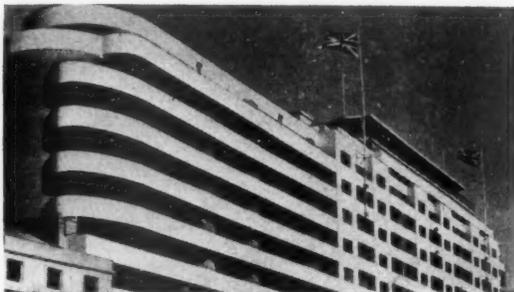
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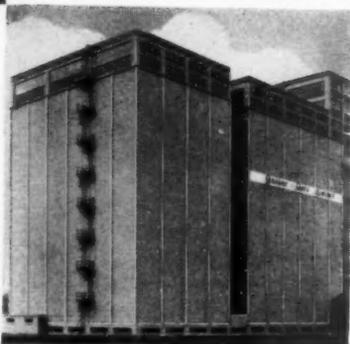


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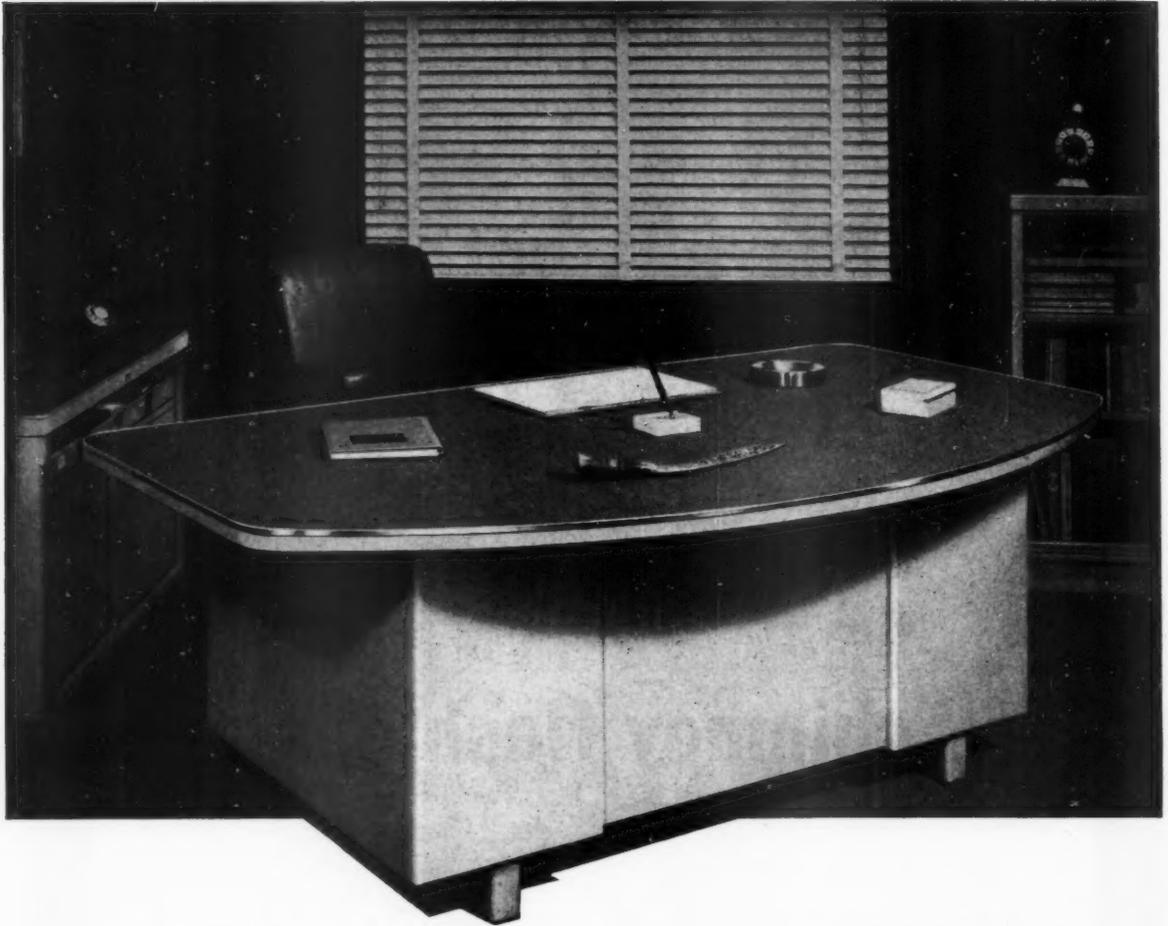
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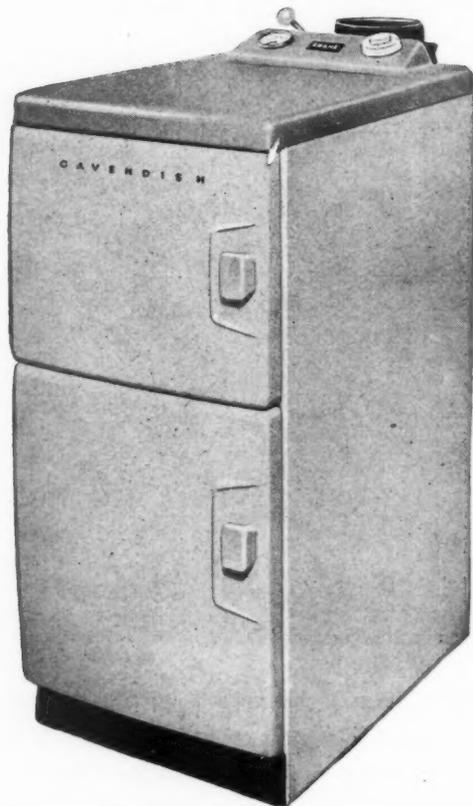
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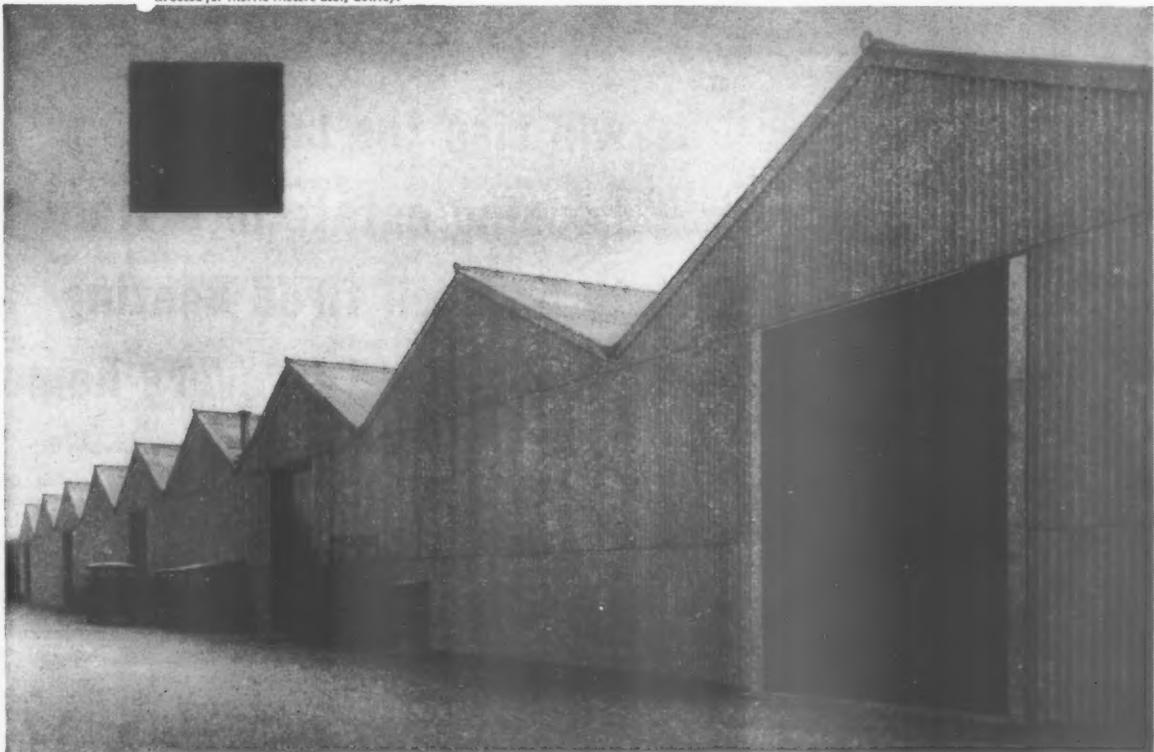
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Mr. O. G. Pearce, managing director of Pearce and Barker Ltd., on the site of the Chilterns Estate. His firm are putting up 283 houses, chalet bungalows and bungalows on this estate and each one will have its own oil fired heating system.

...will rise the largest-ever housing estate in Britain to have oil fired heating as standard in every home

THE Chilterns Estate is an open-plan estate on the edge of the green belt at the boundary between Luton and Dunstable. On the estate there will be 283 homes - each with its own oil fired heating system. All the homes will be freehold. The estate is being developed by Pearce and Barker Ltd., Luton.

Nothing to see - yet 40 houses sold in five weeks

In the words of Mr. O. G. Pearce, managing director of Pearce and Barker Ltd., "Since it was first announced, Chilterns has proved the most popular of our estates in the

Luton/Dunstable area. I think it is true to say that oil firing has done much to create this interest. All the many enquiries we had in response to our advertisements mentioned the oil firing. What's more, in the first five weeks we sold 40 houses despite the fact there was nothing up for prospective customers to look at."

Oil firing makes customers

As Mr. Pearce put it: "We went into this matter of installing oil firing very carefully indeed. We wanted to give our customers really good value - make these new houses

something rather special. We costed oil firing, found it would be an economical proposition to instal it in every home. The number of enquiries and sales has shown we were right to do so."

There's no doubt about it - oil firing makes houses more attractive, faster selling. Many companies throughout the country have found their sales rocket because of oil fired heating. More and more customers today want more than just a house - they want the latest in labour-saving homes. And firms like Pearce and Barker Ltd. are giving



TOP LEFT. Brian Taylor and his fiancée, Jean Tollafield, looking at the plans of the chalet bungalow on the Chilterns Estate they've just bought. Mr. Taylor is a good customer: he's not only bought a house himself, he's also recommended one to his parents and to his brother.

TOP RIGHT. This bungalow is typical of those that will soon be standing on the Chilterns Estate. This photograph was taken on another Pearce and Barker Ltd. estate.

LEFT. The showhouse on the Chilterns Estate was opened at Whitsun. Here Mr. Pearce is discussing it during its early stages with his site agent.

them just that. By doing so they're selling more houses.

Customer chooses house for parents - then buys one himself

Brian Taylor knows a good house when he sees one. He is, in fact, himself a partner in a firm of decorators and electrical contractors to the building trade. Mr. Taylor told us he was looking for a house for his parents. He saw the advertisements for the Chilterns Estate, and was interested. "At the time," he said, "I had no intention of buying a house for myself. But I was so impressed - particularly when I went into the question of oil fired heating - that I not only recommended these houses to my parents, I bought one myself."

Mr. Taylor gets married soon and he's looking forward to settling down in a chalet bungalow on the Chilterns Estate. Like all those who buy these houses he'll have a clean, warm, trouble-free home and his wife will have a really modern heating system - and a heating system that needs no attention and makes no work.

A postscript to the Brian Taylor story: after recommending a house to his parents and after buying one himself - he then put his brother on to the estate!

Enquiry proves public wants oil firing

A recent enquiry covering 5,000 families in the U.K. showed that what the customer looks for in today's home heating is:

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All the families who have houses on the Chilterns Estate will get their fuel supplied through the Authorised Distributors of Shell-Mex and B.P. Ltd. They'll get a good fuel fast and efficiently. With this sort of service, Pearce and Barker Ltd. know that all their customers will be satisfied.

If there's anything at all you'd like to know about oil fired heating; any particular problem you'd like solved, get in touch with:



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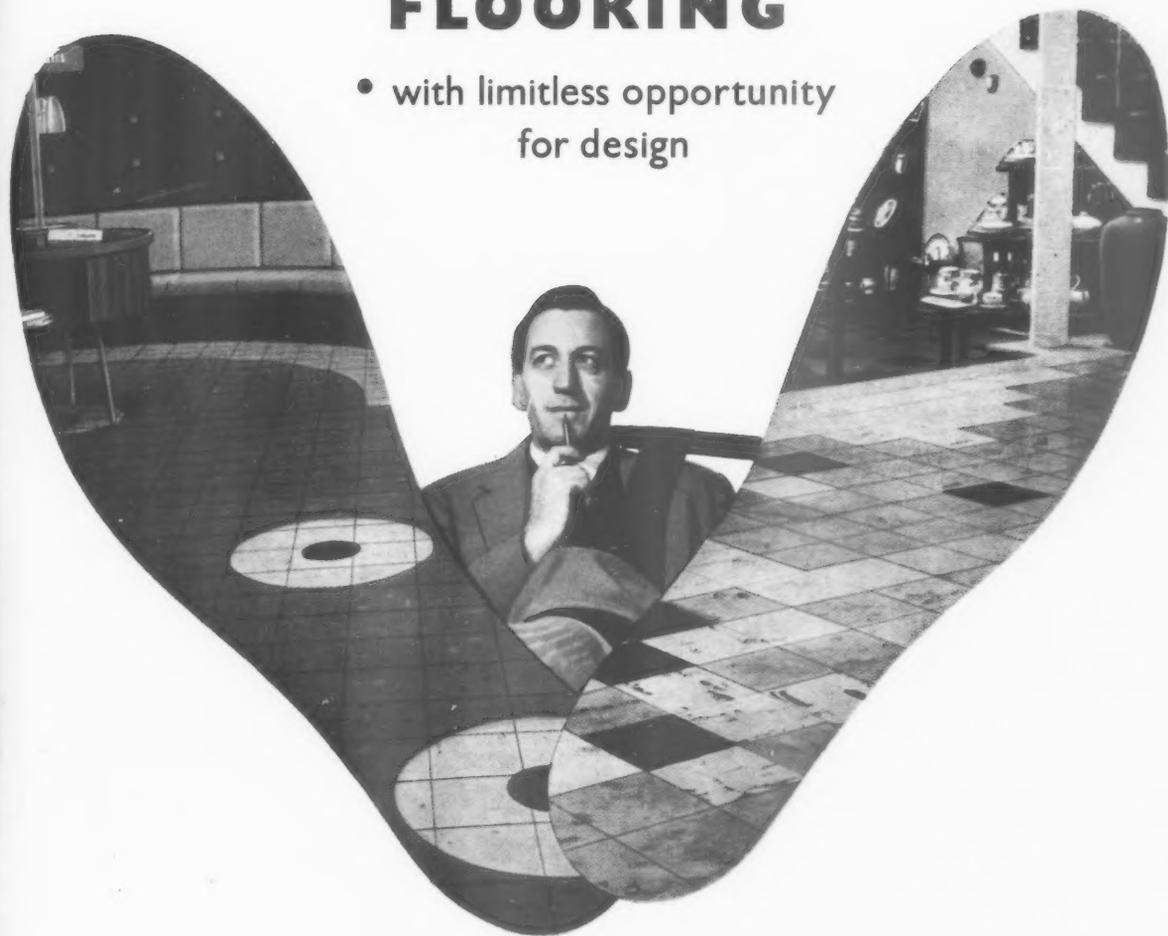
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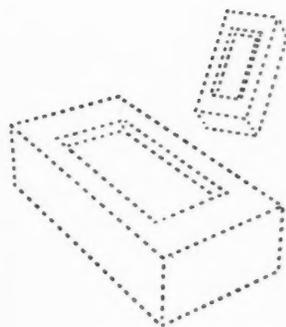
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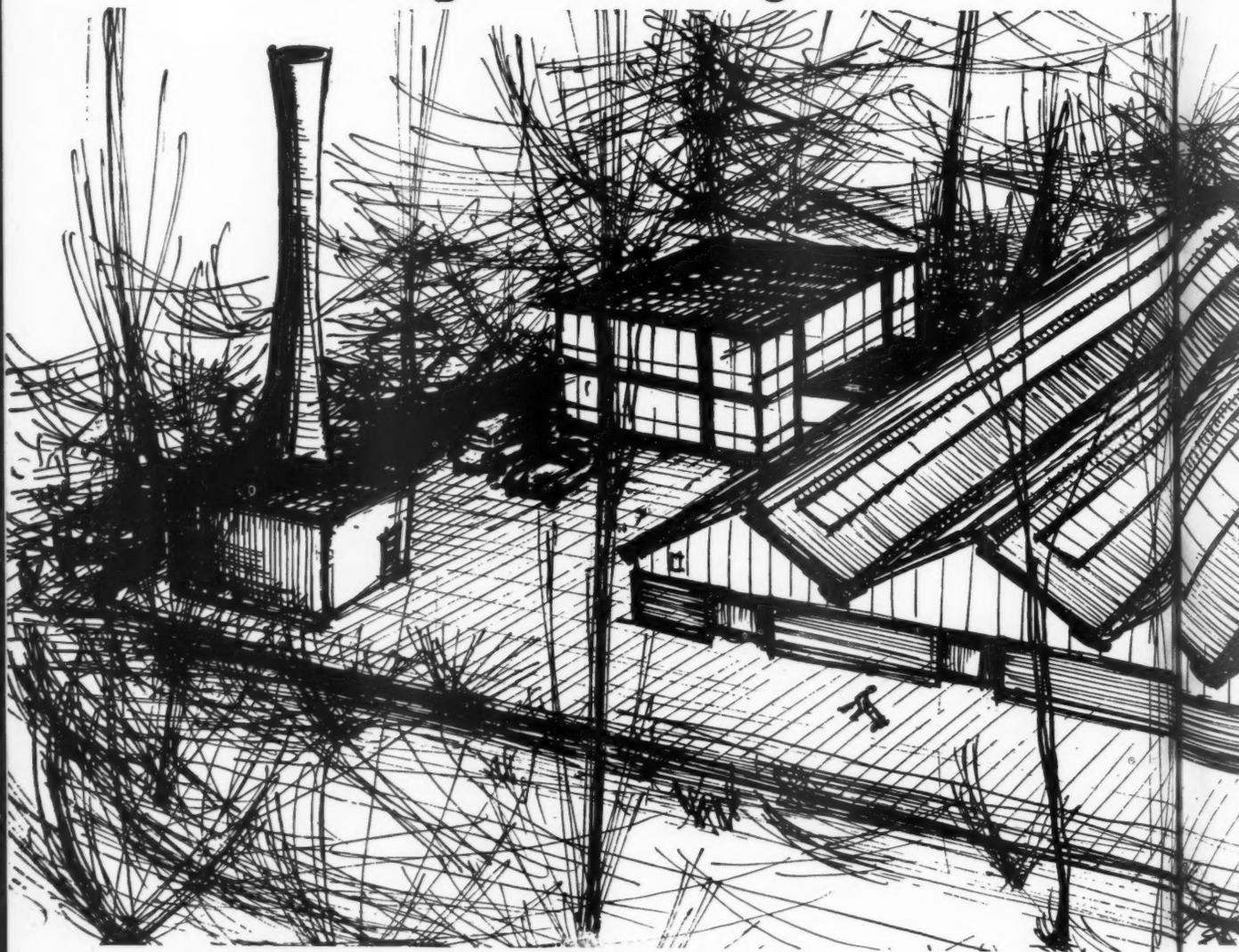
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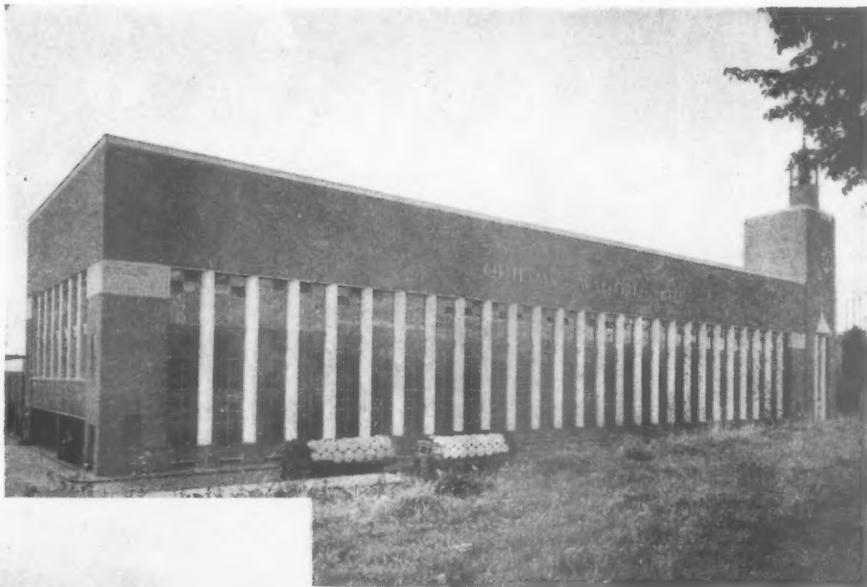


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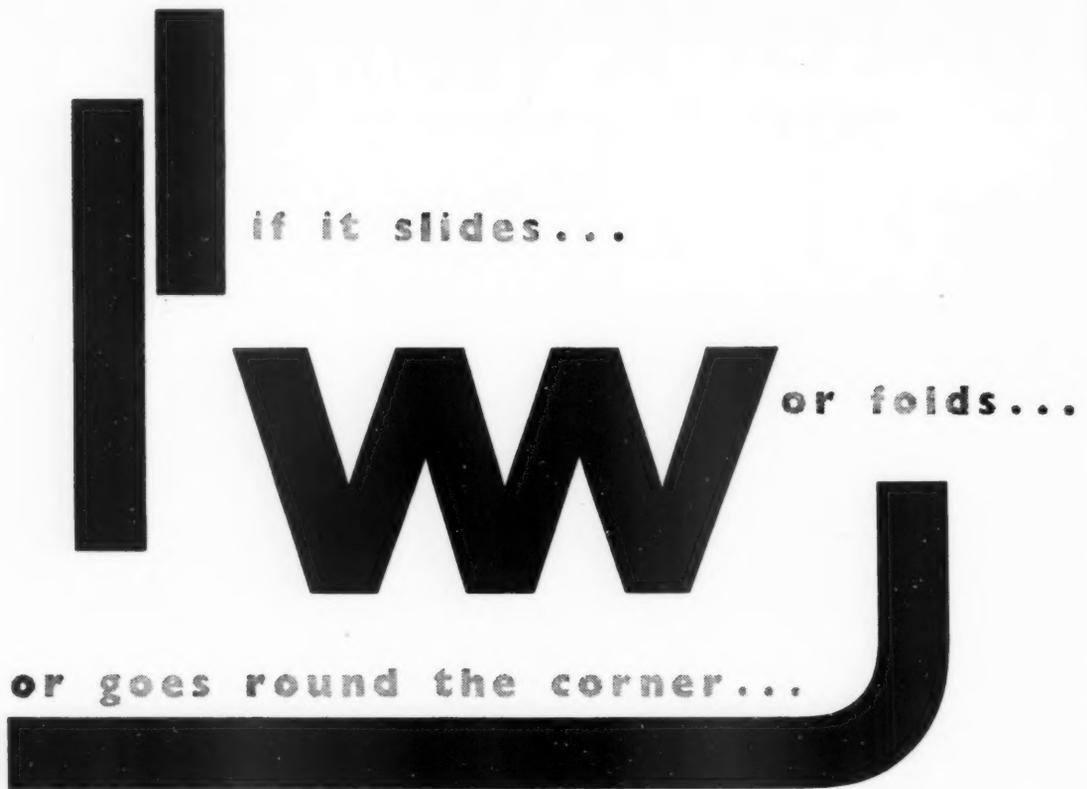
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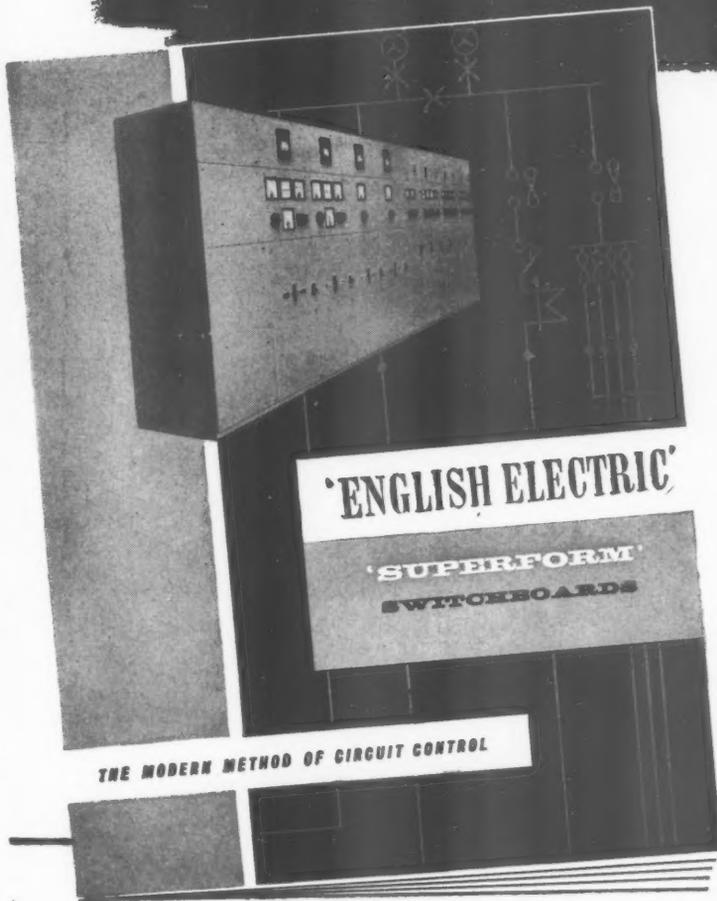
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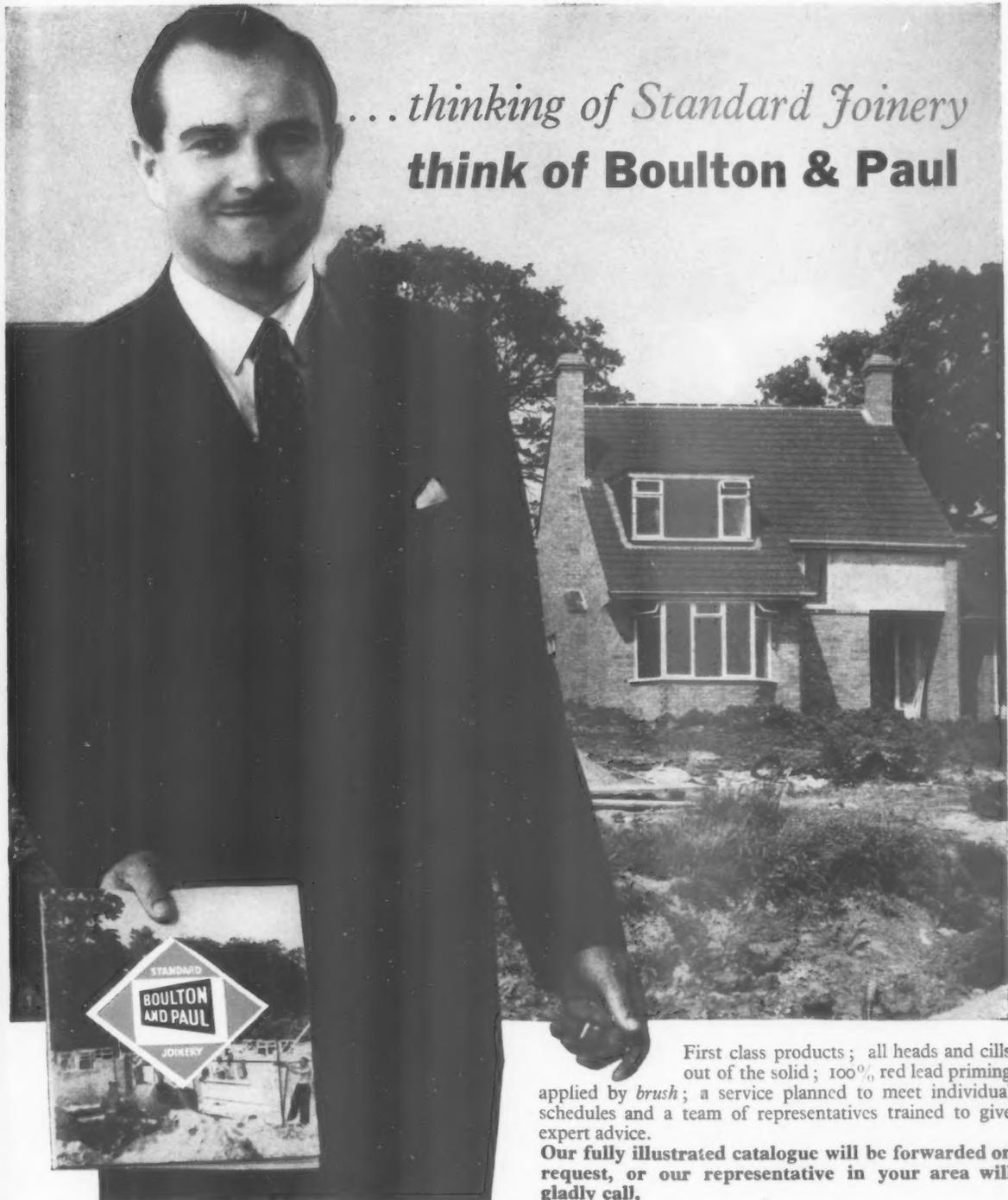
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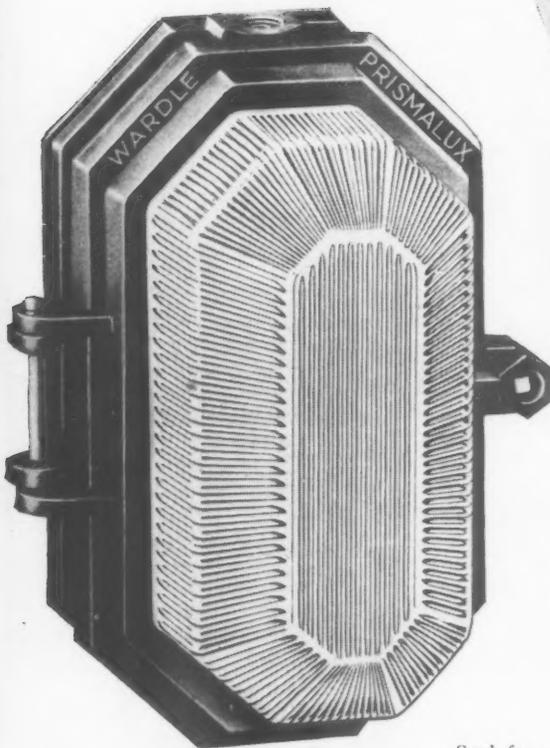
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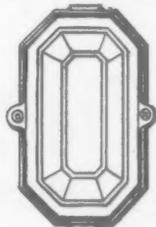
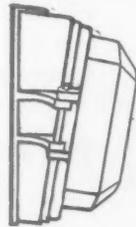
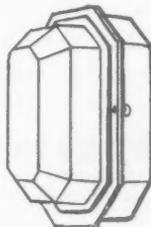
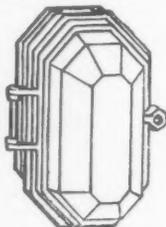
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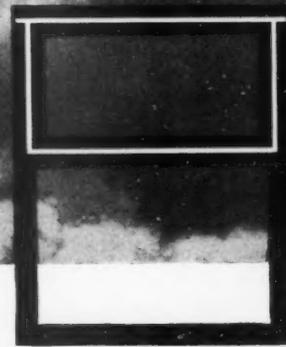
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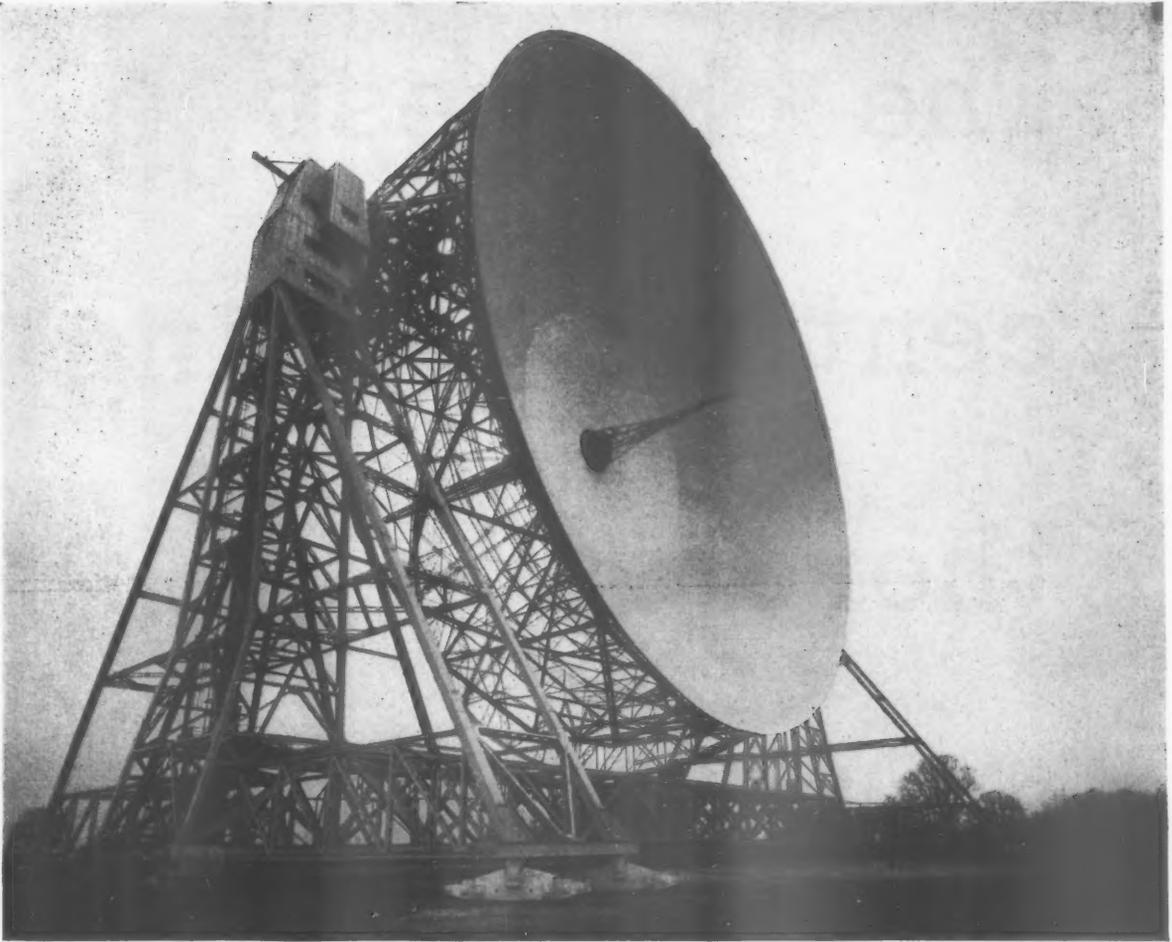


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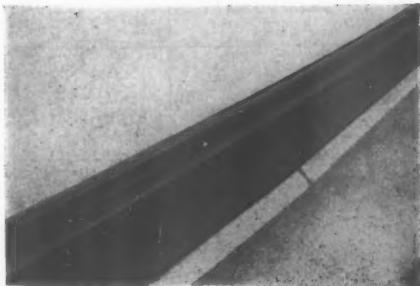
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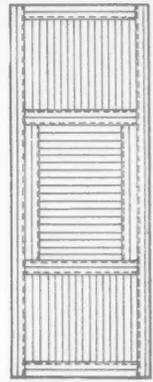
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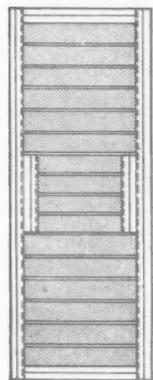
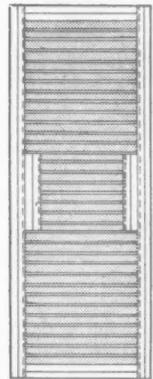
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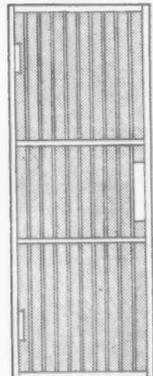


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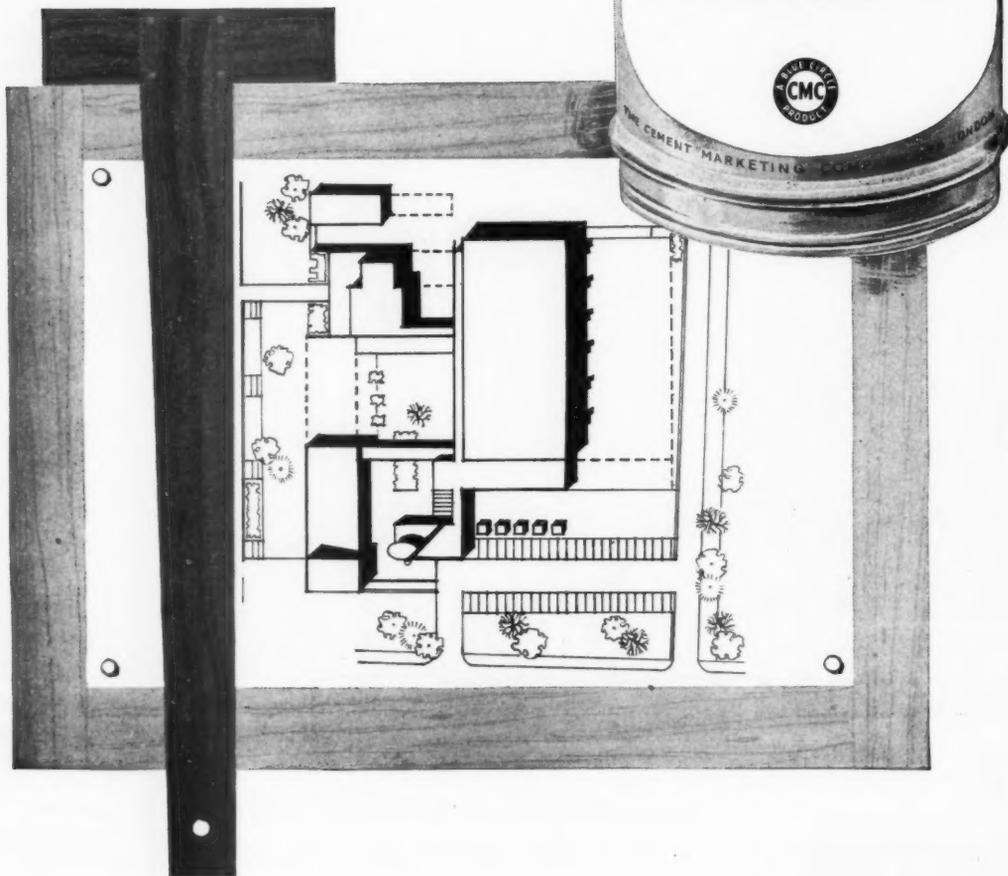
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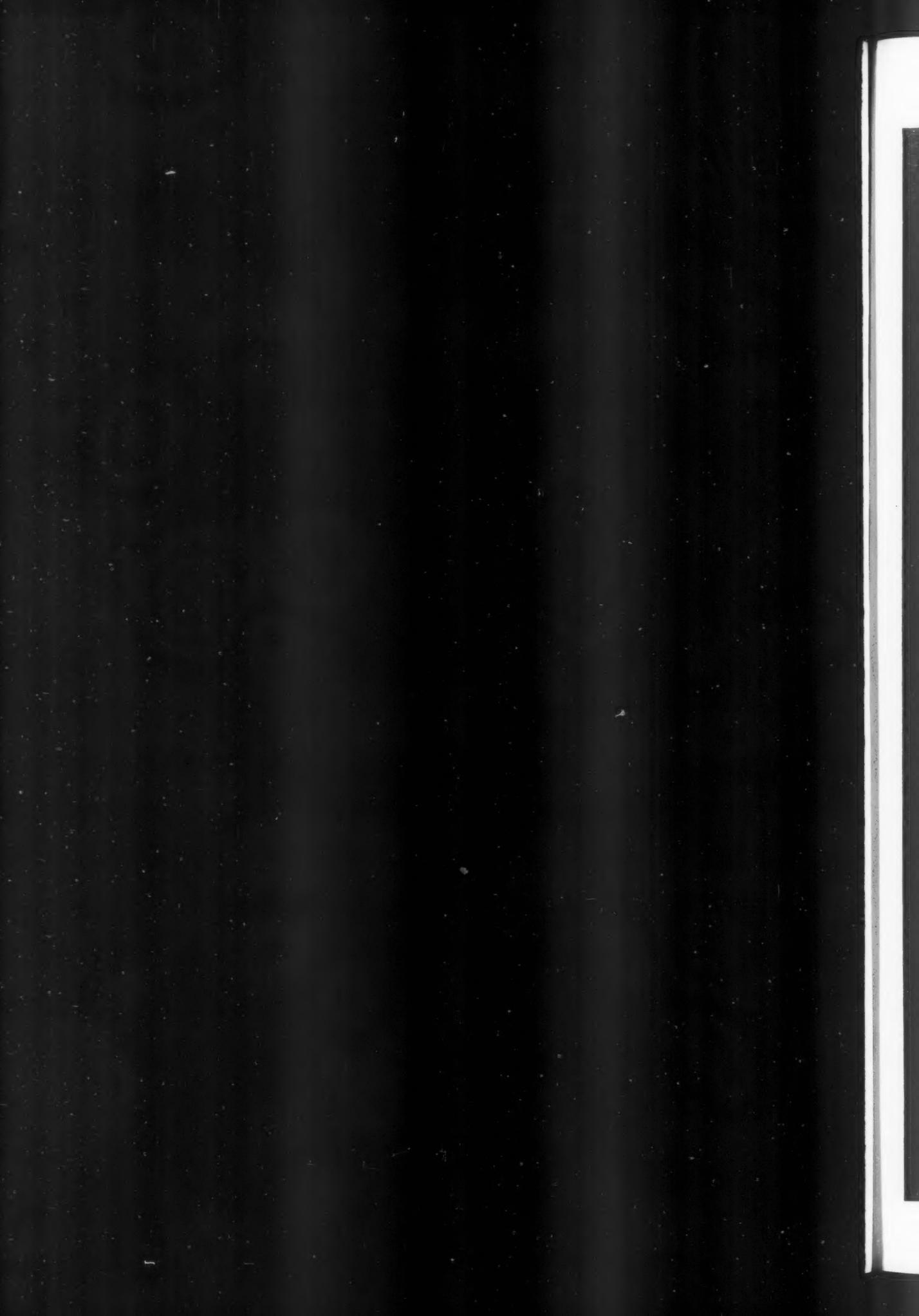
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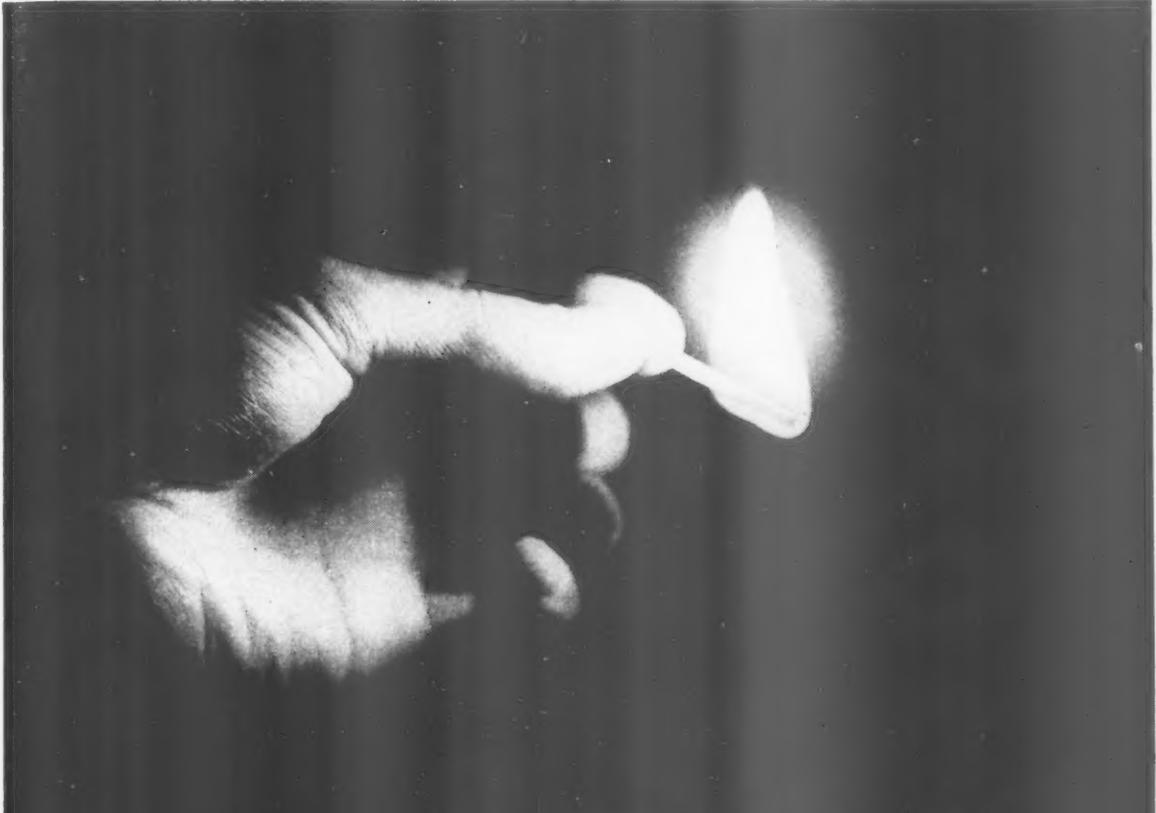
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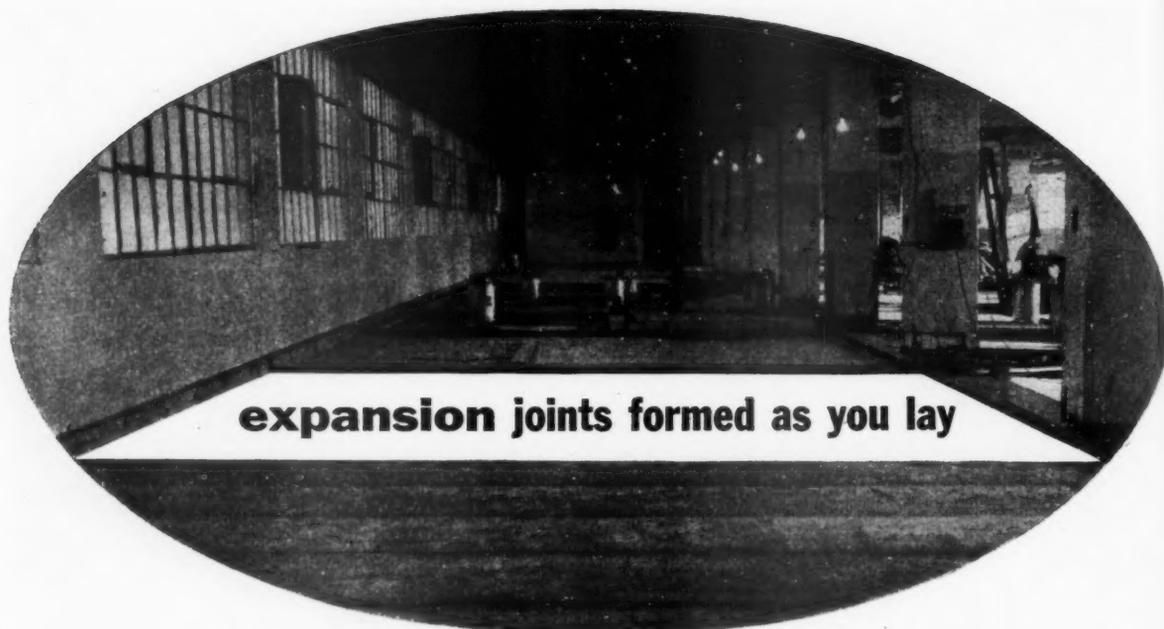
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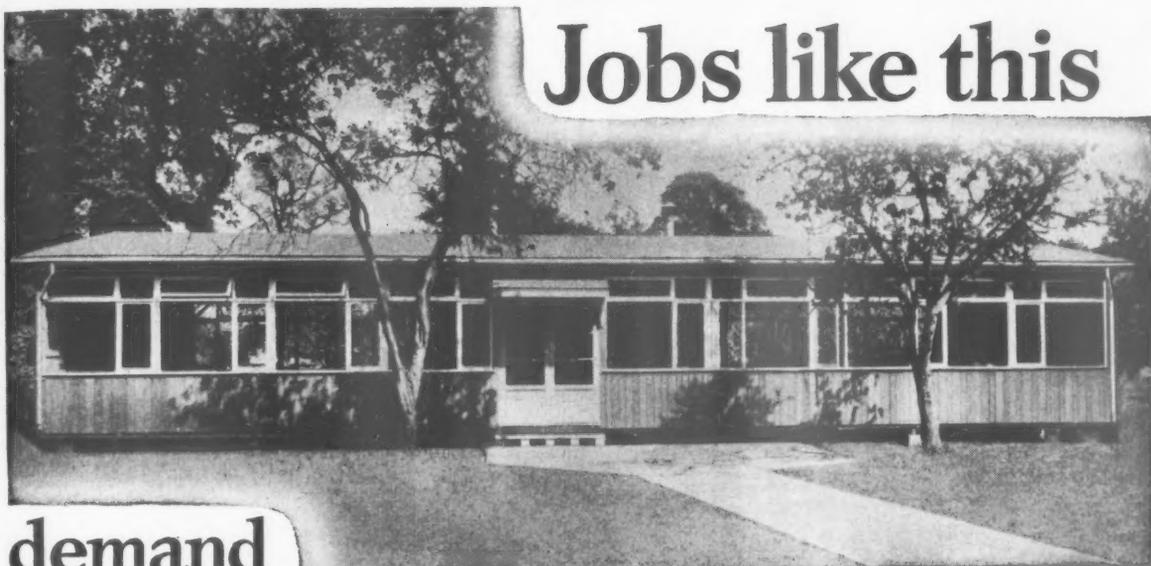
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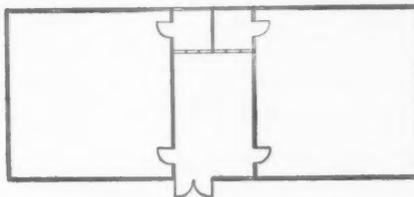
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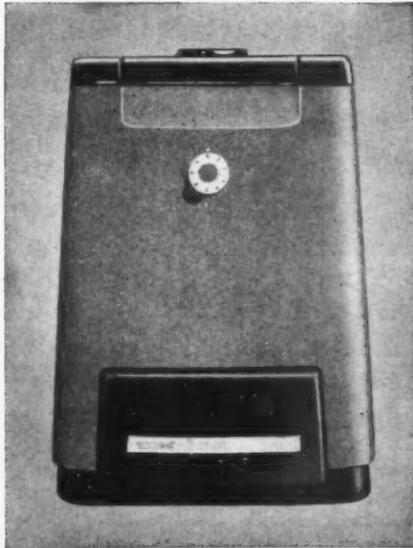
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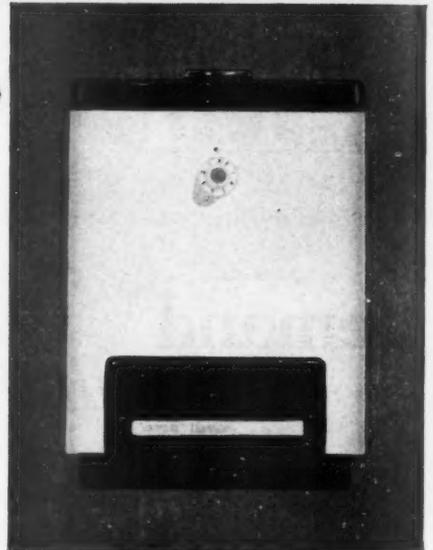
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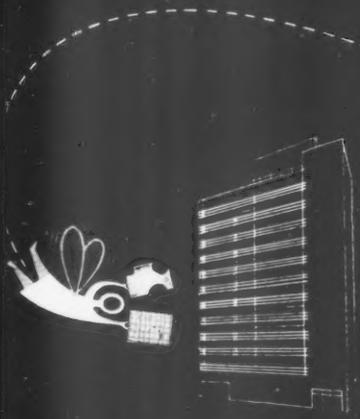
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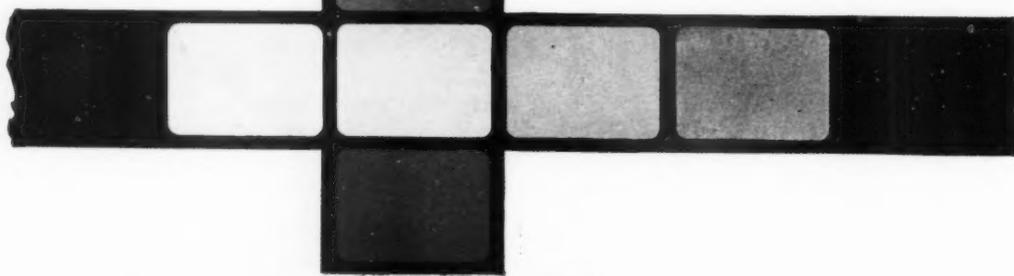


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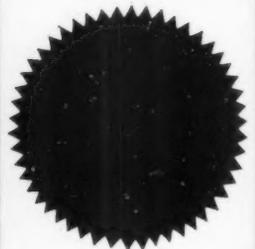
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The Architects' Journal

No. 3355 Vol. 129. June 18, 1959

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NOT QUITE ARCHITECTURE

HOPE DEFERRED

Henry Hope Reed Jr. is what Americans have instead of Sir Albert Richardson, Hugh Plommer and Raymond Erith—but don't imagine they gain anything by having it all under one hat. Mr. Reed, alas, lacks Sir Albert's antic grace, he lacks Dr. Plommer's bottomless erudition. Worse still, John Barrington Bayley, his Sancho Panza of the tee-square, lacks the sensitivity and craftsmanship that make Mr. Erith a force to reckon with.

Rarely indeed can the case for a Classical Revival have been advanced with such a resolute combination of unsuitable talents. Yet the Reed-Bayley double act has had access to the pages of some reputable magazines on art and architecture in the recent past, and now appears between stiff covers in *The Golden City*, issued by the entirely reputable publishing House of Doubleday.* According to the parcel-gilt dust jacket of the book, it is a "pictorial argument in the raging controversy over classical vs. modern," but just how you have a raging controversy when only one side is raging and the other side isn't even listening, I don't know. The dreariest aspect of the Hope-Reed campaign for classicism is the echoing indifference into which it is being trumpeted—though, to judge from some muttered hints about being "persecuted by Henry-Russell Hitchcock" he may have been quietly cut down to size by his fellow historians.

What is it about Reed and Bayley that has stirred the American public to such conspicuous apathy? Not, I think, their inherent incompetence—the planning schemes produced in *The Golden City* would have drawn a horse-laugh at the Ecole des Beaux-Arts, even in its most depraved periods. Not, again, the slanting and misrepresentation of the captions to illustrations of modern build-

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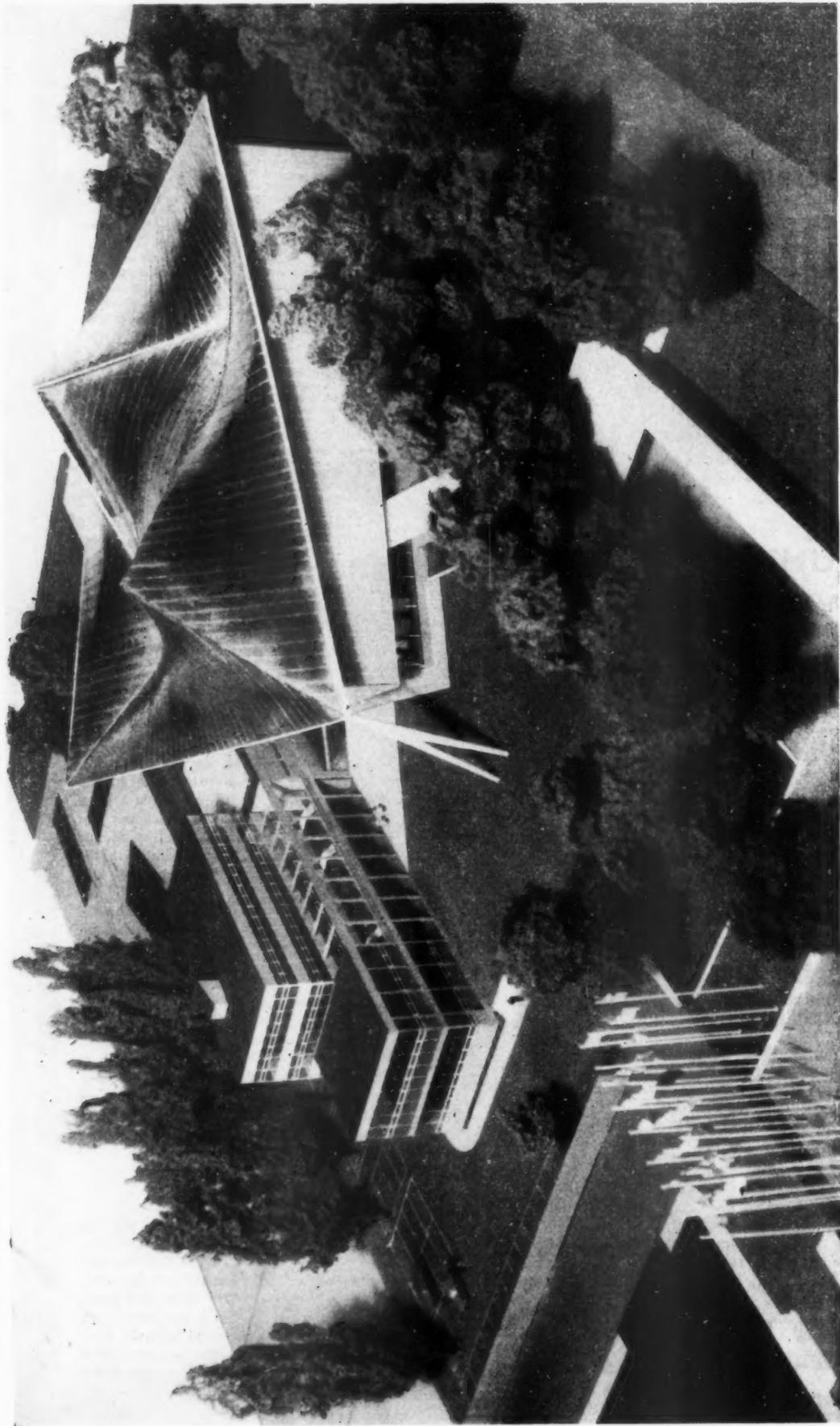
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New Commonwealth Institute in Holland Park

Matthew and Johnson-Marshall's design for the new Commonwealth Institute (above) is to replace the Colcutt building in South Kensington. It is to be built on a site in Holland Park, fronting onto High Street, Kensington. The institute is the major centre in the United Kingdom for information about the countries and dependent territories

of the Commonwealth. The building gives another example of the use of hyperbolic paraboloid roofing. In this case the roof is made up of five hyperbolic paraboloids covering an area of 190 ft. x 190 ft. Further illustrations on pages 907 and 909 together with a fuller description.

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without their consent, the fact remains that he will be occupying an important part of the architect's traditional territory and it is hard to see how conflict could be avoided. Is it to be assumed that at Glenrothes the architects are to be released from the duty of supervising? If not, what happens if the Progress Officer thinks that a piece of work has been well done and the architect doesn't agree? In other, humbler, spheres of life such an incursion would be the sign for a nationwide downing of tools. The architect, however, if he is wise, is not averse on principle to the inclusion of other professional people within the building team. Time has shown the value of the quantity surveyor in the struggle to keep control of cost: might it not likewise show the value of a "Construction Progress Officer" to help keep control of time? What is important, however, is that the inclusion of new people does not interfere with the relationship between architect and builder under the contract: and this is precisely what the Glenrothes arrangements threaten to do.



DEGILDING THE LILY

The *Sunday Times* deserve great praise for their initiative and public spirit in holding their National Gallery competition. If more newspapers and big commercial and manufacturing interests had similar concern in major planning and design problems we would be much further towards solving some of them. The current road competitions sponsored by the Roads Campaign Council and the Prestressed Concrete Development Group are similar steps in the right direction.

ASTRAGAL has only one complaint to make, strangely enough, and that is the extremely poor presentation of the winner's design in perspective sketches by Dennis Flanders. It would surely have been simpler to have asked competitors to submit their own sketches. Flanders' two drawings were extremely crudely done and looked a very rushed job . . . which is an odd aspect of the *Sunday Times* competition. For reasons only the Editor must know, they rushed the results into print with very inadequate arrangements for the publicity the venture deserved.

*

One interesting point: the assessors produced a very full report. Not full enough by ASTRAGAL's standards, but much better than most. However, assessors are advised by the RIBA not to make reports. The *Sunday Times* would have been very short of publishable matter if the assessors had followed RIBA advice.

SECRET ACT (OFFICIAL)

I see that AA President Jim Cadbury-Brown defends the AA Council over the JOURNAL Editors' charge that it is secretive. Without spending days thumbing through long-lost copies of the *AA Journal* it is hard to recall how many important matters have been reported to the membership and how many not (the Council doesn't publish its minutes, so no-one off the Council knows what it has discussed anyway).

It will, however, to take a little item, probably come as a surprise to many members to discover that a portion of the AA's premises is being enlarged. An extra storey is being added to the Morwell Street studios. It doesn't affect the Bedford Square aspect, of course, though it will probably overshadow Ching's Yard and the back members' rooms. Has the proposed design been published? Was a competition for students and members to design the extra accommodation considered? Are the members to be confronted with a *fait accompli*? It seems so.

GOOD OLD DAYS

The *Town Planning Review* for April reprints fascinating selections from articles published between 1909 and 1959 to mark the 50th anniversary of the Liverpool University Department of Civic Design. Lord Woolton, long thought of as a big business mogul, a political organizer or a beneficent Food Minister, reappears with a topical article on the sociological aspects of planning, written in 1910, that touches on the centrifugal effects of the motor car. Patrick Abercrombie was crying for a unified plan for Greater London in 1912, while Raymond Unwin's examination of town planning and land values in 1914 raises problems that recent legislation seems to have aggravated.

*

Today, of course, much of the emphasis has changed, and new problems have arisen. But we have still quite a lot to learn from the town planners of 50 years ago.

95, NOT OUT

ASTRAGAL sends his greetings to Sir Ninian Comper, who was 95 last week. Sir Ninian, who continues to practise, is the only architect to have carried on the tradition of Bodley (to whom he was articulated), Street and Pearson in a creative and youthful way. His development of the church plan has been consistently guided by a feeling for the real requirements of the church, irrespective of stylistic influences; his church of St. Philip, Cosham, is an object-lesson in modern church planning.

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His sense of purpose may best be described in his own words: "There will be no wholesomeness for architecture till, abandoning all this talk about self-expression and the expression of the age, we settle down again to real work and the concentration of all our time and energies, and especially of all our time, on meeting our real needs by beauty of proportion and detail in whatever style we build. No one expresses the age better than the engineer who designs an aeroplane, and no one is further from any set intention of doing so. His sole pre-occupation is to make it fly."

*

Sir Ninian has always been an opponent of professionalism; he is not a member of the RIBA, nor is he "registered."

"FIFTY YEARS LATE"

Maurice Rotival (the planning consultant who practises in New York, lectures at Yale, and has done a lot of work in Caracas) says in the first issue of *Plans and Projects*, the first US planning journal: "We are fifty years in advance, in means at our disposal; we are fifty years late in thinking." This is probably one of the reasons why there has not been a planning journal in the US before. But the lack of any medium for the exchange of ideas on planning must also be one of the reasons for the US thinking lagging so far behind its material advance.

*

The new journal, which has an American brightness foreign to our own planning periodicals, should also help to keep us in touch with American developments. It is to be published bi-monthly, it appears to be free (although obviously not paid for entirely by advertisements) and its address is 1186, Broadway, New York, 1. Its name, which conflicts with another title, will have to be changed, however.

HEART AND HAND

It is delightful to find such a commanding exhibition as Elizabeth Frink's show at the Waddington Gallery (until June 25), mainly of bronze birds and beasts. They are admirable for their *monumentality*, the power to convey largeness whatever the actual size of the object, *c.f.* Bewick; for their *tension* and springiness; for the *balance* of their emphatic masses, often un-



A recent photograph of Sir Ninian Comper who was 95 last week. See "95, not out."

symmetrical and owing little to direct representation.

*

In short, these grand creatures are plastic in just the same sense as, say, early cave drawings; perhaps even much the same in feeling as in observation. That they do not depart entirely from the animal world adds the sense of muscular energy contained, frequent enough in drawing but rare in sculpture. The bunched muscles, the wing feathers, are shapes first but do not scorn anatomical reference.

*

The human figures suggest other masters, Manzu for instance in the

reclining male nude. Yet it is entirely right not only that the artist should search around, within herself, for alternative modes of expression but that they also should be exhibited and bought. Elizabeth Frink is still under 30 and anything she sets her hand to will be interesting at the least. What she sets her heart on will be splendid.

WITHOUT COMMENT

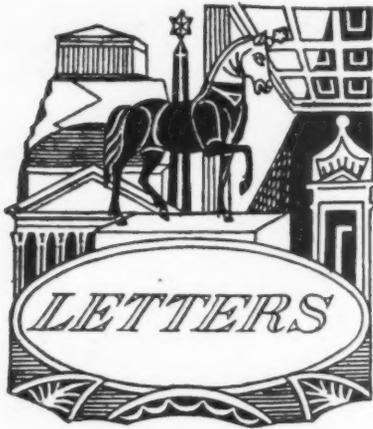
I cull the following from an article by John Marshall, in the *London Evening News*, advising his readers to obtain housing improvement grants:

First of all, ask an architect, builder or plumber to draw up plans.

ASTRAGAL

THE PRINTING DISPUTE

We regret that owing to the printing dispute this number of the JOURNAL has had to be reduced in size, and readers may receive their copies late. Unfortunately it seems likely that there may be a total stoppage in the printing trade in the immediate future in which case neither the JOURNAL nor most other papers affected will appear until a settlement is reached.—
THE EDITORS.



John Eastwick-Field, A.R.I.B.A.

Derek Stollar, A.R.I.B.A.
and Francis Baden-Powell,
Student R.I.B.A.

H. T. Cadbury-Brown, F.R.I.B.A.

Stanley Hamp, F.R.I.B.A.

James Nisbet, F.R.I.C.S.,
Chief Quantity Surveyor, War Office

H. M. Watson,
Worcestershire Planning Officer

AA and the College

SIR: I feel it would be wrong to let ASTRAGAL's comments (AJ, May 28) about the proposal that the Architectural Association should become part of an LCC-controlled College of Architecture and Building pass unanswered.

He would have it thought that in turning down the particular proposals the majority of the Council is quite out of touch with the membership, but I suspect that—for all his glibness—he may well have made another of those "fantastic errors of fact or judgment" which Graham Dawbarn has referred to in answer to earlier comments in the AJ about the proposed college.

ASTRAGAL assumes that because the students represented at the meeting on May 25 quite reasonably asked for more information and for a committee to "consider the future of the AA, and the type of education necessary to produce the architects we ought to be"; and because one vocal section of the membership gave it as their opinion that the AA School was financially, intellectually and politically an anachronism, it necessarily follows that the majority of the membership believe that the school's only salvation is to be taken here and now under the control of a Local Authority; or that they would be satisfied in those circumstances with the fate of the Association itself.

It must be inferred from what ASTRAGAL says that the membership has made up its mind on the issues under discussion; but this credits them with very little intelli-

gence, for they can hardly have done so without being given any of the facts. That they have not been given them is a legitimate cause for complaint, but it should be remembered that it has been the LCC and the Ministry of Education who have felt unable to allow any information to be imparted, despite protestations from the Council. Even the AA President's request to be allowed to give a meeting of members a verbal account of the negotiations was refused.

My own feeling is that a great many members and students believe that architectural education needs improvement and that so-called "integration" may be one step towards it: but I also believe that if they had been in a position to make a decision they would have shared the mis-giving expressed by the majority of the Council at its meeting last month about the means so far suggested for achieving it.

It seems possible that the AA could serve the cause of architectural education at least as well (and preserve the principles it has always stood for) by giving more thought to the right form of education rather than abandoning itself to the first offer of "integration" that comes, just because the body that offers it, the LCC, has the money to put it into effect at once: to put it into effect, however, without a course in town planning, without reference to a number of facilities in which the students express particular interest, and without, apparently, much consideration of what "integration" means, or of its implications.

These are matters which I would have thought worthwhile studying—even if one feels "integration" to be inevitable—before the Association were committed to the sort of proposals that were before the Council.

I believe that these sentiments are shared by many members and students. What they are angered about is not having had any opportunity of discussing the issues openly all this time—and the reason for that has already been given.

I hope that in pursuing their particular line in this affair the Editors of the AJ will maintain a sense of proportion and show the degree of responsibility which they accuse others of failing to have.

JOHN EASTWICK-FIELD

London

SIR: At the informal meeting held at the AA on May 25 to discuss the Association's future, the current bogey of Technology appeared. It was suggested that the best way of rationalizing the building industry, and thereby laying this spectre, is the absorption of the AA into a new LCC-controlled technical college which would house all the branches of the industry and the allied professions, under one roof. This proposal appeared to confuse building managers (for whom such a college seems ideal) with architects. "Integrated Training" is becoming a convenient slogan which conceals the necessity for fundamental thought.

The function of the architect in the building process is twofold: to design, that is to produce forms expressive of the aspirations of our civilization; and to practise such

skills as are needed to carry out his designs. The proposed college could be one way of improving the teaching of technical skill; but the architect needs more than this. He must develop and learn to discipline his imaginative powers and apply them to our changing social and cultural environment. This implies close contact with practising architects, artists, town planners, sociologists, philosophers and creative thinkers. Although the AA is no longer the only school at which we may learn to produce "modern" architecture, it is still the only school not controlled by the Establishment. This unique situation provides the best basis we have seen in this country for the development of a training-ground for creative designers. It would be madness to exchange the possibility of a creative future for the security of bureaucratic benevolence.

DEREK STOLLAR

FRANCIS BADEN-POWELL

London

SIR: In the rough and tumble of architecture encouraged by your journal all views can be constructive if a reasonable regard for truth is observed. In your last editorial, however, there are points which need absolute refutation.

The officers of the Council are not a self-perpetuating clique outside a system of ballot, as any examination of the standing orders or the *AA Journal* would disclose. The Council is not secretive and mysterious (in the case in question secrecy was specifically requested by the other parties concerned) and it is as intensely and actively interested in the life of the AA, both now and in the future, as anyone else.

H. T. CADBURY-BROWN

London

The Editors reply: We stated that the AA Council officers were largely self-perpetuating, and "not directly voted for by the members." The AA constitution is such that it is likely that the popularity of Council nominations for the offices of president, vice-presidents, secretary and treasurer will not have been tested by the votes of the membership for a period of up to six years. We cannot but disagree with Mr. Cadbury-Brown on the question of secrecy. The principle of integrated training could have been thrashed out with the membership years ago, before relationships with the LCC had become so delicate.

SIR: In reply to Grahame Dawbarn's excellent letter I feel I must, as one of the senior members of the AA Advisory Council, state a few facts.

It was a wise move that each member of the Advisory Council should receive a report explaining the Council's policy on the present occasion. It was a long report from the President and seemed to me to require modification. Unfortunately the Advisory Council had no opportunity of meeting together for the careful study of this report. I have received a copy of the minutes of the last meeting of the Advisory Council and the AA Council: it would appear that each member of the Advisory Council who



TPI

Spring Meeting

While SPUR and the RIBA were considering the problems of urban renewal, the members of the Town Planning Institute at their Spring Meeting at Southport were discussing problems of a rather different kind.

The subjects dealt with at this meeting included coastal preservation and development, the visual and other effects of services under and over ground, the future of public transport and the Lake District National Park. Urban renewal appeared as an incidental topic rather than a principal theme. Although not directed towards those aspects of planning that are most in the public eye, a number of important suggestions were made. For example, James Adams, the County Planning Officer of Kent, in his paper "Is Our Coastline Ripe for Development?" called for a firm policy of conservation for the coastal zone of Britain. Today this vital area is under considerable pressure from developers of various kinds—industry, atomic power, holiday and residential development. Our coastline is a national but a wasting asset and the amount of land suitable or even capable of use in this way is limited. In his view we have now reached the point where we should seriously consider having an almost complete ban on any further extensions to coastal development which cannot claim national or public justification.

On the following day J. D. C. Churchill Assistant Secretary to the London Transport Executive, tilted mildly at the planners for failing to take proper account of the potentialities or the needs of public transport when preparing their plans. In his survey of "The Future of Public Transport in Town and Country" he refuted the suggestion that public transport has no future. Even when the full effects of the private motor vehicle are taken into account, public transport will still have a vital—if restricted—part to play. It is clear that present trends are against public transport. In rural areas both road and rail services are being forced to contract and this is having a severe

JOURNAL of May 21, 1959, and the response has been most encouraging. It is hoped to publish advertisements for the other grades in the near future, but quantity surveyors who are interested in these posts may write to me direct for further information.

JAMES NISBET
Chief Quantity Surveyor, War Office

Urban Renewal

SIR: It is good news that the Minister of Housing and Local Government is proclaiming the need to concentrate on urban renewal and comprehensive development.

The exhibitions by Spur and the Liverpool School will arouse fresh public interest and we all hope with ASTRAGAL that they will lead to action as well as theorising. To achieve this I suggest that greater emphasis needs to be placed on two matters which may well determine the design of redevelopment, viz:

1. The town planning powers available and how best to use them.
2. The peculiar problems of local government finance.

These matters need careful thought in dealing with problems of redevelopment in the smaller provincial towns where urban renewal is often no less necessary than in the great cities. Those who are mainly interested in questions of design of redevelopment would be well advised to give more thought to the very complicated problems of how to promote urban renewal in the smaller towns having regard to the present local government structure, and the difficult situation which has been created by the withdrawal of planning grants for comprehensive redevelopment. I hope it will not be the case that "talk of urban renewal will be pie in the sky" until the present policy of the Government is reversed, but if so, there is all the more reason for planning authorities to go forward with their proposals before the present system of block grants is perpetuated.

H. M. WATSON
Worcestershire County Planning Officer

DIARY

Architects' Christian Union Reception. In the Henry Jarvis Hall of the RIBA, 66, Portland Place, W.1. 7 p.m.—8.30 p.m.

JUNE 18

1959 Diploma Exhibition of the Stained Glass Department—Royal College of Art. At 23, Cromwell Road, S.W.7. 10 a.m.—5.30 p.m.

JUNE 22-26

Opening of Exhibition "Communication and Persuasion," and Presentation of Diplomas. LCC Central School of Arts and Crafts, Southampton Row, W.C.1.

JUNE 23

The Effect of Farm Size on Systems of Farming and Efficient Agricultural Production. Talk by Dr. H. G. Sanders at the AGM of the Town Planning Institute, Livingstone Hall, Broadway, S.W.1. 6 p.m.

JUNE 24

attended expressed his views individually, there was no co-ordination of Advisory Council's views with the result that it was of little value.

It is my opinion that the procedure of the AA Council is the main reason for the present deadlock. Unless a more realistic attitude is adopted a great opportunity for a further advance in architectural education will be lost: this would be regretted by all. I believe the idea of a College of Architecture and Building would prove of great value to the building industry as a whole. It must surely be realized now that the various branches of the industry in respect of professional advice should be recognized in a successful building on its completion, but remembering always that the architect's position must be the primary solution of the problem and its aesthetic qualities. At the present time to me this would be the right approach.

I have latterly consistently declined to attend the meetings of the AA Council with the Advisory Council after giving the reason for doing so.

STANLEY HAMP

Gloucestershire

War Office Appointments

SIR: As a result of the report appearing in the JOURNAL for April 16 concerning the formation of the new Works Directorate of the War Office, I have received a number of applications for appointments, including one from as far afield as Nairobi. In view of the interest which this report appears to have aroused and the number of applications which I have received, it might be useful for your readers to know the present position.

The interim establishment for quantity surveyors in the Works Directorate at Chessington, including a small number for detached duty in the Far East, is 78 quantity surveyors of all grades. At the moment, 29 appointments are either filled or have been offered to applicants. The appointments still remaining unfilled, with the appropriate salary ranges, are as follows:

	Salary range from
1 Deputy Quantity Surveyor (Development)	£2,400 to £2,700
5 Senior Grades ...	£1,840 to £1,120
11 Main Grades ...	£1,325 to £1,780
12 Basic Grades ...	£830 to £1,300
20 Junior Takers-off and Workers-up ...	£200 (at age 16) to £900

(The above ranges include London weighting.)

On May 28 and June 4, interviews were held to select a further number of quantity surveyors, but several vacancies still remain unfilled.

The post for the Deputy Quantity Surveyor (Development) is an established post and will be advertised in about three months time. An advertisement for the Junior Takers-off and Workers-up appeared in the

social and economic effect on rural life. In towns and cities public transport by road is contracting more than rail, and in town and country alike operators are faced with uneconomic routes, reduced services and falling receipts. Private transport on the other hand is expanding everywhere.

Mr. Churchill had a number of remedies for this state of affairs. In towns he thought the first objective should be to put public transport on an equal footing to compete with the private car, enforcing fully economic parking charges to prevent a small privileged minority from misusing the highway and making it more difficult and expensive to provide satisfactory public transport for the majority.

In conclusion he claimed that recent experience in the United States—and our own experience in London during the 1958 bus strike—had demonstrated that the cost of relying on the private car was too heavy for us to bear. Unless we were prepared to undertake the complete reshaping and re-designing of our cities a balance must be struck between private car and public transport. Some current planning policies helped towards achieving this balance; others he believed, hindered it. He was particularly critical of the idea of siting bus stations away from the town centre, which increases costs; and segregating industrial development, which adds to the peak load. In his opinion there must be greater understanding and more co-operation between transport operators and planners if the urban community is to survive in anything like its existing form.

The remaining papers were less controversial. John Craig in "Under and Over the Plan" examined the complex of underground services and pointed out the limitations that these impose on the form of redevelopment schemes. He also dealt severely with the "overground clutter" of street furniture, signs and advertisements. His antidote to clutter was enlightened public opinion and he suggested the widespread use of the slogan "It matters how it looks." Finally, K. S. Himsworth reviewed the work of "that human and fallible body, the Lake District Planning Board," and described their attempts to deal with the many and varied problems that arise in a national park—development controls, car parks, public access and holiday provision. He showed how underlying them all was the basic conflict between the need to preserve and the need to develop—a conflict that it is the Board's duty to resolve in the best way it can with very limited resources.

COMPETITION

Jose Batlle Monument

Three teams have been selected by the international jury for the final stage of the competition for a monument to Jose Batlle Y Ordonez, in Montevideo, Uruguay. They are Embil and Alvarez (Spain), Keller, Bettoni and Poli (Italy), Elia, Ramos, Agostini, Testa, Feiravabti and de la Carcova (Argentina).

THE STRATEGY OF URBAN RENEWAL

"Time to End the Jack-of-All-Trades Planner"

Professor R. J. Gardner-Medwin contributed a paper, which is summarized below, to the third of the RIBA's "planning evenings" held in conjunction with the SPUR Exhibition. In it he calls, among other things, for the reform of the Town Planning Institute, and cautions architects not to claim too much in the planning-team.

We need to think about the kind of regional strategy that will make urban renewal possible; for it is clear enough that renewal worth the name will not come from spasmodic attempts to reconstruct, however high we build, however cunningly we plan "multi-levelly," however clever we are in separating pedestrians into "traffic-free precincts." Renewal worth the name will depend upon getting the whole structure of the city-region to work.

The motorways must not be designed simply to sort out the traffic jams; they must help to reorganize the community pattern in such a way that the journey to work ceases to be an "obligation which accounts for a measurable part of our working life," and so that opportunities for easy contact, swift movement and variety of experience are measurably increased.

If the town is to become "the living town," there must be a regional concept of the kind that has been talked about since Geddes, but does not yet exist. Planning still takes place within arbitrary boundaries, and the method is usually administrative co-ordination of technical services. There is no "simultaneous thinking" (to use Geddes's phrase) by a united team, composed of people concerned with the social, economic and scientific problems of reconstruction as corollaries of the technological problems.

Town Planning departments in most cities fall a very long way short of this kind of team concept. The "team" is generally assumed to be in the mind of one man, the qualified "town planner," who is assisted by specialists in civil engineering, electrical engineering, sanitation and (perhaps) architecture.

The difficulty is that the fully representative planning team has not yet been developed within the TPI. The Institute's achievement in its first fifty years has been remarkable and must not be belittled; but at the beginning of its second half-century it will be necessary for it to broaden its scope and extend its range to embrace regional planning in the sense that Lewis Mumford has defined it: "Regional planning is the conscious direction and collective integration of all these activities which rest upon the use of the earth as site, as resource, as structure, as theatre."

It is clear that this kind of planning, even when limited to the city-region, cannot be achieved through an alliance of engineers, surveyors and architects. Equally important in the planning team, and at some stages much more important, are the professions concerned with economics, geography, agriculture and sociology. Yet it is also clear that these professions are not going to be

tempted through the theoretically open door of the Institute if they are first to qualify by sitting its present examinations, with their technical-cum-legal content.

We need trained teams of social, economic and physical planners, each understanding the total problem, but each concentrating upon the contribution his profession can make to the total solution. What is the place of architects in this team? Clearly we must be in the team from the outset, since architecture and civic design are inherent in the very programme—or should be. We would be in the team, like many other professions, because of the significance of our specialist skills. We architects would concentrate upon problems of civic design without claiming that we can undertake surveys of family structure; sociologists would concentrate upon organization, analysis and interpretation of social surveys, without claiming that they can design a housing layout. Engineers would be recognized as the prime movers in the construction of motorways, streets, bridges and city services; but it would be understood that they are not arbiters of civic design any more than they are experts in social or economic survey. The epoch of the jack-of-all-trade planner must come to an end; for in the modern complex of the city-region, no single "planner," or team of planners with the TPI label, is capable of producing, without the help of other skills, the comprehensive plan we need.

Architects must be careful not to claim too much. Every big city, or "conurbation," should have its regional planning team, and its city architect (qualified as architect-planner) should be a member of it, as adviser on all aspects of civic design, through all the stages from survey to final plan. Major physical developments within the plan, including motorways, should be recognized as posing architectural problems of first importance, and thus the city architect's office (or a consultant architect-planner's office) should be recognized as the body responsible for detailed planning of development within the regional plan. This is within the scope of our training and of our experience as architect-planners. We shall be on a poor wicket if we claim that the City Architect, any more than the City Engineer, should be responsible for the regional plan. In my view (a provocative one, no doubt), the Planning Officer in the big city-region should be a separate post, manned by a professionally qualified planner of outstanding ability, regardless of any other professional background he may have. Heads of the various local authority departments of the urban centres in the region

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will be policy-making members of the regional team. They and their staffs will be responsible for designing and executing the details of the regional plan.

Thus the City or Borough Architects, with their specialist teams of architect-planners, will be responsible for all aspects of civic design within the general pattern of the regional plan—in which they have already had their say. It will no longer be necessary to argue whether the City Engineer or the City Architect is the planner. The Engineer will advise on engineering services, the Architect on civic design; and they will be given every opportunity to collaborate through the medium of the Regional Planning Department.

RIBA

Chinese Architecture

On July 9 the RIBA opens an exhibition of 225 photographs, some in colour, of Chinese architecture. The exhibition has been prepared by the Association of Chinese Architects and will remain on view until July 31 (Monday to Friday 10 a.m. to 7 p.m.; Saturday 10 a.m. to 5 p.m.).

Besides palace, tomb and temple buildings, in Peking and elsewhere, the exhibition will illustrate domestic building and gardens, including some of the famous gardens of Soochow. There is also an example of the remarkable circular 4-storey communal buildings or "flats" (with balcony access) built by the Hakka people in Fukien.

The coloured illustrations will give some idea of the polychromy which was an important characteristic of Chinese architecture. Engineering works will also be represented, including the superb Anji bridge of about 610 A.D., a single flat segmental arch bridge of 123 ft. span, whose forms call to mind Maillart.

A smaller section of the exhibition will illustrate some of the work in town-planning, industrial building, office buildings, hospitals and housing carried out since 1949 and will include the 1-mile-long bridge over the Yang-tze completed in 1957.

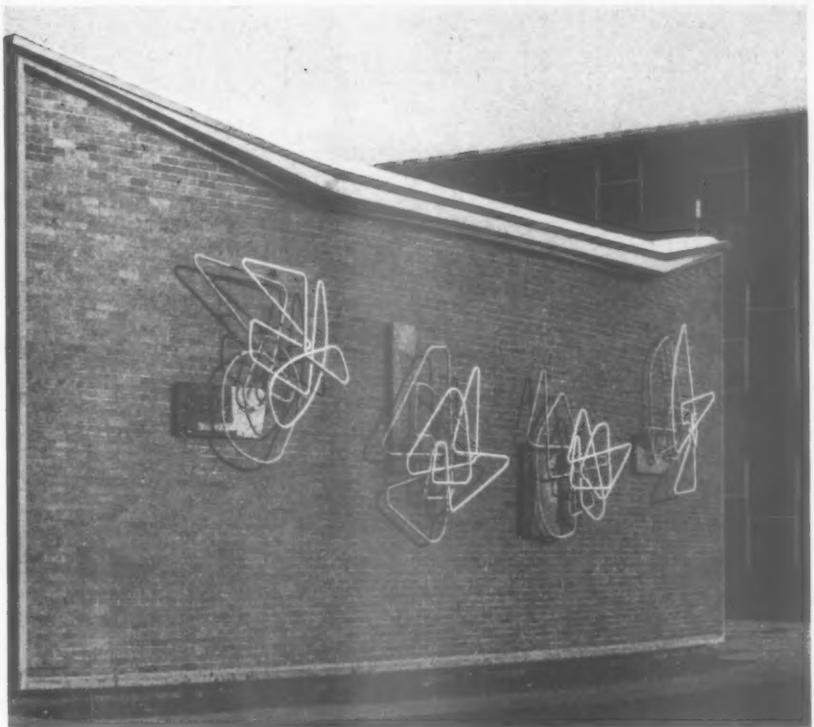
BIRTHDAY HONOURS

Eric Bedford, C.B.

Knighthood: Stanley Spencer, C.B.E., painter.

Order of the Bath—Companion: Eric Bedford, Chief Architect, MOW.

Order of the British Empire: K.B.E.: John Anderson, Secretary, Dept. of Health for Scotland; Sir Alec Martin, Chairman of Trustees, The Wallace Collection. C.B.E.: D. K. Baxandall, Director, National Galleries of Scotland; R. A. Kidd, County Surveyor and Director of Planning, Nottinghamshire; Marshall A. Sisson, architect; Miss Mary Woodall, Director, Birmingham City Museum and Art Gallery. O.B.E.: C. R. Giles, cartoonist; A. E. Hewitt, Superintending Structural Engineer, MOW; Ralph Holiday, Senior Architect, Imperial War Graves Commission; Eric A. Lyons, architect; C. M. Rogers, painter; P. E. Sleight, Head of Dept. of Civil Engineering & Building, Brighton Technical College.



This mural by Malcolm Hughes at West Wythenshawe College of Further Education (L. Howitt, City Architect, Manchester), embodies interesting ideas and a new technique. Its design basis is the shadow-play of the sundial. Against a convex wall (44 ft. by a mean height of 16 ft.) of blue engineering brick, four tubular steel grey and white units arranged in a downward curve stand free of the surface, casting complexes of shadow as the sun moves across it. A roughly rectangular slab of coloured mosaic, six to eight square feet in area, is set forward of the wall by about 2½ in., but behind the constructions, which are about 7 ft. wide. The tubular units are clad with stone, by a technique developed for industrial use (in jet engine exhausts) by Mattheus Refractories. A film of granite, the manufacturers claim, gives complete protection against the weather, and keeps the native texture and colour of the stone. Unlike paint, it needs no renewal. Unlike enamel, it will not flake or chip under impact or torsion, for instead of lying in layers on the protected metal, its crystals are built up perpendicular to the steel surface with which they are fused at very high temperature. The specification of standard one inch steel tube limits the bending angles and thus the possible shapes. The capacity of the furnaces gave an upper limit of size to feasible units, which meant that each construction, after bending but before cladding, had to be cut into two or three sections which were later rejoined by the insertion of teak plugs into precisely ground butt joints. The nature of the actual wall also made fixing particularly difficult, since the fixing bolts could not always be arranged to fall over a brick joint while avoiding interference with the shadow-pattern.

M.B.E.: W. E. Hollins, Senior Architect, Dept. of Health for Scotland; W. T. Powell, Architect, MOW; E. C. Thompson, Model Designer, MOHLG; Miss Margaret Wragg, Housing Manager, Crawley Development Corporation.

In Brief

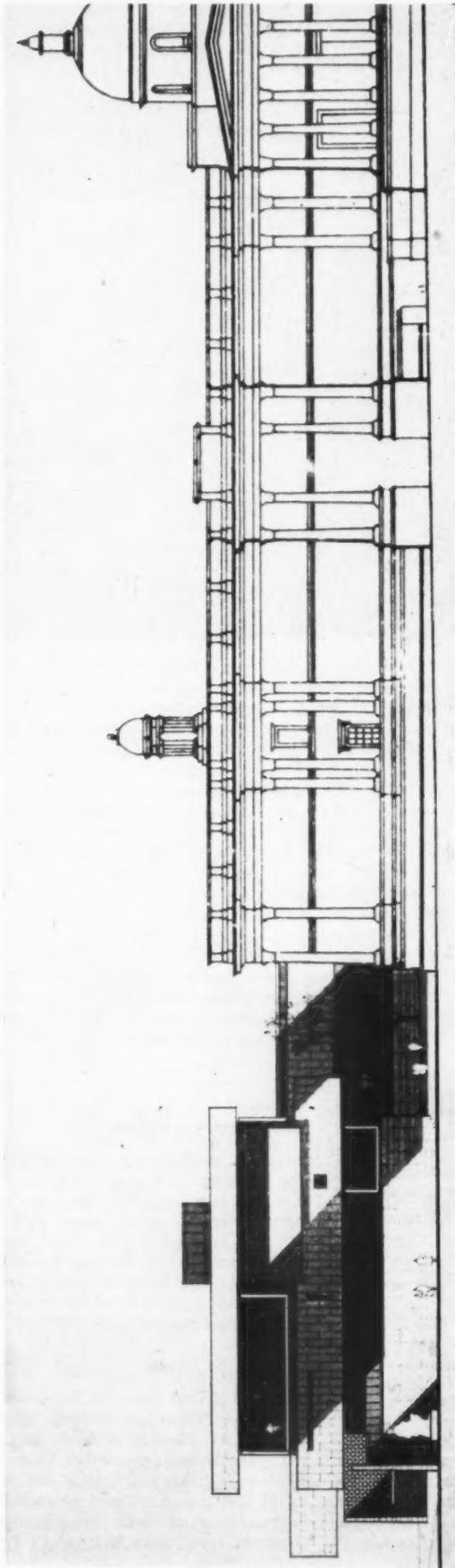
The President of the RICS for 1959-60 is John Lewis Postlethwaite, a senior partner in the firm of John Postlethwaite & Co. of Liverpool. He was Vice-President in 1955, Senior Vice-President in 1958.

The medal of the Reinforced Concrete Association for 1958 has been awarded to W. A. Gibbon, a partner in the firm of Cruikshank & Seward, Chartered Architects, of Manchester, for a paper on "The Architectural Expression of Structural Concrete."

This is the first time that the medal has been awarded to an architect.

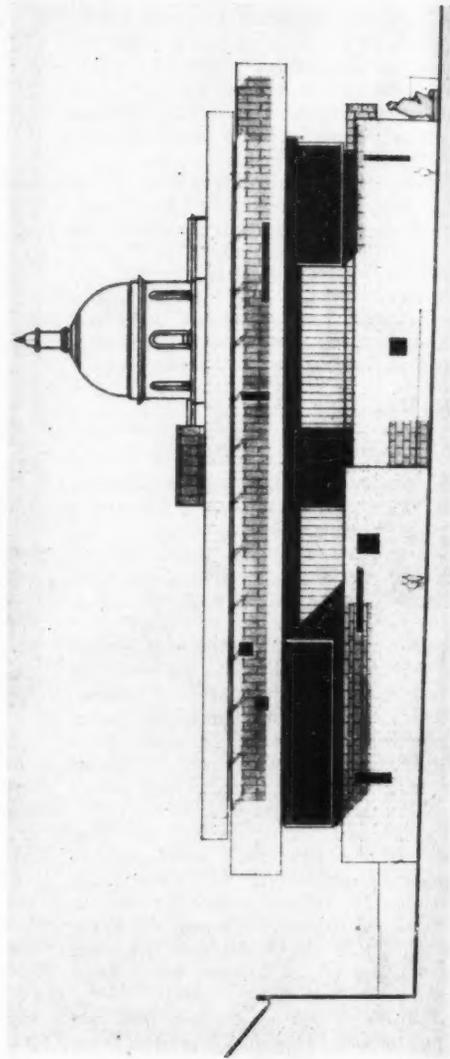
A small exhibition is being shown at the Housing Centre, 13, Suffolk Street, S.W.1, to coincide with the Housing Centre's Annual Conference at County Hall. This is "The Radburn Idea in Great Britain," Paul Ritter's "Safe Housing" section of the Child's Eye View Exhibition. It will be on show from June 29 for four weeks, Monday to Friday, 10 a.m. to 5 p.m.

The American Institute of Architects announces that the \$25,000 Reynolds Memorial Award for 1959 has been conferred on Yuncken, Freeman Brothers, Griffiths and Simpson of Melbourne, Australia, for designing the Sidney Myer Music Bowl in Melbourne. The jury described it as the most significant work of architecture in the creation of which aluminium was an important contributing factor.



The winners of the Sunday Times competition for the National Gallery site off Trafalgar Square have been announced. First prize (£2,500) was awarded to Barrie Dewhurst, a young gallery planning. The author has not allowed himself to be limited in his English architect who is at present working in the USA, having recently been awarded his planning by the mechanics of natural top lighting for galleries. Principal public access is from Master's Degree in Architecture at Harvard. Second prize (£1,000) was awarded to the London Pall Mall East and overlooks a pleasant pebble garden. The area known as Gallery I also firm of Boissevain and Osmond. Third prize (£500) was won by I. H.

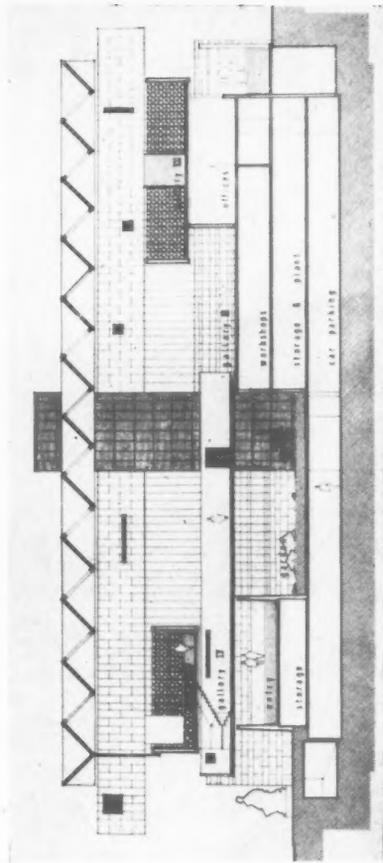
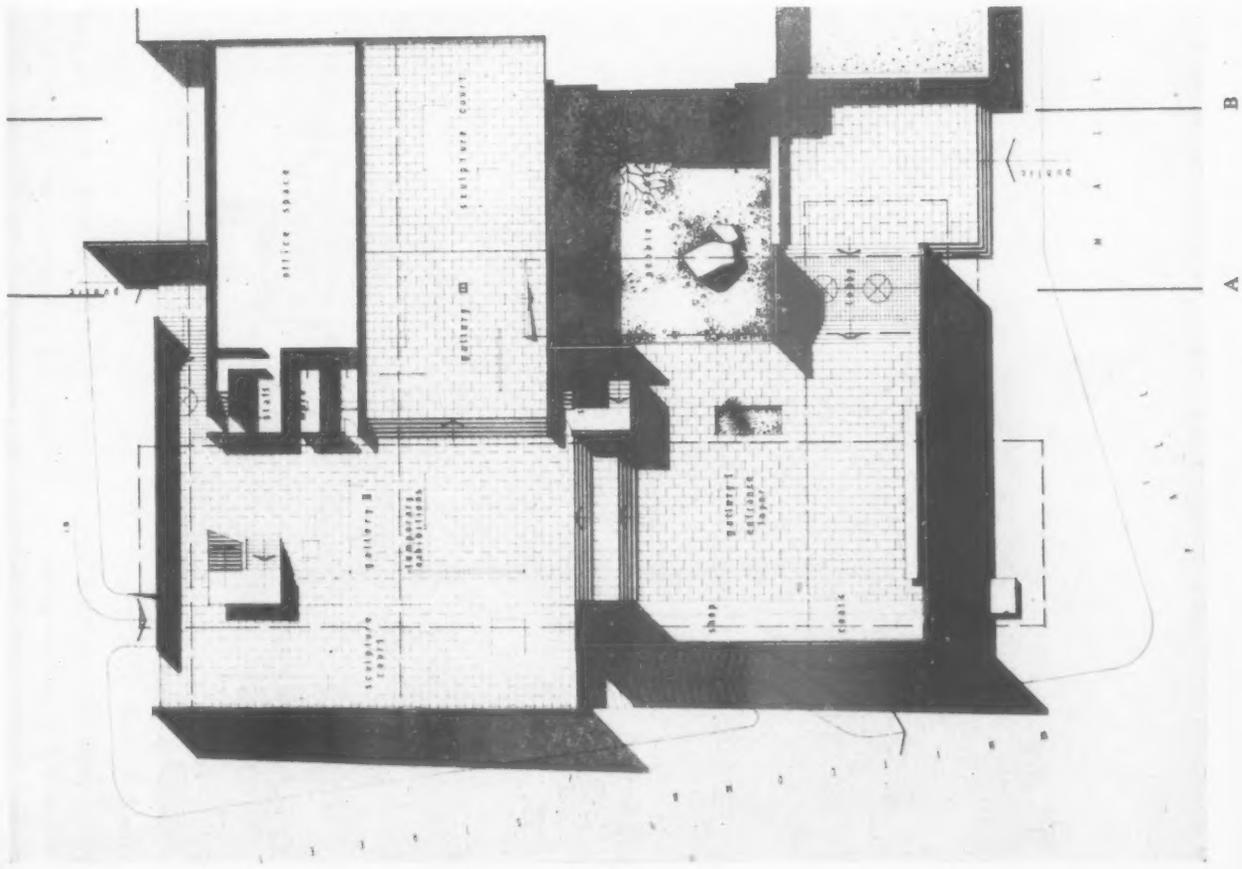
and R. P. Marshall of the East African Institute of Architects. Fourth prize was shared by Mervyn Handley and William Crabtree, London (£300 each). The authors of eight other designs were highly commended and each awarded £50. They are Peter Carter, Illinois, USA, John Bickerdike, London, Peter North, Ipswich, Frank Bennett, London, Westwood, Sons and Partners, London, Dennis Clarke Hall and H. S. Scorer, London, in association with Messrs. Montgomerie and Oldfield, Southern Rhodesia, John H. Church and Anthony P. Richardson, London and William Ryder, London. All the above designs, together with 48 of the 252 submitted, are on exhibition at the Building Centre until June 24. The winning design, which is beautifully drawn, in contrast to the poor



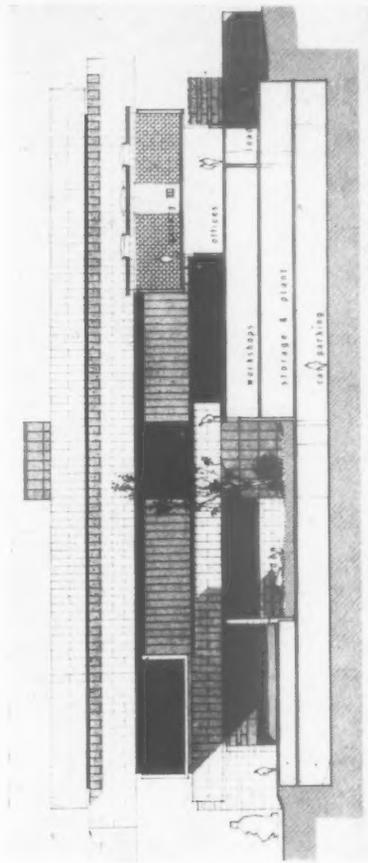
Elevation to Whitcomb Street

serves as an entrance foyer where coats may be cloaked and catalogues purchased. Galleries I,

serves as an entrance foyer where coats may be doaked and catalogues purchased. Galleries I, II and III are, in fact, all areas which double for exhibition and circulation. The general planning principle seems to be one of a spiral in terms of public circulation so that visitors are led gently upwards, constantly being confronted by unexpected views. Galleries IV, V, VI and VII each have an open balcony or viewing platform at the end which, in some cases, may be used to display sculpture. Natural lighting from the side is not used to any great extent and top lighting is in two forms. Over part of Gallery VII is a series of dome lights and over the remainder of the building is a reinforced-concrete sawtooth roof with natural lighting from the north. In fact only the top level gallery (VI) receives direct light from the roof, the remaining

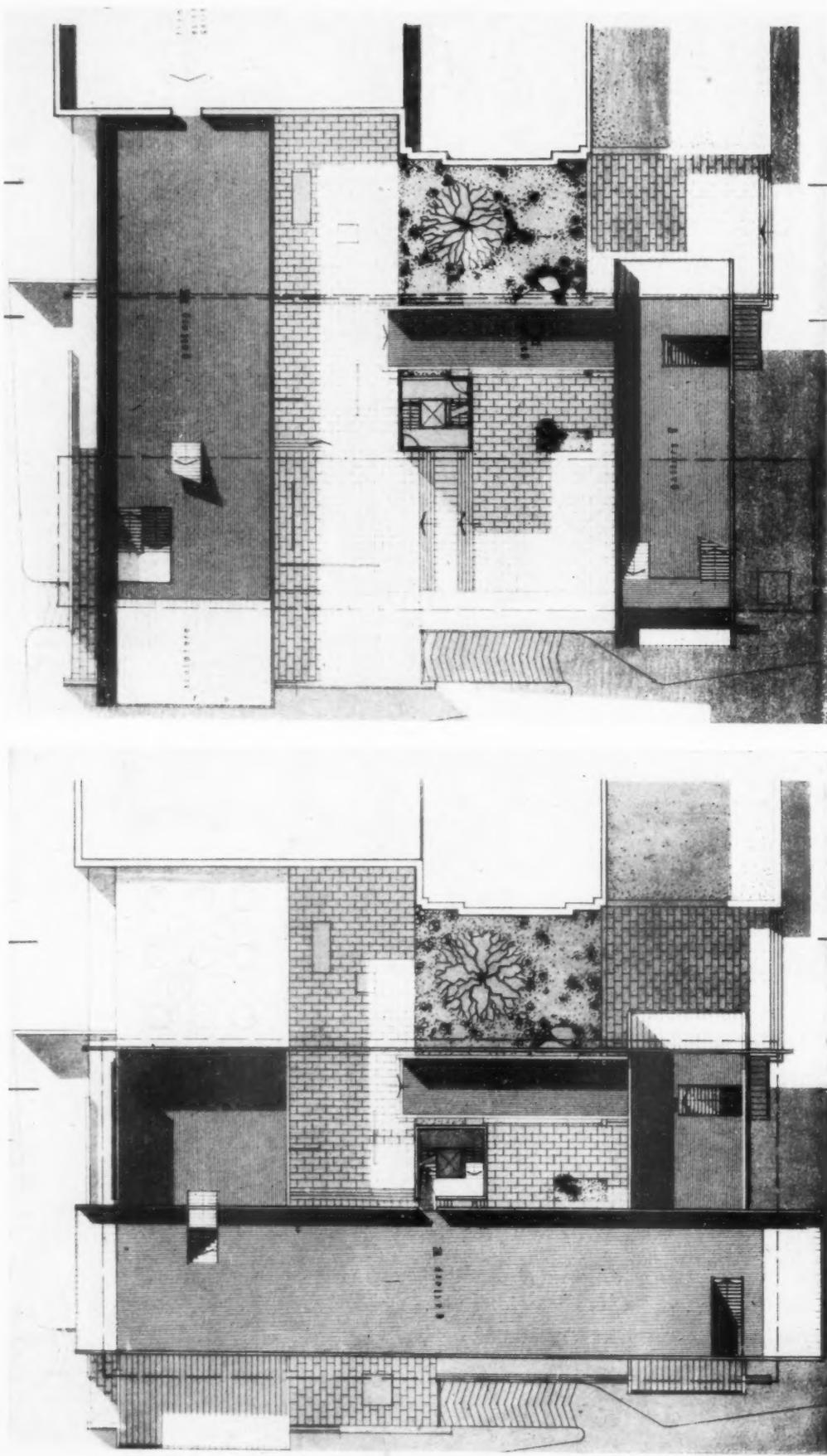


Left, ground floor plan. Above, section A-A. Below, section B-B



A B

WINNING DESIGN IN THE SUNDAY TIMES NATIONAL GALLERY EXTENSION COMPETITION continued



Upper floor plans

gallery spaces being only partly open to the roof. Car parking, workshops, storage and plant are housed generally below gallery level. It is a pity that so imaginative and thoughtful a plan produces elevations which, proportionally, are dull and that the Pall Mall East elevation, for example, is somewhat out of scale in relation to the south front of the existing gallery. A full report of the competition dealing with the other winning entries and interesting designs will be published shortly.

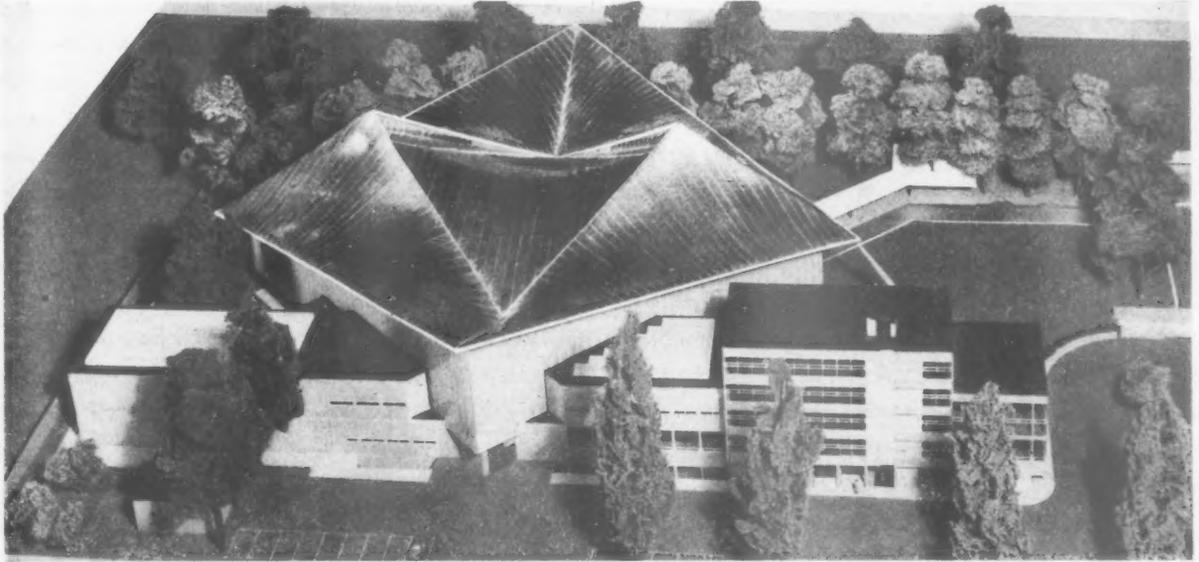
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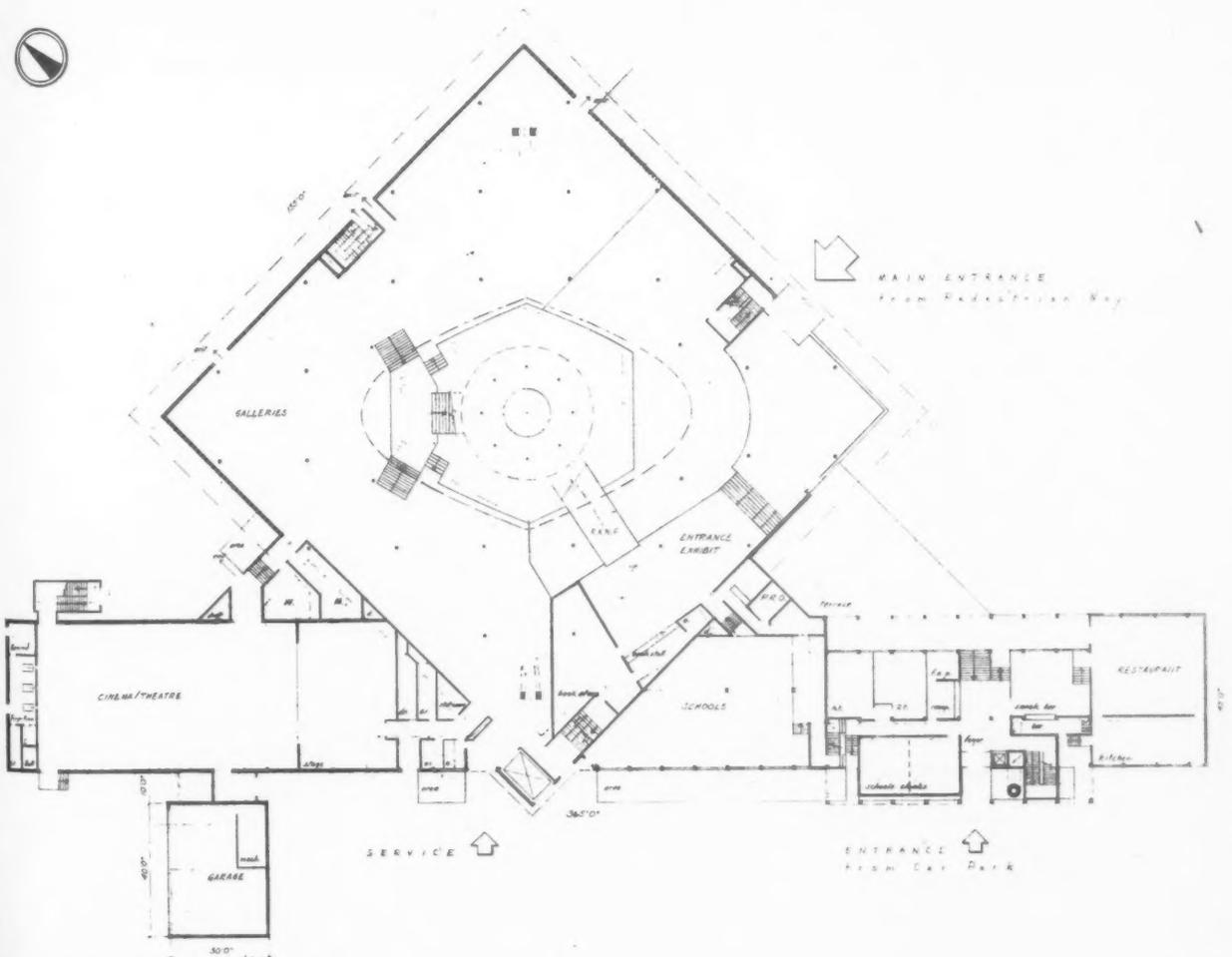


Gro

NEW COMMONWEALTH INSTITUTE IN HOLLAND PARK



The architects for the new Commonwealth Institute, Matthew & Johnson Marshall, have laid out the site to maintain, as far as possible, the open character of Holland Park on the north side. All cars are confined to the west side of the buildings so as to preserve the peaceful frontage to the south. Pedestrians entering from Kensington High Street cross a paved court and then walk



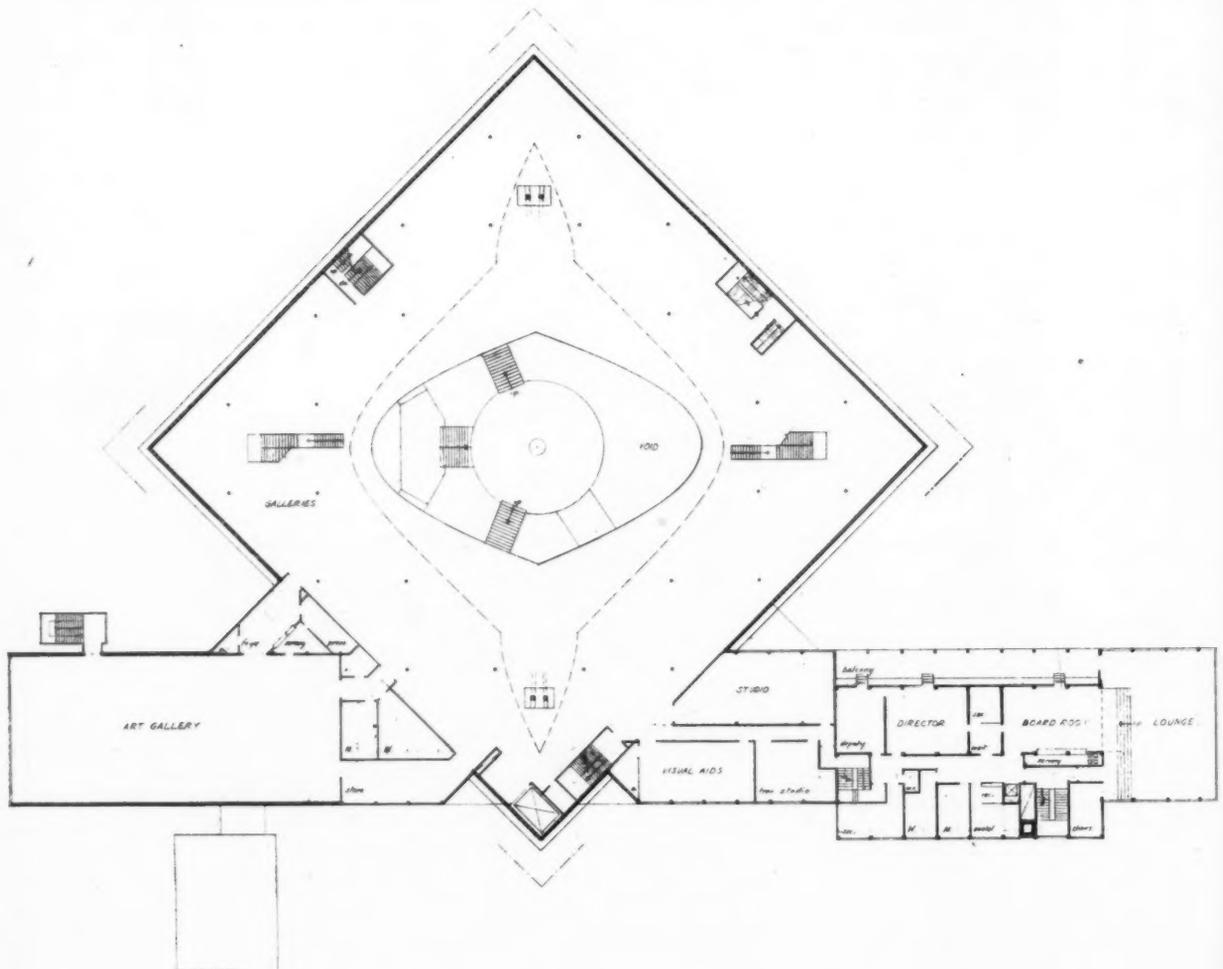
Ground floor plan [Scale: $\frac{1}{16}'' = 1' 0''$]

produces elevations which, proportionally, are dull and that the Pall Mall East elevation, be published shortly.

HYPERBOLIC PARABOLOID ROOF FOR THE NEW

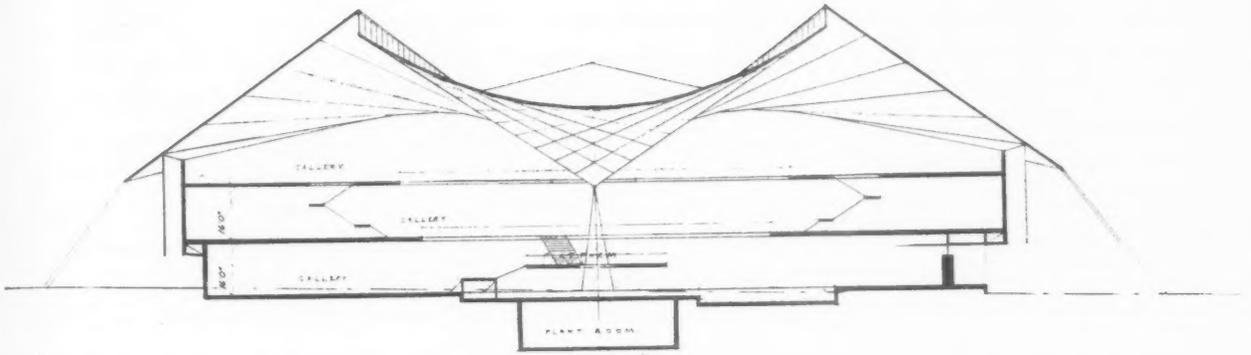
under the fine existing trees, past lawns and fountains up to the main entrance, protected from bad weather by a covered approach. On entering, the visitor passes through a foyer and arrives at a central platform, within the well of the building, from which he has a clear view of all the exhibition galleries and the flights of stairs leading to them. He can then select the particular exhibits he wishes to see. The galleries are to house a series of exhibitions; some of them as they exist at Collcutt House and some new ones which are to be specially designed. The galleries are covered by a roof consisting of five hyperbolic paraboloids. Their construction is a mesh of precast post-tensioned concrete ribs, decked with wood-wool slabs covered with copper sheeting, supported at four points only and covering an area of some 36,000 sq. ft. There are three gallery floors which are pierced to form a large central well under the main paraboloid. This bowl-like space is intended to unite the gallery floors visually and to permit long diagonal views of the curved roof planes, of which the slender concrete ribs will catch some of the light from concealed clerestory windows. These

views are intended to give relief, at each floor level, from the more restricted spaces in the galleries themselves. There is a link block, running along the west side of the main building, which contains an art gallery, studios, a cinema, public assembly rooms and a restaurant. This block connects the galleries to the administration building. The institute has frequent visits by organised parties of school children and special facilities, including a refectory and cloak room are provided for them in a Schools Reception Department. From the outside, the copper roofing will appear as a large green tent set among the trees of the park. The walls are of opaque glass and the exhibits artificially lit. The ancillary buildings also have a reinforced concrete frame construction but are clad with precast concrete panels in some parts, and with glass curtain walling in others to provide fine views across Holland Park and across the lawns in front of the building. Senior-architect-in-charge P. A. Newnham; the structural engineers A. J. & J. D. Harris; quantity surveyors Franklin & Andrews; exhibition designer is James Gardner.

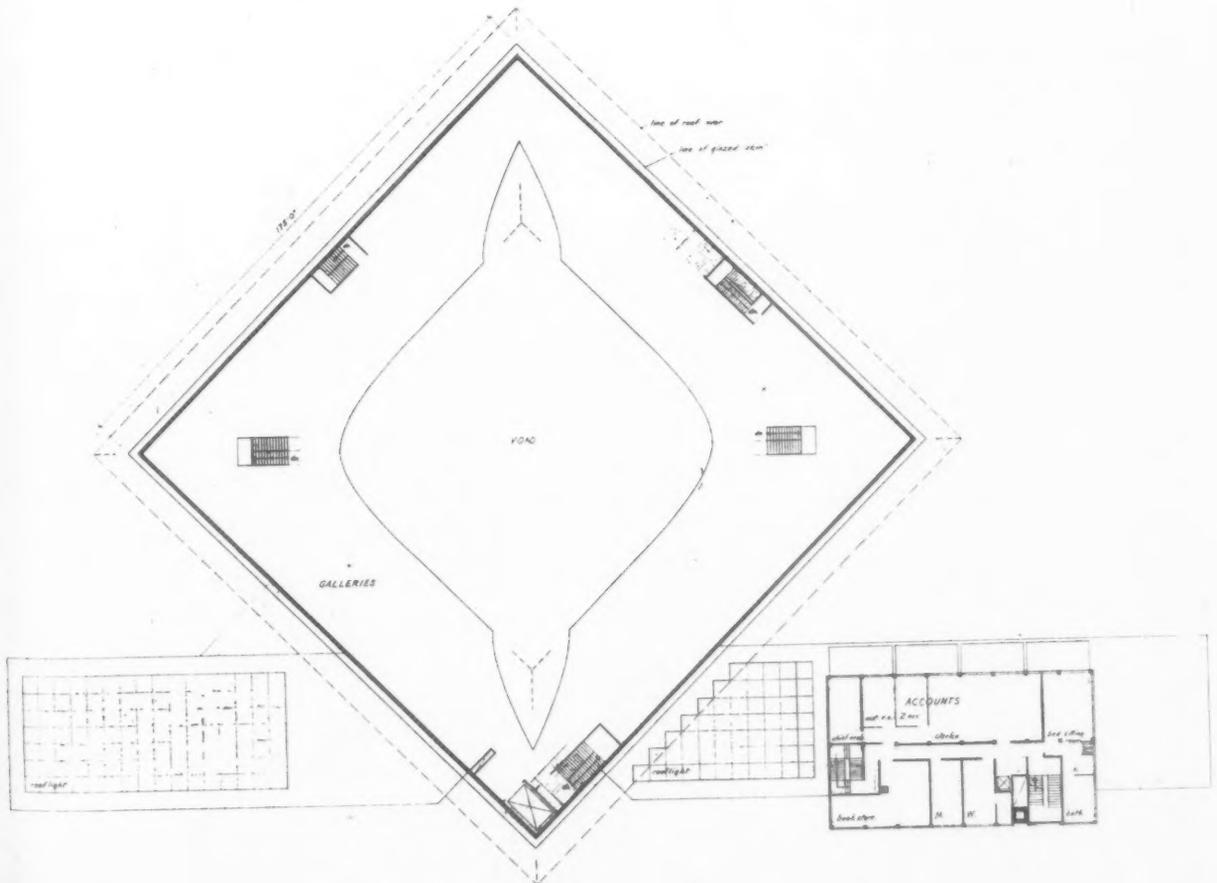


First floor plan

COMMONWEALTH INSTITUTE IN HOLLAND PARK continued



Cross section

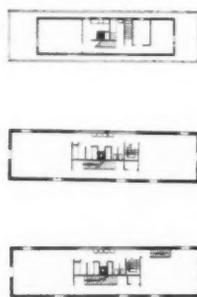


Third floor plan

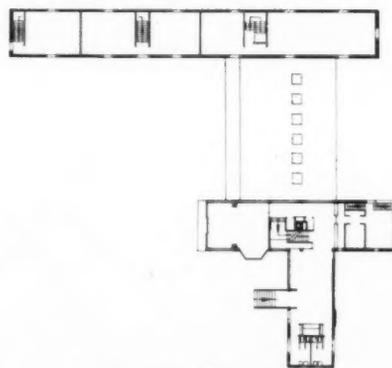
PLANNING AND CONSTRUCTION OF YOUTH HOSTEL AT HOLLAND PARK

CONSTRUCTION OF NEW BUILDINGS: *The new north block is of traditional load-bearing construction on strip footings with external cavity walls having an inner skin of lightweight concrete blocks. The north wall at lower level is a solid brick retaining wall with asphalt tanking. The north side is buttressed at high level and pre-stressed roof beams span from these buttresses to tie back the south wall which is cut vertically by the windows. The dining room block has a roof of insulating slabs on light latticed steel trusses which accommodate service pipes. Support is by exposed steel stanchions at the perimeter and by a central spine brick wall. The tall block has a reinforced concrete frame and floors with cavity brick panels. The penthouse is steel framed. The entrance block has a composite structure of brick walls, r.c. columns, floor and roof. This block and the garden walls are built on short bored pile foundations to avoid disturbing the roots of the surrounding trees. Services and internal finishes are generally of a very simple and economical standard. Heating is by an oil-fired boiler, the fuel being supplied through a long feed pipe so that tankers do not have to enter the park.*

RESTORATION AND CONVERSION OF THE OLD WING. *The entire structure was found to be in a very decayed and unstable condition, due partly to inadequate shallow foundations on clay and partly to war damage and later neglect. The restoration works, which have been carried out with the guidance of the Historic Buildings Section of the LCC Architect's Department, have established the two long walls by rebuilding the two ends on new foundations and by tying them back to two strong-points in the form of the rebuilt tower and the secondary stair enclosure. It was also necessary to rebuild the gables and re-roof the entire structure. Most of the interior had to be gutted to remove defective wood and the new plan bears little relationship to the original layout. It has however been possible to preserve the ground floor south room in its original form with a plaster vaulted ceiling.*



Upper floors of main hostel block



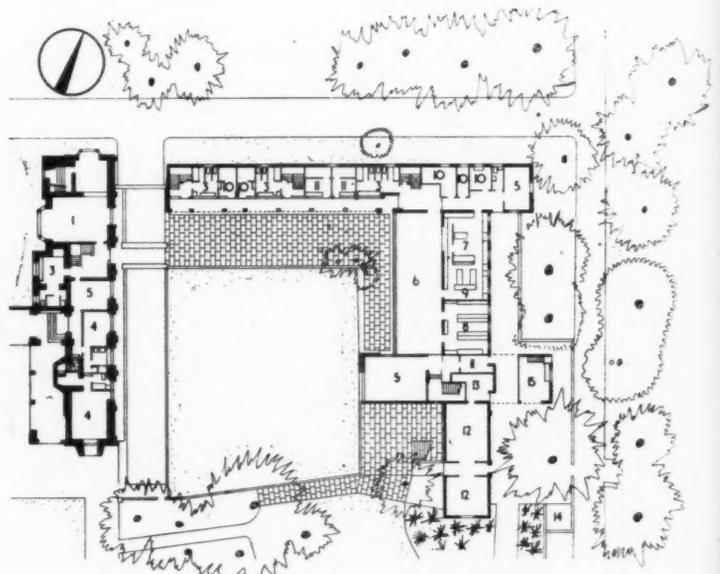
First floor plan of new building

KEY

- 1. Dormitories
- 2. Baths
- 3. Washrooms
- 4. Wardens' flats
- 5. Common rooms
- 6. Dining room
- 7. Wardens' kitchen
- 8. Members' kitchen
- 9. Wash-up
- 10. Store
- 11. Laundry
- 12. Cycles
- 13. Boiler room
- 14. Fuel
- 15. Wardens' garage



Upper floor plans of old wing



Ground floor plan of new building and old wing [Scale: 1/4" = 1' 0"]



CRITICISM

by J. M. Richards

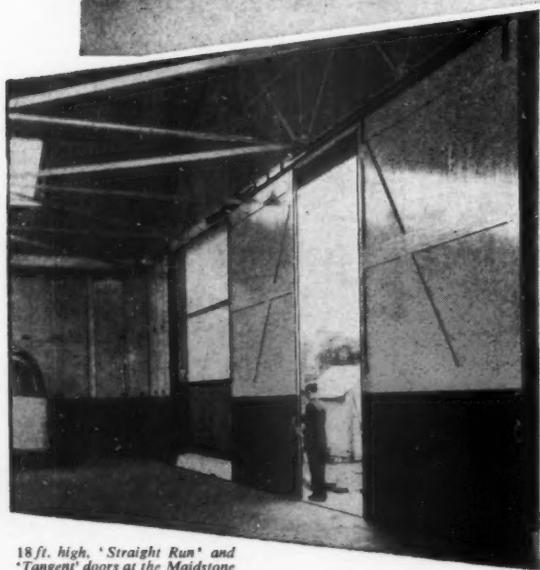
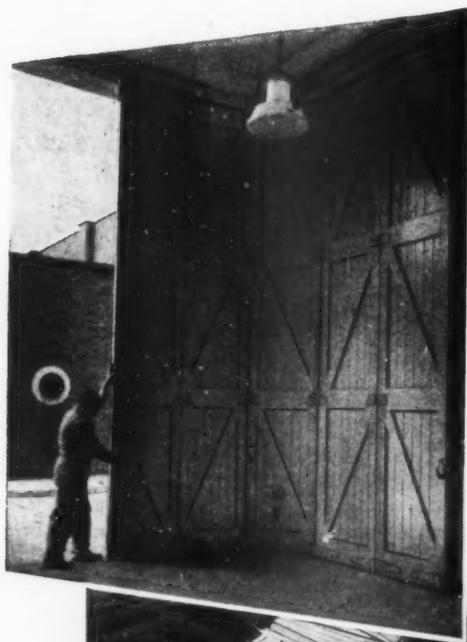
YOUTH HOSTEL at HOLLAND PARK, LONDON
designed by HUGH CASSON and NEVILLE CONDER

The restored Jacobean east wing, seen across the courtyard through the windows of the one-storey dining-room. On the right is the two-storey linking block. Mr. Richards criticizes the scale and detailing of this new block in relation to the old.

The surviving east wing of the bombed-out Holland House, which the LCC decided to preserve and restore when they took over the grounds of the house as a public park after the war, is a piece of architectural scenery with splendid qualities of pattern and texture, as well as all the overtones possessed by a distinguished historical monument. The architects, in designing a new group of buildings close to it, have clearly been aware of the visual riches it offered them and have treated it as a theatrical back-drop, making their own buildings a foil to it and planning them with the object of not only preserving the views of the old building from the surrounding park but of focusing the eye on it even more intensely.

Their task was to design a youth-hostel, with 200 beds, incorporating the Jacobean east wing, and the site they were given was the ground between the old wing and





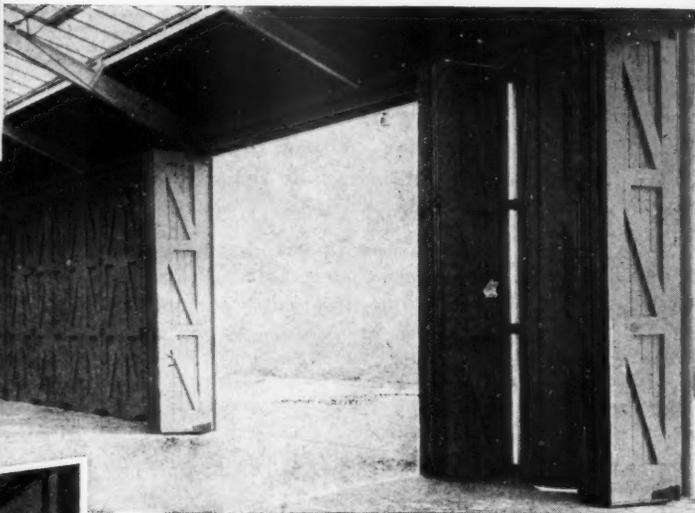
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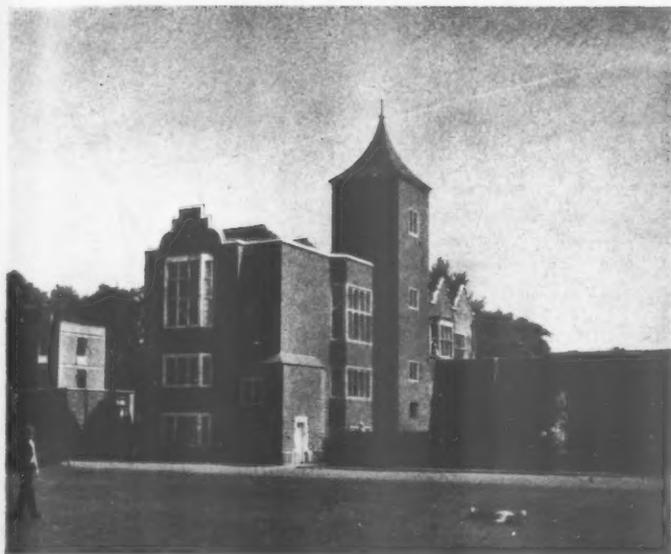
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The restored portion from the north (with the main block of the new hostel on extreme left), showing the rebuilt tower and, on the right, the beginning of the screen wall criticized in this article as being too heavy and oppressive.

Holland Walk, the pedestrian path which forms the eastern boundary of the park. But before discussing their new buildings I want to comment briefly on the restoration of the old one, which is in the hands of the architects of the LCC.

The east wing itself has been beautifully restored externally. Rising behind it can be seen a square staircase tower, capped by a steep slate roof, which is not a restoration but a reconstruction—a copy of one of the towers that were there before the bombing. It is built of a strongly coloured red brick which it is presumably hoped will weather to conform with the surviving old brickwork. At present the colour is too bright. Behind the east wing the tower descends to the ground (the original would have been masked by the demolished rear part of the house), and new windows have been inserted. This is unexceptionable, but not so the clumsy prisonlike wall that has been added further west as a backing to the Jacobean arcade which used to form the centre of the south front and is shortly to be restored as well. This buttressed wall is altogether too crude and heavy, it spoils the views of the house from the north and interferes with the continuous flow of buildings in and out of the landscape, which extends, with subtly changing levels, far to the east through a sequence of gardens and outbuildings—a piece of landscaping which the architects of the new hostel have taken pains to reflect in the scale and grouping of their own buildings.

This view from the north was quite beautiful when the centre part of the house was still in ruins, and one could see right into them. If there were structural reasons why it couldn't have been left like that, something a good deal more sensitive could surely have been built at this point. The partly ruined

arcade on the other side still retains some of the romantic, weed-grown atmosphere the rest once had, and I hope that in completing the restoration the LCC will not tidy it up and municipalize it to such an extent that the character is destroyed here too. But this has taken me rather far away from the Casson and Conder hostel buildings which are the real subject of this article. The placing of the buildings on the site is—with one small exception that I shall come to in a moment—admirably thought out. Alongside Holland Walk were some good tall trees, and the architects have managed to site their main block there without having to disturb many of the trees, thus ensuring that the new buildings do not intrude too abruptly into the established setting of the old house. The ground rises towards the group of trees, and they have taken advantage of this to cut the bottom storey of their main hostel block into the hillside, leaving room for a discreet service yard concealed behind a pierced retaining-wall on the Holland Walk side. The ground-level rooms on the other side open into a sunken courtyard on the same level as the Jacobean wing. The courtyard has this wing on one side, the main five-storey block of the new hostel on the opposite side is open on the south side and is closed on the north by the return wing of the lower hostel block. The latter serves also as a retaining wall, and when seen from the garden, the two-storey wing shows only one-and-a-half storeys above ground. The upper part of the Jacobean façade can therefore be seen over it, and its whole height can be seen through the gap where new and old do not quite join. Where the same wing turns at right-angles to meet the main block it is lower still, preserving the view of the Jacobean building through the trees for people passing down Holland Walk.

It is even better from the open south side of the courtyard, and the architects have tried to heighten the drama of this view by sinking a pool along the far side of the courtyard at the foot of the old wing, in which it will be reflected. This is a clever, and to some extent successful, device, but the pool is not quite wide enough, nor does it come close enough to the face of the building, for the reflections to have their full effect. This, I believe, was a change of the architects' original intention forced on them by the LCC. Instead of rising straight from the pool, the old façade is separated from it by a strip of stonework, just wide enough to sit on (which the youth-hostellers will inevitably do, because a perch over the water is attractive), but not wide enough to achieve the character of a terrace.

There is only one viewpoint from which this careful modelling of the site, and this skilful adjustment of building heights and terrace levels to display the charms of the old building to the full, and use it, as I said, as a kind of theatrical back-drop, fails to produce a satisfactory result. That is the important viewpoint from the south, obtained by anyone approaching the main entrance. On this side a two-storey wing, containing the entrance hall and lavatories at the reception level and storage space below, projects forward in a rather ungainly way, and even when foreshortened in perspective its windowless brick end elevation intrudes too brutally into the view of the

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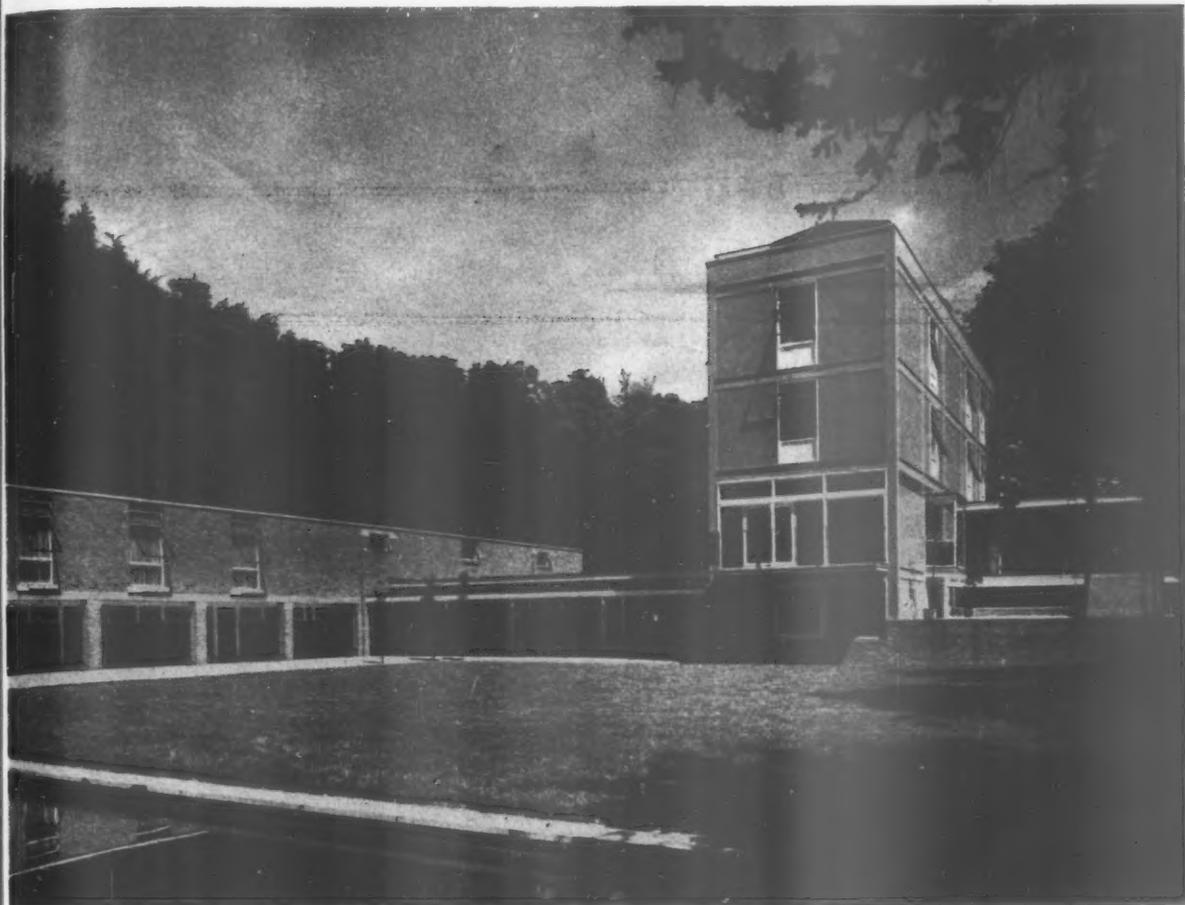
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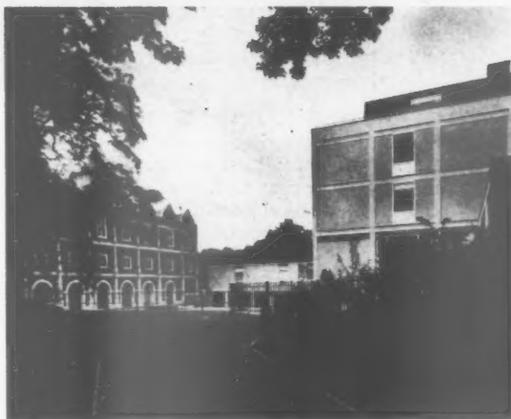
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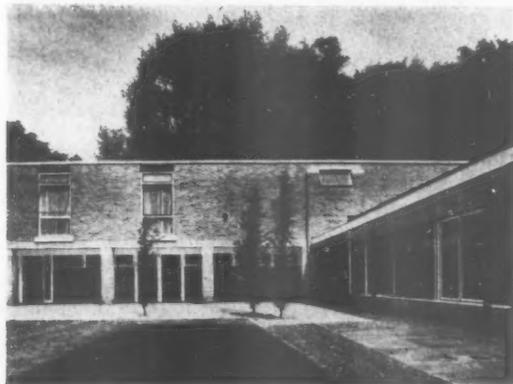


Looking from the Jacobean wing into the courtyard, with the main block opposite and the lower linking wings on the left. In the foreground is the reflecting pool.

From the entrance approach. The sunk courtyard is beyond the railings, the main hostel block on the right and one corner of the projecting entrance and lavatory wing, criticized in this article, on the extreme right.



The north-east corner of the courtyard. On the right are the dining-room windows with covered way outside.

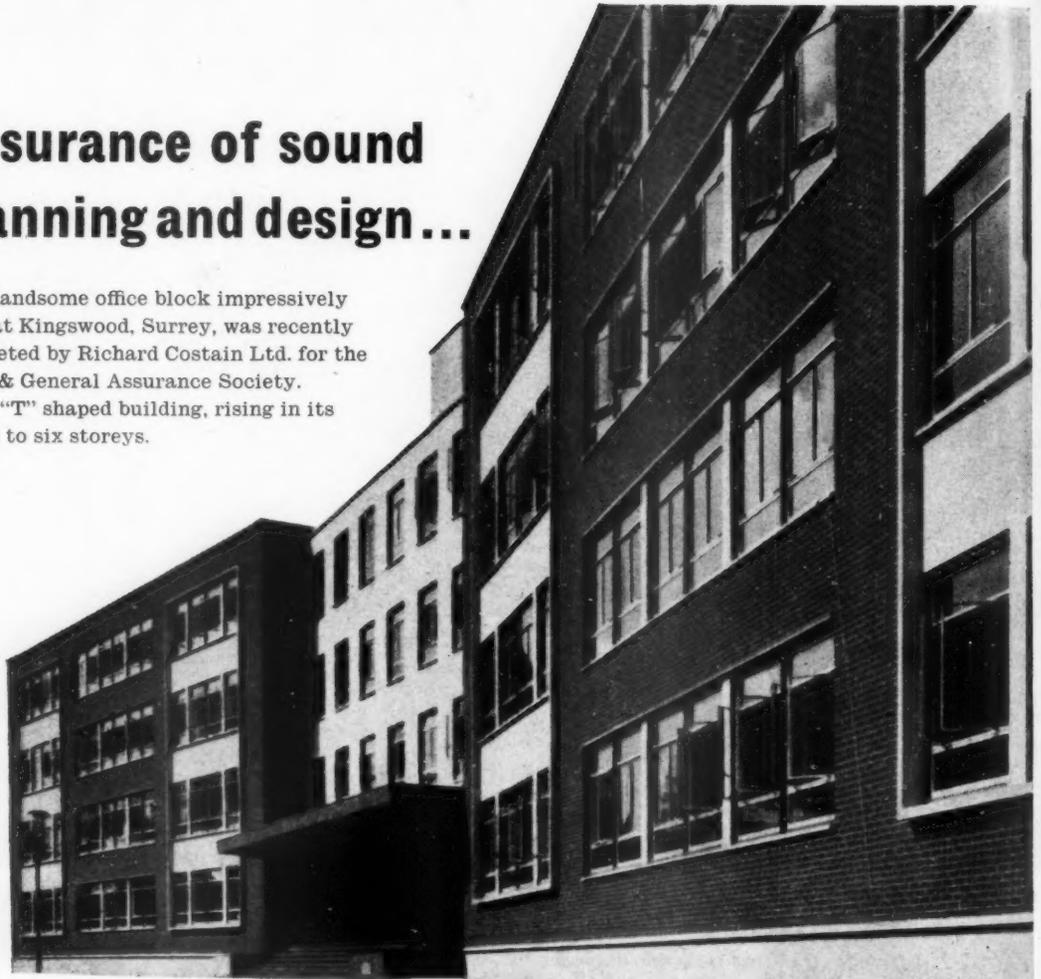


more sensitively proportioned main block among the trees beyond.

The main block itself, faced with stucco painted two shades of green, has a very agreeable character, discreet (as it should be in order not to compete with the romantic Jacobean back-drop) yet crisp in shape and not afraid to declare its own individuality. One wishes the lower wings had the same crispness of detail and regularity of form, and also that they had been designed—as the tall block has been—frankly as a foil to the old work. But instead of being similarly faced with a clearly differentiated material like stucco, they have brick walls, presumably intended to carry over into the new building the established character of

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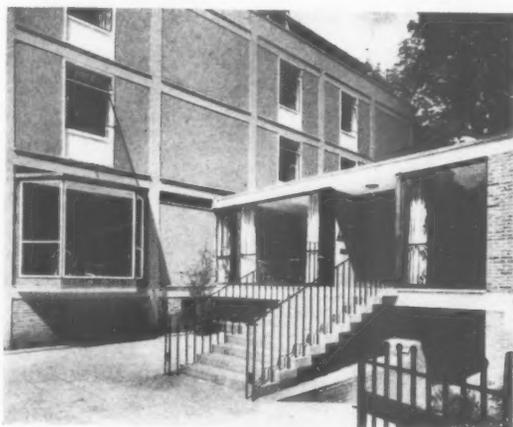
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The northern face of the two-storey linking block, with the old building behind.



Close-up of entrance, with main hostel block on left. The stucco is painted two shades of green. Note the ironwork, praised in this article.

the old. But the new brickwork is more coarsely used and the bricks chosen are a vivid, highly multi-coloured red variety, whereas what is wanted here is restraint and evenness of tone. They neither continue the Jacobean brickwork nor provide a clear break from it.

The low north wing, moreover, which provides the actual link between the new hostel and the old mansion, is somewhat crude in form and both its structural details and its window openings are out of scale with the Jacobean work close by. In its northern face—that seen from the garden—the windows are neither consistently nor happily disposed. As a result this wing, a key element in the carefully worked out relationship between old and new, lacks the sensitivity of handling that makes the main block, in spite of being unashamedly contemporary, so sympathetic an addition to the whole scene. This block is of course helped by its frame construction being revealed externally, because this means that the windows, though large, are satisfactorily contained within the framework.

The large windows in the linking block are made to appear more out of scale with those of the old building because they read simply as apertures in the brickwork.

One other feature of the outside deserves a special word of praise: the black painted ironwork, whether in the form of gates, railings or other barriers, is well thought out, just right in weight and entertainingly original in its simple detailing.

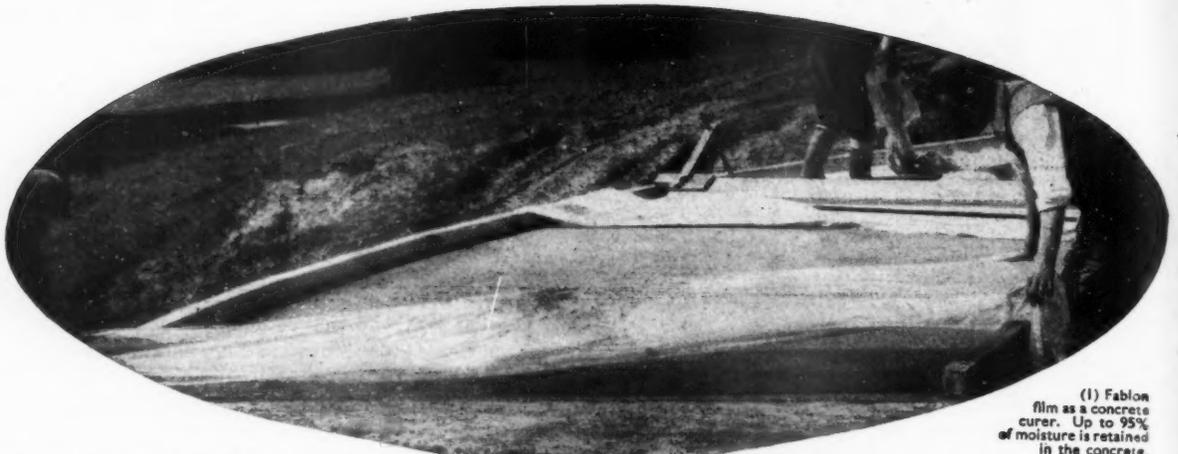
Translating the foregoing description of blocks and wings into terms of hostel accommodation, the main block, entered on the upper level, contains the reception area and offices and a common-room at this level, with two floors of dormitories above and a warden's flat in the form of a penthouse above that. On the lower level is another common-room serving as a foyer to the dining-room which, together with its kitchens, occupies the single storey wing to the north. The two-storey wing linking this at right-angles to the old building contains more dormitories on the upper floor with washrooms, laundry rooms and so on below. The old building itself has still more dormitories and two sub-wardens' flats. See plans on page 910.

The reception area immediately inside the entrance to the main block, which presumably must also serve as an assembly area for parties of members, is spacious and well planned to allow control of arriving and departing members as an operation to be kept separate from the use of the hostel proper. It contains an information office and a small shop. The latter is, perhaps, not very well placed at the turn of a narrow corridor where people waiting to be served might block the traffic, but the numbers are likely to be small so this is not a serious defect.

In the plans the common-rooms look small for 200 members (especially since the main common-room, at entrance level, is also designed as two committee-rooms, separated by folding doors), but the experience is, I believe, that a youth-hostel in London does not need much social space because as soon as they have had their evening meal members staying the night tend to sally out to a theatre or to see the town, and do not return until bed-time.

The fairly open planning on the lower floors and, in particular, the use of an open stair-well, give a feeling of space inside the main building in spite of its restricted floor area. The dormitories on the upper floors provide twelve beds each and are arranged in pairs, each pair sharing one washroom (which also contains baths and lavatories). This means of course that members of the same sex must occupy the whole floor. Dormitories are furnished with double-tier beds, very closely spaced, but this is normal in a youth-hostel, whose members expect much less than hotel-standard comfort and privacy in return for the very low charges. All dormitories have cross-ventilation. The wash-rooms are, like the dormitories, of minimum dimensions but are adequate.

There is some tight, but again adequate, planning of escape stairs, which also serve the warden for supervision purposes. The views from the dormitory windows, looking either at close quarters into the surrounding trees or across the courtyard to the



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The reception area: reception desk on left; information office and doors to lavatories at far end; entrance doors on right; stairs down to dining-room and other wings right foreground.



The lower foyer, with window looking on to sunk courtyard; door to dining-room on right.

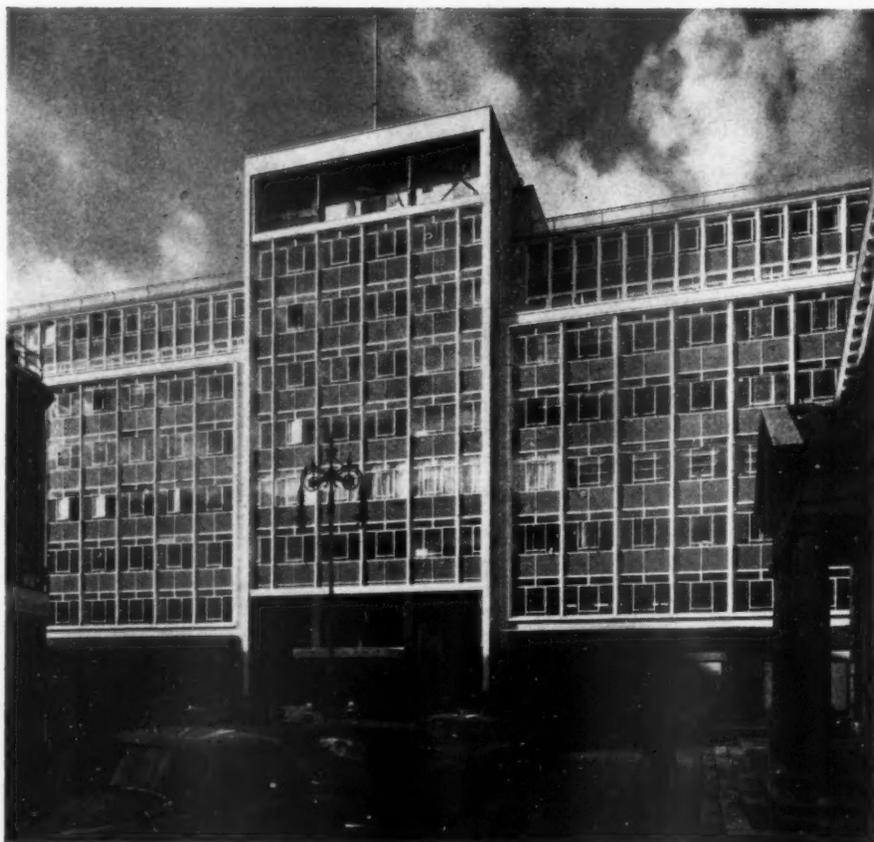
Inside the dining-room; cafeteria service on right: large windows on left with covered way outside.



Jacobean wing, are delightful, and the warden has a flat, looking over the tops of the trees, which anyone might envy. Besides the trees and the old buildings, the most prominent feature of the views from the upper floors is of course the flat roofs of the two lower wings. The architects have taken pains to keep these free from unsightly protruberances, but the large expanse of speckly grey asphalt is nevertheless not very attractive. The dormitories in the lower wing (which provide altogether 58 beds) also look over the courtyard, with cross-ventilation through high-up windows facing the gardens on the north. They have similar wash-rooms, but on the floor below (at the level of the courtyard), reached by internal staircases. Although the layout of the accommodation has been strongly influenced by questions of aspect and the need to group the various elements, as already described, so as to preserve the views of the old wing, the plan seems to function very well, its weakest point being, perhaps, the means of access to the accommodation in the old wing and the two-storey wing adjoining it. These are reached by descending the stairs that lead from the main entrance down to the dining-room, and either passing through the latter or along a covered way immediately in front of its windows. Another covered way passes in front of the linking wing to the entrance to the old wing. One's misgivings are partly that these means of access are not very clearly defined—in practice short cuts across the grass are more likely to be used, and perhaps there is no harm in this—and partly that in a building catering all the time for visitors not already familiar with it, the means of access to the various parts ought to be not only adequate but quickly grasped from the moment of entrance.

I have not said anything about the planning inside the old building, because this was simply a question of making the best use of available space. There are dormitories on each floor (providing 89 beds in all), a small common-room on the ground floor and two sub-wardens' flats on the ground and first. The wash-rooms have been skilfully fitted into the tower that I have already referred to, which has been extended a little distance to the south—that is, inside the remains of the old building. The only regret I have is that (except on the top floor) the space inside the old wing has, unnecessarily it would seem, been subdivided to give rooms that are inevitably too high in proportion to their area, and appear rather poky. The tall Jacobean windows are out of scale in these comparatively small rooms, and only come into their own in the more spaciouly divided upper floor.

I have not dealt with the internal furnishings of the hostel, because these were not the responsibility of the architects, but the total effect is agreeable enough and the architects' built-in fittings and finishes are well detailed and sensible. The interior is in fact at its best when plainest, and one would have liked an even greater insistence on simplicity and on the robust use of natural materials, which would have accorded even better with the youth-hostel tradition, founded on the rough-and-ready accommodation of camp, farmhouse and mountain-hut.



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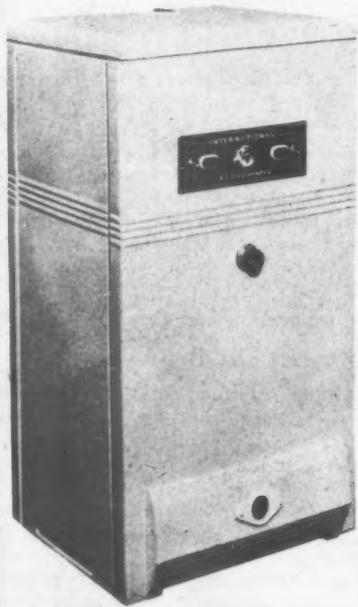
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THE INDUSTRY

Brian Grant describes two small-bore heating boilers, a wiring continuity box, a plastic bath and fireclay sanitary fittings.

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provide heat to the appropriate areas, turning the living rooms up and the bedrooms down during the day, and *vice versa*. Both models need an a.c. supply of 230/250 v., as well as gas. (*International Boilers and Radiators Ltd., Bucklersbury House, 83, Cannon Street, London, E.C.A.*)

Simplified wiring

The setting out of ceiling boxes and bending lengths of conduit to the relatively small radius necessary is a time-consuming job, and a good deal of effort as well as cost can be saved by using Blaco continuity boxes, which, as can be seen from the picture on the right, allow straight lengths of conduit to be run in the floor topping. There are also secondary advantages, as a certain amount of cable is saved and it should not be necessary to expose or dispose reinforcing rods in precast floors. The boxes are made in heights of 6 or 8 in. overall, and with up to four screwed outlets to take conduit. (*F. C. Blackwell & Co. Ltd., Great Crosby, Liverpool 23.*)

Baths in plastics

Monks & Co. have recently added to their range a glass reinforced plastic bath which is produced in a series of colours to match standard sanitary ware. Front and end panels can be supplied either to match the bath or in contrasting colours, and the front panel is recessed so that children are more easily reached when in the bath. Prices are less than cast iron baths, particularly in colours. (*M. Monks & Co. Ltd., Bridge Road, Woolston, Warrington, Lancs.*)



Above, the Blaco continuity box. Left, a glass-reinforced plastic bath by Monks & Co.

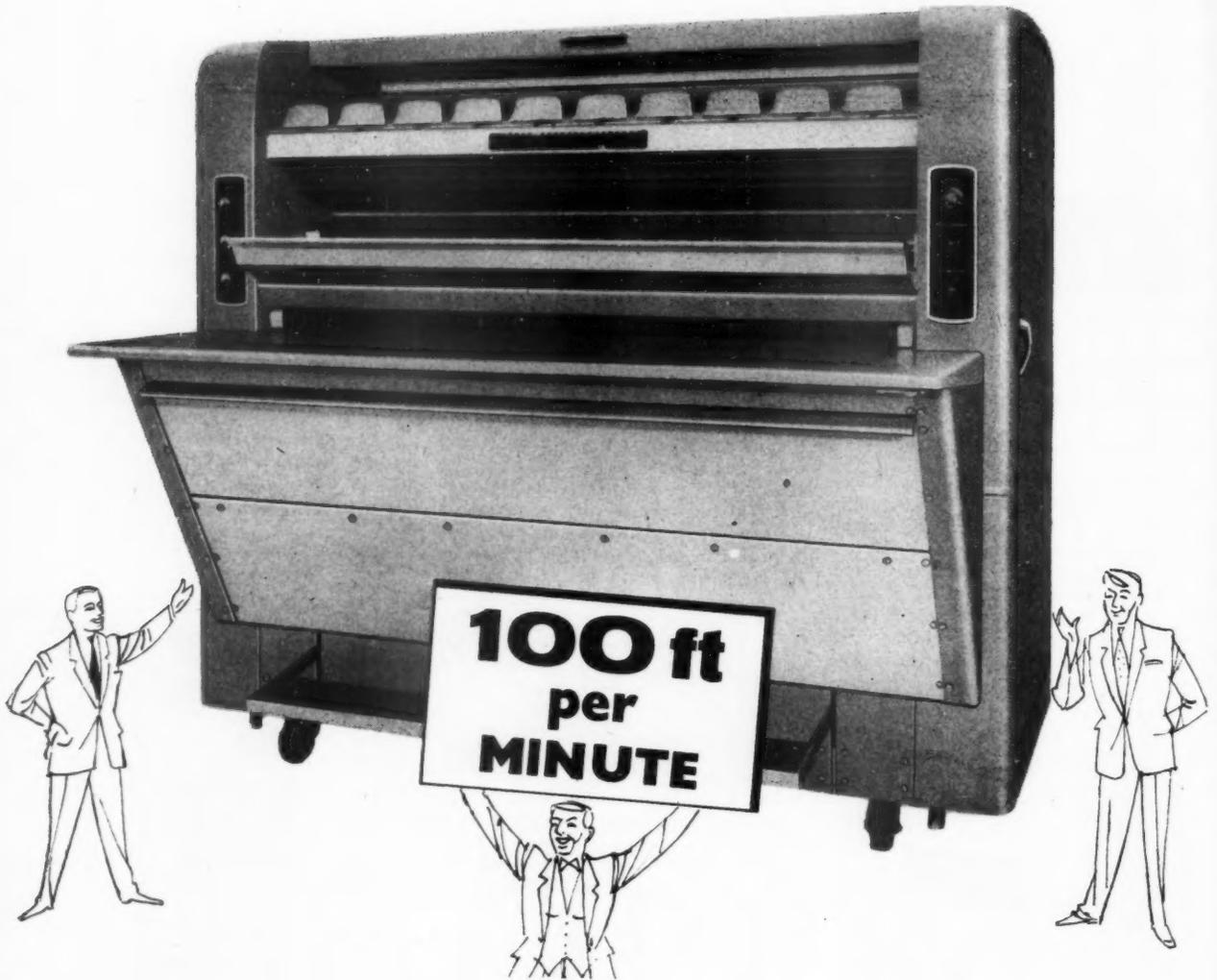
Glazed fireclay fittings

A booklet published by the British Sanitary Fireclay Association sets out the development of the industry from the earliest times and stresses the advantages of fireclay over other materials from the point of view both of strength and of durability. A further advantage is that experimental designs can be produced to architect's requirements at reasonable cost, and it is certainly true that there has been a very considerable revision of designs over the last five years or so, as can be seen from the illustrations in the booklet. Copies from the Association at 57, Great George Street, Leeds.



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INFORMATION CENTRE

10.180 design: building types PUBLIC LIBRARIES

The Small Public Library Building. By H. R. Galvin and M. Van Buren. Published by Unesco, 1959. Available from HMSO. 10s. Unesco, having received numerous requests from librarians for advice, commissioned a Director of Libraries and an interior architect, Americans jointly experienced in this field, to write this manual which sets out to be an international guide book on the building and equipping of small public libraries. The authors treat the subject thoroughly, though necessarily in wide and general terms, leaving the individual according to his local circumstances to choose from a complete array of requirements and alternatives. Proper stress is laid on the importance at the outset of the team of experts together preparing a clearly defined and comprehensive programme which also takes into account possible future expansion and development. The architect's rôle is worth quoting: "Architects are trained to solve the peculiar problems of the owner, but the owner must always be able to identify his problems." It is stated that the site for a library must be in the central shopping area, the relatively high cost not being wasted in the long run. The chapter on "Relationship of Areas" boils down to almost everything being related to everything else; that on "Building Materials" is principally of interest to the layman. Furniture and fittings are treated in detail and a final chapter deals with the remodelling of existing buildings for library use.

The architect will find in this book much valuable information on accommodation requirements, including figures on areas and dimensions for fittings. In passing he will discover that "one-quarter to one-half of an employee is required for every thousand of population."

19.216 construction: details WOOD FLOORS FOR UNDER FLOOR HEATING

Warm Floor Heating and Wood Floors. TDA. Free.

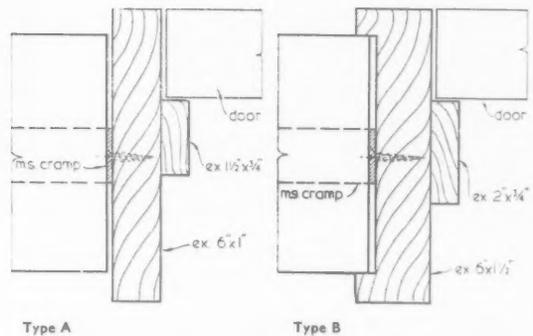
This four-page cyclostyled handout gives advice on which woods to choose for this purpose. Teak, missanda, iroko, muhuhu, mininga, panga panga, Rhodesian "teak" and African mahogany give "an exceptionally fine performance." For sticking down floors bitumen mastic is *not* suitable; but the following bonds have given satisfactory results under test: "Revertex," "Floortex" and "Slough." Screeds should be laid three to four weeks before heating is turned on. Heat should be turned on for short periods daily and the floor should not be brought to its maximum temperature for a week.

8 SURVEYING & SPECIFICATION

cost variation in common building items, 3 internal door frames and linings

In this their third article,* the authors, Messrs. Handisyde and Taylor and Arthur J. Willis and Thompson, complete their study of internal doors by considering frames and linings.

The second article in the series dealt with internal doors. To complete the picture this article considers the effect of the design of door frames and linings upon cost. This, and the previous article, should, therefore, be considered together at the design stage and it is interesting to see from the figures that there is likely to be more difference in cost in the frames and linings than in the doors. With this in mind, the designer might well find it possible to have a fairly high quality door and still keep within a desirable cost limit by being careful over the detailing of the door surround.



Wood linings and frames for internal doors

All comparisons relate to linings, etc., for 2 ft. 6 in. x 6 ft. 6 in. doors.

Softwood linings and frames include for priming and painting two undercoats and one finishing coat and those in hardwood include for wax polishing.

Where plastered reveals are shown, the cost of these is included.

Fixing slips, fixing bricks or cramps are excluded.

Openings in 4½-in. partition fairface both sides	Hardwood at 35s 0d f.c.	
	Softwood %	%
A. 6-in. x 1-in. lining, with 1½-in. x ½-in. stop	100†	211
B. 6-in. x 1½-in. lining, grooved at back for partition, with 2-in. x ½-in. stop	146	293

* Previous articles in this series appeared as follows: wood windows, April 23; internal doors, May 28, 1959.

† 100 per cent equals approximately £2 15s. 0



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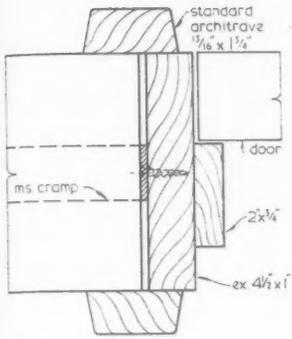
Tecta Furniture Limited, Dept. A.J., 119 New Bond St., London, W.1. Tel: MAYfair 6481. Please write for further information to this address



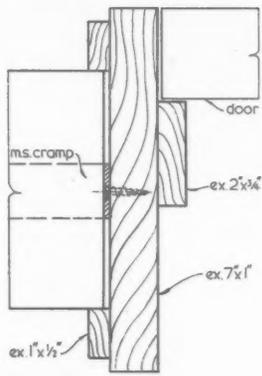
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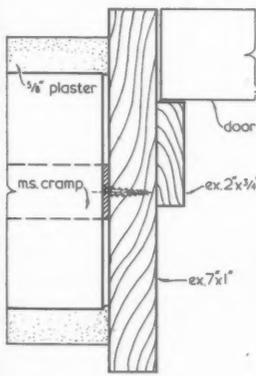
technical section



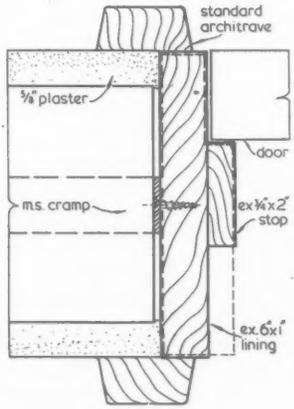
Type C



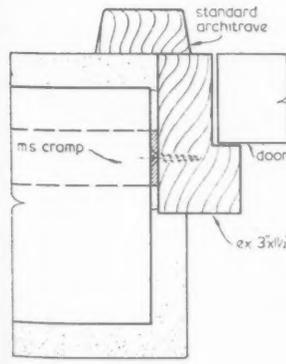
Type D



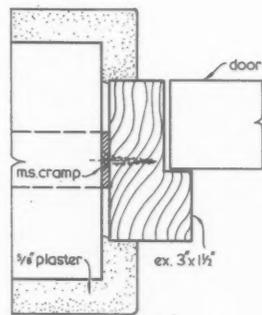
Type E



Type F



Type G



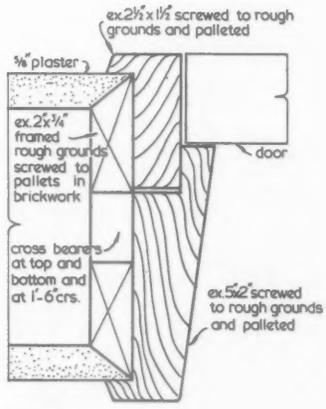
Type GA

Openings in 4 1/2-in. partition fairface both sides (continued)
 C. 4 1/2-in. x 1-in. lining, with 2-in. x 1/2-in. stop and 2-in. x 1-in. twice splayed architrave both sides
 D. 7-in. x 1-in. lining, with 2-in. x 1/2-in. stop and 1-in. x 1/2-in. cover fillet both sides

Softwood %	Hardwood at 35s Od f.c. %
149	345
126	260

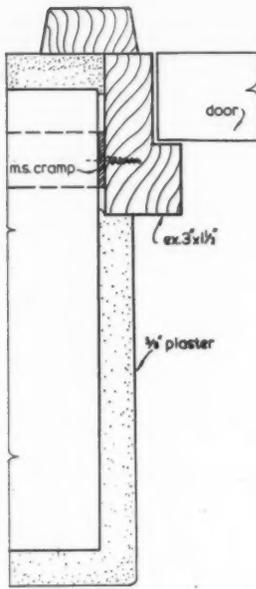
Openings in 4 1/2-in. partition plastered both sides
 E. 7-in. x 1-in. lining, with 2-in. x 1/2-in. stop
 F. 6-in. x 1-in. lining, with 2-in. x 1/2-in. stop and 2-in. x 1-in. twice splayed architrave both sides
 FI. 6-in. x 1 1/2-in. rebated lining, with 2-in. x 1-in. twice splayed architrave both sides
 G. 3-in. x 1 1/2-in. rebated frame, with 2-in. x 1-in. twice splayed architrave one side and plastered reveal
 GI. 4-in. x 2 1/2-in. rebated frame, with ditto
 GA. 3-in. x 1 1/2-in. rebated frame, with plastered reveals up to both sides of frame
 H. Built-up lining of 5-in. x 2-in. and 2 1/2-in. x 1 1/2-in. members fixed to sawn grounds

Softwood %	Hardwood at 35s Od f.c. %
122	239
155	375
167	403
126	267
183	389
114	196
242	462

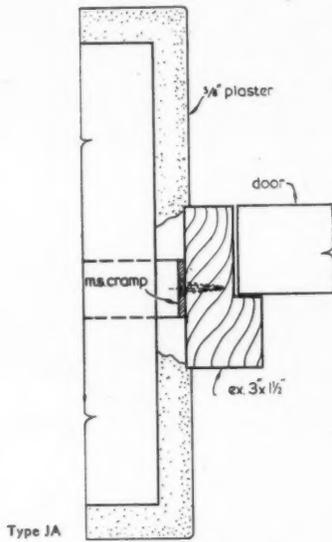


Type H

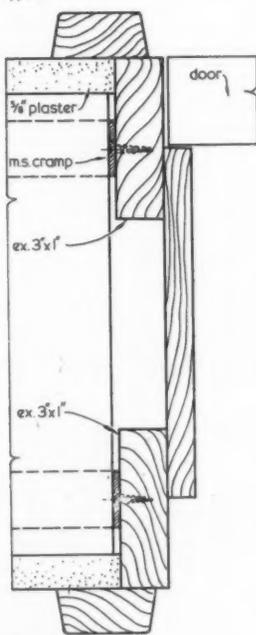
technical section



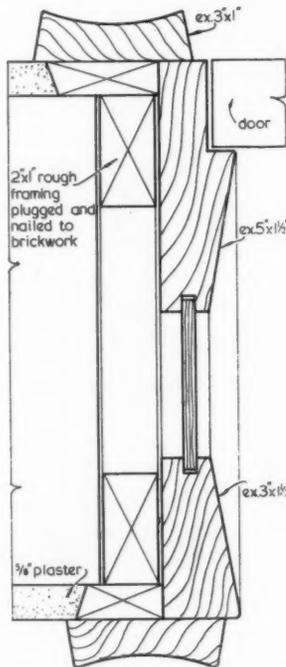
Type J



Type JA



Type K



Type L

Openings in 9-in. wall plastered both sides

- J. 3-in. x 1 1/2-in. rebated frame with 2-in. x 1-in. twice played architrave one side and plastered reveal up to frame the other
- JA. 3-in. x 1 1/2-in. rebated frame, with plastered reveal up to both sides of frame
- K. Built-up lining of one 7 1/2-in. x 3/4-in. member and two 3-in. x 1-in. members with 2-in. x 1-in. twice played architrave both sides
- L. 10 1/2-in. x 1 1/2-in. panelled linings on 2-in. x 1-in. framed ground, with 3-in. x 1-in. architrave both sides fixed to 2-in. x 3/4-in. grounds

	Softwood %	Hardwood at 35s 0d f.c. %
J	137	277
JA	136	217
K	206	433
L	351	827

Conclusions

Frequently, the choice of material and the detailed design of internal door frames or linings is determined by the class of job. Certainly the choice of the material and finish has to be decided together with that of the doors so that this article should be considered jointly with the preceding one which dealt with the cost of the door itself. In spite of this, it does seem that fairly frequently a somewhat arbitrary choice is made when detailing and that the cost implications are not always appreciated.

The main points brought out of this analysis are:

1. That for all cases the costs in a moderately priced hardwood are about 2 to 2 1/2 times the cost in softwood.
2. That the effect of detailed design on cost is very roughly up to 50 per cent. in the case of thin unplastered walls, up to 100 per cent. in thin walls plastered and in thicker walls up to 150 per cent. in softwood and as much as 200 per cent. in hardwood.
3. On plastered walls, it appears to be cheaper to reduce the amount of woodwork and to carry the plaster round as a reveal, except for the crudest type of wood lining detail.
4. In spite of the expense of hardwood, it can be seen that it is possible to use a very simple hardwood detail for very little more cost than that of a more elaborate softwood design. The cost of the linings or frames can vary by something like 700 per cent. between the simplest softwood type in a 4 1/2 in. wall and a fairly elaborate type in a 9 in. wall. In a house, where the range is more likely to be about 175 per cent., the effect on the cost of a four-bedroom house would be something like 2 1/2 per cent. on the total cost of the job. It is interesting to note that this is over twice as much as the probable effect of variations in doors on a similar job.

Correction

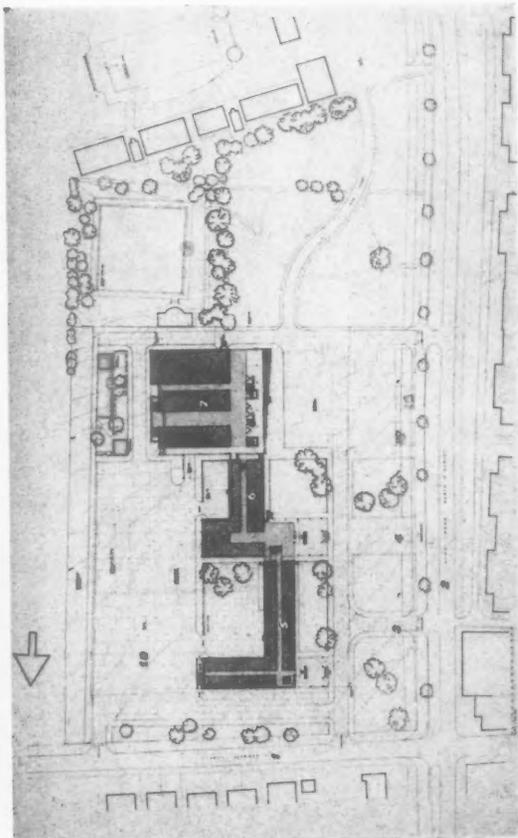
The Editors regret that there were two significant errors in the last article of this series, for which the authors were not responsible. In the Table on page 807, Door Type 2, at the head of the second column of figures, 1 1/2 in. should read 1 3/4 in. Also in Conclusions on page 808, the second sentence in the first paragraph should read: "In a house, where the range in cost would be more likely to be about 100 per cent., the effect on a four-bedroom house would be of the order of 1 per cent. on the cost of the job." Not "10 per cent. on the cost of the job" as printed.

FINCHLEY TOWN HALL COMPETITION: WINNING DESIGN BY LYONS, ISRAEL AND ELLIS

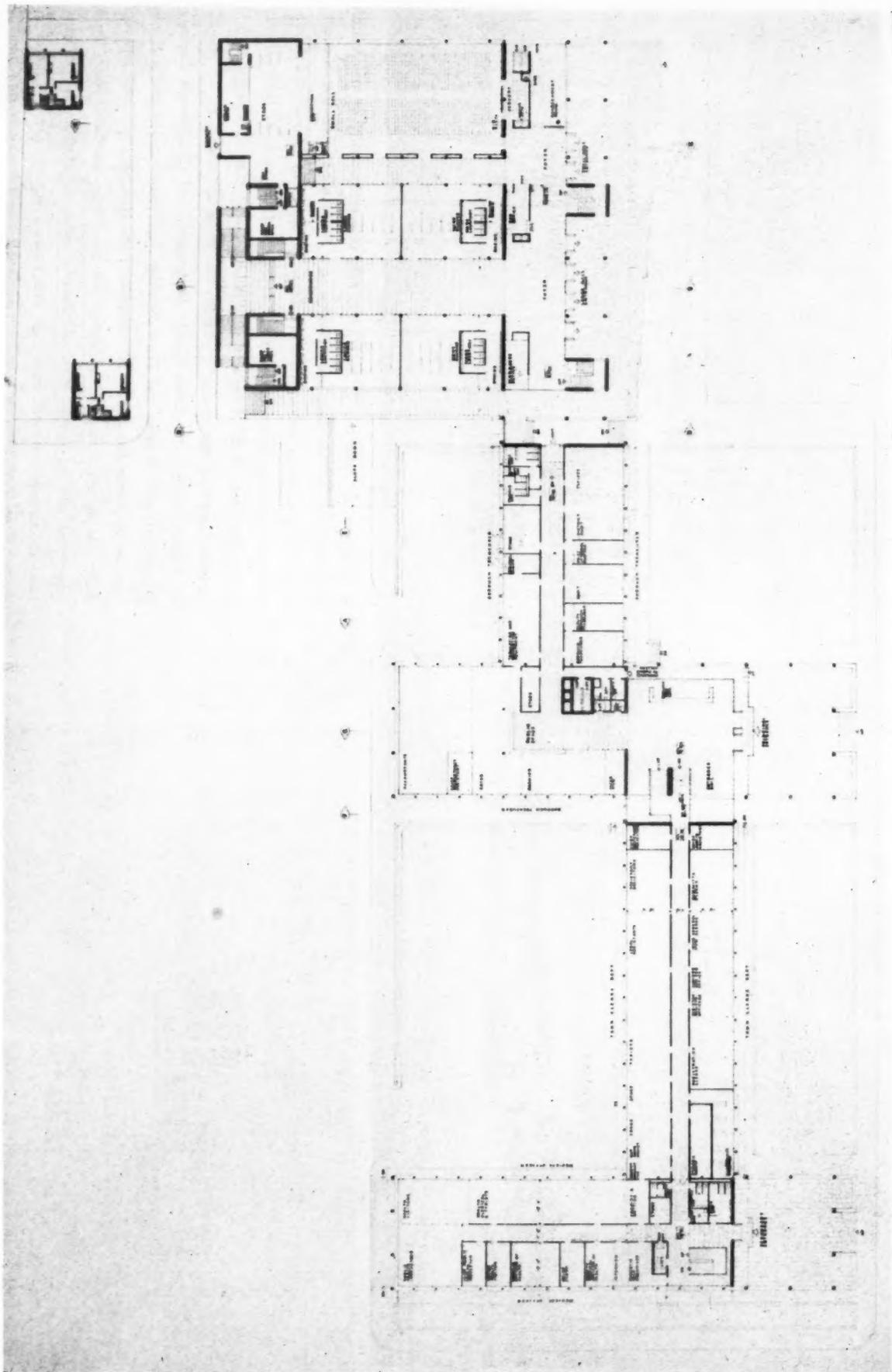


E. D. Lyons, L. Israel and T. B. H. Ellis have been recommended as the architects for a new town hall and municipal buildings on a 5-acre site at Finchley, Middlesex, as a result of a limited competition. The assessor was Sir Percy Thomas, and the other architects invited to compete were Cecil Howitt and Partners, E. Berry Webber, P. D. Hepworth, R. H. Uren and R. Rowland Pierce. The accommodation to be provided comprised two groups of offices, etc. to be as contiguous as possible: (a) Council Suite with Town Clerk's Department, and (b) Borough Engineer's Department, with Housing and Town Planning Department; a Treasurer's Department on the ground floor, and a self-contained Town Hall unit, with large and small halls. The materials proposed to be used are: red-brown hand-made facing bricks, Heaby slate sills and copings, Portland stone dressings to special windows, Hoptonwood stone to entrance doorways, slate steps and external paving. The structure is r.c. frame, external brick cavity walls, r.c. suspended floors, roofs and staircases. The cost is estimated at £847,430.

- 1. Summer Lane
- 2. High Road
- 3. Vehicles
- 4. Pedestrians
- 5. Administrative
- 6. Principal entrance
- 7. Town Hall
- 8. Large hall
- 9. Small hall
- 10. Car park

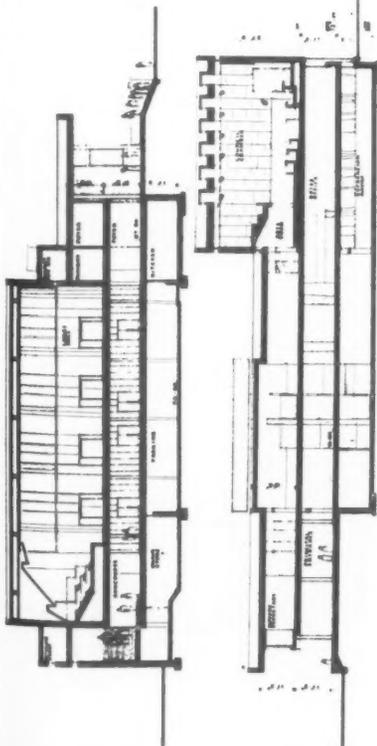


FINCHLEY TOWN HALL COMPETITION: WINNING DESIGN BY LYONS, ISRAEL AND ELLIS continued



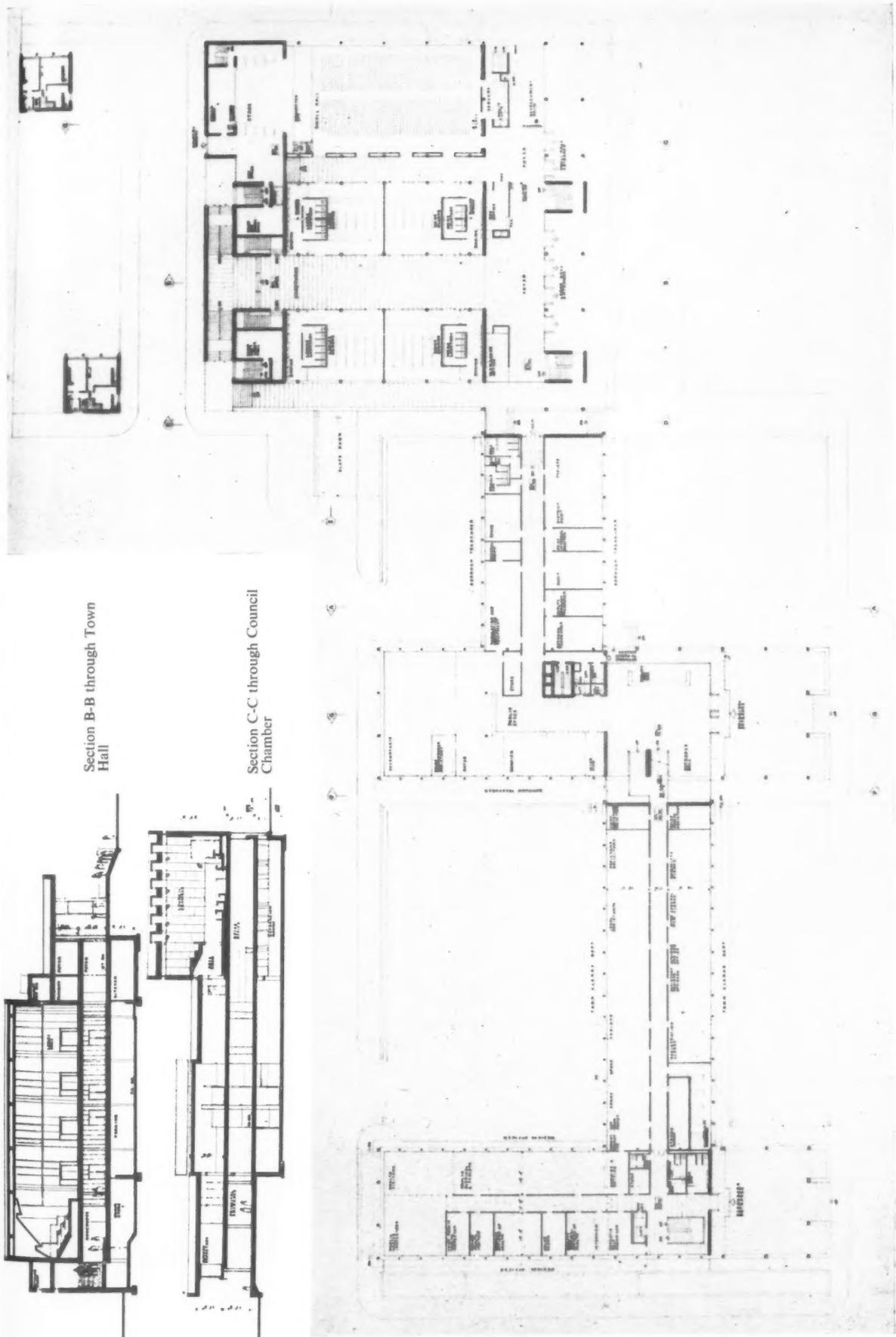
Lower ground floor plan

Lower ground floor plan



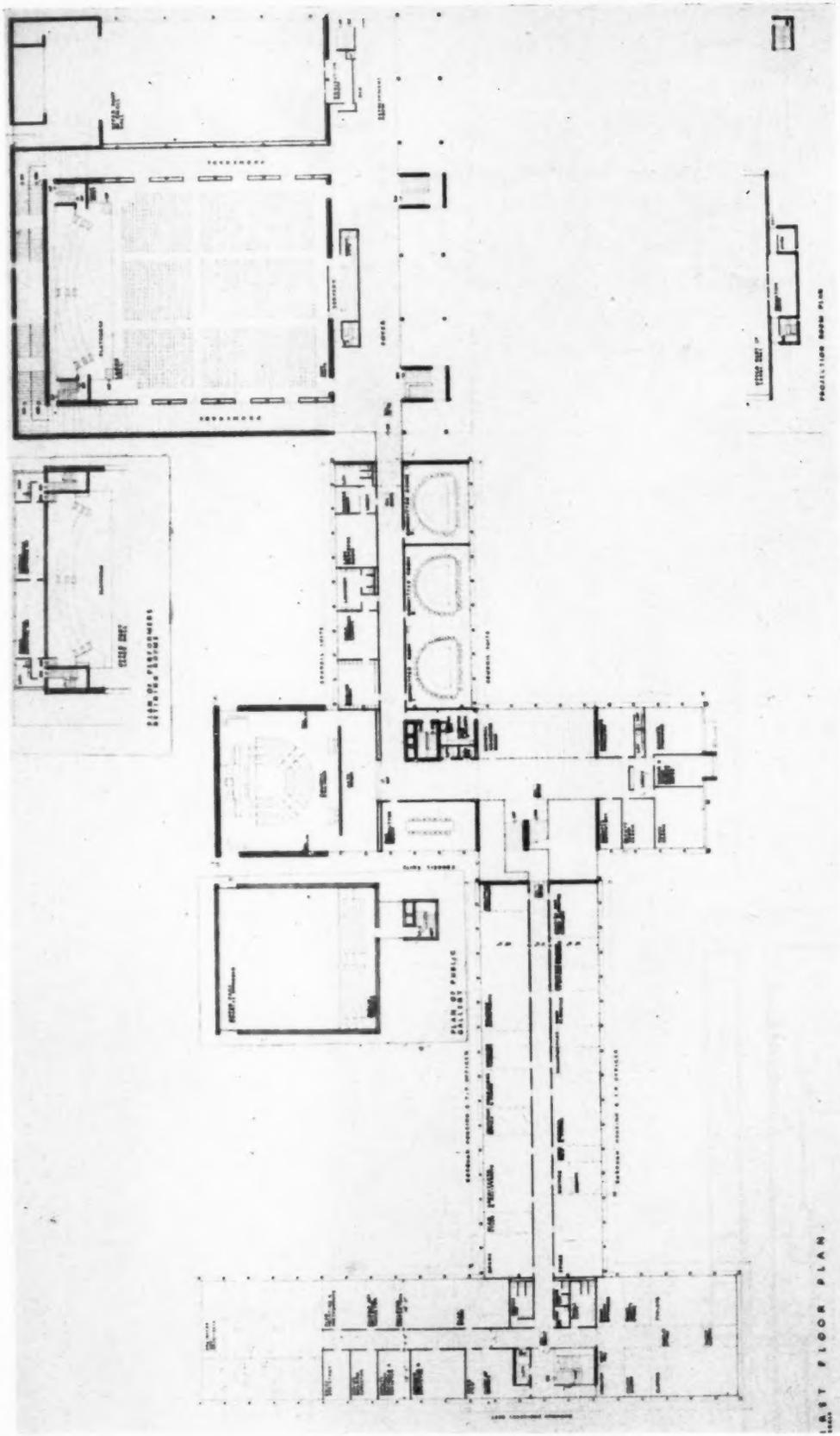
Section B-B through Town Hall

Section C-C through Council Chamber

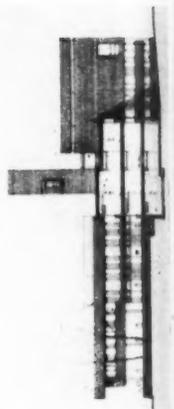
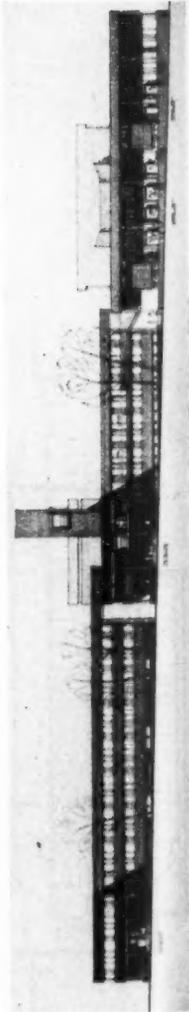


Ground floor plan

FINCHLEY TOWN HALL COMPETITION: WINNING DESIGN BY LYONS, ISRAEL AND ELLIS continued



First floor plan



Far left, elevation to High Road. Left, north elevation

Far left, elevation to High Road.
Left, north elevation



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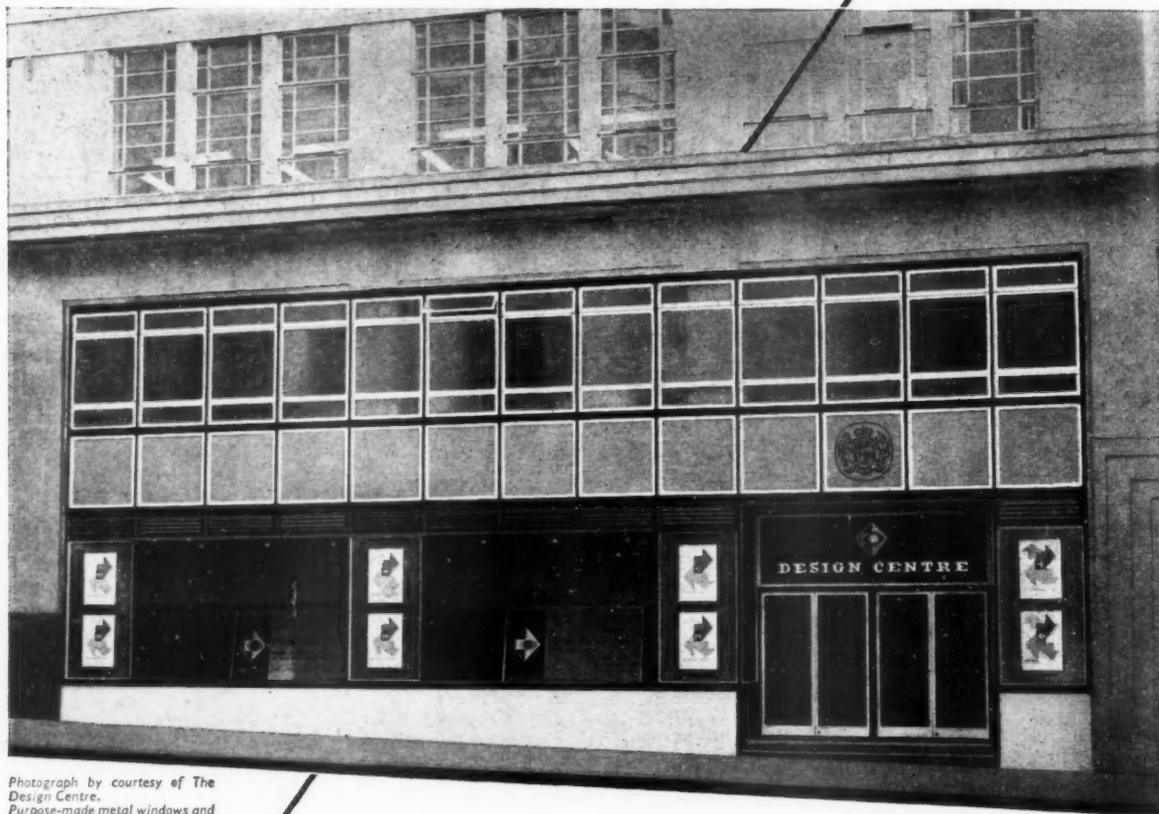
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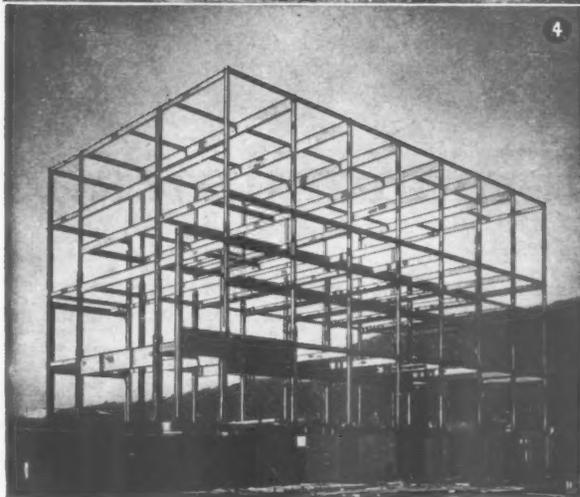
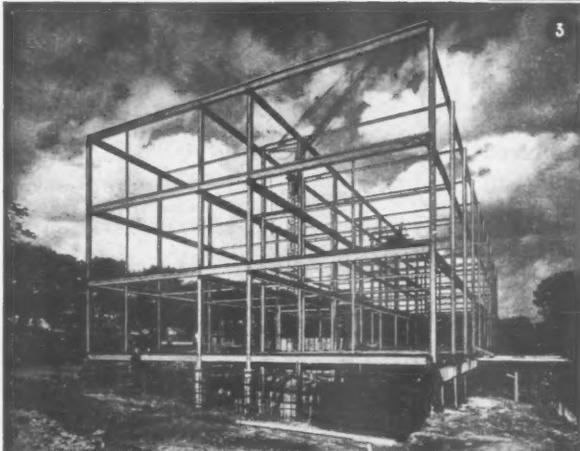
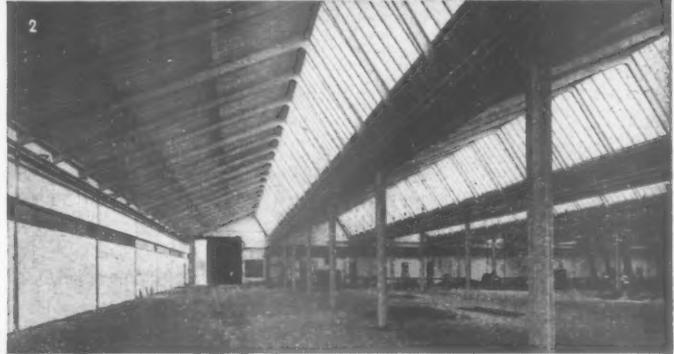
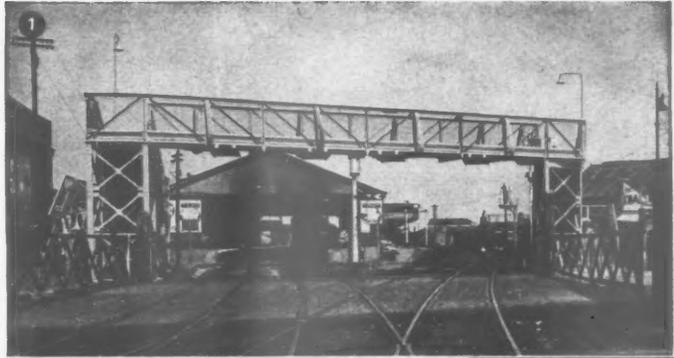
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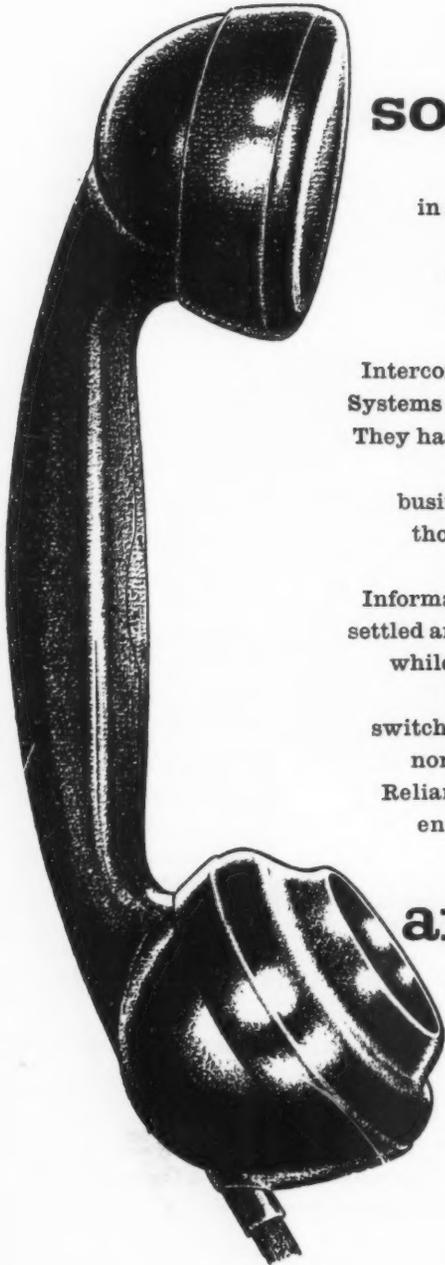


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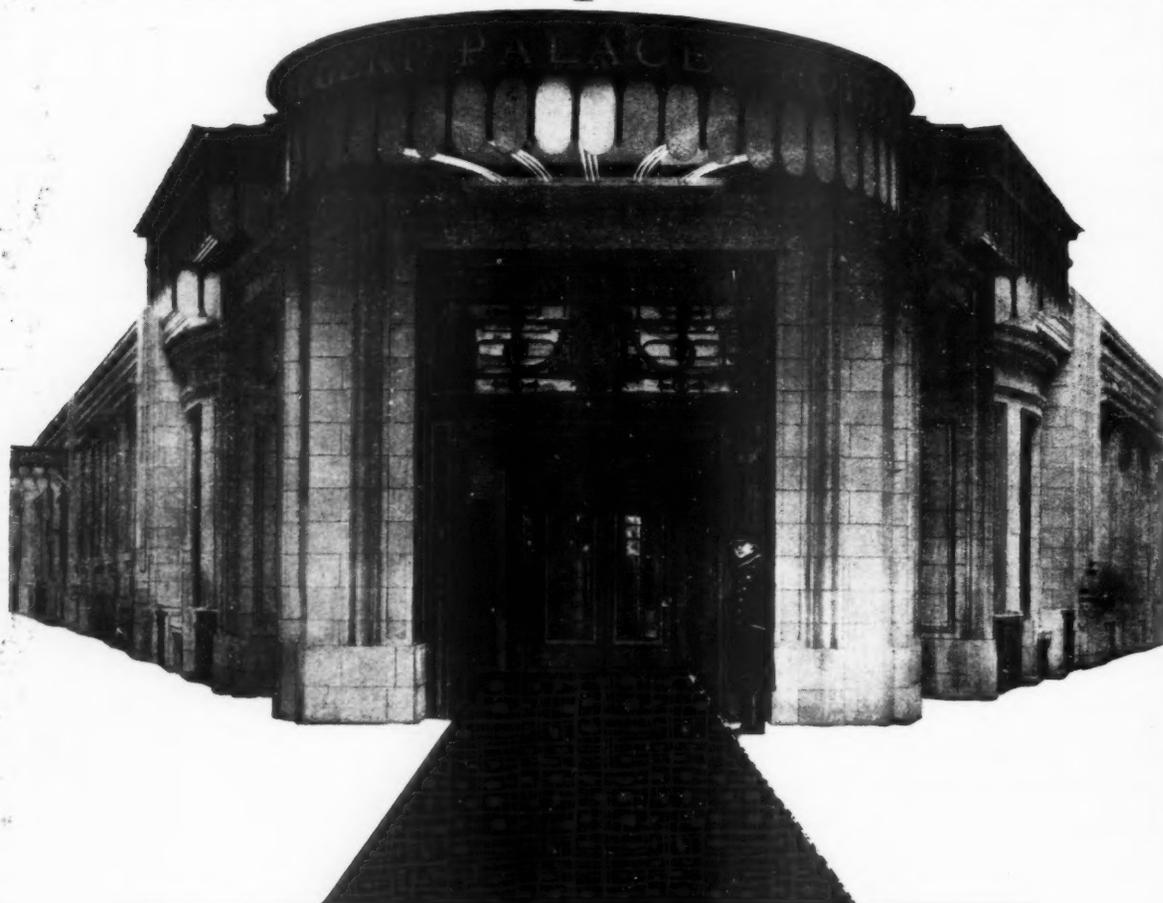
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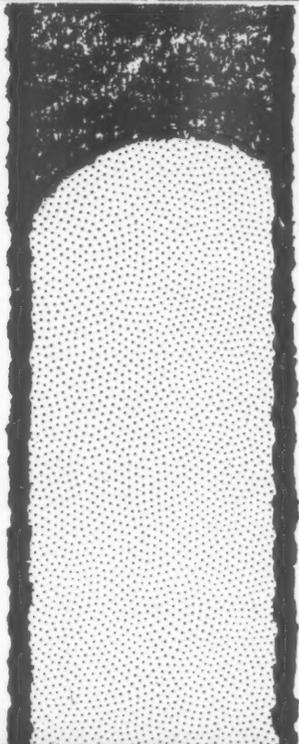
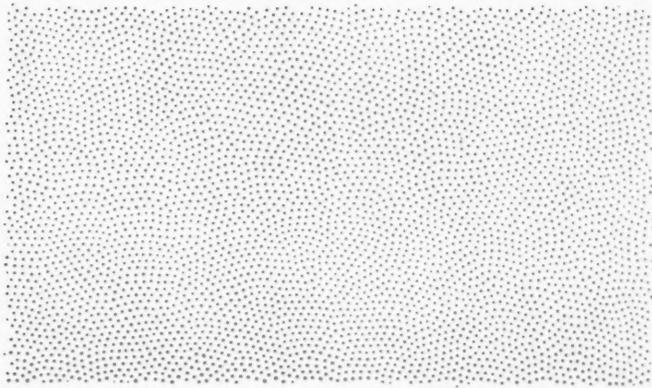
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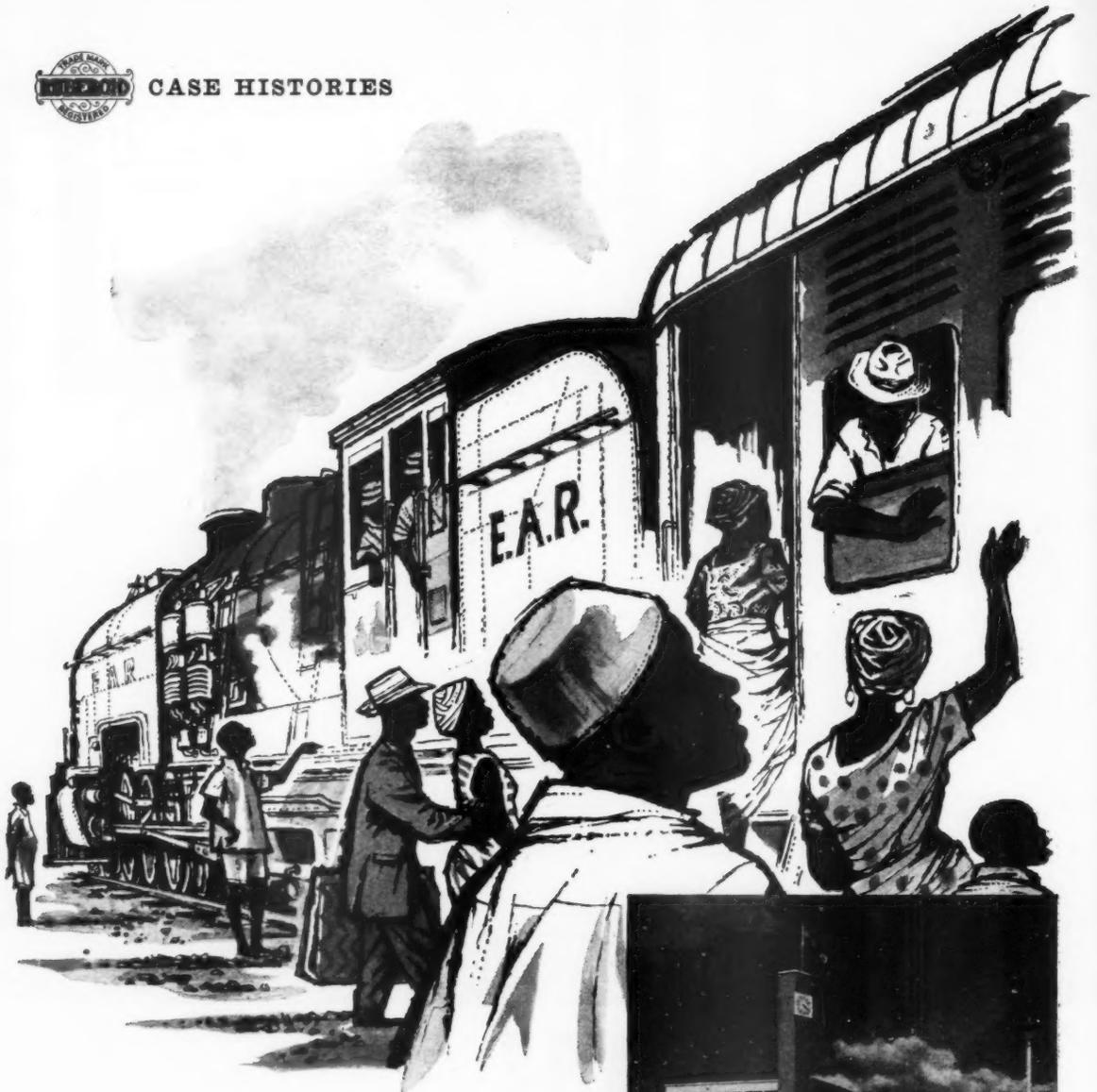
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The Wincilate Group



CASE HISTORIES



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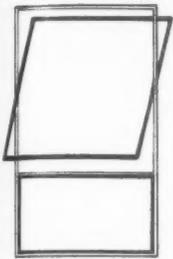
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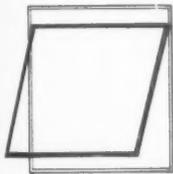
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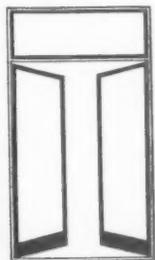
Vertical Pivot
Hung



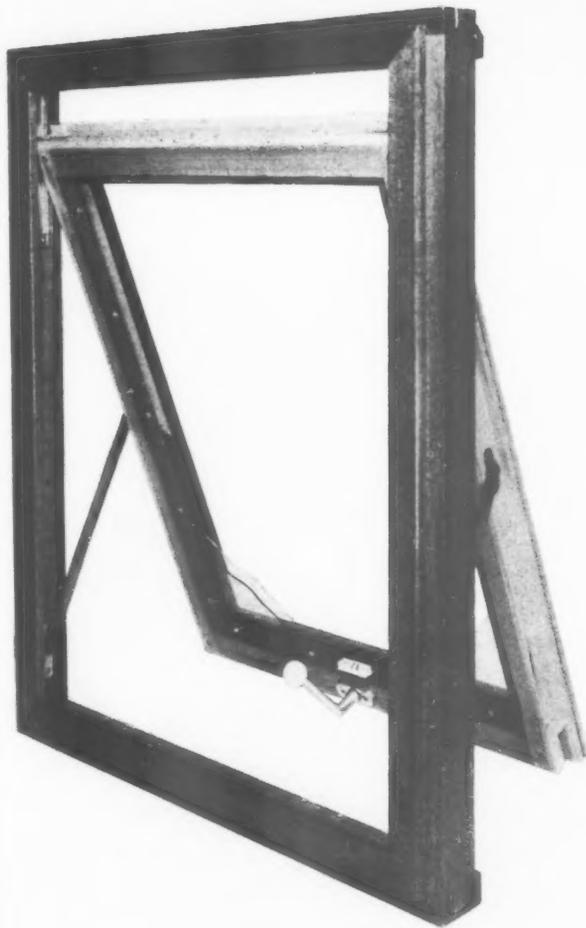
Projecting Top
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The HA Window System

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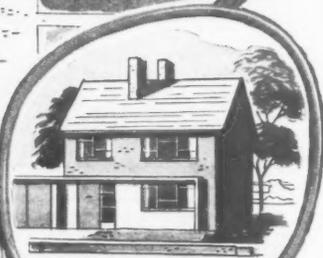
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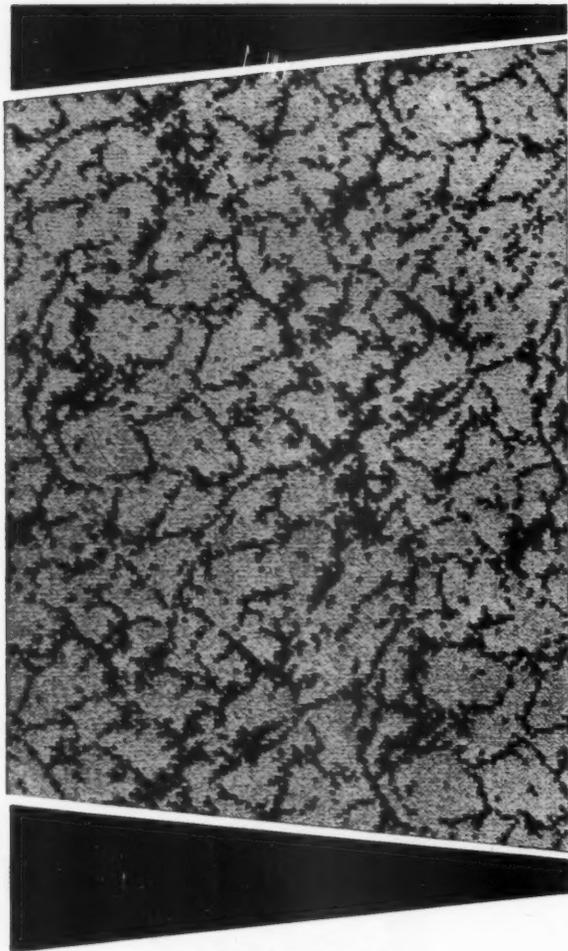
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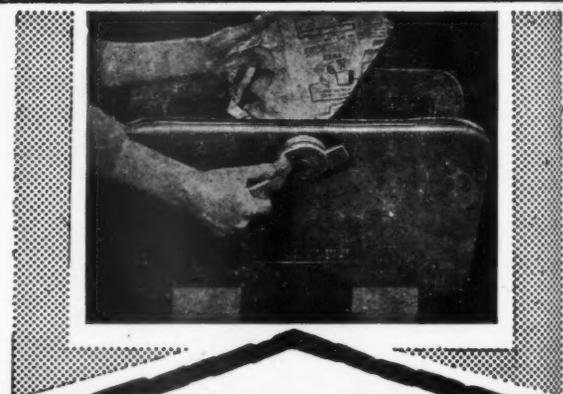
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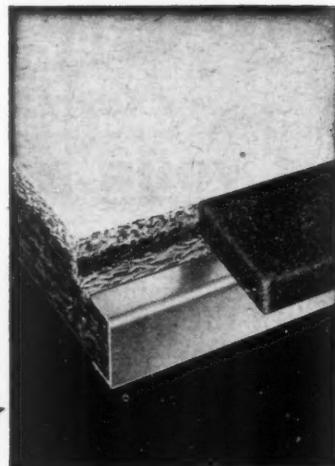
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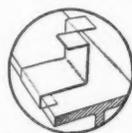
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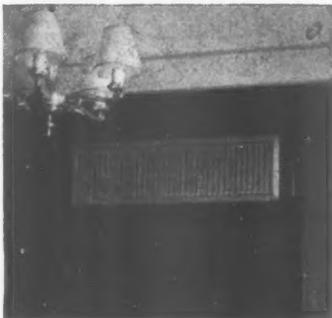
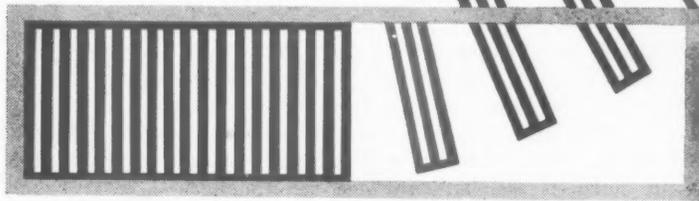
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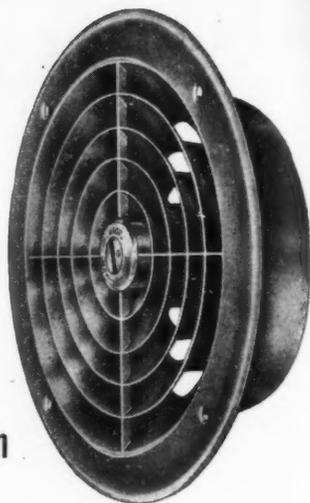
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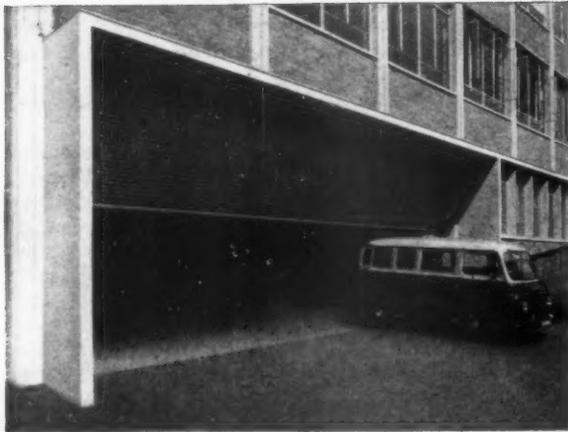
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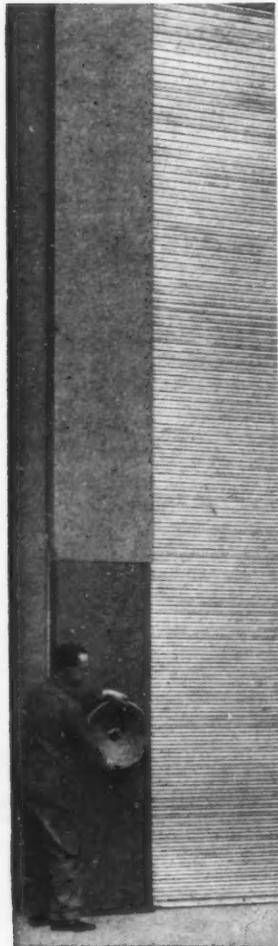


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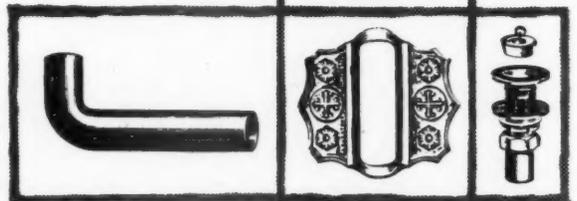
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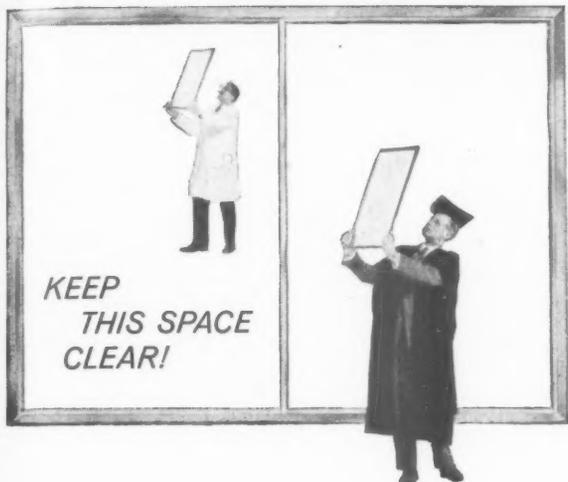


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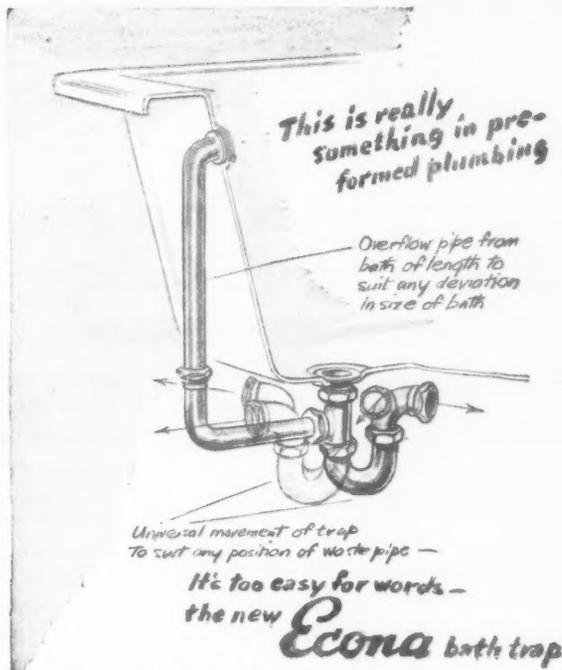


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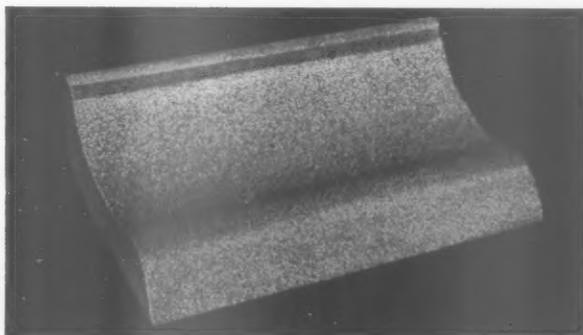
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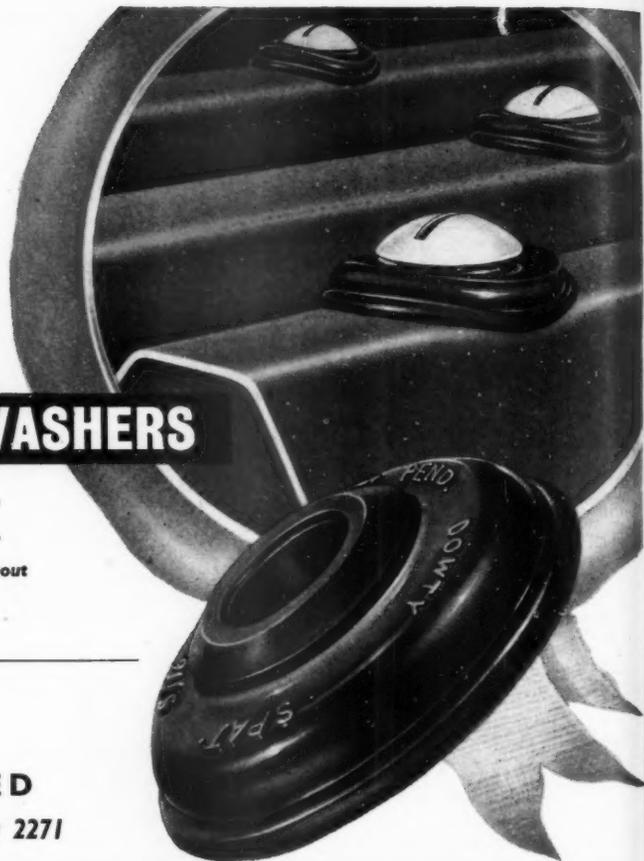
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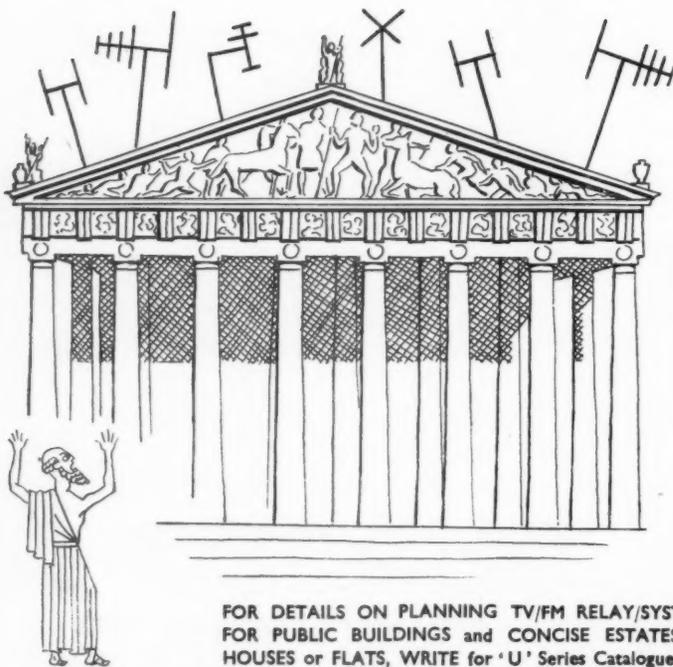
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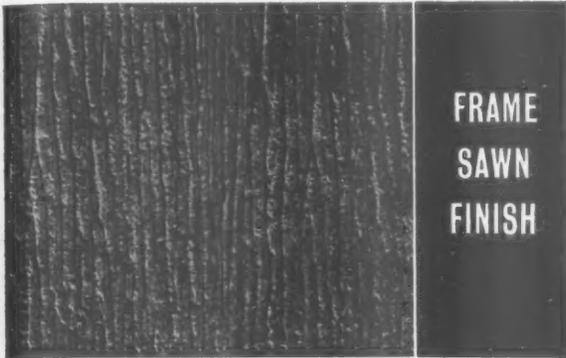
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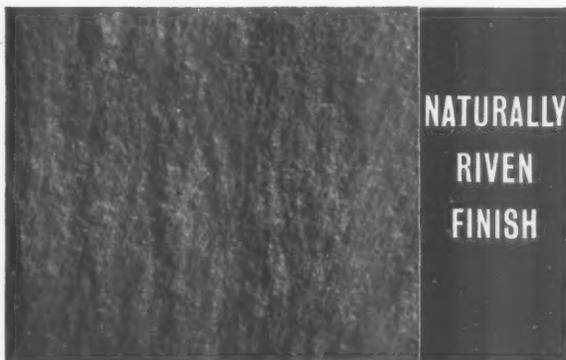
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CLASSIFIED ADVERTISEMENTS

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.

AIR-MAIL SERVICE available on request: In response to requests from a number of Overseas subscribers for air-mail delivery of Public and Official Appointment details and Other Appointments Vacant, we have been pleased to arrange that cuttings of all such classified advertisements appearing in the A.J., shall be despatched by air-mail on Wednesday of each week (one day prior to A.J. publication date). The cost of this special service to Overseas subscribers will be 5s. for four weeks (1s. 3d. for each additional week) and prepayment should be sent by subscribers wishing to take advantage of this service. The charges we are making represents only the actual cost of the postage involved.

Public and Official Announcements

30s. per inch; each additional line, 2s. 6d.

NOTTINGHAMSHIRE COUNTY COUNCIL

APPOINTMENT OF ASSISTANT ARCHITECTS
Applications are invited from students who have passed the Final examination of the R.I.B.A. or the Diploma examination of a recognised School or from qualified Architects, to work on the County Council's major building programmes. These programmes are divided into four groups of approximately eight Architects per group, under a Group Leader. All the Architects in the group carry out in turn the design, organisation and supervision of projects as Job Architects through all stages of the job from sketch plan to completion.

As part of carrying out the County Council's building programme, the office has a policy of continuous development in planning and construction, on which all Architects take part from time to time. In the planning of new buildings, research into the detailed requirements is carried out jointly with the client department. Time is allowed for this research as part of the sketch plan period. On construction, the office is committed to the design, development and control of component prefabrication for all major types of building. The responsibilities of the department also include design of furniture and equipment for all types of County Council buildings.

The posts are within the A.P.T. Special Scale (range £785-£1,070). Commencing salary according to ability and experience, starting dates by agreement.

Forms of application may be obtained from the County Architect, County Hall, West Bridgford, Nottingham, to whom they should be returned as soon as possible.

A. R. DAVIS,
Clerk of the County Council.

CITY OF HALIFAX, NOVA SCOTIA, CANADA

ASSISTANT PLANNER
Urgently required to assist the Director of Planning, K. M. Munnich, in work on an extensive redevelopment programme shortly to be undertaken by the City.

Candidates to this new post should be members of the Town Planning Institute and the Royal Institute of British Architects, with considerable design ability and experience in three dimensional planning.

The work will include design for residential and commercial renewal of the central area of the City and Development Plans for the whole of Halifax. It will offer to the successful candidate splendid opportunities for self-expression in progressive planning and professional advancement.

Salary range from \$5,544 to \$6,600 per annum depending on experience. Help in defraying travelling expenses from overseas a strong possibility for the successful candidate.

Apply by Air Mail enclosing a recent photograph and stating age, marital status, education, training, details of experience, names and addresses of three references and when available to G. F. West, Commissioner of Works, City Hall, Halifax, Nova Scotia, Canada.

K. M. MUNNICH,
Director of Planning.

COUNTY COUNCIL OF NORTHUMBERLAND

COUNTY ARCHITECT'S DEPARTMENT
Applications are invited from Architects who have passed the R.I.B.A. Final Examination, having considerable practical office experience, for the post of ASSISTANT ARCHITECT on the staff of this Department. Salary, according to qualifications and experience, on Special Grade, £785-£1,070 per annum with prospects of promotion to higher grades within the office in due course.

The appointments will be subject to the provisions of the Local Government Superannuation Acts and the successful candidates will be required to pass a medical examination.

Applications in writing stating age, qualifications and previous experience, including any service with a Local Authority, together with the names and addresses of two referees to whom reference can be made to be forwarded to the County Architect, County Hall, Newcastle-upon-Tyne 1, within fourteen days of the publication of this notice.

EBBW VALE URBAN DISTRICT COUNCIL

ARCHITECT'S DEPARTMENT

APPOINTMENT OF DEPUTY ARCHITECT

Applications are invited from corporate Members of the R.I.B.A. for the appointment of Deputy Architect in the Department of the Architect to the Council at a salary within A.P.T. Grade IV (£1,065-£1,220) of the National Joint Council's Scales.

The successful applicant will be expected to commence duties on September 1st, 1959.

The appointment will be subject to three months' notice on either side, to the provisions of the Local Government Superannuation Acts and to the passing of a medical examination.

Housing accommodation may be made available if required.

The Architect's Department has a varied programme of work including new housing, slum clearance redevelopment schemes, proposed civic centre, etc.

Applications endorsed "Deputy Architect," stating age, education, training, qualifications, experience, present and past appointments, and enclosing copies of two recent testimonials, should be submitted to the undersigned not later than Wednesday, 22nd June, 1959.

HOWARD J. WILLIAMS,
Clerk of the Council.

County Offices,
The Walk,
Ebbw Vale, Mon.

28th May, 1959. 4631

BESTON AND STAPLEFORD URBAN DISTRICT COUNCIL

SENIOR ARCHITECTURAL ASSISTANT

Applications are invited for the above appointment at a salary according to experience in Special Grade (£785-£1,070).

Housing accommodation will be provided, if necessary. Candidates must be A.R.I.B.A. with preferably some experience of Municipal Housing.

Applications, stating age, qualifications, with details of training and experience, accompanied by the names of two referees, must be received by the Housing Architect, Town Hall, Beeston, Nottingham, not later than the 26th June, 1959.

H. D. JEFFRIES,
Clerk of the Council.

Town Hall,
Beeston,
Nottingham. 4670

NORTHERN POLYTECHNIC, HOLLOWAY, LONDON, N.7

The Governing Body invite immediate applications for appointment to the Department of Architecture, Surveying and Building as LECTURER ON ADVANCED CONSTRUCTION, THEORY OF STRUCTURES AND BUILDING REGULATIONS. Salary scale £1,260 x £31 10s. -£1,417 10s. together with allowances in accordance with the Barnham Award.

Applicants are expected to have an appropriate professional qualification and to have had at least three years' practical experience. Some teaching experience is desirable.

Apply for form of application and further particulars to the Clerk to the Governors. 4642

SALOP COUNTY ARCHITECT'S DEPARTMENT

Applications are invited from qualified Architects for the post of ASSISTANT COUNTY ARCHITECT. Salary scale JNC D/E (£1,520 rising by annual increments to £1,885 per annum). The successful applicant will be principally concerned with standards of design and construction, the technical administration of building contracts and co-ordination of work of technical groups of the Department. A disturbance allowance or weekly separation allowance will be paid to a married man taking up the appointment. Conditions of service and application forms obtainable from Ralph Crowe, A.A.Dipl., A.R.I.B.A., A.M.P.E.I., County Architect, Column House, London Road, Shrewsbury. Closing date 7th July, 1959. 4766

SURREY COUNTY COUNCIL

Applications invited for the following appointments:—

1. GRADE IV (£1,065-£1,220 p.a. plus £38 p.a. London Allowance).

ARCHITECTS. Must be Assoc. Mem. R.I.B.A. and have had experience in preparation of drawings and specifications, and be capable of assuming responsibility for medium to large scale contracts.

BUILDING SURVEYORS. Must be Assoc. Mem. R.I.C.S. and have had experience in drafting specifications in all trades, preparation of schedules of dilapidations, detailed estimates for general maintenance works and surveys of properties.

2. SPECIAL GRADE (£785-£1,070 p.a. plus £30 p.a. London Allowance). This Grade is particularly suitable for newly qualified Assistants.

ARCHITECTS. Must be A.R.I.B.A. and experienced in design and detailing.

BUILDING SURVEYOR. Must be A.R.I.C.S. (Bldg. Sub. Div.). Capable drafting specifications in all trades, preparation Schedules of Dilapidations, detailed estimates for general maintenance works and surveys of properties.

3. GRADE I (£610-£765 p.a. plus up to £30 p.a. London Allowance according to age).

ARCHITECTURAL ASSISTANTS. Must be of good general training and reasonable experience.

Full details, present salary and 3 copy testimonials to County Architect, County Hall, Kingstow, as soon as possible. 4828

THURROCK U.D.C. (Engineer & Surveyor's Dept.)

require ARCHITECTURAL ASSISTANT under Architect to the Council. Salary A.P.T. I/II: £610-£380 p.a. Good architectural experience necessary. Applicants must be capable of preparing working drawings in all categories and should have passed the Intermediate Examination of the R.I.B.A. The Council have interesting projects in hand, including an Indoor Swimming Bath. Appointment pensionable. Applications, stating age, qualifications and experience, and quoting three referees, to Clerk of the Council, Council Offices, Grays, Essex, by 23rd June, 1959. Canvassing disqualified. Relationship with members or Senior Officers of the Council must be disclosed. 4638

ISLE OF ELY COUNTY COUNCIL

COUNTY ARCHITECT'S DEPARTMENT

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT, Special Grade (£785-£1,070).

(b) ARCHITECTURAL ASSISTANT, A.P.T. I (£610-£765), A.P.T. II (£765-£380), or Special Grade (£785-£1,070).

Applicants for post (a) should be A.R.I.B.A. or have completed Parts I and II of the R.I.B.A. Final Examination or have completed a course at a School of Architecture; initial appointment dependent upon previous experience. Applications from students completing courses in July, 1959, will be considered. Scope of work offered will entirely depend on the efforts and ability of the successful candidate.

For post (b) the Grade offered will be according to qualifications, experience and ability. Applicants should have previous experience and preferably have passed the R.I.B.A. Intermediate Examination.

Both posts are subject to N.J.C. Conditions, Local Government Superannuation Acts and the passing of a medical examination.

Applications, giving full details of education, qualifications, training and experience, and names of two referees, to reach the County Architect, County Hall, March, Cambs., not later than Friday, 26th June, 1959.

R. F. G. THURLOW,
Clerk of the County Council.

County Offices,
Ruthin,
Denbighshire. 4691

DENBIGHSHIRE COUNTY COUNCIL

COUNTY PLANNING DEPARTMENT

Applications are invited from suitably qualified persons for the following appointments, viz.:—

(a) SENIOR COUNTY PLANNING ASSISTANT (Development Plan), A.P.T. Grade IV (Salary £1,260-£1,220 per annum).

(b) ARCHITECT, Special Scale, (Salary £785-£1,070 per annum).

Both appointments are to the Headquarters Staff of the County Planning Department at Ruthin.

Application forms and further particulars can be obtained from me. Completed applications, giving the names of two referees, must be returned by 29th June, 1959.

W. E. BUFTON,
Clerk of the County Council.

County Offices,
Ruthin,
Denbighshire. 4691

STEVENAGE DEVELOPMENT CORPORATION

CHIEF ARCHITECT'S DEPARTMENT

Applications are invited for appointment to post as ASSISTANT ARCHITECT on salary grades £631 rising to £811 p.a., £753 rising to £1,029 p.a.—starting salary and grade according to experience and qualifications.

Applicants should have experience of the design and construction of modern buildings and successful candidates will be engaged on work of a varied and interesting nature relating to the building of a New Town, and will include Shopping Centres, Housing and Multi-storey Flats, Office Blocks and Industrial Buildings.

Housing accommodation will be available in due course in an appropriate case.

Applications, giving full details and names of two referees, to be sent to the Chief Administrative Officer, Aston House, nr. Stevenage, Herts., not later than Monday, 29th June, 1959. 4637

COUNTY BOROUGH OF BOLTON

BOROUGH ARCHITECT'S DEPARTMENT

Applications invited for appointment of ARCHITECT within Grade A.P.T. III or Special Scale (£785-£1,070) according to qualifications, commencing salary depending on experience. Post superannuable, subject to medical.

Application giving full details, including age, experience, present post and salary, and naming two referees, should be received by me not later than 30th June.

PHILIP S. RENNISON,
Town Clerk.

County Offices,
Bolton. 4794

HARLOW DEVELOPMENT CORPORATION

Applications are invited from candidates interested in taking part in New Town work for the following appointments:—

Post A. ASSISTANT ARCHITECT, £753-£939 p.a.

Post B. ASSISTANT ARCHITECT, £934-£1,146 p.a.

Post C. ASSISTANT ARCHITECT, £679-£811 p.a. Candidates for posts A. and B. should be A.R.I.B.A. or equivalent and candidates for Post C. should have passed R.I.B.A. Intermediate or equivalent.

Housing provided in suitable cases. Applications within fourteen days to General Manager, Terlings, Harlow, Essex. 4756

BOROUGH OF SOLIHULL

Appointment of—
 (a) HEATING & VENTILATING ENGINEER.
 (b) SENIOR ASSISTANT QUANTITY SURVEYOR.

Applications are invited for the above appointments in the Borough Surveyor's Department. The salary in respect of post (a) will be in accordance with A.P.T. Grade V (£1,220—£1,375 per annum) and for post (b) in accordance with A.P.T. Grade IV (£1,065—£1,220 per annum). Applicants for the post as Heating & Ventilating Engineer must be Associate Members of the Institute of Heating & Ventilating Engineers and be capable of designing and detailing heating, hot water and ventilating installations. Experience in electrical engineering would be an advantage.

Applicants for the post of Senior Assistant Quantity Surveyor should be Chartered Quantity Surveyors and have considerable experience in taking off, preparation of final accounts and approximate estimating for educational, housing and other works undertaken by a Local Authority. The appointments are subject to the provisions of the Local Government Superannuation Acts; the National Scheme of Conditions of Service; and to one month's notice on either side.

Where appropriate, housing accommodation will be provided and half removal expenses paid. Applications, giving full particulars of present and past appointments, together with the names and addresses of two referees, should be submitted to the Borough Engineer & Surveyor, 90, Station Road, Solihull, Warwickshire, not later than Monday, 29th June, 1959.

W. MAURICE MELL,
 Town Clerk. 4710

BOROUGH OF NELSON

SENIOR ASSISTANT ARCHITECT

Applications are invited for the appointment of Senior Assistant Architect in the office of the Borough Engineer and Surveyor. Salary within Special Scale (£785—£1,070 p.a.). Commencing salary according to experience and qualifications. Applicants must be Associates of the Royal Institute of British Architects and have good general experience in Housing and Public Buildings.

The appointment will be subject to the National Scheme of Conditions of Service and consideration will be given to the provision of housing accommodation.

Applications (endorsed "Senior Assistant Architect"), giving details of age, education, qualifications, experience and present salary, with the names and addresses of two referees, to be sent to the undersigned, not later than the first post on Saturday, the 27th June, 1959.

F. W. ROBERTS,
 Town Clerk. 4700

Town Hall,
 Nelson,
 2nd June, 1959.

LONDON COUNTY COUNCIL

ARCHITECTURAL ASSISTANTS required up to 2860 (at present under review). Full and interesting programme of houses, flats, schools and general buildings. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/43/59, County Hall, S.E.1. (923.) 4766

LONDON COUNTY COUNCIL

BRITXON SCHOOL OF BUILDING.
 Ferndale Road, S.W.4.

Required: September, 1959, two LECTURERS:—
 1. Architecture—Studio Master up to R.I.B.A. Intermediate level, prepared to give appropriate lectures. Must be Corporate Member of R.I.B.A. and preferably hold Diploma of a School of Architecture. Good office experience and some teaching experience essential.

2. Surveying (Building and Quantities). Responsible for full and part-time students. Intermediate and Final R.I.C.S. standard—prepared to lecture in suitable subjects of course and supervise tutorial work Building Construction and Quantities. Corporate Member of R.I.C.S. with good office experience essential. Teaching experience an advantage.

Also: One Grade B Assistant, with appropriate professional qualifications and good office experience, to teach Building Construction to full- and part-time students Architecture and Surveying.

Burnham (F.E.) salary scale (men) Lecturers £1,260 x £31 10s to £1,417 10s. Grade B: £682 10s. x £26 5s. to £1,075 5s. plus additions for qualifications and training; increments within scale for experience.

London allowance (in both cases) £37 16s. or £50 8s.

Application forms (s.a.e.) from Secretary at School, to be returned by 25th June.

Also required September: Part-time Day and Evening Instructors in Building Construction for students up to Final R.I.C.S. standard—should have appropriate professional or other qualifications and good experience.

Application forms (s.a.e.) from Secretary at School. (1291). 4788

LONDON COUNTY COUNCIL

PARKS DEPARTMENT

ARCHITECTURAL ASSISTANTS. Good draughtsmen with experience of preparation of working drawings and specifications and supervision of contract work. Up to 2860 (under review). Apply Chief Officer, Parks Department (A1/A), County Hall, S.E.1 (WATERLOO 5000, Ext. 8076). (1146) 4500

ARCHITECTS AND BUILDING SURVEYORS

Architects' Department, L.C.C., requires Architects and Building Surveyors for: (1) large programme of rehabilitation of older property and conversion into modern housing units; (2) modernisation and conversion of the older blocks of Council Flats; (3) alterations and extensions (Jobs up to £20,000). Up to £1,135 according to qualifications and experience. Holiday arrangements respected. Application form returnable by 8th July and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/50/59, County Hall, S.E.1. (1295). 4787

BOROUGH OF SCUNTHORPE.

LINCOLNSHIRE
NEW MUNICIPAL OFFICES AND COUNCIL SUITE

The Council invite Building Contractors, possessing a substantial organization, willing to submit a firm price tender for the above work, to forward their names to the undersigned not later than Monday, the 13th July, 1959.

Applications should contain an assurance that the applicant has the necessary financial and material reserves and organization to undertake the work. Evidence of this should accompany their application together with a list of works recently carried out.

The Council reserve the right to select from the applicants, a list of firms who will be invited to submit tenders and does not bind itself to accept the lowest or any tender.

A deposit of five guineas will be required from those firms selected which will be returned on the receipt of a bona fide tender or return of the Bill of Quantities.

It is anticipated that the Bill of Quantities will be ready by the end of July, 1959.

The work consists of a Municipal Office Block of 5 Storeys, having a total area of 51,900 sq. ft., the Council Suite of 2 Storeys with a total area of 10,400 sq. ft. and the usual road works, site works and drainage.

The period of the Contract will be 2 years. The Architects for the scheme are Messrs. C. B. Pearson and Son, 18, Dalton Square, Lancaster, and the Quantity Surveyors are Messrs. Rider Hunt and Partners, Merston Chambers, 33, Merston Street, Leeds, 2.

T. M. LISTER,
 Town Clerk.

Municipal Offices,
 34, High Street,
 Scunthorpe.

8th June, 1959. 4781

BOROUGH OF SCUNTHORPE

CLERK OF WORKS

Applications are invited for the temporary appointment of Clerk of Works for the new Municipal Offices and Council Suite.

It is expected that building operations will commence towards the end of 1959 with an anticipated contract period of two years. Salary £1,000 per annum.

Applications with full details of qualifications, past experience and age, together with the names and addresses of two referees must reach the undersigned not later than Monday, the 6th July, 1959.

T. M. LISTER,
 Town Clerk.

Municipal Offices,
 34, High Street,
 Scunthorpe.

8th June, 1959. 4780

DENBIGHSHIRE COUNTY COUNCIL

Applications are invited for the appointment of **ARCHITECTURAL ASSISTANT**, A.P.T. Grade II (salary £765—£880 per annum) in the County Architect's Department, Wrexham.

Further details with form of application may be obtained from me. Completed forms to be returned by 30th June, 1959.

W. E. BUFTON,
 Clerk of the County Council.

County Offices,
 Ruthin.

8th June, 1959. 4778

THE UNIVERSITY OF MANCHESTER

Applications are invited for two posts of **LECTURER IN TOWN AND COUNTRY PLANNING**. Applicants must be graduates in Planning or in an allied subject and be corporate members of the Town Planning Institute. Salary on a scale £900 to £1,650 per annum with membership of the F.S.S.U. and Children's Allowance Scheme; initial salary according to qualifications and practical experience. Applications should be sent not later than July 6th to the Registrar, the University, Manchester, 13, from whom further particulars and forms of application may be obtained. 4775

COUNTY BOROUGH OF PRESTON

Applications are invited for the appointment of an **ASSISTANT ARCHITECT** (Special Grade £785—£1,070) in the Borough Surveyor's Department.

Candidates must be Registered Architects and Corporate members of the R.I.B.A. The programme of works is large and varied and appointment affords opportunities for good experience.

The National Scheme of Conditions of Service and Local Government Superannuation Acts apply, and the successful applicant will be required to pass a medical examination.

Forms of application can be obtained from the undersigned to whom they must be returned, completed, not later than 6th July, 1959.

W. E. E. LOCKLEY,
 Town Clerk.

Municipal Buildings, Preston.

8th June, 1959. 4769

CITY AND COUNTY OF NEWCASTLE UPON TYNE

CITY ARCHITECTS' DEPARTMENT

The City Architect will be pleased to receive applications from suitably qualified persons for the following ARCHITECTURAL vacancies in his Department:

NEW TOWN HALL SECTION: A.P.T. IV. GENERAL SECTION: Special Class: A.P.T. II and A.P.T. I.

EDUCATION SECTION: A.P.T. V; Special Class and A.P.T. II.

HOUSING SECTION: A.P.T. IV and Special Class.

REHOUSING SECTION: A.P.T. IV and A.P.T. II.

The salaries applicable to the above grades are:—
 A.P.T. V: £1,220—£1,375 per annum.
 A.P.T. IV: £1,065—£1,220 per annum.
 Special Class: £785—£1,070 per annum.
 A.P.T. II: £765—£880 per annum.
 A.P.T. I: £610—£765 per annum.

The Department is engaged upon an interesting and varied programme of work, including the New Town Hall, Multi-storey Flats, Redevelopment Schemes, Further Education projects, and a variety of General building works.

The appointments will be subject to the provisions of the Local Government Superannuation Acts, 1937-1953. Application forms and full particulars may be obtained from George Kenyon, A.R.I.B.A., A.M.T.P.I., City Architect, 19, Cloth Market, Newcastle upon Tyne, 1. Applicants must state the Section and Grade applied for when requesting particulars.

Closing date for receipt of completed applications: Monday, 6th July, 1959.

JOHN ATKINSON,
 Town Clerk.

Town Hall,
 Newcastle upon Tyne, 1.

9th June, 1959. 4774

COUNTY BOROUGH OF SUNDERLAND

SENIOR ARCHITECTS: Grade A.P.T. V (maximum £1,375).

CHIEF ASSISTANT ARCHITECTS: Grade A.P.T. IV (maximum £1,220).

SENIOR ARCHITECTURAL ASSISTANTS: Grade A.P.T. II (maximum £880).

Applications are invited for the above posts. Particulars of the appointments may be obtained from the Borough Architect, Grange House, Stockton Road, Sunderland. Applications must be addressed to me and received at my office, Town Hall, not later than 13th July, 1959.

Canvassing will disqualify.
 G. S. MCINTIRE,
 Town Clerk. 4765

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD

require **ARCHITECTURAL DRAUGHTSMAN** in Bristol. Applicants should have at least 3 years' drawing office experience; a knowledge of farm buildings an advantage. Duties comprise preparation of sketch plans, working drawings, and line diagram farm layouts. Starting salary according to age on scale £550 to £875 p.a. Five-day week. Application for interview, stating age and experience should be addressed to the Ministry of Agriculture, Fisheries and Food, Burghill Road, Westbury-on-Trym, Bristol. 4764

COUNTY BOROUGH OF WEST HAM

BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT

Applications invited for established post of **SENIOR ASSISTANT PLANNING OFFICER—A.P.T. IV**, £1,065—£1,220 p.a. and London allowance. (Grading of the post is under review.)

Applicants must be A.M.T.P.I., and have had experience in Development Control in an urban area and be conversant with work involved in the Development Plan.

Application forms, returnable by 6th July, 1959, from Thomas E. North, O.B.E., F.R.I.B.A., Dist.T.P., M.T.P.I., Borough Architect & Planning Officer, 70, West Ham Lane, Stratford, E.15. 4753

BRITISH RAILWAYS

LONDON MIDLAND REGION

ASSISTANT ARCHITECTS

Required in the Regional Architect's Office, Euston, to work on projects connected with the Railway Modernisation Plan. Must be Associates of the R.I.B.A. and have several years' experience; applicants must have a keen interest in contemporary design and a knowledge of modern structural technique.

Commencing salary £943 per annum. Residential and other travel concessions available. Apply stating age, experience and qualifications to:—

W. R. HEADLEY, A.R.I.B.A., A.A.Dipl. Architect.
 Chief Civil Engineer's Office,
 British Railways (London Midland Region),
 5a, Euston Grove,
 London, N.W.1. 4803

LONDON COUNTY COUNCIL

ARCHITECTS, Grade III (up to £1,135, commencing according to qualifications and experience), for Housing, Schools and General Divisions.

Full varied programme of new work including Schools, Multi-storey Flats and Town Development. Particulars and application form from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/57/59, County Hall, S.E.1. (1132.) 4615

CITY OF BIRMINGHAM
ASSISTANT ARCHITECTS AND ARCHITECTURAL ASSISTANTS are required in the City Architect's Department for the design of new Civic Buildings, Schools, Technical Colleges, etc., and Housing Schemes (including tall blocks of flats), Shopping Centres, etc.
 Commencing salaries will be within the following Scales according to capabilities and experience:—

- (a) ASSISTANT ARCHITECTS, Special Scale, £785—£1,070.
 - (b) ARCHITECTURAL ASSISTANTS, S.C., A.P.T. I, £430—£785.
- Applicants should have passed Parts I and II Final R.I.B.A. for posts (a) and Intermediate R.I.B.A. for posts (b) or hold equivalent qualifications.
- Pension scheme. Five-day week. Medical Examinations.
- Applications, stating age, present position and salary, qualifications, experience and two referees, to the undersigned by 3rd July, 1959.
- A. G. SHEPPARD FIDLER,
City Architect.
- Civic Centre, Birmingham, 1. 4755

BOROUGH OF OLDBURY
BOROUGH SURVEYOR'S DEPARTMENT
ARCHITECTS' SECTION

Applications are invited for the following appointments in the Architects' Section of the Borough Surveyor's Department:—

- (a) ARCHITECTURAL ASSISTANT, A.P.T. Grade II (£575—£880 per annum).
- (b) ARCHITECTURAL ASSISTANT, A.P.T. Grade I (£510—£765 per annum).

Candidates for appointment (a) should preferably have passed the Intermediate Examination of the R.I.B.A. and be capable of preparing working and detailed drawing and specification. The appointment offers to a suitable applicant an excellent opportunity of being engaged on a wide range of architectural projects including housing, education and other works.

Appointment (b). The appointment offers, to a competent draughtsman, experienced in the preparation of working and detail drawings, an excellent opportunity of being engaged on a wide range of architectural projects.

Both appointments will be superannuable, subject to the National Scheme of Conditions of Service, and to the selected candidate passing a medical examination.

Applications, giving particulars of age, qualifications, experience and the names of two referees, should be delivered to the undersigned not later than Friday, 26th June, 1959.

KENNETH PEARCE,
Town Clerk.

Municipal Buildings, Oldbury, Nr. Birmingham. 4728
 June, 1959.

CAMBRIDGESHIRE COUNTY COUNCIL
COUNTY ARCHITECT'S DEPARTMENT

Appointment of

- (a) SENIOR ASSISTANT ARCHITECT, Grade A.P.T. IV (£1,065—£1,220).
- (b) ARCHITECTURAL ASSISTANT, Grade A.P.T. I (£610—£765).

(a) Applicants should be Members of the Royal Institute of British Architects and have had extensive experience of the design and constructions of Schools and other County buildings, and should be capable of supervising assistant staff as necessary.

(b) Applicants should have reached intermediate standard and should be neat and expeditious draughtsman, and be able to prepare small sketch schemes and working drawings under supervision.

The appointments are subject to the Local Government Superannuation Acts, 1937 to 1953, the National Scheme of Conditions of Service, a satisfactory medical examination and terminable at one month's notice on either side. Commencing salary to be in accordance with experience.

Applications, stating age, present salary, present and previous appointments, details of training and experience, together with the names and addresses of two referees, should be submitted to the undersigned, not later than 10th July, 1959.

CHARLES PHYTHIAN,
Clerk of the County Council.

Shire Hall, Cambridge. 4827
 June, 1959.

CITY OF WINCHESTER

Applications are invited for the post of ARCHITECTURAL ASSISTANT in the City Engineer's Office (C.C. Steptoe, A.R.I.B.A., CHIEF ASSISTANT ARCHITECT). It is essential that the applicant should be a neat and accurate draughtsman and have had previous experience in an architect's office. Salary, according to experience, will be within Grades I and II of the National Scales, and the appointment is subject to the Local Government Superannuation Act.

Applications, stating age and details of experience, together with the names and addresses of two referees, should be addressed to the City Engineer, Guildhall, Winchester, and should reach his office not later than Friday, 3rd July, 1959. Canvassing, either directly or indirectly, will disqualify.

R. H. McCALL,
Town Clerk.

Guildhall, Winchester. 4831
 11th June, 1959.

GOVERNMENT OF NORTHERN NIGERIA
ARCHITECT, MINISTRY OF WORKS

To prepare and supervise building contracts and maintenance works programmes or to prepare sketch plans and working drawings of a variety of public buildings.

Contract appointment. Salary range £1,170—£1,824 plus gratuity. Free passages. Quarters if available, at low rent.

Candidates under 45 years of age must be A.R.I.B.A. with wide general experience.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving age, qualifications and experience, quoting BCD. 112/408/07. 4825

GOVERNMENT OF FEDERATION OF NIGERIA
ARCHITECT, PUBLIC WORKS DEPARTMENT

To prepare sketch plans, working drawings and detailed specifications for various types of buildings.

Contract appointments. Salary range £1,416 to £2,166 p.a. plus gratuity. Free passages. Quarters at low rent.

Candidates must be A.R.I.B.A. with wide general experience.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving age, qualifications and experience quoting BCD 112/14/05. 4824

METROPOLITAN BOROUGH OF BATTERSEA

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

- (a) JUNIOR ASSISTANT BUILDING SURVEYOR
 Grade A.P.T. I—£610—£765 per annum.
- (b) JUNIOR ASSISTANT BUILDING SURVEYOR (2)
 General Division—£200—£700 (subject to review).

London Weighting (£20 per annum at age 21-26) is payable in addition for each appointment.

The duties of appointment (a) and one of (b) will be to assist in the improvement and conversion of house property and the commencing salary in each case will be according to qualifications and experience. Preference will be given to students or probationers of the Royal Institution of Chartered Surveyors (Building Sub-Division).

The second appointment (b) is for an office junior and offers an opportunity to train as a building surveyor.

The appointments are subject to the Local Government Superannuation Acts, 1937-1953. Further particulars and forms of application obtainable from the Borough Engineer and Surveyor, Town Hall, S.W.11. Closing date 11th July, 1959. 4823

MIDDLESBROUGH EDUCATION COMMITTEE
ARCHITECTURAL STAFF

Applications are invited for the following vacancies in the Education Architect's Office of the Education Department. An excellent opportunity is offered for participation in the expanding Educational Building Programme.

Appointments will be made within the grades as indicated, subject to qualifications and experience.

- (a) SENIOR ASSISTANT ARCHITECTS, A.P.T. IV, £1,065—£1,220.
- (b) ASSISTANT ARCHITECTS, A.P.T. III £880—£1,065.
- (c) ARCHITECTURAL ASSISTANTS A.P.T. I-II £610—£880.
- (d) DRAUGHTSMAN OR DRAUGHTSWOMAN, Miscellaneous Grade III £525—£590.

HOUSING ACCOMMODATION will be considered for married applicants for posts (a) and (b) if required.

Application forms and particulars from the Director of Education, Education Offices, Woodlands Road, Middlesbrough, to whom completed forms should be returned as soon as possible. 4815

METROPOLITAN POLICE
RECEIVER'S OFFICE

requires

ARCHITECTURAL DRAUGHTSMEN / WOMEN for interesting and varied work in connection with **POLICE HOUSING AND NON-HOUSING BUILDING PROGRAMMES.**

£570 p.a. at age 21 rising by annual increments to a maximum of £900 p.a.

Starting pay according to age.

Applicants to have Ordinary National Certificate as a minimum qualification, or to be of Inter-R.I.B.A. standard. Previous experience on similar work would be considered an advantage.

Apply in writing to:—
 Room 578,
 Receiver's Office,
 New Scotland Yard,
 S.W.1. 4812

THE UNIVERSITY OF MANCHESTER

Applications are invited for the post of LECTURER IN ARCHITECTURE from candidates with professional membership of the Royal Institute of British Architects and not less than three years of practical experience. Salary on a scale from £900 to £1,650 per annum; initial salary according to qualifications and experience. Membership of the F.S.S.U. and Children's Allowance Scheme. Applications should be sent, not later than July 1st, 1959 to the Registrar, The University, Manchester, 13, from whom further particulars and forms of application may be obtained. 4745

PEEL PARK TECHNICAL COLLEGE, SALFORD

Principal: F. Wood, M.A.(Oxon), LL.B., A.I.R., A.M.B.I.M., F.R.S.A.

APPOINTMENT OF SENIOR LECTURER IN INDUSTRIAL DESIGN

Applications are invited from suitably qualified candidates for the post of SENIOR LECTURER to be responsible for courses in AESTHETICS AND INDUSTRIAL DESIGN to day-release and evening classes for engineers, and the development of this subject in the School of Art and Industrial Design. Experience is essential, and consideration will be given to the successful applicant maintaining contacts with industry.

Salary in accordance with the Burnham Technical Scale for Senior Lecturers: Men: £1,417 10s. by £52 10s. to £1,627 10s.

Application forms and further particulars may be obtained from The Principal, Peel Park Technical College, Salford 5, to whom completed forms should be returned as soon as possible.

R. RIBBLESDALE THORNTON,
Clerk to the Governors. 4720

GOVERNMENT OF EASTERN NIGERIA
ARCHITECT, MINISTRY OF WORKS

To prepare sketch plans, working drawings, specifications and contract documents.

Contract appointment. Salary range £1,416 to £2,166 plus gratuity. Free passages. Rented quarters.

Candidates aged 30-40 must be A.R.I.B.A. with at least five years' post qualification experience.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving age, qualifications and experience, quoting BCD 112/41/08. 4733

MIDLANDS ELECTRICITY BOARD
THIRD ASSISTANT ENGINEER (Civil) required at Central Gloucestershire Sub-Area Headquarters.

Applicants should have architectural, building and civil engineering experience and should preferably have a knowledge of quantities. Technical qualifications desirable. Duties will include the preparation of drawings, construction and detail of offices, Service Centres, stores and general building and maintenance work, and the supervising of contracts and direct labour.

Salary £965/£1,025 per annum N.J.B. J.9. Superannuable. (It is expected that the Sub-Area classification will shortly be raised to K.)

Apply, by letter within 14 days, stating age, experience and qualifications, present position and salary, to Mr. S. Raybould, Sub-Area Manager, Midlands Electricity Board, 126, London Road, Gloucester.

A. STEPHENS,
Secretary. 4740

BUCKS COUNTY COUNCIL

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

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

The appointments are superannuable and subject to medical examination.

A weekly allowance of 25s. and return fare home once every two months may be paid for six months to newly appointed married officers of the Council unable to find accommodation.

Applications on forms provided, must be returned by 30th June, 1959.

F. B. POOLEY,
County Architect. 4740

County Offices, Aylesbury.

LANCASHIRE COUNTY COUNCIL

Applications are invited from qualified ARCHITECTS of initiative, keen on design and modern constructional methods, for a large and varied programme.

Permanent posts in A.P.T. Grade V (£1,220—£1,375). Starting point according to experience. Previous applicants should not re-apply.

Application Forms from the County Architect, P.O. Box 26, County Hall, Preston, reference A/AJ. 4741

LANCASHIRE COUNTY COUNCIL

Applications are invited for the posts of SENIOR ARCHITECTS, Senior Officers Scale "A," £1,225—£1,390, "B," £1,320—£1,485.

Applicants should possess a keen design sense, and a sound working knowledge of modern techniques in building construction.

Successful applicants will be required to work at all stages in the drawing office, and in site supervision of major building projects.

Application forms from the County Architect, P.O. Box 26, County Hall, Preston, quoting reference A/AJ. 4746

Vacancies exist for DRAUGHTSMEN (A. & C.E.) in the WAR DEPARTMENT, at Catterick Camp, Yorkshire, and Gedling, Notts.

Salary ranges from £530 at age 21 to £875 with maximum entry point of £735 at age 23 or over. Five-day working week of 44 hrs. and generous scale of paid leave and public holidays.

Candidates must have had training equivalent to an apprenticeship or pupillage lasting three years with a good concern or equivalent time spent in full-time study of Architecture at a recognised educational institution plus at least one year in full-time drawing office work.

Applications, giving full particulars of age, experience, etc., to C.R.E., Catterick Camp or C.R.E., Gedling House, Notts., according to choice of location. 4740

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HERTFORDSHIRE COUNTY COUNCIL
COUNTY ARCHITECTS' DEPARTMENT
ASSISTANT ARCHITECTS AND ASSISTANT
QUANTITY SURVEYORS required—salary range
£785—£1,070.
 Previous Local Government experience not essential. Applications giving full particulars of training, experience, and qualifications, with names of two referees, to the County Architect, County Hall, Hertford, Herts, by the 29th June, 1959. 4743

BOROUGH OF ENFIELD
BOROUGH ENGINEER'S DEPARTMENT
 (Population—110,000, Area—12,400 acres)
 Applications are invited for established posts within the Grades shown:—
A. ENGINEERING ASSISTANT (MAIN DRAIN-AGE) A.P.T. III (£880—£1,065).
 Applicants must have passed the Intermediate examination of the Institution of Municipal Engineers, or hold equivalent qualifications. The successful applicant will be engaged on the preparation of Sewer Surveys, Drainage Area Plans, and Flood Relief Schemes, etc.

B. DISTRICT BUILDING INSPECTOR—A.P.T. II (£765—£980).
 Applicants must have experience in all classes of building work and possess the Building Inspector's Certificate of the Institution of Municipal Engineers.

C. ARCHITECTURAL ASSISTANT—A.P.T. I (£610—£765).
 Applicants must have had experience in the preparation of plans, specifications, etc., including the maintenance of public buildings.

A London Weighting Allowance of £10—£20 per annum according to age will be paid in addition to the above salaries.

Housing accommodation will be provided in appropriate cases if required by the successful candidate or post. (c) and successful candidates will be considered for loans to enable them to purchase houses if necessary.

Saturday mornings are normally free of duty. Application forms, returnable by 30th June, 1959, from H. Deryck Peake, M.Sc.(Eng.), M.I.C.E., Borough Engineer & Surveyor, Percy House, 7, Little Park Gardens, Enfield, Middx.

CYRIL E. C. R. PLATTEN, Town Clerk.

Public Offices, Enfield, Middx. 4741

BOROUGH OF POOLE
APPOINTMENT OF ASSISTANT ARCHITECT
 Special Grade £750—£1,030

Applications are invited for the above appointment to the Borough Engineer's staff. Candidates should have passed the appropriate professional examinations. Starting salary will depend upon age and experience.

This is one of a series of new appointments to deal with an expanded Capital Programme, including Schools, Multi-Storey Flats, etc. Housing accommodation will be available in an appropriate case.

Application forms from the Borough Engineer & Surveyor, Municipal Buildings, Poole, to be returned to the undersigned by Monday, the 22nd June, 1959.

J. G. HILLIER, Town Clerk.

Poole, March, 1959. 4723

BOROUGH OF GOSPORT
 (Population 65,220; Council Houses, etc., 4,009)
APPOINTMENT OF ASSISTANT ARCHITECT

Applications are invited for the appointment to the Borough Engineer's Department of an Assistant Architect—Special Grade, £785 x £40 (approx.)—£1,070 per annum.

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

The appointment will be subject to the following:—

- (i) The National Scheme of Conditions of Service.
- (ii) Medical Examination.
- (iii) The Local Government Superannuation Acts.
- (iv) One month's notice on either side.

Housing accommodation, if necessary, will be made available for the successful applicant.

Applications, giving age, full details of qualifications and experience, together with the names and addresses of two referees, should reach the undersigned not later than first post on Saturday, the 4th July, 1959.

EDWARD ADDENBROOKE, Town Clerk.

Town Hall, Gosport, Hants. 4754

BOROUGH OF NEWCASTLE-UNDER-LYME
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT

PRINCIPAL ASSISTANT ARCHITECT
 Grade A.P.T. IV (£1,065—£1,220 p.a.)

Applications are invited from fully qualified and experienced architects for the above post. The commencing salary will be in accordance with qualifications and experience and the provision of housing accommodation will be considered in suitable cases.

Application forms may be obtained from the Borough Engineer and Surveyor, Lancaster Building, High Street, Newcastle, Staffs, and must be returned to him not later than Monday, 29th June, 1959.

C. J. MORTON, Town Clerk.

Town Clerk. 4757

CITY OF CARDIFF
CITY ARCHITECTS' DEPARTMENT
 Applications are invited for the undermentioned appointments:—

(a) **SENIOR ASSISTANT ARCHITECTS**
 A.P.T. Grade 5/4 (£880—£1,065—£1,220).

(b) **ARCHITECTURAL ASSISTANTS**
 A.P.T. Grade I (£610—£765).

Candidates for appointments referred to in (a) should be qualified architects and the point of entry in the grade will be subject to age, qualifications and experience.

Candidates for appointments referred to in (b) should have passed the Intermediate Examination of the R.I.B.A., but consideration will be given to candidates with the necessary experience.

General Conditions of Appointment may be obtained from the undersigned.

Applications, accompanied by the names and addresses of two referees and endorsed as applicable, must be delivered to me not later than the 13th July, 1959.

S. TAPPER-JONES, Town Clerk.

City Hall, Cardiff. 4814

SOUTH-EASTERN REGIONAL HOSPITAL BOARD, SCOTLAND

REGIONAL ARCHITECT'S DIVISION

Applications are invited for the superannuated posts of ASSISTANT ARCHITECT, headquarters in Edinburgh.

Salary scale—£730 to £1,055 per annum—starting salary according to age and experience.

Applications giving details of age, qualifications and experience to the Regional Architect, 18 Rothesay Terrace, Edinburgh, 3, within seven days. 4796

BOROUGH OF ROMFORD

Applications are invited for the undermentioned vacancies in the Architects' Section of the Borough Engineer and Surveyor's Department:—

(a) **SENIOR ASSISTANT ARCHITECTS, A.P.T. IV (£1,065—£1,220 p.a.).**

(b) **ARCHITECTURAL ASSISTANTS, A.P.T. I/II to Special Grade (£610—£1,070 p.a.).**

Appointments will be made at a salary within the scale according to qualifications and experience.

Applicants for (a) must be A.R.I.B.A. and have had at least 3 years' experience subsequent to election.

Applicants for (b) should have passed the Intermediate R.I.B.A. examination, or be probationers. Newly elected associates will be considered for appointment within the Special Grade.

Consideration will be given to the payment of reasonable removal expenses, and to assistance, if required, in the provision of housing accommodation.

Particulars and Conditions of each appointment may be obtained on application to the Town Clerk, Town Hall, Romford, to whom completed applications are to be sent within 14 days of the date of this advertisement. 4795

PEMBROKESHIRE COUNTY COUNCIL
COUNTY ARCHITECTS' DEPARTMENT

Applications are invited for the following posts:—

SENIOR ASSISTANT ARCHITECT, A.P.T. IV (£1,065—£1,220).

TWO ASSISTANT ARCHITECTS, A.P.T. III (£880—£1,065).

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

Applicants in the first two categories must be members of the R.I.B.A. by examination or have equivalent academic qualification; all applicants must have experience of contemporary architecture and structural design.

The appointments will be subject to the National Scheme of Conditions of Service, the Local Government Superannuation Acts and the passing of a medical examination. They will be terminable by one month's notice on either side.

Forms of application, obtainable from Lt.-Col. Walter Barrett, M.B.E., County Architect, County Offices, Haverfordwest, must be returned duly completed to the undersigned to arrive by 1st July, 1959.

H. LOUIS UNDERWOOD, Clerk of the County Council.

County Offices, Haverfordwest. 4752

10th June, 1959.

WEST SUFFOLK COUNTY COUNCIL

ENGINEER (in charge of Heating and Electrical Section)—A.P.T. IV (£1,065—£1,220); National Joint Council Service Conditions; post pensionable; medical examination.

Applicants must hold appropriate professional qualifications in Heating and Ventilation and have had experience in design and supervision of low pressure hot water and other heating systems.

Apply to County Architect, 13, Westgate Street, Bury St. Edmunds, for application form, also particulars of staff house and subsistence allowance; application to be returned by 6th July, 1959. 4762

Tenders Invited

6 lines or under, 15s.; each additional line, 2s. 6d.

PAROCHIAL CHURCH COUNCIL OF ST. LUKE

AND ST. MARK, WINCHESTER.

INVITATION TO TENDER.

NEW PARISH CHURCH OF ST. LUKE

WINCHESTER

Tenders are shortly to be invited, on behalf of the Parochial Church Council, for the erection of a new Parish Church of traditional

construction to be built at Stanmore, Winchester.

Contractors with suitable experience wishing to be considered for inclusion in the list of tenderers, should notify the Architect, C. W. T. Evans, A.R.I.B.A., Wolssey Terrace, College Street, Winchester, not later than the 27th June, giving particulars of similar works undertaken. 4703

Architectural Appointments Vacant

4 lines or under, 10s. 6d.; each additional line, 2s. 6d. See Number, including forwarding replies, in extra

JOHN H. D. MADIN, Chartered Architect, has further vacancies for Senior and Intermediate ASSISTANTS. Suitable senior assistants would be required to take full responsibility for large scale interesting projects. Write or telephone Edg. 432L. 4302

REQUIRED in Oxford office of W. H. Watkins, Gray & Partners, ASSISTANT to work on advanced Technical Laboratory. Apply in writing to 57, Catherine Place, S.W.1, or ring for appointment Vt 1761. 3955

RILEY & GLANFIELD require male ASSISTANT of Intermediate standard. Work: Church, industrial, housing and public house. Some general office experience is necessary. Tel. UHA 1328. 4265

SEVERAL Senior and Intermediate ARCHITECTURAL ASSISTANTS are required for commercial projects including Hotel, Theatre and extensive development schemes of offices and light industry, etc. in London Architect's office. Holiday arrangements will be recognised. Five-day week. Salary according to experience. Telephone City 881L. 4151

EXPERIENCED ARCHITECTURAL ASSISTANTS required, one Qualified and one of at least Intermediate standard, for Branch Office, Birmingham, engaged on a varied and interesting programme of Commercial projects. The positions are pensionable and a five-day week is in operation. Applications, giving full particulars, to G. B. Hay, F.R.I.B.A., Chief Architect, Co-operative Wholesale Society Ltd., 1, Balliol Street, Manchester, 4. 4307

ARCHITECTURAL ASSISTANT, London. Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 4359.

ARCHITECTURAL ASSISTANT, Intermediate standard. Busy London office. Good prospects. Box 4330.

ASSISTANT ARCHITECTS of Intermediate and Final standard required for Bocking, Hampshire office. The work is varied and interesting with scope for initiative and responsibility. Please state age, experience and salary required. Box 4224.

ROWNTREE & CO. LTD. have a vacancy in their Architects' Department for an ARCHITECTURAL ASSISTANT. Applications are invited from men of Final R.I.B.A. standard, who are preferably under 30 years of age and have experience and knowledge of factory construction and alteration. Please write for further details and application form to The Staff Officer (Men), Rowntree & Co. Ltd., The Cocoa Works, York. 4447

INTERMEDIATE standard ASSISTANT with experience of industrial work required for Architects' London (City) Office. Salary by arrangement. Write Box 4355.

SOUTH KENSINGTON Architects' Office require experienced Intermediate ASSISTANT with good ability in design. Apply: R. Mountford Pigott & Partners, Kensington 1242. 4448

ARCHITECTURAL ASSISTANTS, Final and Intermediate, required by progressive firm of Birmingham Architects. Work involves preparation of designs, working drawings, site supervision, etc., on numerous types of work. Salary by arrangement. Box 4405.

ASSISTANT required, Final standard. Salary approximately £1,000 per annum. Offices in Stroud, Dursley, and site office in Bristol. Write, giving details of qualifications and experience, to Eilery Anderson, Roiser & Falconer, Imperial House, Stroud, Gloucestershire. 4166

HASKER & HALL, Longdon House, Knowle, Birmingham, require experienced ARCHITECTURAL ASSISTANTS. Write or telephone Knowle 3502. 4497

H. A. HALPERN and Associates are looking for a qualified ARCHITECT who combines the following: proficiency in his profession, sound common sense, flexibility of nature, the ability to negotiate and who wishes to make both Architecture and this practice his career. Should you fulfil all of these requirements, please write to "Cumberland Chambers," 7, Edgware Road, Marble Arch, London, W.2. 4643

REQUIRED urgently: two Junior qualified ARCHITECTURAL ASSISTANTS for London Office; five-day week. Apply with full particulars to Box 4646.

H. AND H. M. LIDBETTER require Junior ASSISTANT up to Intermediate standard. Apply stating age, experience and salary required to 2, Verulam Buildings, Gray's Inn, London, W.C.1. 4655

TWO ARCHITECTURAL ASSISTANTS, Intermediate standard, required for very large scheme. West End Office. Excellent salary, bonus and luncheon vouchers. Box 4523.

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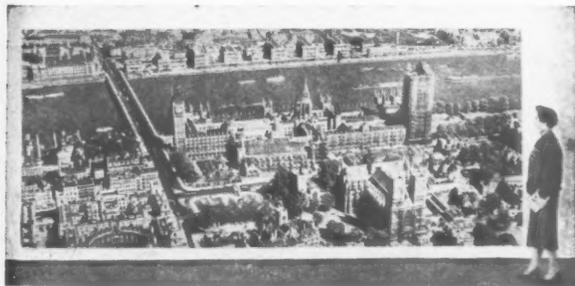
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Timber Connectors

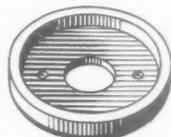
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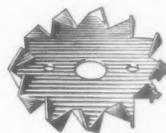
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County Architect: S. Vincent Goodman, F.R.I.B.A.
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The illustration shows how hyperbolic paraboloid shells are being used as an assembly hall roof for Kingsbrook Infants School at Bedford. The compact planning of this school consists of rooms grouped round a square central hall and incorporates circulation area and dining space. This gives the feeling of spaciousness in a building which has been planned well below the Ministry of Education's limits of cost. The high level windows and lightness of structure gives the answer to several problems in tight planning and the structure is a prototype to be used in Bedfordshire by the County Architect.

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