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The Architects' JOURNAL for February 15, 1951

THE ARCHITECTS' JOURNAL



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standard contents

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Langham 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. Department of Architecture, School of Building, Ferndale Road, Brixton, S.W.4.	Brixton 7048
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Langham 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Langham 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 13, Portman Square, W.1.	Welbeck 4185
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 10, The Boltons S.W.10.	Flaxman 7766
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145 Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CABAS	City and Borough Architects' Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon.	Newport 3111
CAS	County Architects Society. C/o F. R. Steele, F.R.I.B.A., County Hall, Chichester.	Chichester 3001
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CCP	Council for Codes of Practice. Lambeth Bridge House, S.E.1.	Reliance 7611
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderal, 7 Zurich, Switzerland.	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
CVE	Council for Visual Education. 13, Suffolk Street, Haymarket, S.W.1	Reading 72255
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1	Reliance 7611
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EJMA	English Joinery Manufacturers' Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FASSC	Federation of Association of Specialists and Sub-Contractors. 21, Tothill Street, S.W.1.	Whitehall 9696
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FOB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Waterloo 1951
FPC	The Federation of Painting Contractors, St. Stephen's House S.W.1.	Whitehall 3902
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 5615
ICA	Institute of Contemporary Arts, 17-18, Dover Street, Piccadilly, W.1.	Grosvenor 6186
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215

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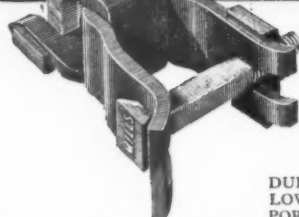
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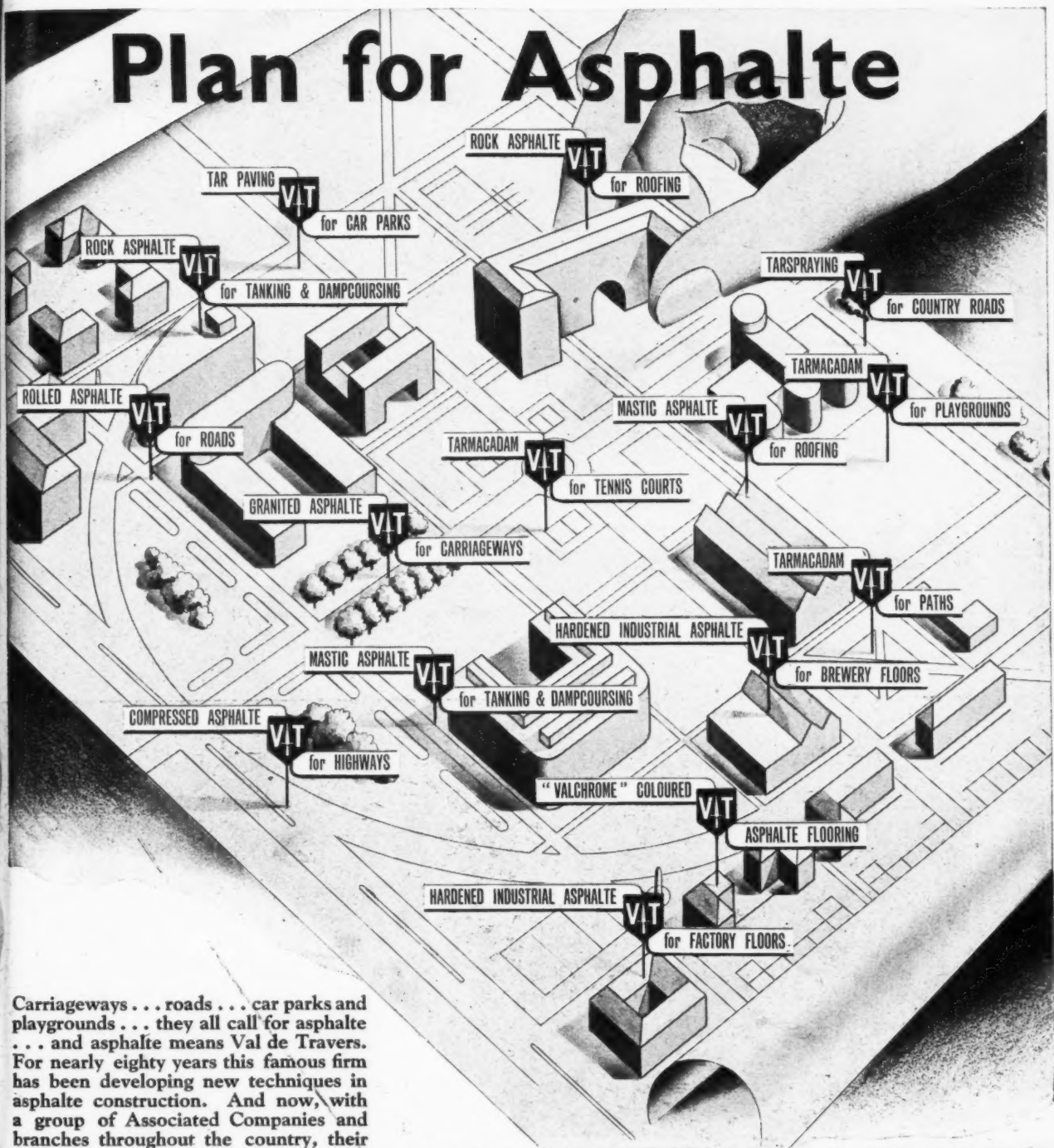


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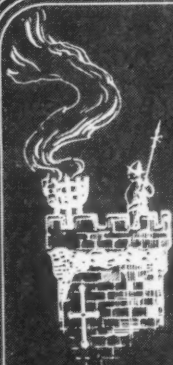
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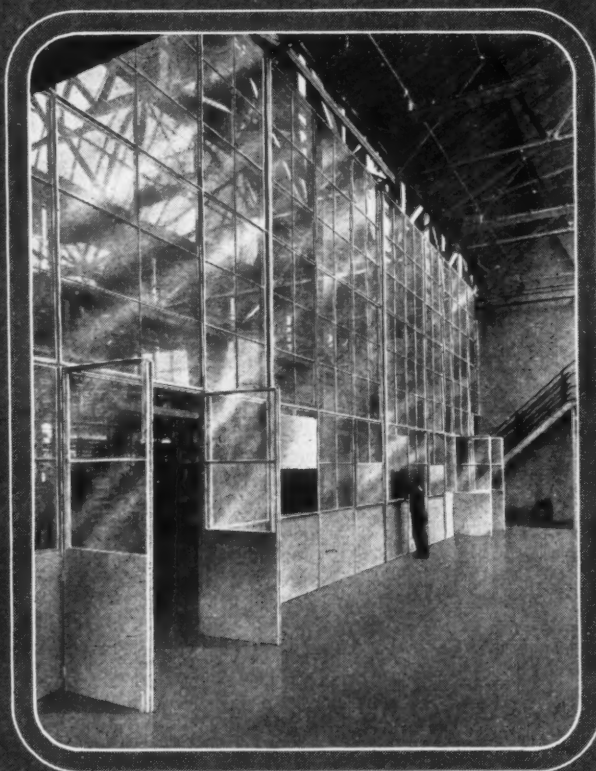


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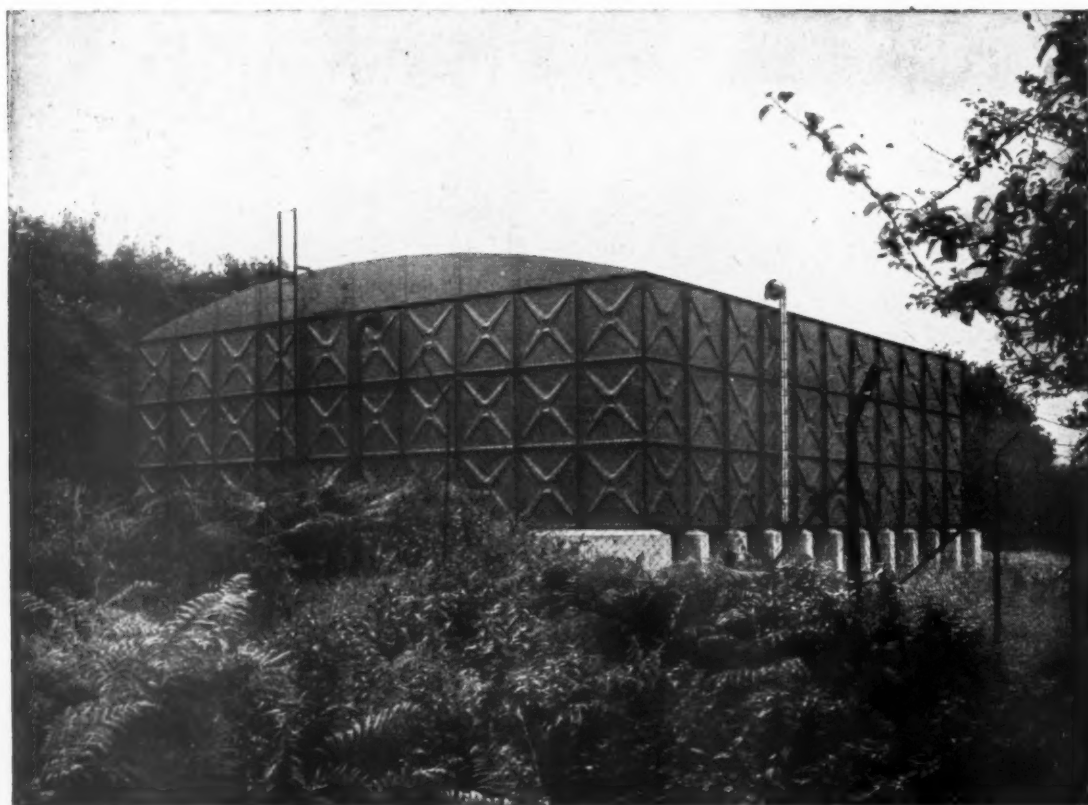
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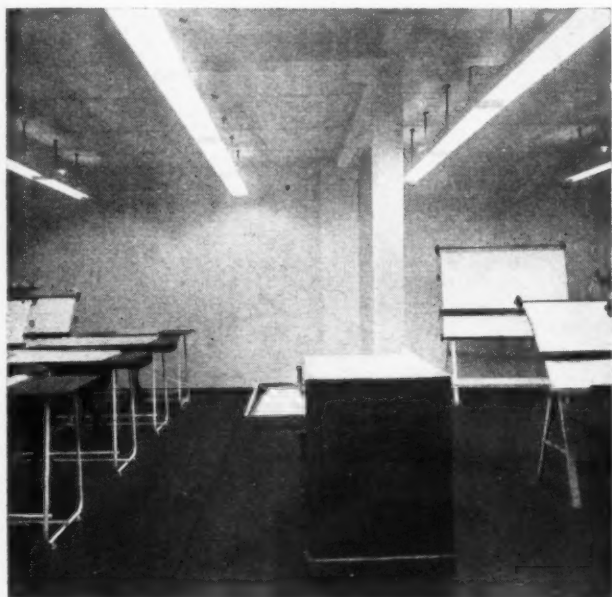
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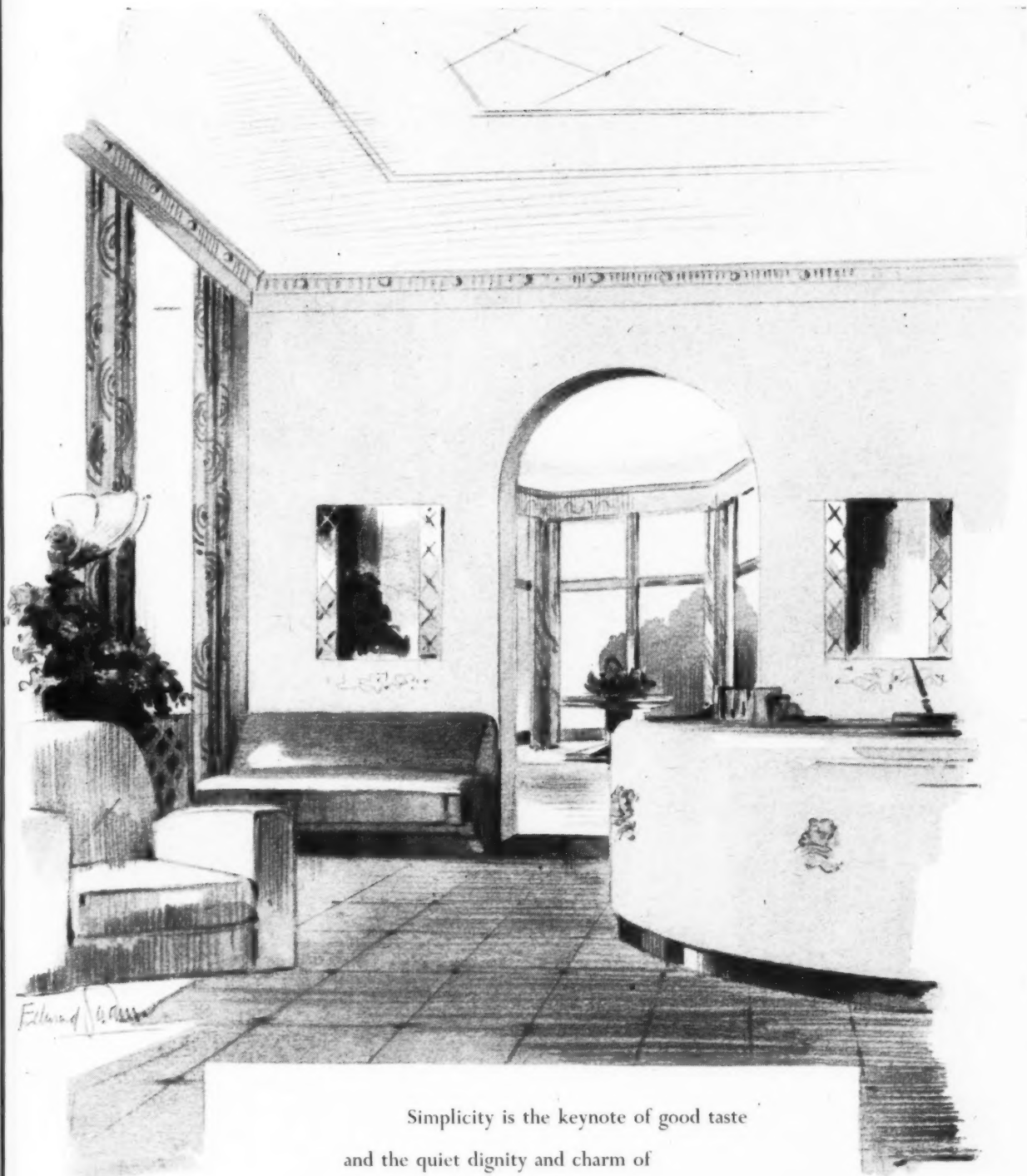
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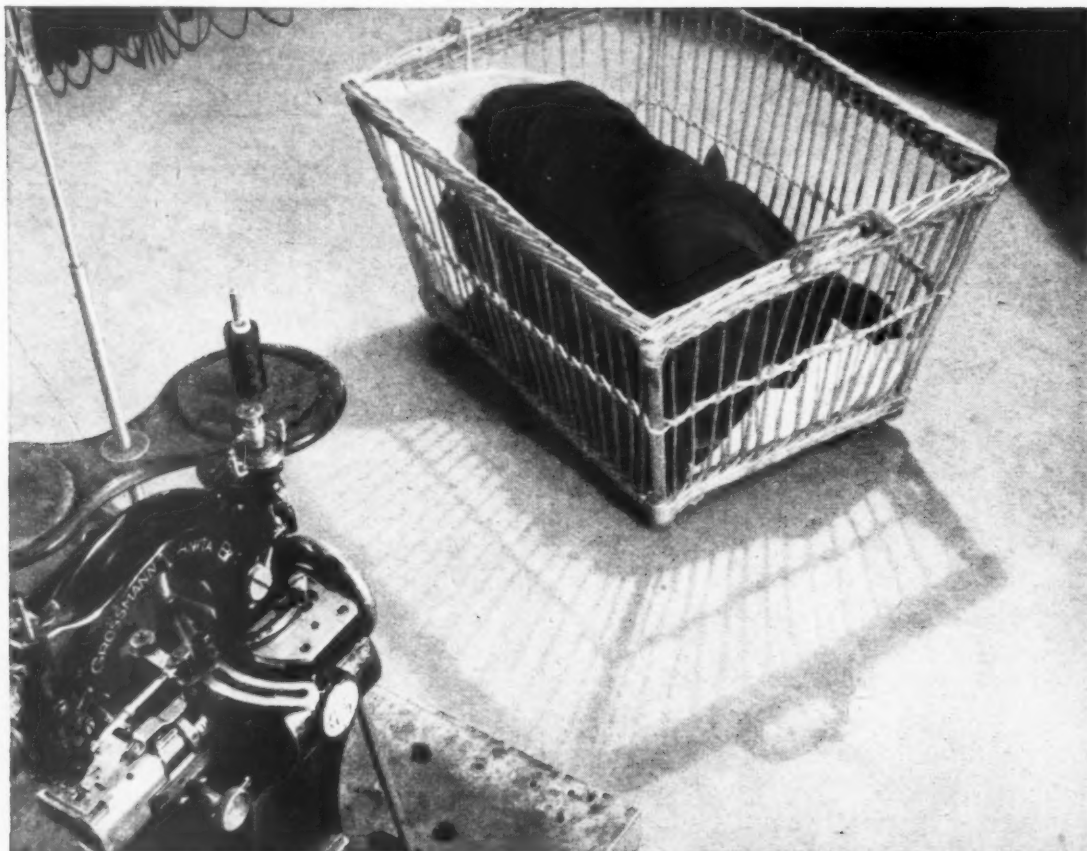
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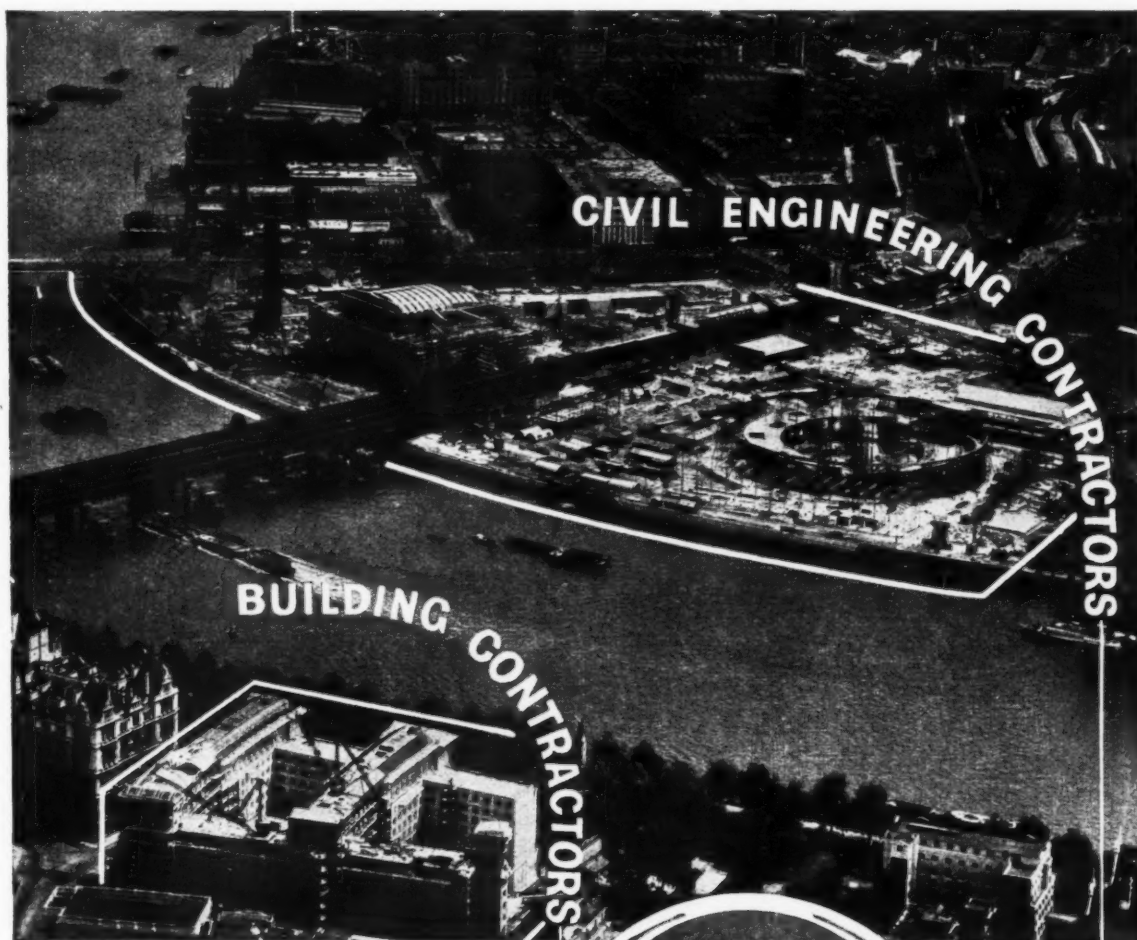
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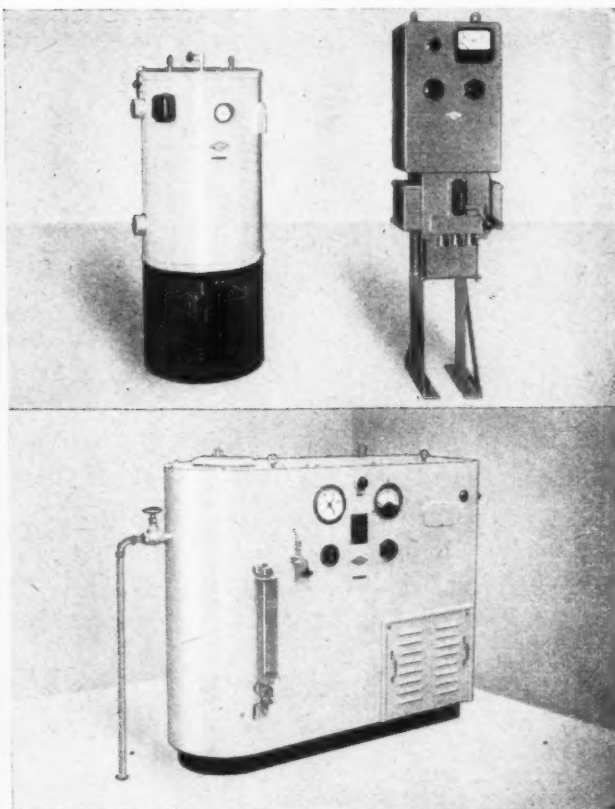
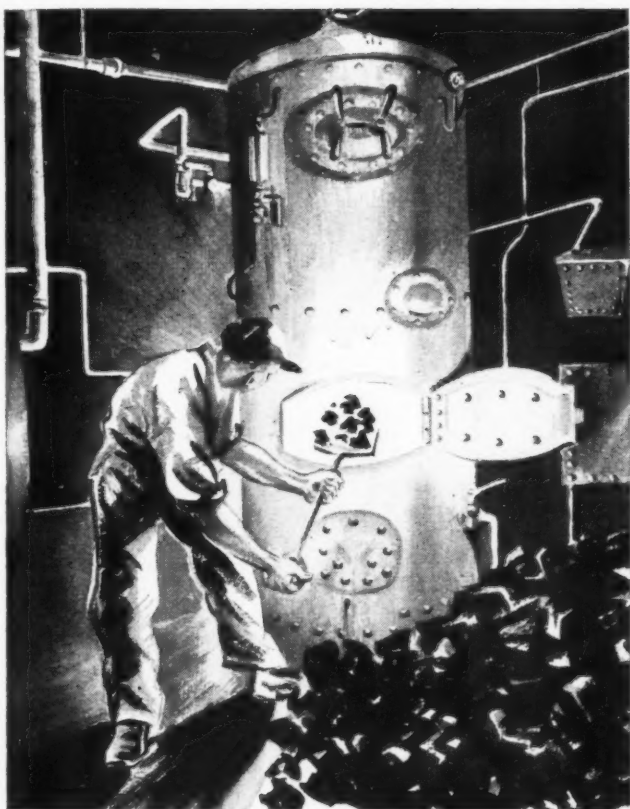
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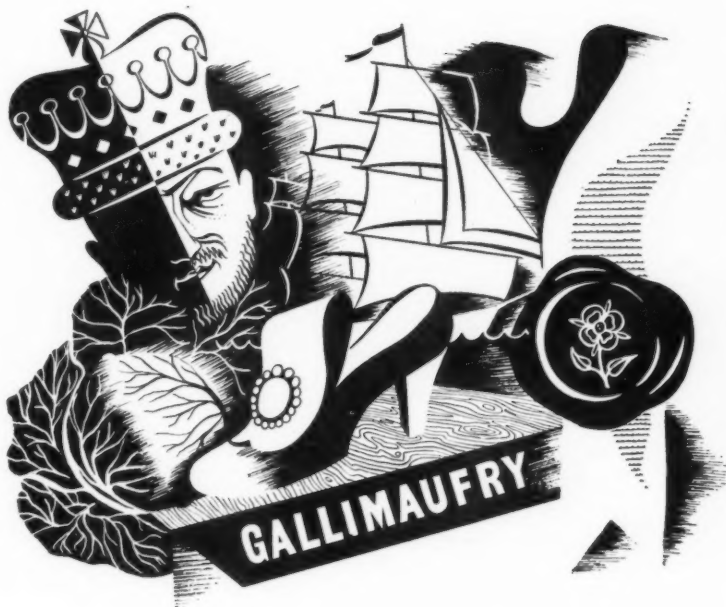


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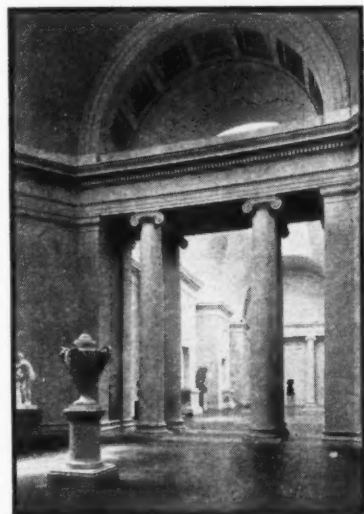


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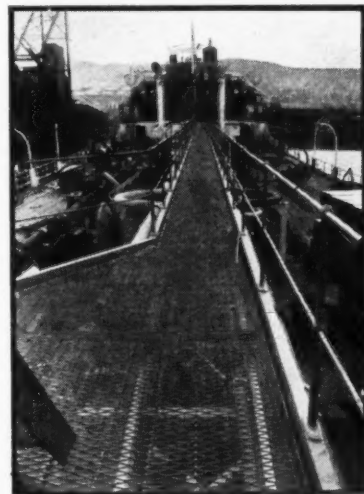


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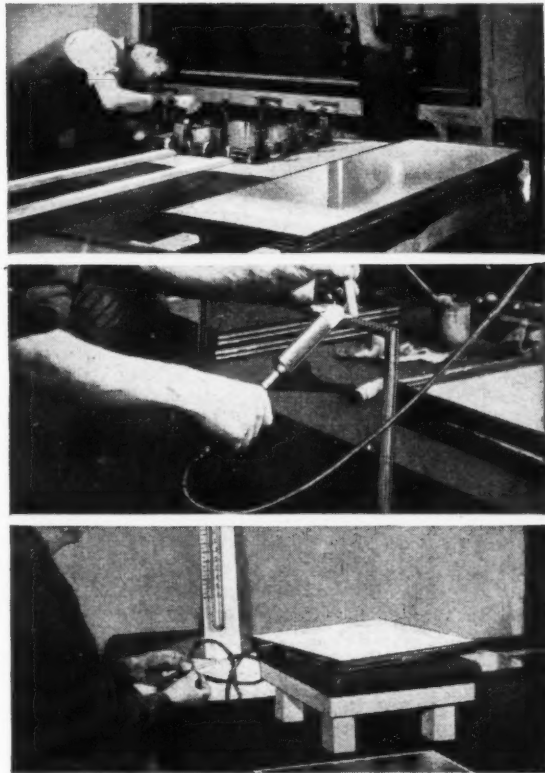
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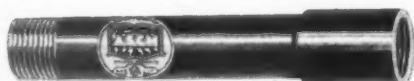
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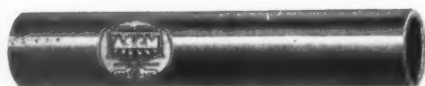
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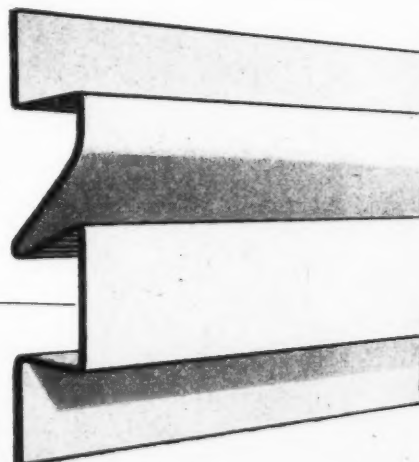
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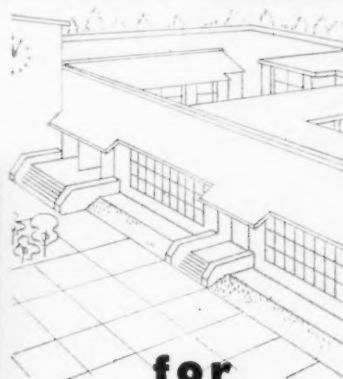
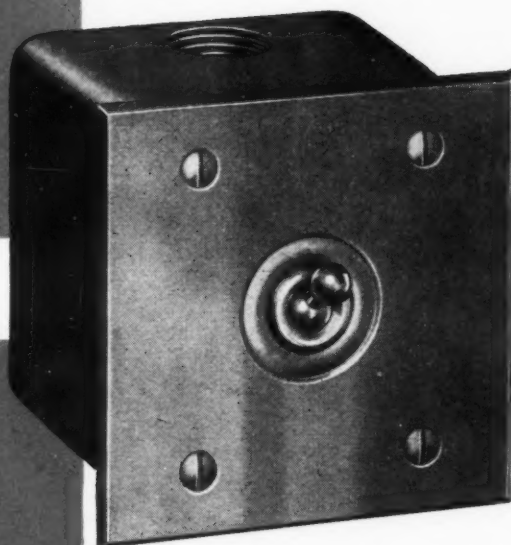
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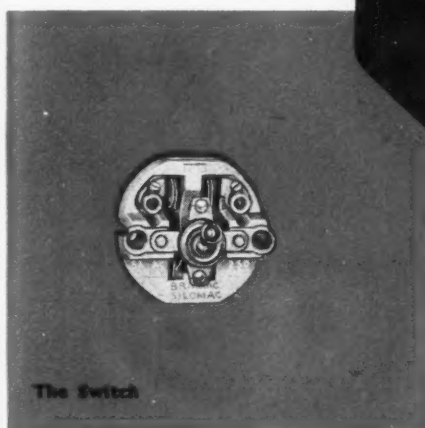
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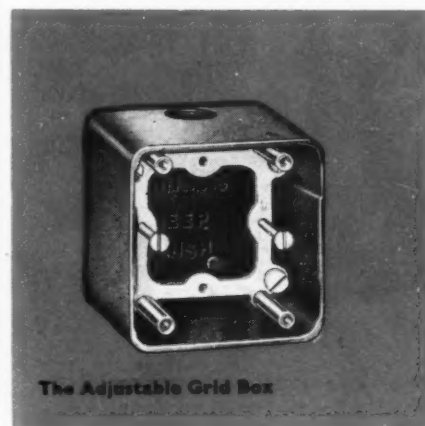


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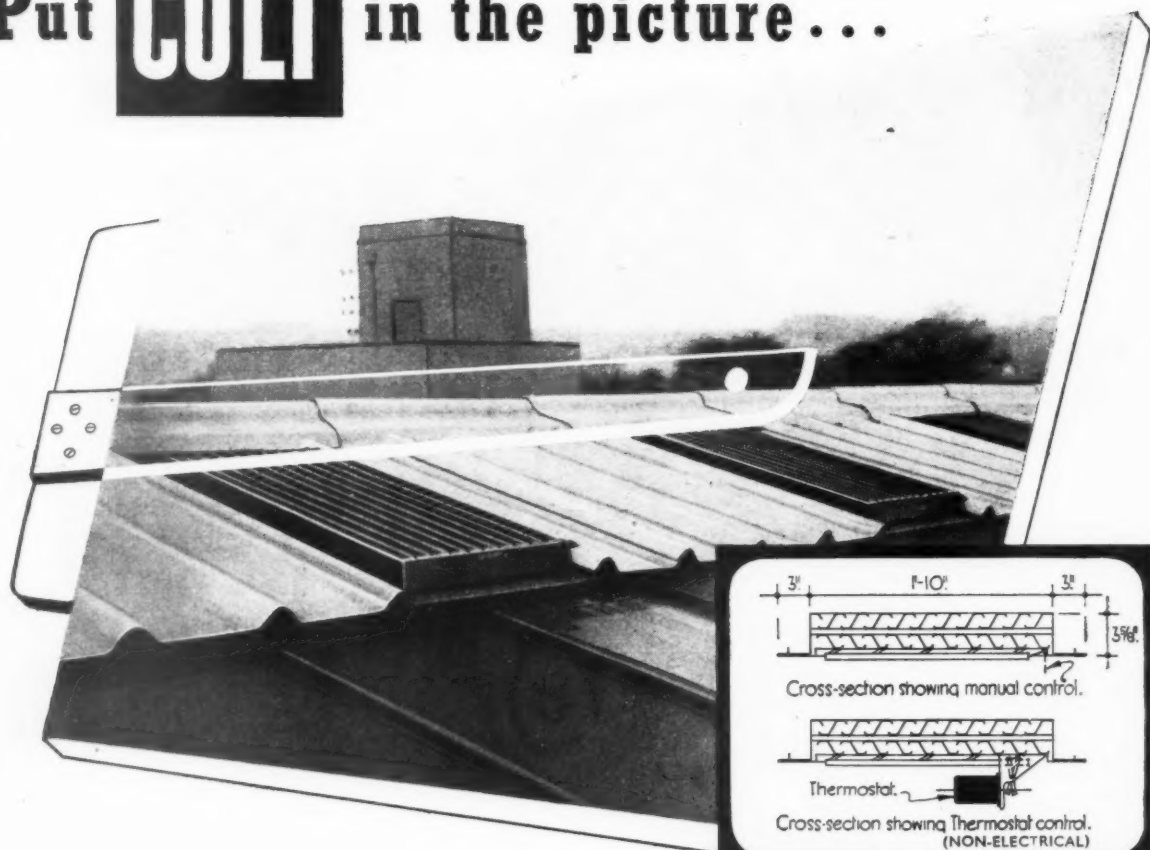


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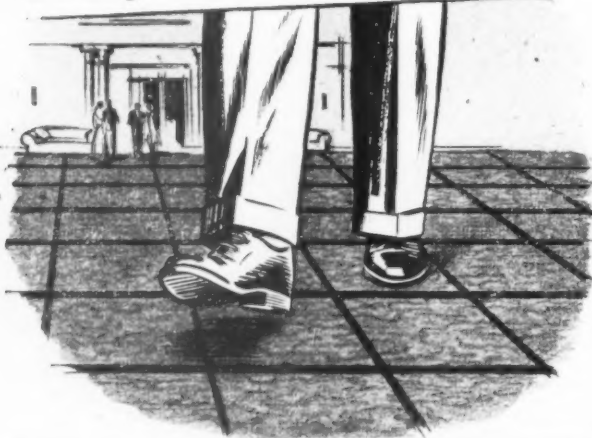
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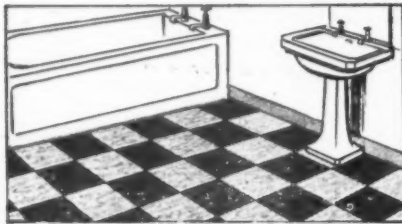
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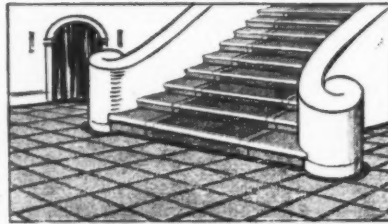
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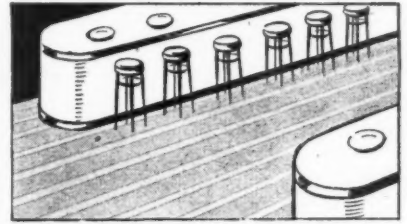
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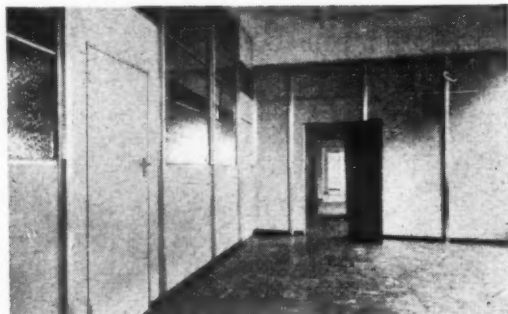


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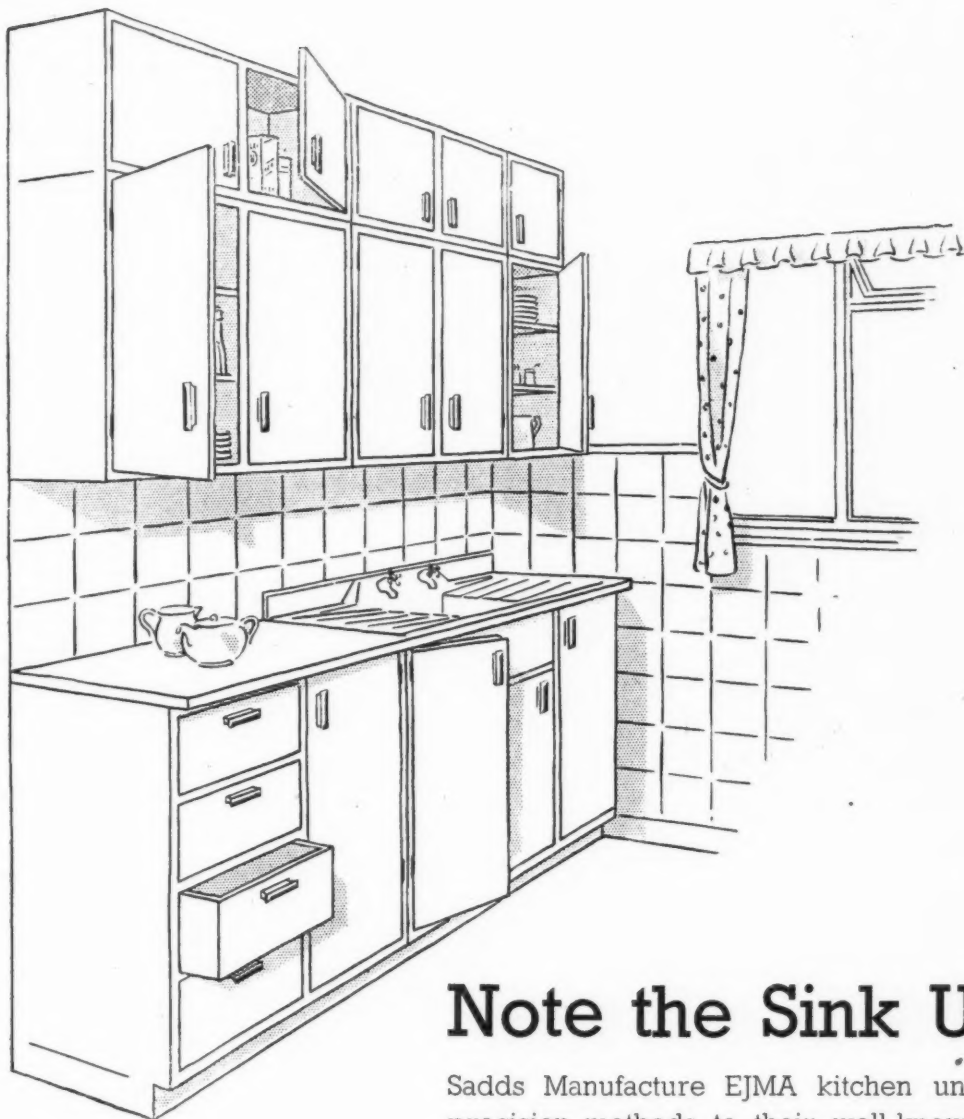


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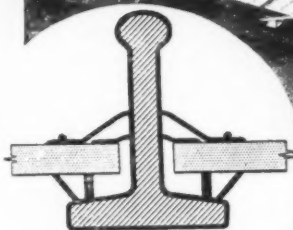
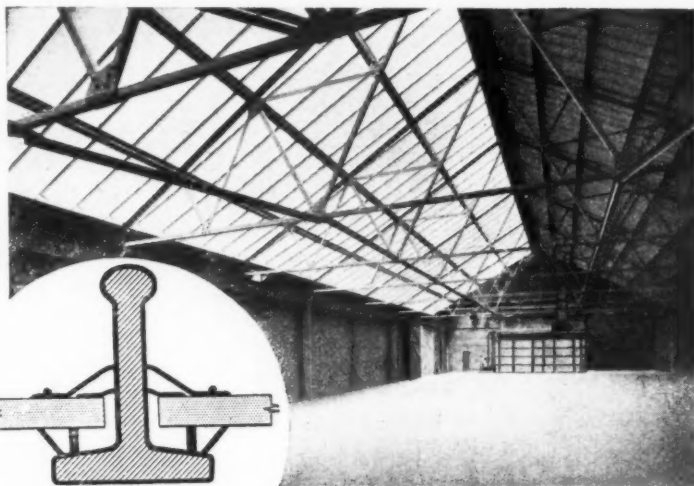
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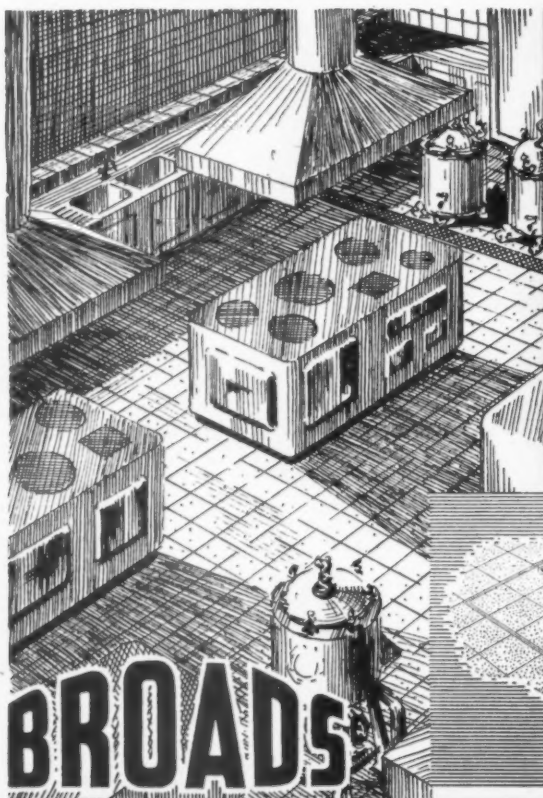
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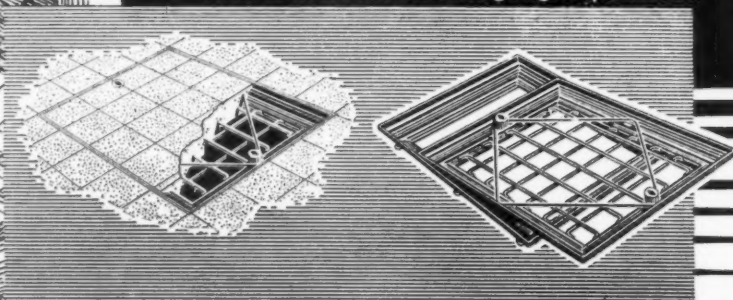
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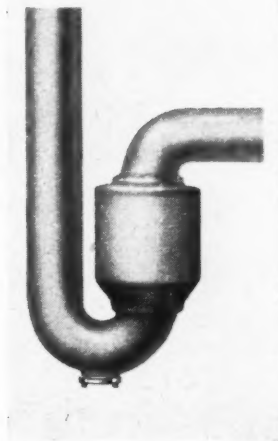


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STANDARD P-TRAP



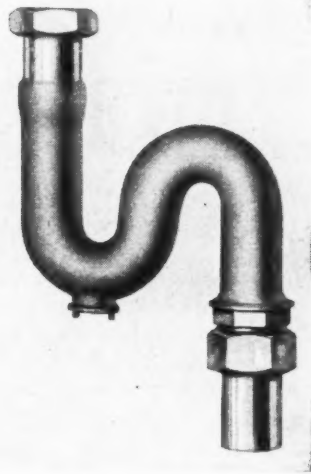
The illustration shows a standard lead P-trap with cap and lining on the inlet and brass connector on the outlet for iron waste-pipes.



RESEALING P-TRAP

The illustration shows a McAlpine Patent Resealing P-trap and hundreds of thousands of these traps have proved their efficiency over a number of years. They eliminate the need for ventilation pipes and are being widely adopted for housing developments. They are particularly useful for installation in flats and conversions to flats. In addition, they have been extensively installed in Factories, Hospitals and Public Buildings. The model illustrated is suitable for installations where lead pipes are used.

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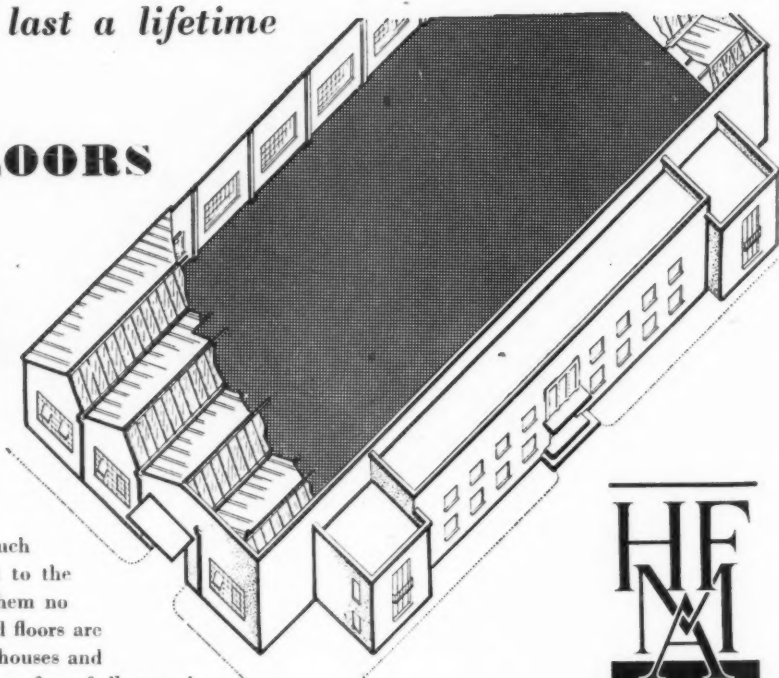
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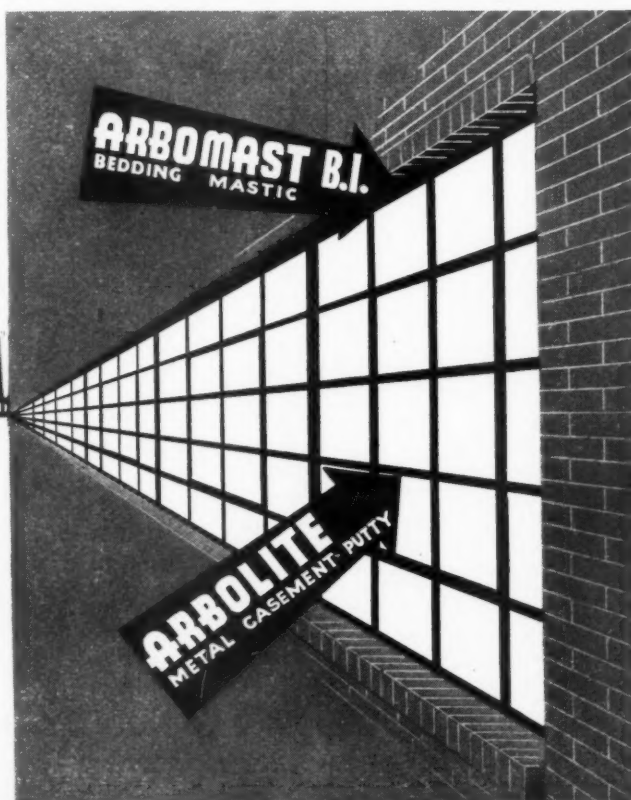
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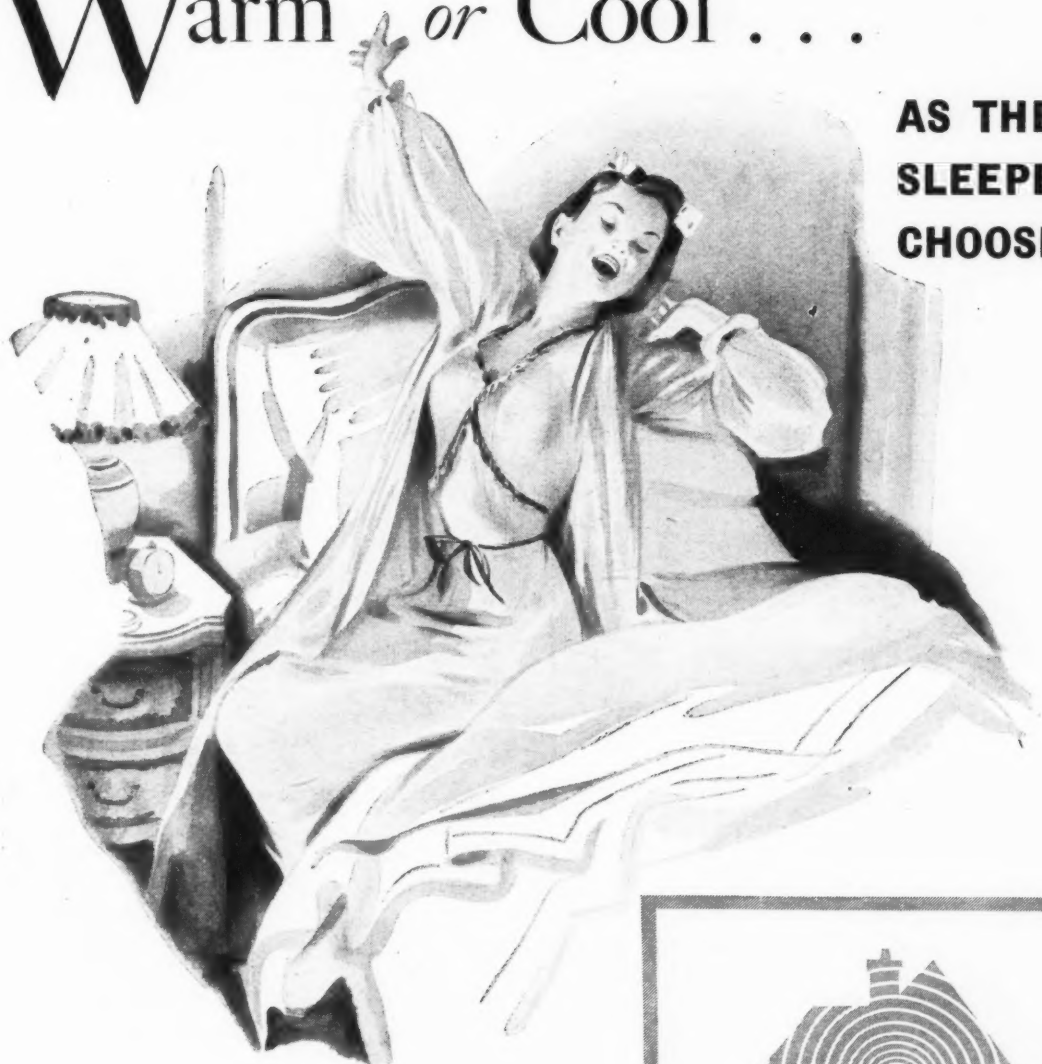
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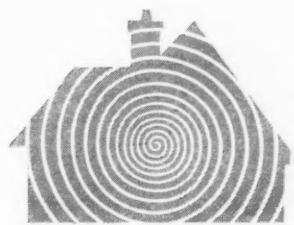
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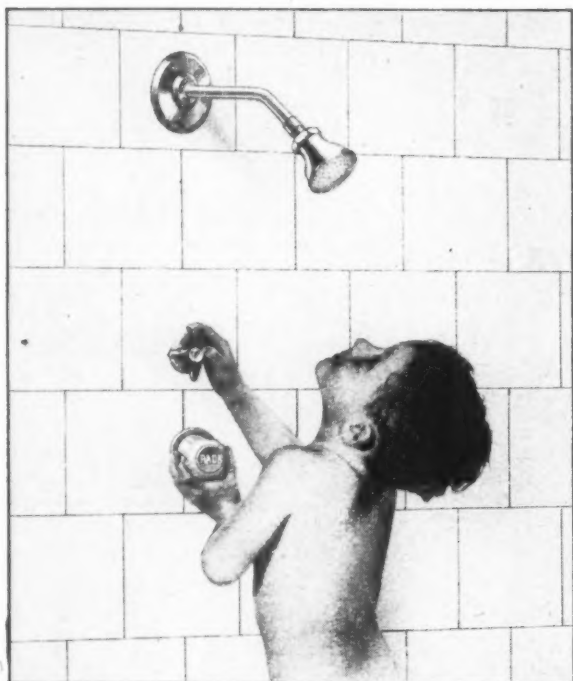


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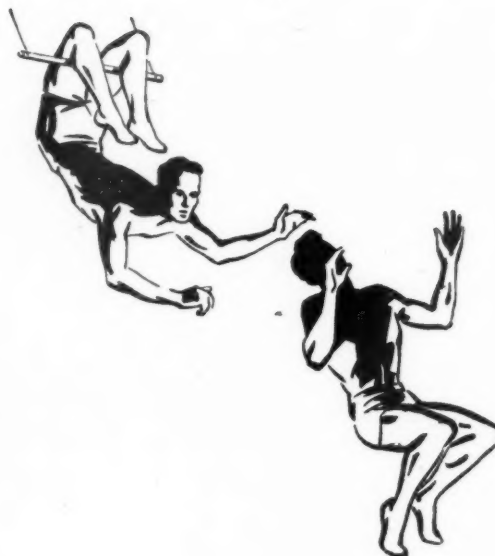
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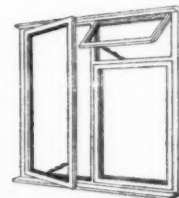
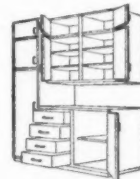
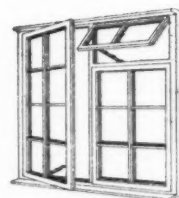
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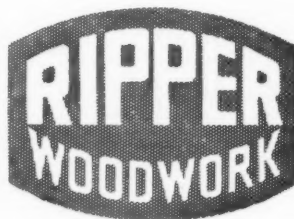


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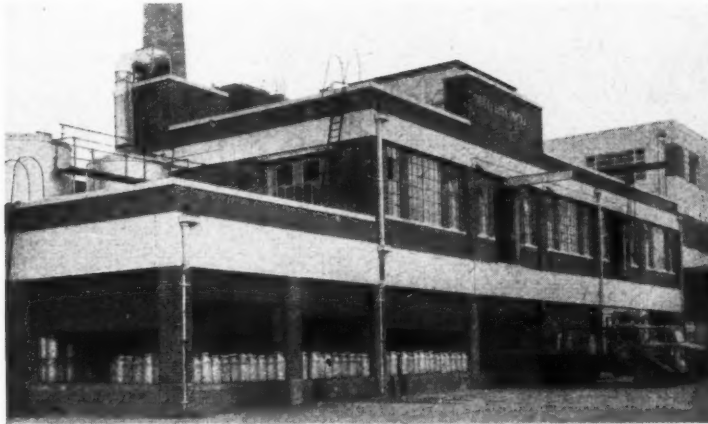


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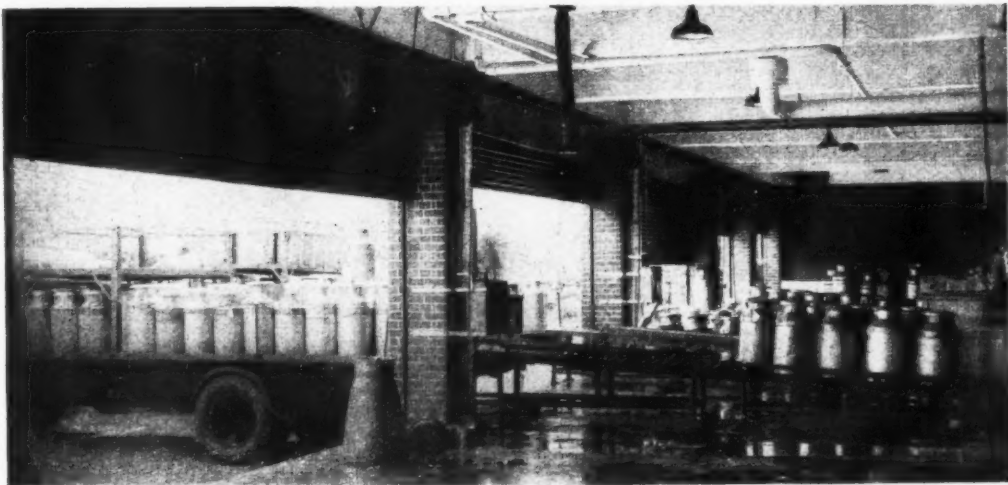
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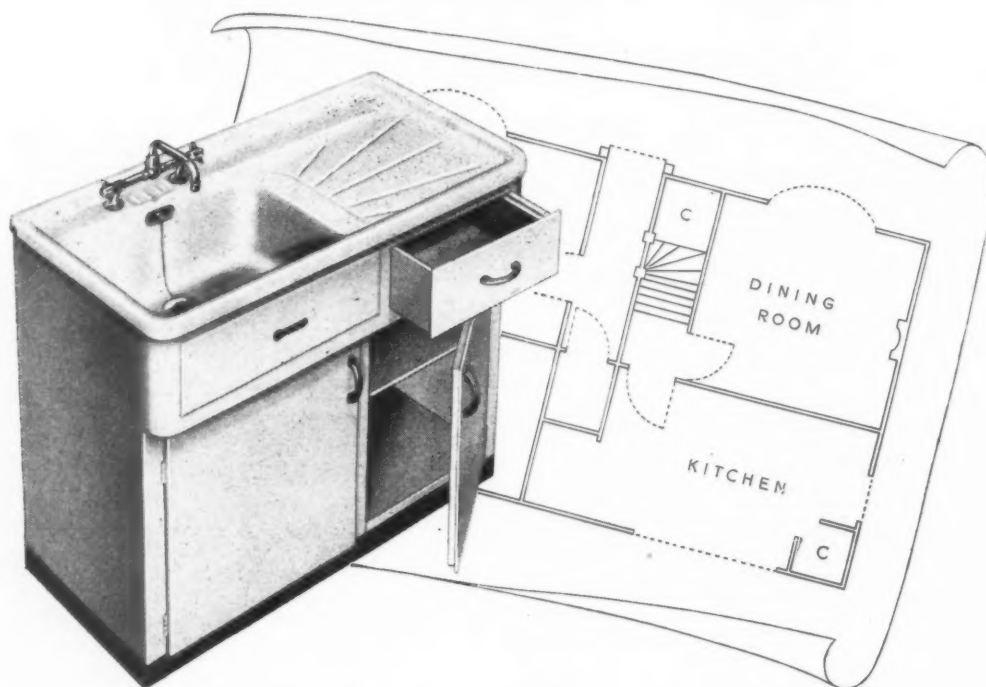
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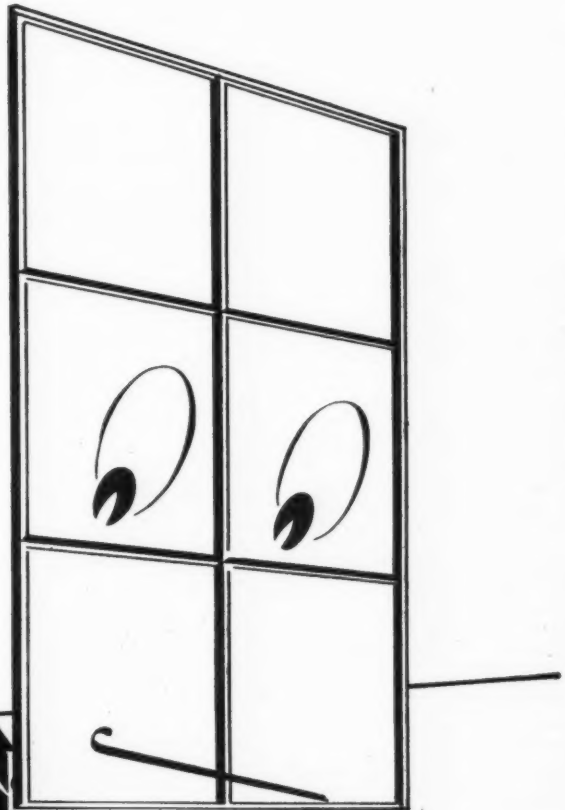
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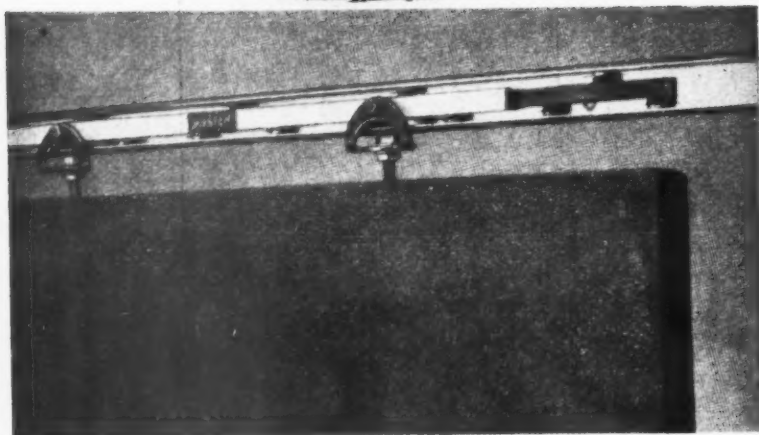
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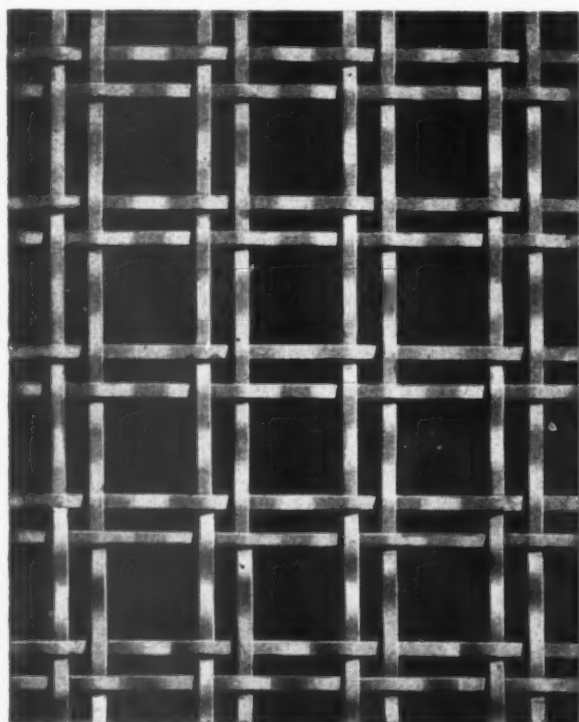
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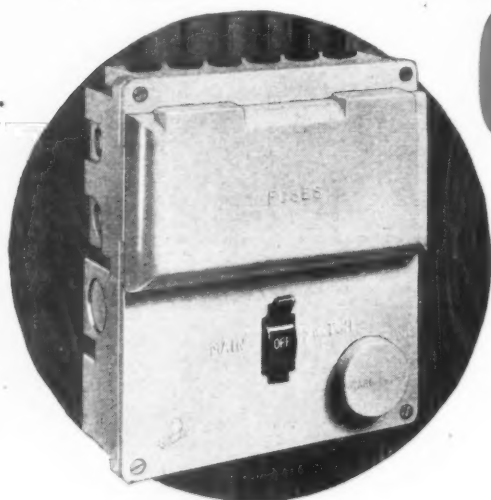
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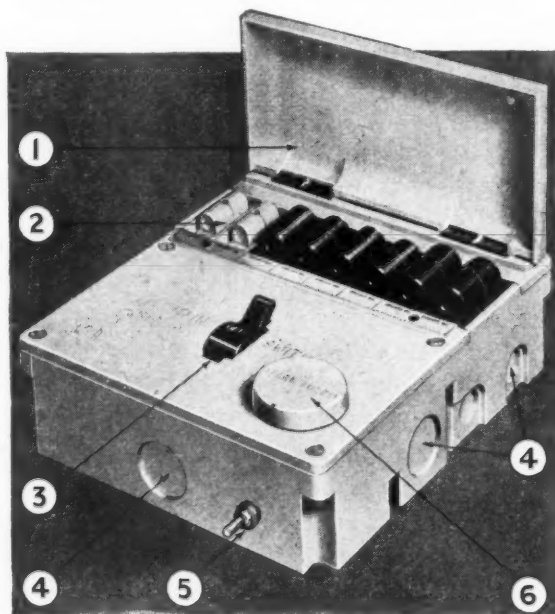
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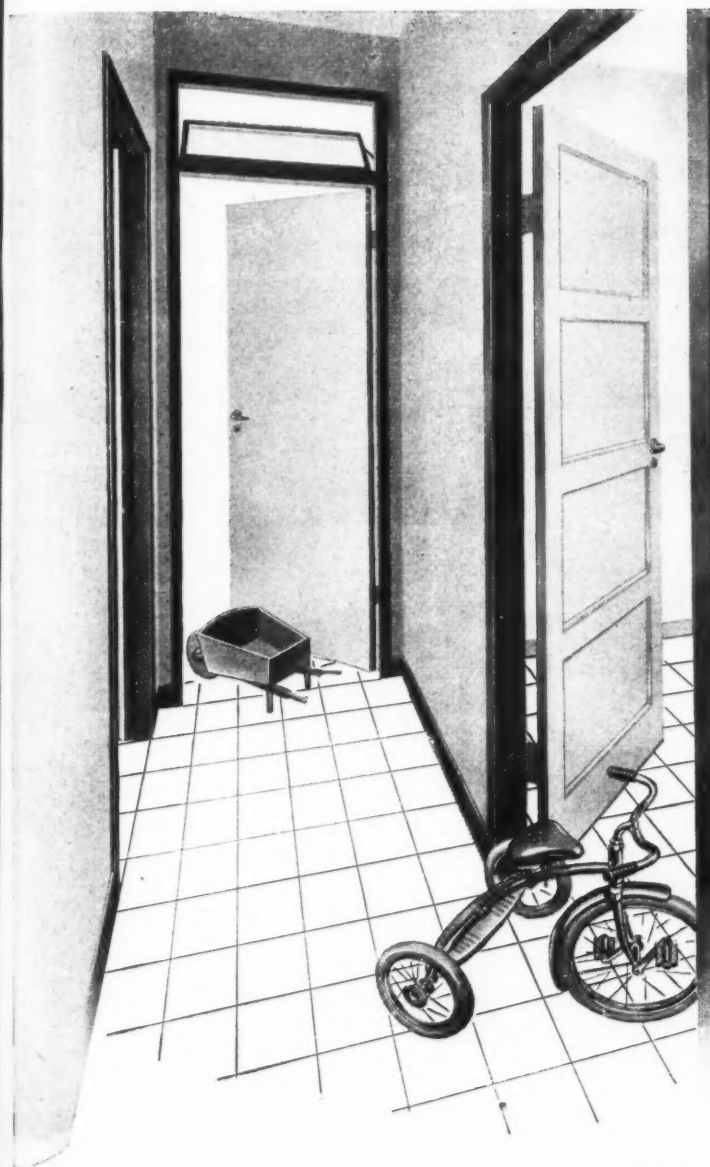
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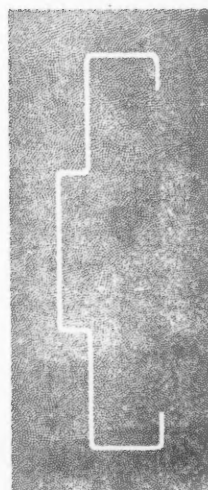
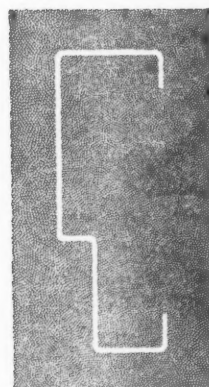
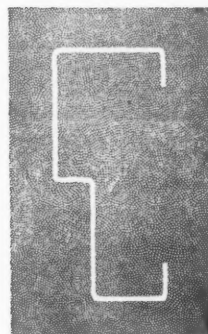
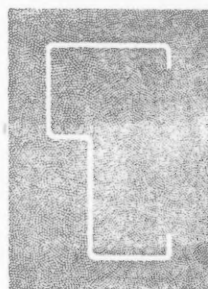
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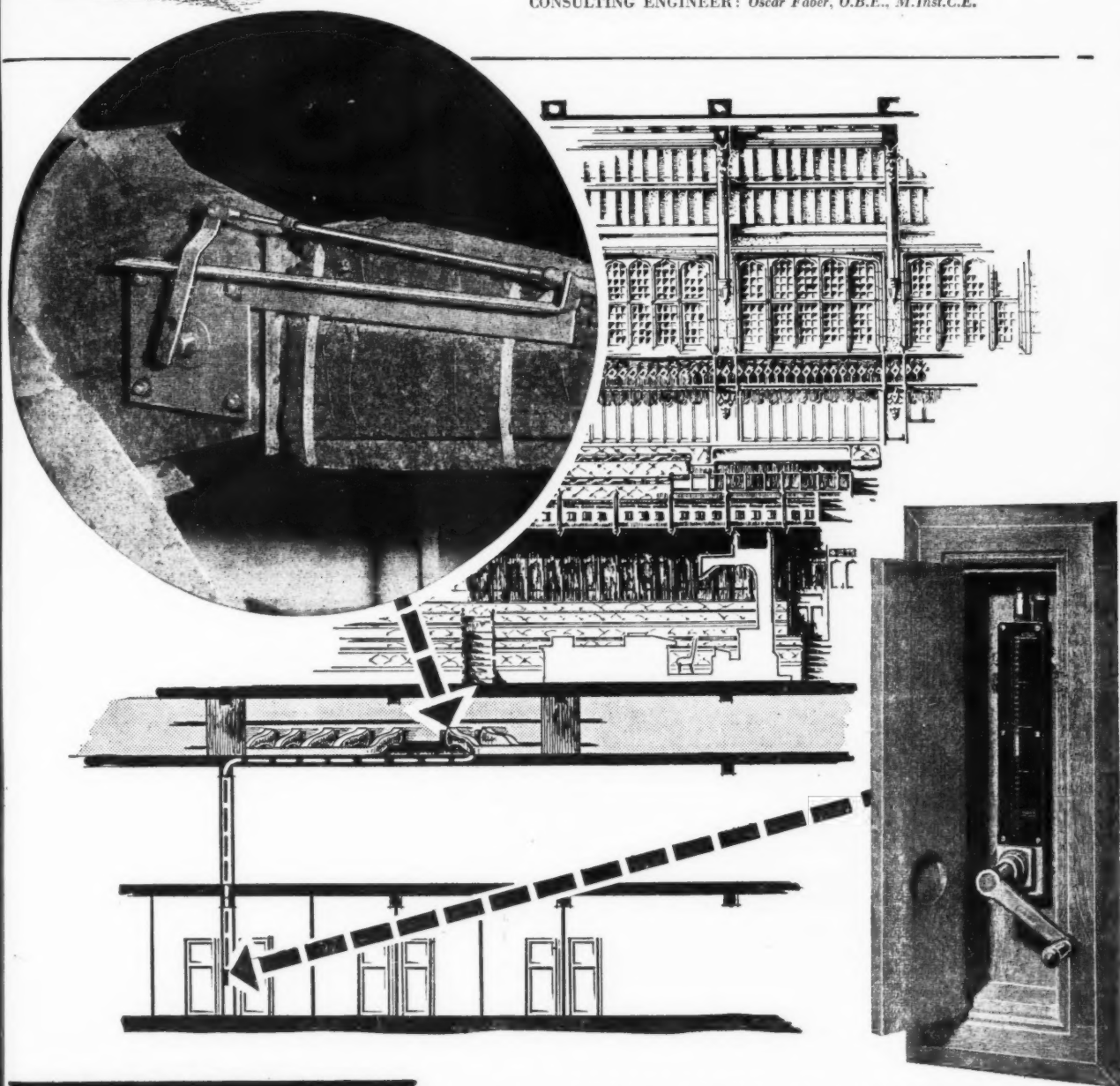
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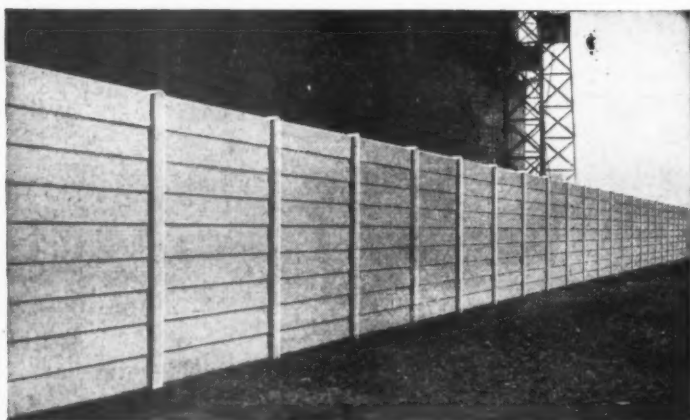
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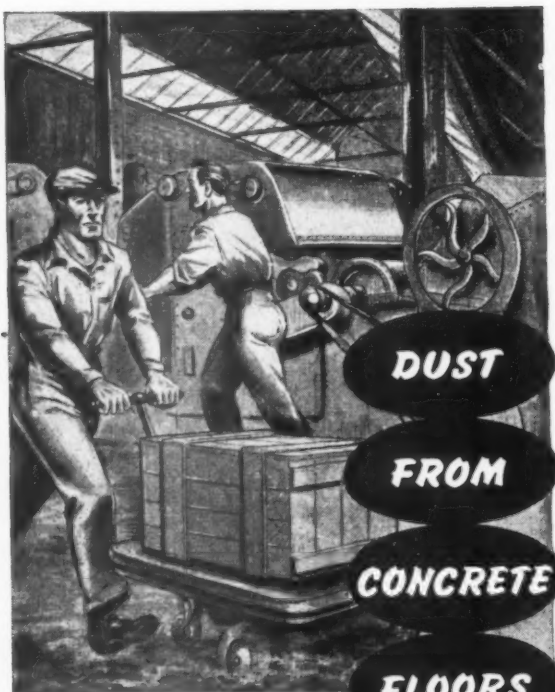
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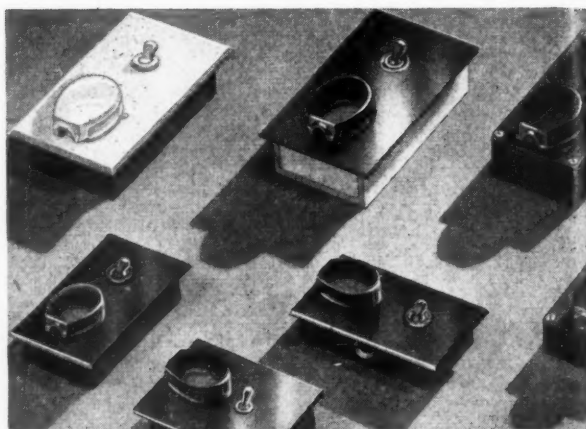
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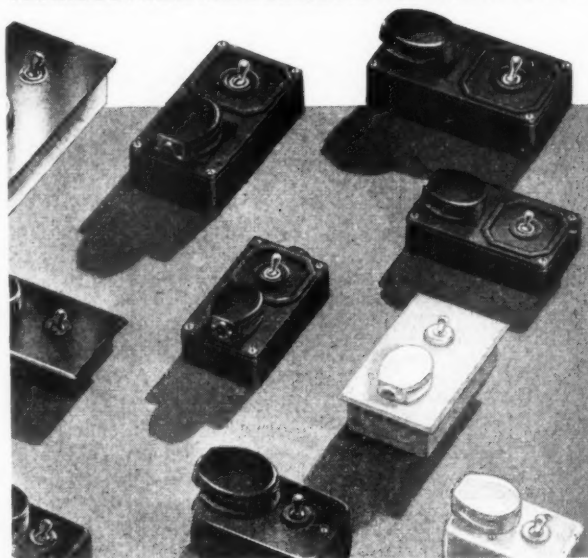
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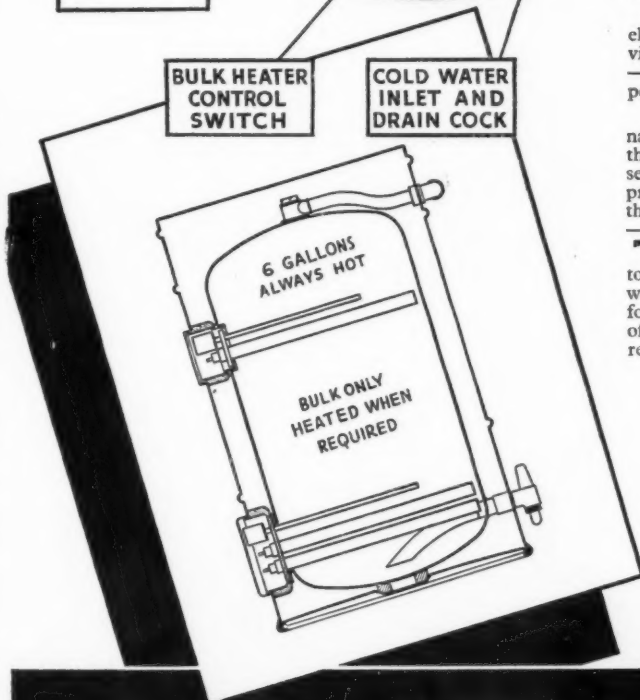
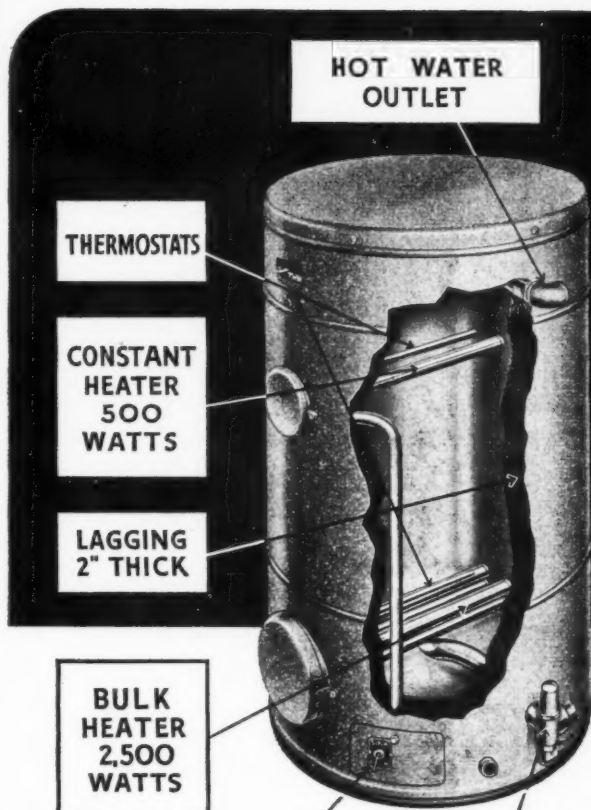


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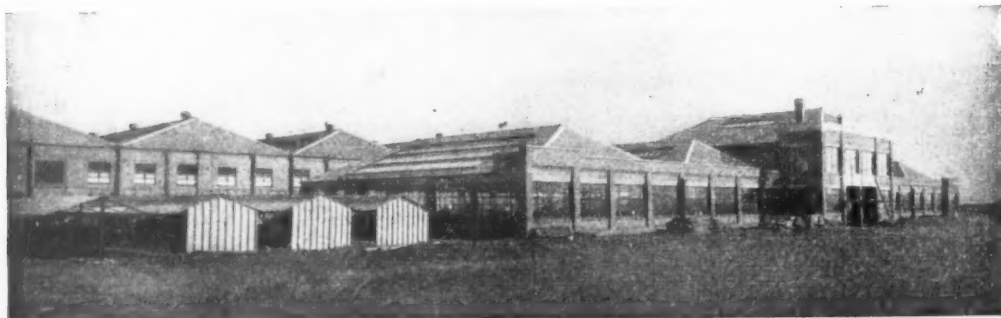
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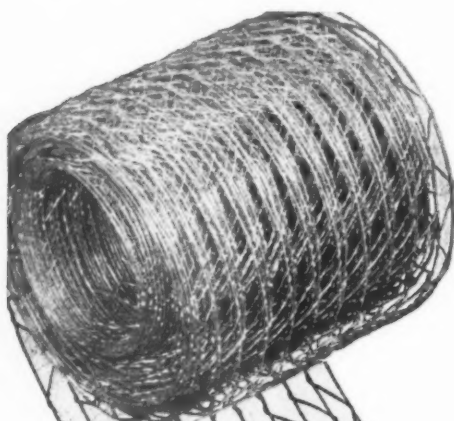
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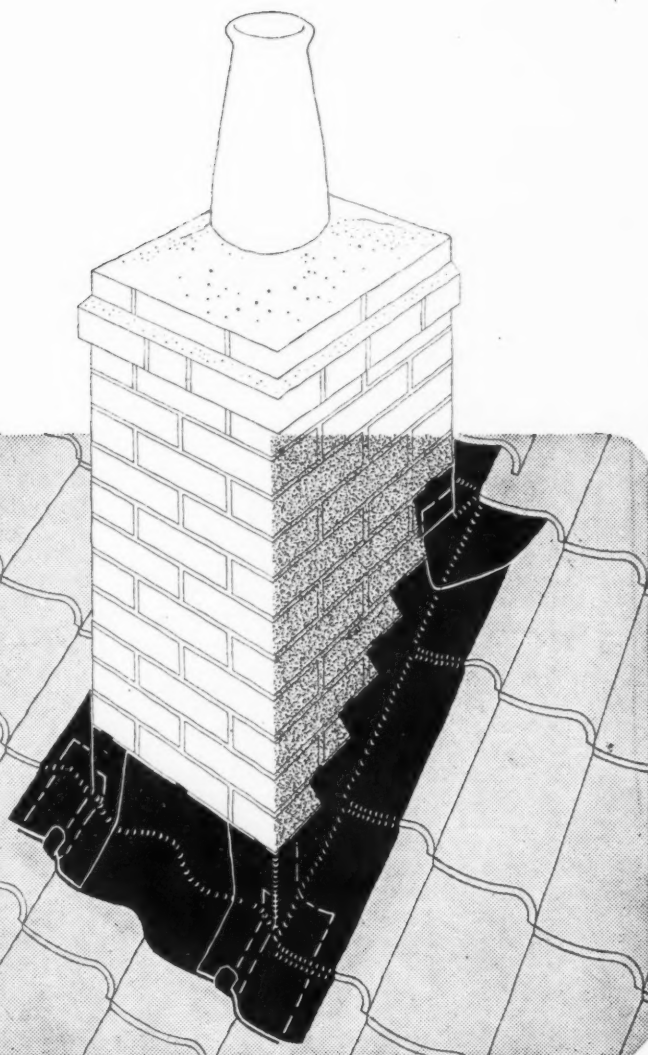
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No 2920 15 FEBRUARY 1951 VOL 113

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PRO TOO PROSAIC?

I suppose I should not call Robert Orme, whose photograph appears on page 204, a PRO, for the RIBA has decided that the successor to George Marfell's post will be known by the dignified term "assistant secretary." However, in welcoming him to his appointment, and congratulating him on his good fortune in working with and for members of such a distinguished profession, let me say that most of us will hope to find in him (above all things) the qualities of a really good PRO. There is no doubt that his most important duty will be to watch the public's relations with the architect. He must, in fact, be a good propagandist on behalf of the profession.

*

But this is not the time to offer Mr. Orme unasked for advice. While he

settles comfortably into office, let me do no more than wish him well in his important work.

WHAT EVERY ARCHITECT SHOULD KNOW

Do you think you understand the main principles about compulsory purchase orders? You do? I thought I did myself until the other day, when I heard of a recent decision involving some land in Sydenham, which seems worth remembering.

*

The case is too involved for me to describe in detail. Let me, therefore, call attention to its moral. Supposing you offered to pay a landowner more than the existing use value for his land. And supposing the Central Land Board was in the process of making a compulsory purchase order on the suggestion of a would-be buyer who had got in before you. What would happen if you closed your deal with the owner before the Order was made? The answer is that you would have to sell the land to the Central Land Board at its existing use value, which might well be merely a small fraction of what you paid for it. So if you are trying to buy some land for a client, make sure that no-one else is after it.

WICKER VISTA

If anyone had asked you a year ago what building materials were going to cause a minor crisis by being in short supply in February, 1951, would you have said "wicker?" I think not; yet the Festival Gardens at Battersea are now faced with this very situation.

*

It has already been revealed that the main vista of the Gardens, with its array of towers, screens, pagodas, kiosks and colonnades, all designed by John Piper and Osbert Lancaster, are to be constructed of wicker. They are being

made by one of the few firms who still work in this material and who normally concentrate on making picnic-baskets. And now as a result of the Festival's sudden call on their services, their stock of cane (the raw material of wicker-work) is running low, and it is being found difficult to import more. It comes from Malaya and other parts of the Far East, and shipping space is full up owing to the war in Korea.

*

Fortunately most of the structures, and all the important ones, have already been built; for the remainder it will be necessary to simulate wicker in wrought iron—an odd circumstance because (apart from picnic-baskets) the chief purpose to which wicker is normally put nowadays is to simulate wrought iron in film sets. If you buy a picnic-basket in the summer and it feels rather heavy, you'll be able to guess what it's made of.

NEW LINE ON LONDON

This Festival year will doubtless produce a flood of books about London. Several, indeed, have already appeared. With only a glance at these and no knowledge of any that are to follow, I have already picked the winner, for I feel sure that nothing else of its kind will be able to beat it. It is called *Vandringar i London* and consists of many line drawings with long captions by the Danish artist Ebbe Sadolin, the publishers being Carit Andersens Forlag of Copenhagen.

*

What drawings they are—subtle, revealing, humorous yet very simple and unaffected. If only London really looked like that. But perhaps it does if you have the genius to see it so—that is as a series of perfect compositions of sensitive, Leger-like lines well laid out on fine white paper. In future I shall look around me in this great, drab rub-

I saw this advertisement . . .



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bish-heap with the new vision which a foreigner has given to this blind native.

This is no ordinary guide to the recognized monuments. The artist has concentrated on discovering the spirit of the place by nosing about in the hidden corners in search of the curious, the typical or the accidentally picturesque—the Pleasing Decay of a bomb-blasted ruin, an “unknown” pub in Shoreditch seen through the plane-trees of a churchyard, the fantastic curves in the brick walls of Nightingale Lane, Wapping. In discovering such places he was lucky in finding the right sort of people to show him around—John Betjeman, Francis Meynell and Frank Yerbury, whose help he acknowledges on the end page.

Do not worry about the difficulties of obtaining a copy of this delightful book from Denmark. It will soon be available with an English text, for Methuens are going to publish it here.

PADDINGTON GROANS AGAIN

Well in time for the Festival, Paddington Borough Council has now completed its street decorations in Sussex Gardens on which I commented some time ago. At the west end of the road near Lancaster Gate and facing the parish church, a triangular patch has been surrounded by a row of giant concrete monoliths linked by six-foot high wire netting. The pleasure within is a masterpiece of æsthetic austerity.

Just to the west of it, a long, bare strip of earth, twelve feet across and bearing a row of old London plane-trees, has been enclosed by the standard concrete and wire barricade. Here a grand architectural focus has been added—a gate wide enough to take a five-ton lorry. It has a point of gay rococo decoration in the form of a manufacturer's plaque and it is firmly locked against dogs and their men.

The splendid scheme fails in one way only. The Council has forgotten to cut down the trees. But, of course, it may be that the trees are being kept for some practical purpose—possibly as whipping posts, to be used when the enclosures become small local prison camps for the re-education of those



This sketch of part of "The Bride of Denmark," situated in the basement of The Architectural Press's Offices in Westminster, appears in a book on London by the Danish artist, Ebbe Sadolin (reviewed on this page). It is here, incidentally, that Astragal does a lot of his thinking.

reactionary decadents who dare to demand a little more grace in civic design.

AN ALL-PURPOSE THEATRE

In his letter on page 206 G. A. Jellicoe says that I have been unfair in my criticism of the Shakespeare Theatre, Stratford-on-Avon. He suggests that as the years go by (he generously allows me another 38 years, which will make me . . . well, never mind), I shall greet every alteration in this theatre with enthusiasm, until the full circle has been completed and the 16th century wooden globe has been re-established.

It is possible, of course, that we shall eventually break away from the picture-frame stage. But is it probable? There might well be isolated attempts to dispense with the proscenium arch; but while we have such a wealth of good realistic drama to draw upon it is hardly likely that we shall do away with the form of stage on which it may be played

to best advantage. There is, therefore, much to be said for the compromise between the realistic and Elizabethan stage such as is found at the Old Vic and in Brian O'Rourke's design for the reconstruction of the Stratford theatre interior.

I was interested to hear, last week, of a theatre which does more than provide a compromise between two stage forms. It is a "dramatic studio" designed by Richard Southern for the Department of Drama, Bristol University. The auditorium and acting area in this theatre, which was opened on Friday, are flexible and can be adapted for the production of Elizabethan, realistic or arena plays. (The building has a number of permanent features on which units can be built up in various ways, as readers will see when the JOURNAL illustrates the theatre shortly.) This system could hardly be used, I imagine, in the commercial theatre, but it might well be adapted by one of the Little Theatres as an experiment.



RIBA's New Assistant Secretary

Robert W. M. Orme has been appointed to the post of assistant secretary at the RIBA. Mr. Orme was educated at Wellington College and at Jesus College, Cambridge. From 1930 he was on the London Stock Exchange. He was commissioned into the Intelligence Corps in 1942 and

held staff appointments in Italy, and Greece. He was a qualified Officer-Interpreter in Italian and French. He also speaks German. After release from the forces he was appointed to the post of Public Relations Officer to the English-speaking Union.

BUILDING WAGE INCREASE

The gap between the wages of the building craftsman and his labourer is gradually closing. When wages in the building industry were first based on the cost of living index (in 1921), the labourer was earning only three-quarters of the craftsman's wage. The wage increases granted since then have lessened this difference. And the latest decision of the National Joint Council for the Building Industry for the building industry to make a general increase in wages of 2½d. per hour, *applying equally to craftsmen and labourers*, means that the labourer now gets six-sevenths of the craftsman's rate.

*

The Anglo-American Productivity Team has pointed out that in the USA the contrast between skilled and unskilled rates of pay is much greater than in this country. Surely the relatively slight difference between these rates in this country, coupled with the crippling effect of income tax, is a brake on the incentive of skilled men in the industry.

STONES AGAINST SARACENS

Robin Fedden is an admirable writer, and his *Syria* put in his debt many people who went east in the last war, and many who didn't as well. And now he comes along with another book inspired by his knowledge of those parts, this time on a specifically architectural subject—*Crusader Castles*.*

*

With some sixty pages of text and about half as many of photographs, it is a slim but by no means a slight volume. If I had to characterize it in a single word, I think it would be "workmanlike"; Mr. Fedden has something to say about everything, from the influence of Byzantine architecture on the Frankish castles to the morale problems of those who defended them, yet the whole thing fits together without a loose end to be found. Whether such names as Margat, Saone, and Krak of the Knights previously meant anything to you or not, you will be able to read this book with pleasure—even though it may be tinged with something like nostalgia for the kind of warfare in which battering rams were countered by letting down mattresses to take the shock.

ASTRAGAL

* Art and Technics, 15s.

The Editors

THE PROFESSION'S GAMBLE

IN this and last week's JOURNAL we have illustrated part of the prize-winning designs for an extension to Edinburgh University Medical School. Congratulations are due to the university authorities for their enterprise in holding a competition and for the lavish prize-money they have awarded. It is obvious that they have been to very considerable trouble to ensure that public opinion can have no grounds for complaint with regard to the new buildings. Careful attention has been paid to highly qualified professional opinion on both the architectural and town-planning aspects of the problem. Nevertheless, there are several points in connection with this competition which give cause for dissatisfaction; dissatisfaction, in this instance, not only with the competition results, but, on a larger issue, with the whole competition system. The first point is that there were only thirty-nine designs submitted. There are four possible reasons, or combination of reasons, for this: that the competition conditions were so difficult that many competitors could not stay the course; that possible competitors were already engaged on other competitions; that architects cannot afford the time, either in or out of office hours, on a gamble; or, finally, that the profession is dissatisfied with the competition system as it exists today and each architect rates his chance of winning so low, or so unpredictable, as hardly to make it worth while entering for a competition.

Quite obviously, the second reason for the small number of entries for this important competition is not valid. The alternative competitions on which architects could be engaged are negligible. The number of competitions, of even medium importance, held over the past two years could be counted on the fingers of one hand. This dearth of competitions is a matter which greatly affects the profession and is a subject which we will discuss further on this page in the near future. The shortage, however, concerns the competition under discussion only in so far as it focuses everyone's attention on to it with a greater intensity than if it were only one competition among a dozen.

So there remain three possible reasons for the low entry: too difficult conditions, overworked architects, or dissatisfaction with the competition system. Once again the second reason is not valid. The recent RIBA report on private practice showed that though there is unequal distribution of work, there was neither insufficient work so as to cause hardship nor too much work to cause more than a slight shortage of assistants.

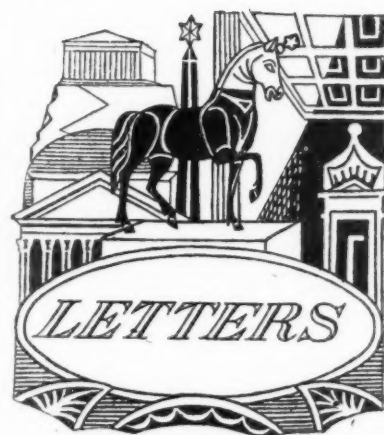
There thus remain two reasons for the small entry: too difficult conditions and dissatisfaction with the competition system. Bearing these in mind, it is worth repeating here some of the points made by A. G. R. Mackenzie, the assessor, in his report on the winning design: "I have come to the conclusion that, while none of the designs present an entirely

satisfactory solution, No. 6 will most nearly do so." Further, after admitting that the conditions "presented a very difficult problem," Mr. Mackenzie refers to "these somewhat conflicting requirements," and goes on to state that: "I find that alone among the competitors, the author of No. 6, placed first, has designed a facade which . . . is entirely in harmony . . . so that the general character of the Square may be maintained whether the remainder is redesigned or not, and I consider it fortunate that as a result of the competition a design has been obtained which goes far to restore the architectural unity of the Square. . . . All the accommodation . . . has been provided, though this cannot be said to have been carried out in the most efficient manner. I refer particularly to the circulation, the adoption of a uniform width of 15 feet for classrooms, laboratories, etc., the planning of Physiology Practical Classroom. . . . Many of these faults appear to be due to lack of familiarity with the requirements of a medical school and they would no doubt be eliminated . . . when the modifications . . . are being prepared".

In other words, the assessor has apparently decided, and there is no reason why he should not, that the crux of the competition lies in the design of the facade. He seems to suggest that while a plan can be altered, an elevation cannot be changed so easily. He then goes on to commend the planning with "well-lit blocks arranged round well-ventilated courtyards." As the distance between the blocks is approximately equal to the height of the blocks, it would be of interest to know by what standard this type of planning for a medical school could be judged as "well-lit."

Now the implication of our criticism is not that the assessor has not done his job well. There is absolutely nothing to suggest that the assessor has not carried out his task to the best of his ability. The criticism is of a competition system which does not appear to be functioning adequately. It sets the single assessor too difficult a task, it tends to produce a winning design which will have to be altered, and it asks for general qualities of design rather than confining the requests to measurable standards of performance.

We will return to this subject shortly, but perhaps enough can be seen from the quotations taken from the report that there are a distressing number of points in this competition which could only remain unknown until the assessor had made his choice for the winning design. Not so much matters of fact, as matters of emphasis and personal taste. It might well be worth bearing in mind, when next an assessor prepares the conditions for a competition for him to consider how much his requirements can be factual, measurable and unalterable, and how much he can eradicate those requirements which hinge on personal taste and opinion. Should an assessor decide that he must judge from his own standards of taste alone, then let him state clearly his preference for style and design and the profession, knowing just what would be required of it, could have no complaint to make.



G. A. Jellicoe, F.R.I.B.A.

"Assistant Architect"

Katherine Keppich

In Defence of the Shakespeare Theatre

SIR,—The comments on the Shakespeare Memorial Theatre by ASTRAGAL (February 1) seem by inference to be somewhat unjust to the original architects. The design was won in competition open to the world, under an assessor eminently respected for his judgment. The actor-audience relationship was determined not specifically by the architects but by the mood of the country at the time. With all the experience and knowledge of theatre sense that has since been acquired one wonders what the original architects would themselves have done if briefed at the present day.

In the matter of song and dance. The building, containing as it did works by Barbara Hepworth, Eric Kennington, John Armstrong, and others, was, and presumably still is, a most sensitive and original work. *The Architectural Review* certainly considered this to be so, for they honoured it at the time with a whole issue. Messrs. Ernest Benn published a book on it, with a set of photographs by F. R. Yerbury. Here indeed is equally serious food for thought for creative architects, for the original detail in this building has been plagiarized and made commonplace to such an extent that in the eye of the professional critic it registered as "chromium Odeonism." Such is the power in the modern world of association of ideas.

It is at least fortunate that the present architect, who is a contemporary of the original architects, is as sensitive and appreciative as Brian O'Rorke. But let us retain some respect for the architectural integrity of the first design, the product of months and even years of personal devotion. History indeed may show this theatre to be an intensely interesting document of the progress of culture, possibly the most interesting of the century. In nineteen years funds may have accumulated for a further change, and we can only hope that ASTRAGAL, in his forty-fourth season, will not be unkind to Brian O'Rorke, for not, what?—well, say, widening or eliminat-

ing the proscenium. Thence in his sixty-third season to O'Rourke's successor for not making a plastered oval; and so on until his final season, back to the "wooden O."

G. A. JELlicoe.

London.

Pro's, Competitions and Drains

SIR,—I heartily agree with R. H. Spencer (Jan. 4). All the architectural bodies should foster relations with the general public by every means, even, let it be whispered, by advertising. And it must be done in the language the public understands. The man-in-the-street must be made to realize the advantages of employing an architect for all matters connected with building.

I agree with Louis Erdi that we need more competitions both for public and private schemes, I would say. But they must not be either too lengthy or too short. Some recent competitions have lasted six months and others only six weeks!

A. G. Stanwell's remark about borough engineers and prejudice about architects is quite true. In one case I know of, estates are laid out by the engineer's staff and sewered, connections are left for house drains, then the architect's department get a plan of the estate divided up into house plots at 25-ft. frontages between fences (5 ft. to be left for passage on side of house out of this), and then start to design houses for same.

Quite often, when houses are built, drain connections, as put in by engineer's men, are not in easy positions for connecting up house drains, and on some occasions drains have had to be duplicated in order to get correct falls and to connect with sewer.

ASSISTANT ARCHITECT.

Birmingham.

External Rendering can be Successful

SIR,—Since 1938 my late husband and I worked on the problem of external renderings in this country. Our experience showed us that our rendering materials, so successfully used on the continent, had to be modified to meet the varying climatic conditions obtaining here.

There is no reason why we should not be as successful with rendering in this country as on the continent. Constant control over the selection, grading and mixing of aggregate and binding materials is the first essential for success. And, for this reason, factory-mixed rendering materials, requiring no site gauging with all the attendant dangers, give the best results.

I cannot refrain from mentioning that the best of renderings is, however, of no avail unless elementary precautions are taken in designing the building to be rendered. These include a damp-proof course, below which the rendering should never be carried, weatherings with a good waterdrip at all horizontal areas, overhanging eaves, if possible, and all other precautions to prevent water from penetrating behind the rendering. Many failures in this country can easily be traced back to neglect of these essential factors. Small as these items are in regard to cost, they play almost as decisive a part in the actual appearance and life of the building as the selection of a correctly compounded rendering material.

KATHERINE KEPPICH.

Cheddar.

The EDITORS reserve the right to shorten letters from readers. Whenever possible however, they are published in full.



LOW COST HOUSING

Results of "The Builder"'s Competition

The winners of the competition for low-cost housing, organized by *The Builder*, are as follows:—

First (£250 prize): J. L. Womersley and G. Hopkinson (borough architect and deputy borough architect respectively to Northampton County Borough). Second (£100 prize): Edward Narracott & Associates, of Torquay, Devon. Third (£75 prize): H. Underhill Diplock, of Richmond, Surrey.

The following have received honourable mention and a prize of £25:—A. G. Goodair, of Southsea, Hants; Johnson & Crabtree, of London, W.1; Howard N. Michell and T. Snow, of Stanmore, Middlesex.

The following three are highly commended:—Norman R. Minter, of London, W.C.1; John W. Poltock, of Loose, near Maidstone, Kent; Hon. R. de Yarburgh-Bateson, of Great Hormead Bury, Buntingford, Herts.

The designs submitted (322) and a model of the winning design will be on view at the Conference Hall, County Hall, S.E.1, from 1 p.m. on Monday, February 19 to Saturday, February 24, between the hours of 10 a.m. and 7 p.m. (Saturday, 10 a.m. to 5 p.m.)

COMPETITIONS

Club House for Aberdeen

The Management Committee of Woodend Bowling Club, King's Gate, Aberdeen, invite architects resident or practising in the area of the Aberdeen Chapter, RIAS, and student-members of the Aberdeen Chapter (in association with a registered Architect) to submit designs in competition for a club house. The assessor will be W. W. Friskin, of Dundee. Prizes: (1) £50; (2) £30; (3) £20.

Conditions of competition and a plan of the site may be obtained on deposit of £1 1s. (returnable) on application to:—James R. Leith, secretary, Woodend Bowling Club, 292, Queens Road, Aberdeen. The last date for questions is February 26, and designs must be submitted by May 28.

Memorial in Jerusalem

The executive of the World Zionist Organization, in association with the Board of Trustees for Herzl's Tomb (composed of members of the Zionist Executive, Government Ministers, the Mayor of Jerusalem and representatives of the Jewish National

Fund) and in agreement with the Competitions Committee of the Association of Engineers and Architects in Israel, invites Jewish architects and sculptors in Israel and throughout the world to submit proposals for the architectural planning of Herzl's Tomb, the grave of Herzl's family, Wolffsohn's grave (both of which are located near Herzl's Tomb), the park on Mount Herzl and the traffic lay-out in the immediate vicinity.

The first prize will be £1,200, the second, £900, and the third, £600. There will also be prizes of eight purchases totalling £2,300. (These sums are in Israeli pounds.)

The assessors are as follows:—B. Locker, chairman of the executive of the Zionist Organization and the Jewish Agency, Jerusalem; A. Berachyahu, engineer, Jewish National Fund, Jerusalem; J. Metrikin, architect, technical department, Jewish Agency, Jerusalem; Dr. L. Lauterbach, secretary of the Zionist Executive, Jerusalem; J. Pinkerfeld, architect, Tel-Aviv; Professor Y. Ratner, architect, Haifa; H. Rau, architect, Jerusalem; J. Weitz, Jerusalem; competition secretary, S. J. Kreutner, Organization Department of the Zionist Executive, Jerusalem; N. J. As'an, architect, of London.

Questions must be submitted to the secretary, London Committee, Herzl Memorial Competition, 77, Great Russell Street, London, W.C.1. The last day for submitting designs is June 21, 12 noon.

Offices for Dublin

Prizes of £750, £500 and £250 will be given for the best three designs in a competition for new central offices for the Dublin Port and Docks Board, at Custom House Quay, Dublin.

The competition is open to architects practising in Ireland. The panel of assessors includes Andrew Graham Henderson, Alfred Jones, and Vincent Kelly.

RIBA

The Soane Medallion

Intending competitors for the Soane Medallion Competition should note that it has been decided that, with respect to the RIBA Final or equivalent Examination, students need not have passed the Professional Practice Examination to be taken after twelve months' practical experience.

BUILDERS' WAGES

Increase Next Month

The National Joint Council for the Building Industry have arrived at decisions with regard to the notices submitted last November by the organizations of employers and operatives. The main decision is to make a general increase in wages of 2½d. per hour. This will take effect on Monday, March 5. The increase will apply equally to craftsmen and labourers.

The decision has followed a detailed comparison of weekly earnings of industrial workers generally. That comparison has established that the present weekly earnings of building workers now compare less favourably than in former years with those of workers in other major industrial groups, and an adjustment of the present building wage-rates is accordingly necessary in order to ensure a balanced position.

The decision has not been influenced by, and does not affect, the recent agreed settlement on incentive payments; it is also independent of the ordinary operation of the sliding scale clause.

(Continued on page 210)



First prize-winning design.

Last week we published plans of the first prize-winning design in the competition for an extension to the medical school, Edinburgh University. We asked a correspondent living in Edinburgh to report on the prize-winning design and the designs of other competitors. His comments on these and on the competition conditions, which he considers to be too restrictive, appear below.

EDINBURGH

A Report on the Designs For a Medical School

Before dealing with the designs submitted in the competition for a medical school extension, one ought to question whether or not George Square represents an architectural unit in the sense of Charlotte Square in Edinburgh or Bedford Square in London.

The answer is "no," for the following reasons:—

First, the length and width of the Square is too big in relationship to its surrounding buildings and their domestic scale; second, the Square slopes to the south but no architectural phrase expresses this important topographical feature. At the same time, the balance of a level square is lost. George Square has neither the scale nor the proportions which would produce that feeling of harmony to be found in Charlotte Square, Bedford Square or the Place Vendôme, etc. It was, therefore, a profound mistake on the part of the organizers to impede the flow of the designer's imagination with a reference in the conditions to a unity which does not exist. The result is that freedom of design has been partly lost. The proposed buildings show little character in their composition. An obvious inhibition prevails throughout



The proposal to demolish the north side of George Square, Edinburgh (shown above), to provide room for new University buildings, has caused considerable controversy in the city. It is clear, however, that the Corporation's decision to "accept in principle the proposal for development in an area . . . broadly that referred to as the George Square area," was not made with haste. Both the Corporation and the University authorities appear to have given careful consideration to the possibility of siting the new buildings elsewhere, a proposition that does not seem to be practicable. In his review of the winning designs, on this page, our Edinburgh correspondent is disturbed, not by the proposal to demolish existing buildings, but by the conditions imposed on the competitors, who were asked to regard the Square as an architectural unit. It is, he says, too large to be considered as such. And he deplores the lost opportunity of showing that "good contemporary architecture will blend better with historic buildings than insipid eclecticism."

most schemes. Through no fault of his own each designer must have found it necessary to stifle his original impulses.

This was a splendid opportunity for someone to show that good contemporary architecture will blend better with historic buildings than insipid eclecticism—an eclecticism (not even scholarly) which, contemptuously ignoring the golden rules of the old masters, indulges in shoddy reminiscences of the inter-war years whose true character could be best expressed in "carpet area."

PRIZE-WINNING DESIGN

The first prize-winning design, won by W. N. W. Ramsay of Glasgow, could best be described as a worthy, though not inspiring, design. The masses of the buildings are quite

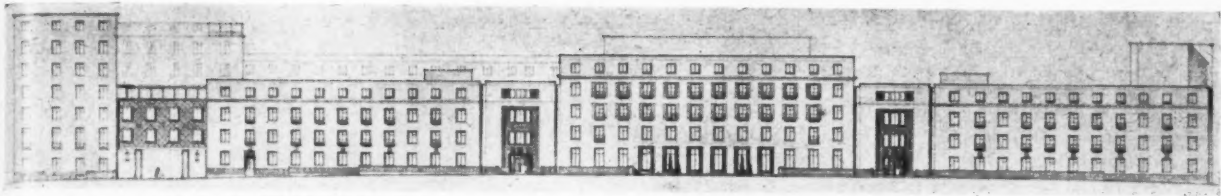
happily grouped within the available area. The detailing, however, lacks elegance.

The second prize, won by P. N. Taylor & J. Holt of Bristol, shows a plan which is more free and displays a bolder grouping. Its façade is certainly not crude, as described by the assessor. The scheme is confident in conception and detail.

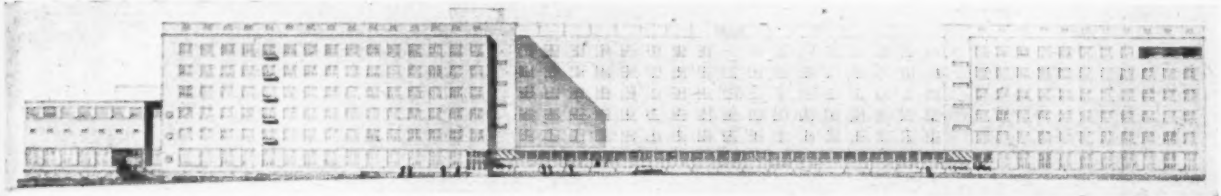
The third prize was won by A. J. M. Tolhurst, Esher, Surrey. This scheme leaves one wondering on what merits it has been elevated into the triumvirate of the prize-winners.

THE RUNNERS-UP

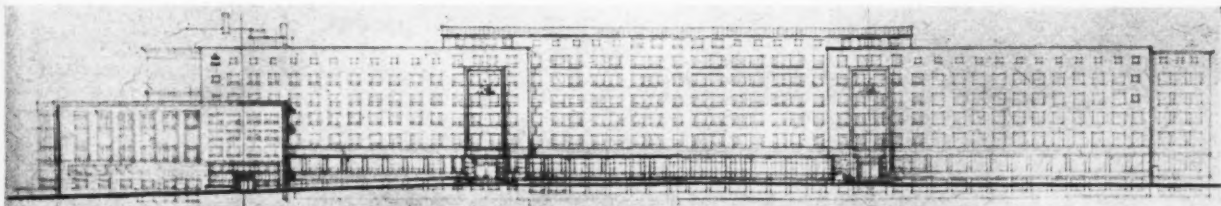
Some of the rank and file of the undecorated combatants should be mentioned for qualities in their basic approach. They hold more promise for



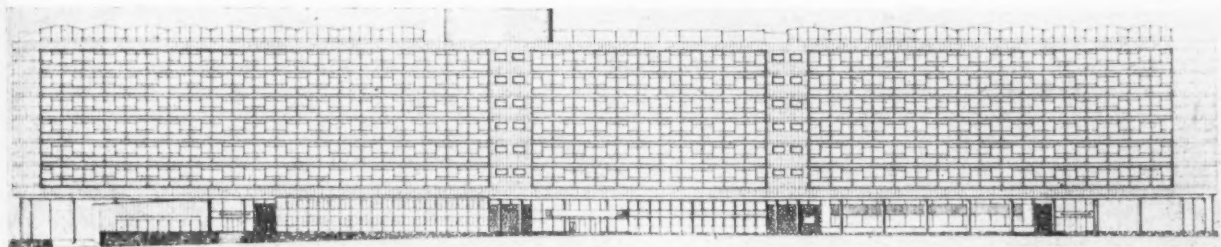
First prize-winning design by W. N. W. Ramsay.



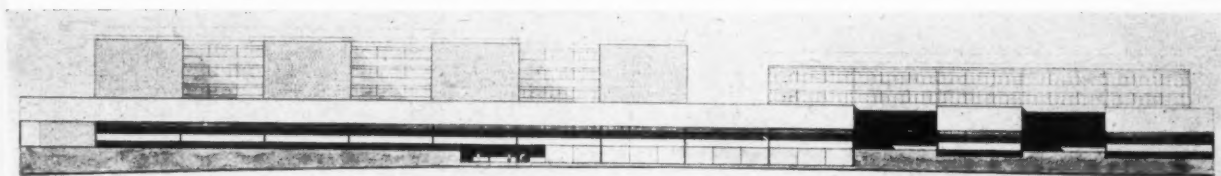
Second prize-winning design by P. N. Taylor and J. Holt.



Third prize-winning design by A. J. M. Tolhurst.



Design by R. Maxwell, D. Stephen, V. Colquhoun, M. Dent and M. Nesbitt.



Design by Eric Towel, James Gowan, Peter E. Jones.



Design by Newcombe and Newcombe.

the future than the routinies. Their encouragement would have rendered great service to the good course pursued by the progressive part of the architectural profession.

For instance, a group consisting of R. Maxwell, D. Stephen, A. Colquhoun, M. Dent, and M. Nesbitt, submitted an interesting scheme. It displays remarkable feeling for space. For those whose definition of space derives from reading of plans in con-

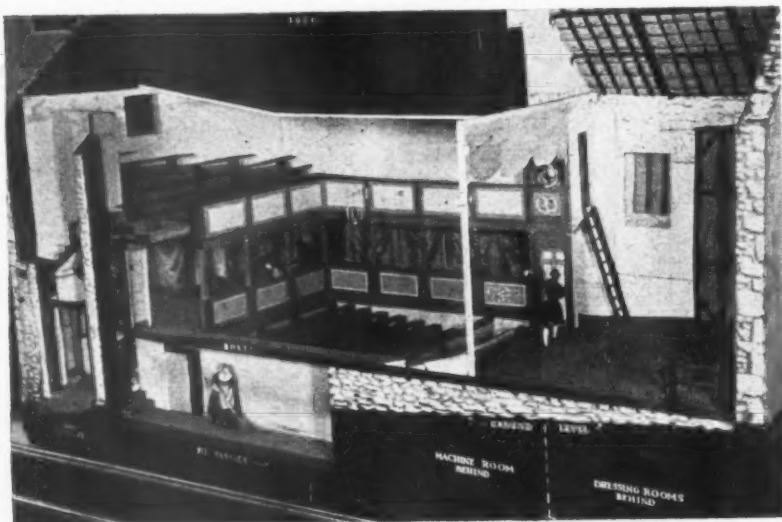
junction with the elevations only this design evoked no response. It is most regrettable that this clear voice was not heard. The scheme shows the designers had a sincere desire to shape space into architectural expression, even though they were handicapped by lack of experience. The façade is disappointing; perhaps it is a case of too many cooks spoiling the broth.

Eric Towel, J. Gowan and Peter E. Jones, of London, are the authors of

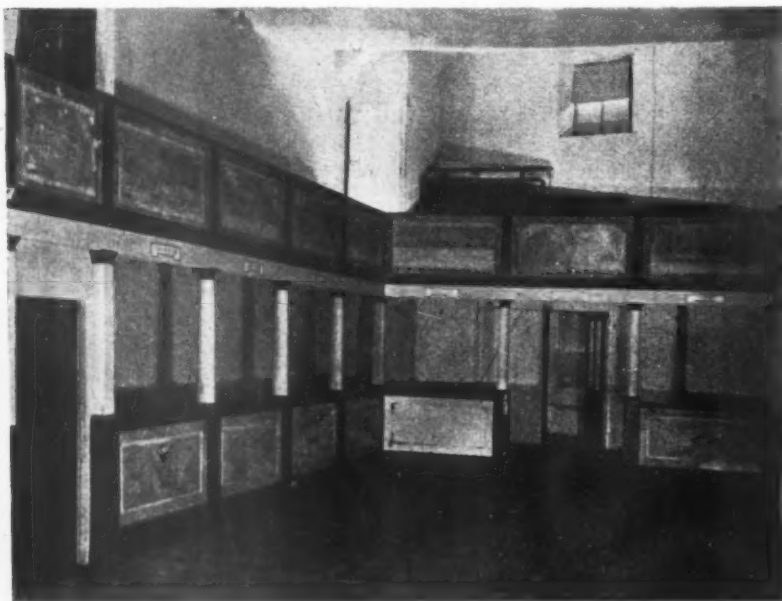
another scheme which shows courage and imagination. Although unnecessary and costly escapades are made to cater for simple functions, the rhythm and composition reveal great talent.

The design of Newcombe & Newcombe, of Newcastle-upon-Tyne, is an example of well-applied eclecticism. The simple treatment of the two wings gives the classic motive in the centre unusual power and even some dramatic force.

RESTORATION OF GEORGIAN THEATRE



These pictures show the Georgian Theatre at Richmond, before work on restoration was commenced, and a model of the theatre as it will appear when the work has been completed. An appeal for funds to complete the restoration was made last Thursday at a meeting held by the British Drama League at the British Academy. Richard Southern, who is in charge of the work, which is being done by local craftsmen, described the building and its history at this meeting. The only serious alterations to this unique example of a Georgian playhouse of 1788 took place, he said, in about 1850, when sleeper joists were passed under the auditorium and a floor was placed over the stage, so that the building might be used as a store. The whole superstructure of the theatre, including the pit, was then removed and replaced by wine vaults. The vaults have now been removed, the supporting pit walls have been rebuilt to take the weight of the auditorium again, intrusive sleepers have been withdrawn and the stepped pit floor and pit passages have been restored. It is claimed that this theatre is the most perfect remaining Georgian theatre in the country.



LOCAL GOVERNMENT

Reorganization Needed: Sir Malcolm Trustram Eve

In the opinion of Sir Malcolm Trustram Eve, local government in London and in other highly populated areas should be reorganized. When lecturing at London University last week, he proposed that the main principles underlying the Local Government Act, 1888, in the form in which it was first introduced as a Bill, should be re-applied to modern conditions with the addition of a new principle relating to medium-sized boroughs.

London in 1888, he said, was the only area with a large concentration of population contained in more than one town or community. Now there were at least four other large concentrations—Birmingham and the Black Country, South Lancashire, the West Riding of Yorkshire, and Tyneside. Examples of smaller concentrations were the Potteries and Tees-side. Each required individual treatment, and the pattern of their local government need not, and in some cases should not, be identical. After careful investigation of all of them, Sir Malcolm Trustram Eve said he had come to the conclusion that more than one pattern was required for the various concentrations.

Greater London contained about one-fifth of the total population of England. In deciding on the boundaries of London for local government, Sir Malcolm Trustram Eve said he thought that the Metropolitan Police district boundary filled the bill reasonably well. The population of that district was about 8,500,000. It was very nearly circular, with Whitehall as its centre, and a radius of 15 miles. The boundary, too, coincided roughly with the inner or London side of the Green Belt.

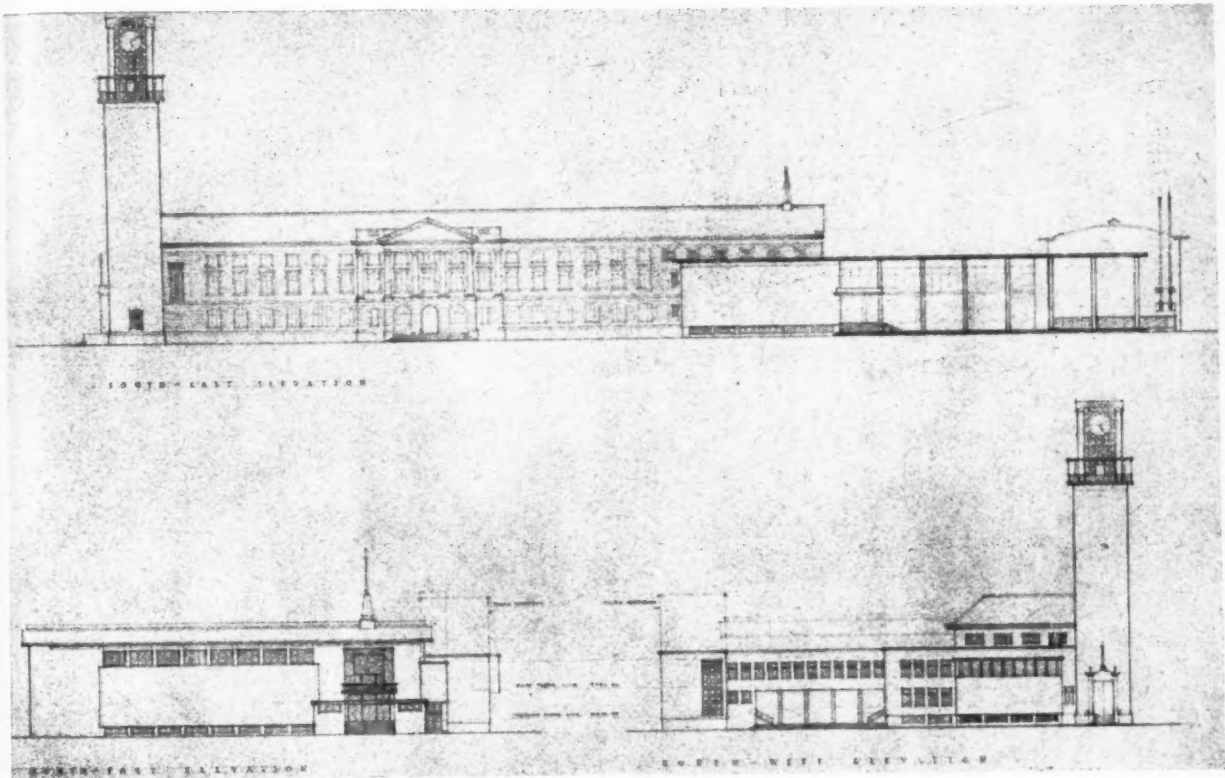
The population served by the London County Council—3,500,000—was, in his view, too great for any one county council to handle conveniently, and in consequence the "human" services rendered by it to its ratepayers, though no doubt efficient, were necessarily too impersonal. The Metropolitan boroughs—16 of which had populations of more than 100,000—had a smaller range of functions than any non-county borough outside London. The Middlesex County Council area, too, was inconvenient and the population (2,250,000) too large to be administered effectively by one council.

Sir Malcolm Trustram Eve suggested six county councils as the best number to govern the Greater London area. He would arrange the areas so that none of them contained a population of more than two millions or less than one million. A possible sub-division would be: a central London council containing boroughs both north and south of the river, and five other councils containing in the main populations now in Surrey, west Middlesex, east Middlesex, Essex, and Kent. The central London area would be based on the core of the present London County Council area but reduced by the loss of some fringe boroughs which would be added to one of the other five counties.

Such a division of Greater London would lead to a great improvement in the education services. Each of the six county councils would be the main education authority, but within each of those areas there should be a large measure of devolution or delegation to the borough councils. To co-ordinate the six county councils, there would be a Greater London Council, to which six representatives would be nominated by each county council and six others by the boroughs and urban districts within each county.

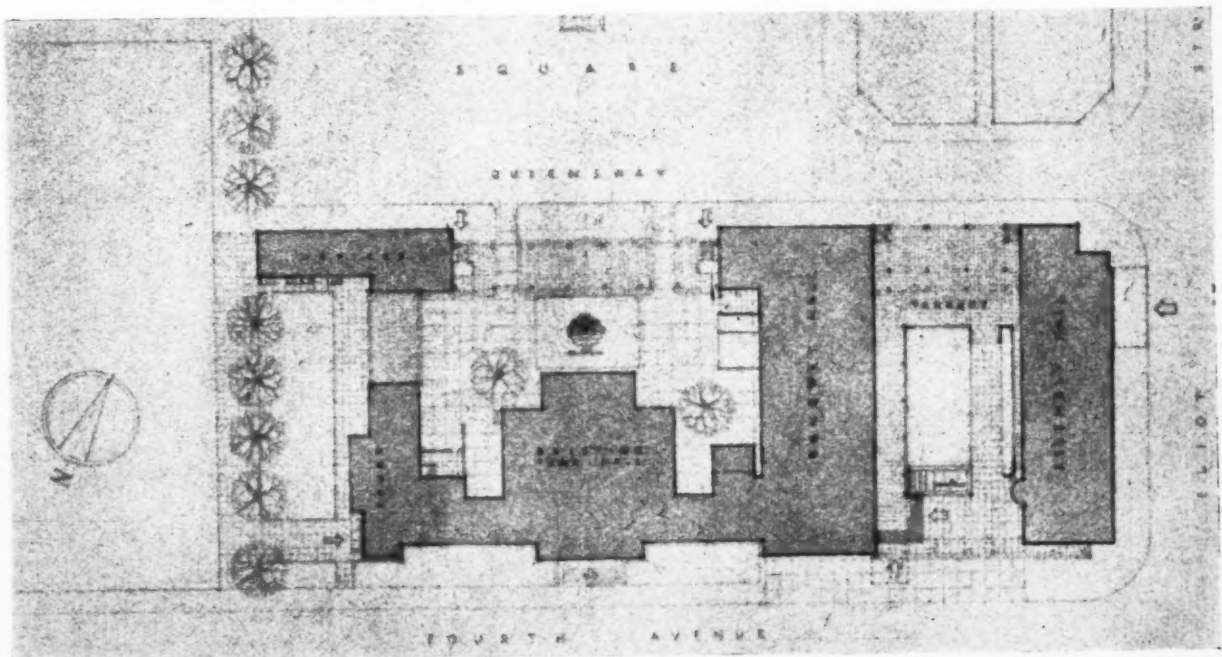
Referring to other large concentrations of population, Sir Malcolm Trustram Eve said he saw no case for the amalgamation of Birmingham and the Black Country into one

WINNING DESIGN IN NAIROBI CITY HALL COMPETITION



This design, by C. A. Levick, P. H. Connell and L. T. Croft, of Durban, South Africa, was awarded the first premium of £550 in the recent competition for city halls and offices for Nairobi. The central classical building shown in the middle of the S.E. elevation, above, is the existing town hall, and the disposition of the proposed extensions is indicated in the site

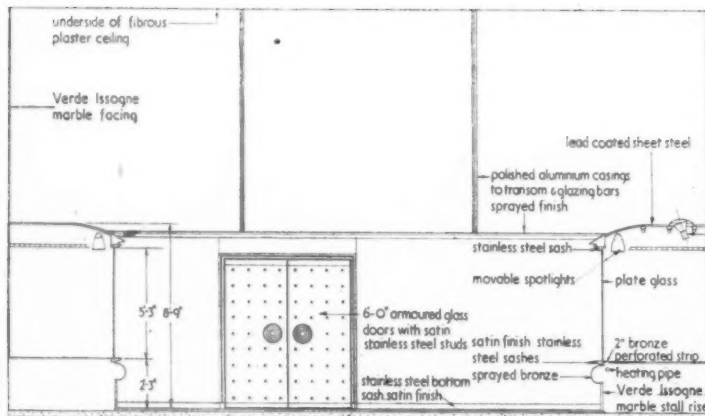
plan below. As reported in the JOURNAL for January 18, fifty-nine designs were submitted. The assessor was L. W. Thornton White. The second premium of £450 was awarded to A. Ball of London. Third premium, £250, to R. S. Cobb, H. D. Archer and H. Q. Scammell, of Nairobi. Further illustrations of the winning designs will be published soon.



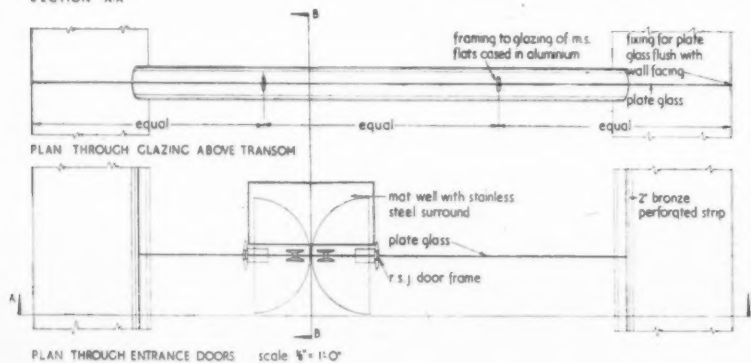
SHOE SHOWROOM IN OXFORD STREET,



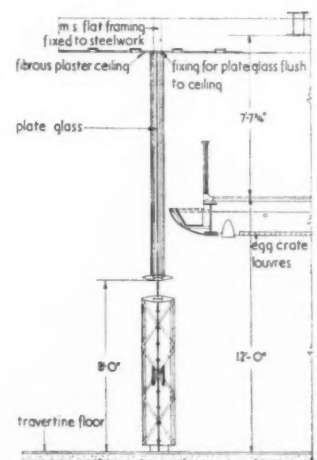
The new showroom for Messrs. Saxone near Oxford Circus now acts as their chief branch. It has been formed on a very deep and narrow site which stretches back into Hanover Square. The Oxford Street frontage, which is only 38 ft. wide, has a lobby about 17 ft. deep containing display cases, seen on the right. Within the limitations of the existing building, the plan has been kept as open as possible with no walls to restrict the view right through the shop from north to south on the ground floor. The main feature of the Oxford Street elevation is a "double decker" effect obtained by cutting back the mezzanine floor and having an independent glazed screen from the entrance hall to the underside of the first floor. There is no frame to the screen as the glass is taken straight into the marble each side and into the fibrous plaster ceiling. The walls are faced with green Issogne marble. The armourplate glass doors have stainless steel studs drilled through the glass as a protection and as a decoration. The outer and inner lobbies of the entrance, which is at a higher level than the main showroom floor, is covered with travertine. The fitted carpet in the ground floor is grey-green and on the mezzanine floor



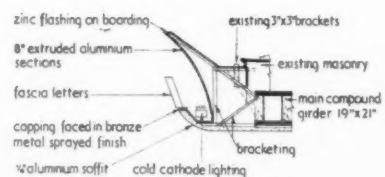
SECTION A-A



PLAN THROUGH ENTRANCE DOORS scale 1/8" = 1'-0"

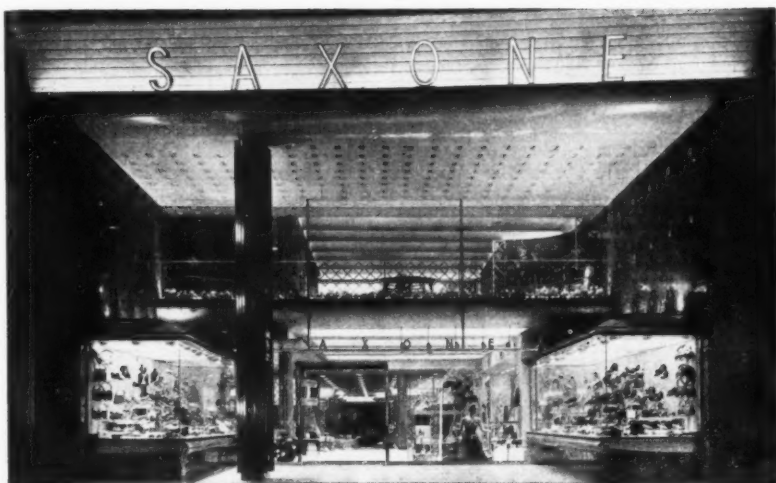


SECTION B-B

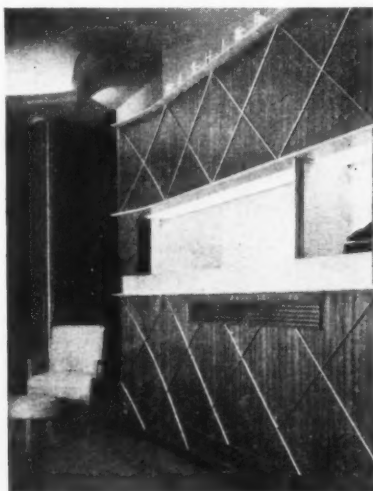
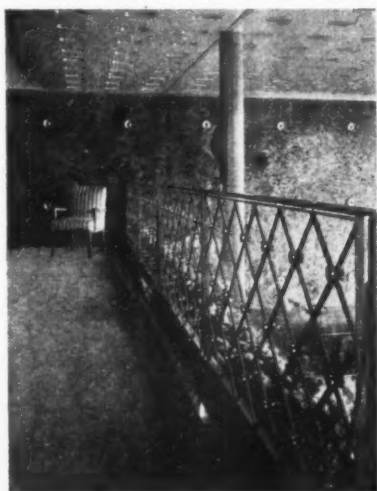


SECTION THROUGH FASCIA

L O N D O N , W . I .



broken white. Stock is entirely concealed behind fixtures faced with Australian walnut as used for the cashier's office seen below right. The mezzanine floor, seen above, below left and on the opposite page, contains special departments. The walls are green and the woodwork painted white or finished with macassar or sycamore. The fibrous plaster ceiling of the front portion contains concealed fluorescent lighting and the rear area has RC roof lights (seen opposite). The furniture is of beechwood and the upholstery is covered with grey tweed or an aubergine and white striped material. The general contractors were Hickman Ltd. For sub-contractors see page 235.



local government unit. The best pattern would be to retain Birmingham as a county and to carve out, as was done in London in 1888, the Black Country from Staffordshire and Worcestershire—creating an urban county.

For south Lancashire his proposal was to carve out of Lancashire and Cheshire not one county but three—one based on Merseyside, the second on Manchester, and a third with its administrative centre at Bolton. In the West Riding, Sheffield, Leeds, Bradford, and Hull would remain large autonomous authorities, but the rest of the northern industrial part of the West Riding would form a county of its own. It would be necessary to re-define the boundaries of the Ridings of Yorkshire and create a fourth.

In the Tyneside, he said, it would be better to leave Newcastle as a separate county, the rest of the towns becoming semi-autonomous boroughs within their own counties of Northumberland and Durham.

LMBA

Building as a Career: Encouragement of Public Schoolboys

In order to help in stimulating interest in the building industry as a career among boys at public schools, the LMBA has become a subscribing member of the Public Schools Appointments Bureau.

The LMBA has promised to help the Bureau in every way possible, and in particular by giving it full details of the opportunities offered by the building industry, of the means of entry into the industry, and of firms who operate suitable training schemes for prospective entrants.

DIARY

Competition for Medical Buildings, Edinburgh University: Exhibition of three winning designs. 66, Portland Place, W.1. (Sponsor, RIBA.) Weekdays, 10 a.m. to 7 p.m. Saturday, 10 a.m. to 5 p.m.

UNTIL FEB. 19

Annual Exhibition of Photographs by Members of the A.A. At 36, Bedford Square, W.C.1. Monday to Friday: 10 a.m. to 6 p.m. Saturdays: 10 a.m. to 1 p.m. UNTIL FEB. 23

Furniture and Allied Trades' Exhibition. At Earls Court, London. (Sponsor, British Furniture Manufacturers' Federated Association.) Open to public: Feb. 17, 10 a.m. to 7 p.m.; Feb. 19-22, 2 p.m. to 7 p.m.; Feb. 23, 10 a.m. to 5 p.m. Open to trade until Feb. 23. UNTIL FEB. 23

Thoughts on Architecture Today. Michael Waterhouse. At the University of London: Senate House. Second of two lectures. 5.30 p.m. FEB. 15

Midlands Building Exhibition. At Bingley Hall, Broad Street, Birmingham. 11 a.m. to 7.30 p.m. (except Sunday).

UNTIL FEB. 24

The Architecture of Transport. Exhibition at the RIBA, 66, Portland Place, W.1, showing projects in this country and a selection of material from abroad. Weekdays 10 a.m. to 7 p.m. Saturdays 10 a.m. to 5 p.m.

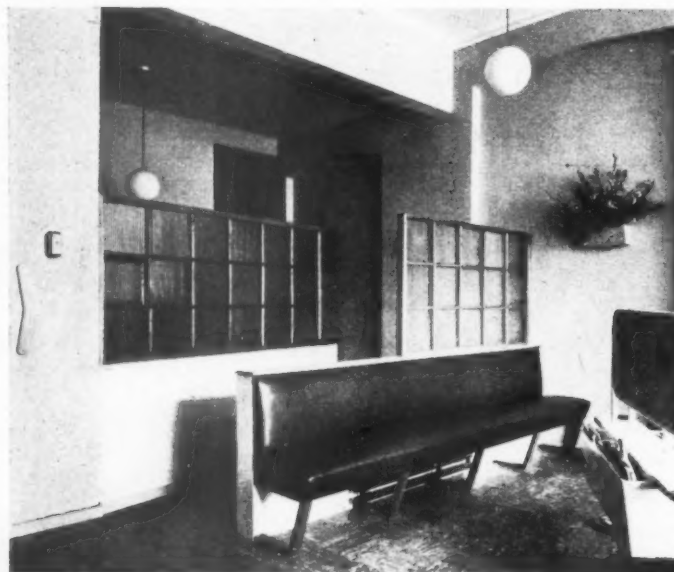
FEB. 22 TO MAR. 22

Floor Finishes. (Architectural Science Board Lecture.) F. C. Harper. At 66, Portland Place, W.1. (Sponsor, RIBA.)

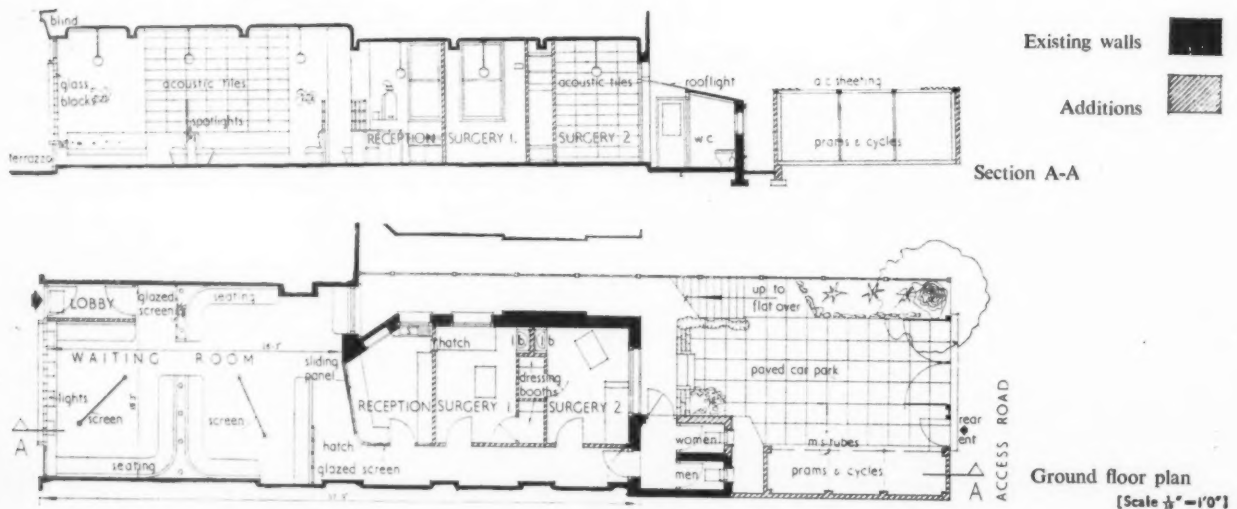
FEB. 27

The Work of the Northern Ireland Trust. Sir Lucius O'Brien. At 13, Suffolk Street, S.W.1. (Sponsor, HC.) 6 p.m. FEB. 27

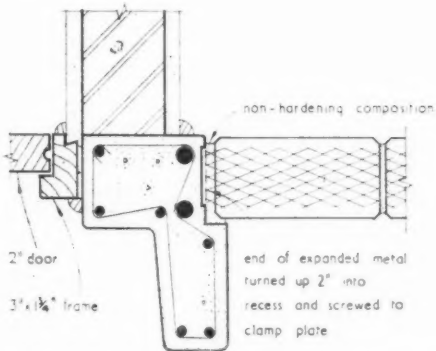
A CONVERTED SURGERY IN THE SOUTH OF



This surgery was converted from a bomb-damaged shop by W. E. Mills. The surgery is used by two doctors, who under the National Health Service have to deal with the 2,500 patients allocated to each practitioner. The waiting room has been fitted with fixed seating for 55 people; chairs are also available. Upon arrival the patient reports to the receptionist, and his card is traced. Both doctors are generally in attendance. A buzzer and a light indicate that a doctor is ready for a patient. It is possible for a patient to be in a dressing booth while another is being examined. The filing cabinets holding patients' record cards are purpose made. Each section is 7½ in. by 5¼ in. and 1 ft. 2 in. deep and holds 200 cards. The window top when lifted is dropped down behind the cabinet. A hatch between reception and the first surgery facilitates the signing of papers. The old fireplace in the reception area houses electric fuses and meters and the flue is used as a fume pipe for a multi-point hot water unit. External finishes are as follows:—Front: precast frame, faced with terrazzo; framework, commercial grade 98.99 per cent. purity aluminium; fanlight angle framework, 1 per cent. silicon alloy aluminium; cross reeded glass. Internal finishes are as follows:—

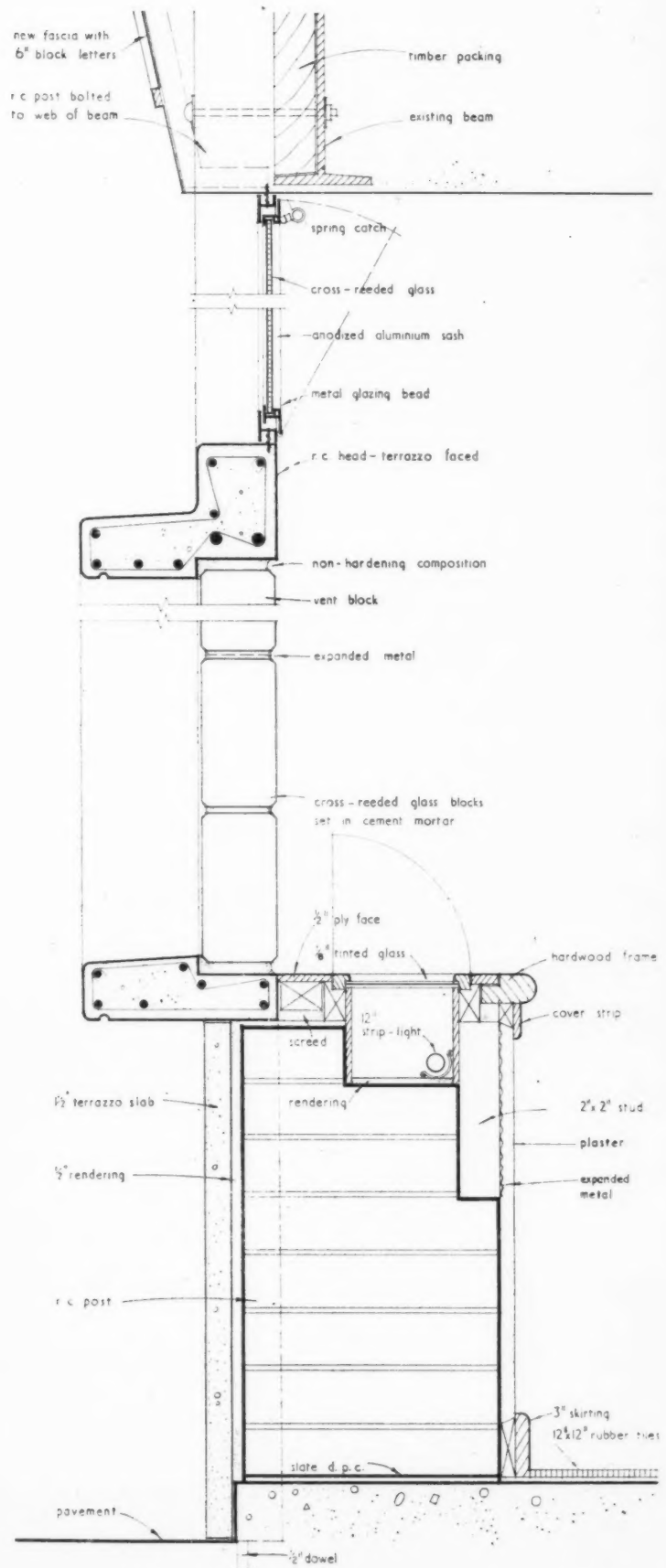
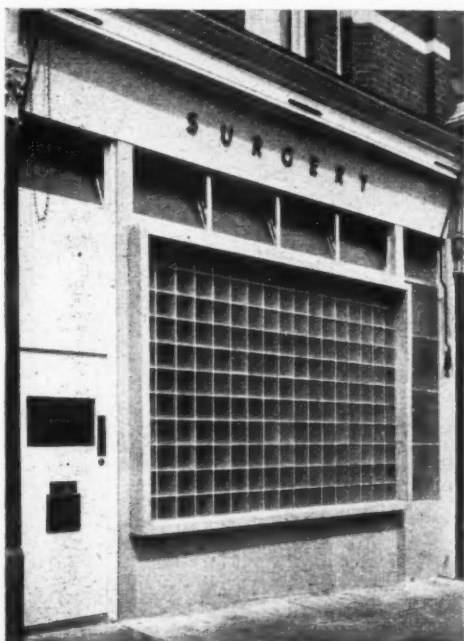


LONDON



Plan, above and vertical section, right, through front wall (Scale: 1 1/2" = 1'0")

Floors, rubber tiles. Walls : waiting room, acoustic tiles and crimson water paint, plaster walls and pearl grey water paint ; consulting rooms, buff and cream water paint. Doors, grey. Seating, screens, filing cabinet ; Chilean beech, clear polished. Upholstery, deep crimson. Magazine and umbrella stand and notice boards ; tubular steel, plywood and building board, painted. Reception direction board ; painted plywood, plastic lettering planted on. On the facing page, two views of the waiting room. Below, the front elevation. The general contractor was H. Hart and Company. For list of sub-contractors see page 230.



SECONDARY SCHOOL

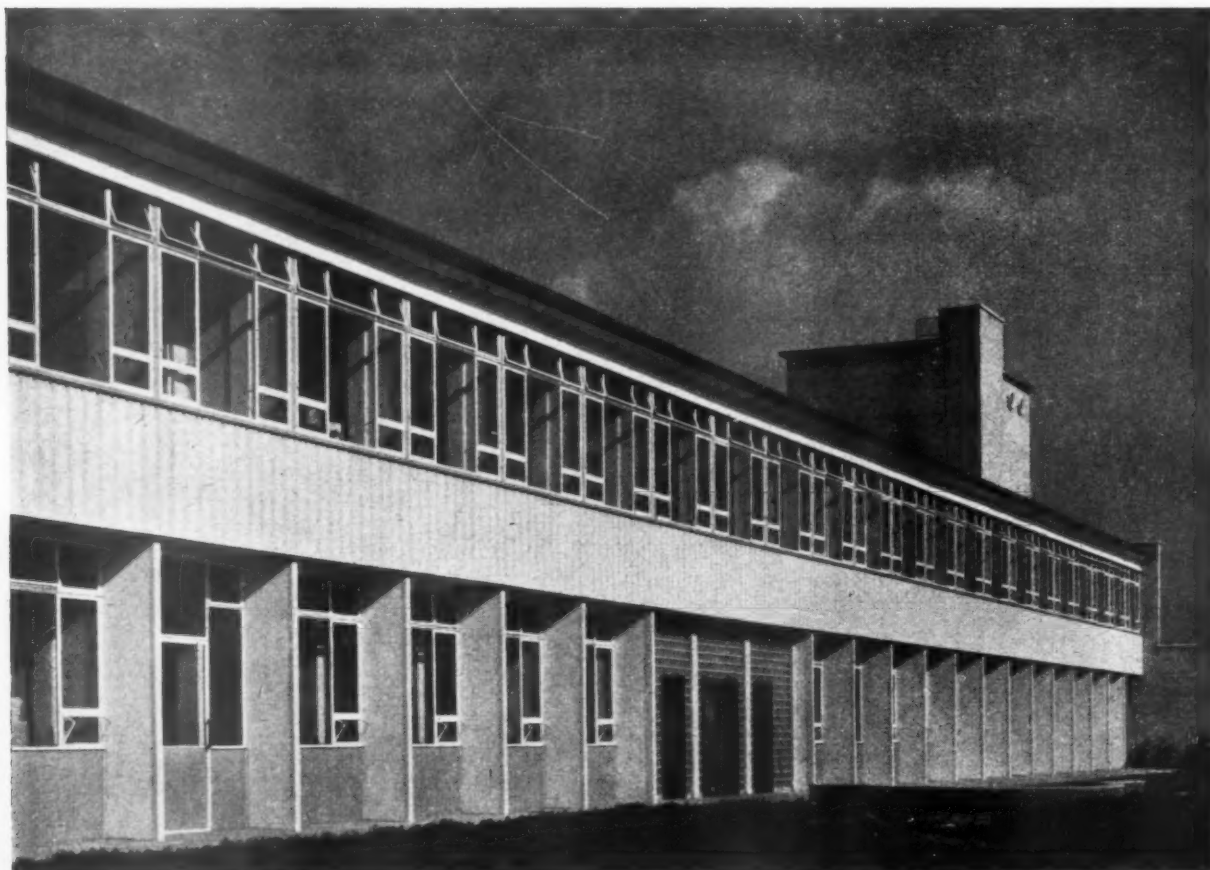
at CHIGWELL, ESSEX

designed by H. CONOLLY, COUNTY ARCHITECT

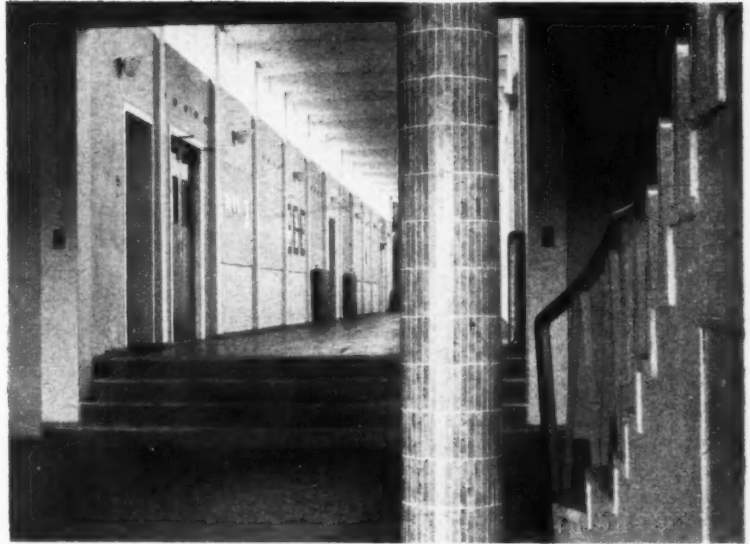
assistant architect G. L. THOMPSON

A two form entry secondary modern school was required for the new LCC Grange Hill housing estate at Chigwell and is now partially completed and occupied. Facilities are also needed within the school for evening adult education. The site, which has an appreciable fall from north to south, is bounded on the east by Manford Way, the new main estate road, and on the west by Central Line underground railway. The shape of the site is approximately triangular, with its apex to the north. Special attention has been given to internal acoustics.

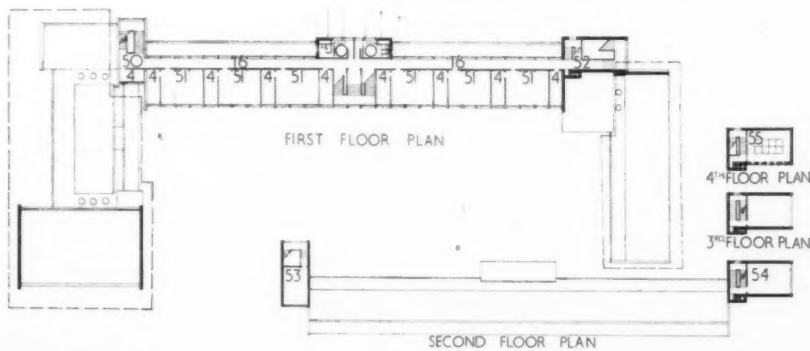
Classroom wing from the south west.



PLAN.—In planning the school the architects were guided by the need to screen the teaching rooms from the noise of the railway and the road; to provide as much space as possible on a restricted site for playing fields and playgrounds; to provide central cloakrooms and lavatories with easy access to playgrounds, classrooms, assembly hall and dining room; to provide a gymnasium, changing rooms and games store near the playing fields; to have a wing for further education suitable for evening use by adults. The buildings are sited on the higher ground to the north with a paved playground in the extreme north corner linked by a footpath to the centrally-placed smaller playground. The area to the south is used for playing fields. The plan is roughly H-shaped with the cloakrooms and lavatories in the horizontal line of the H and the class-



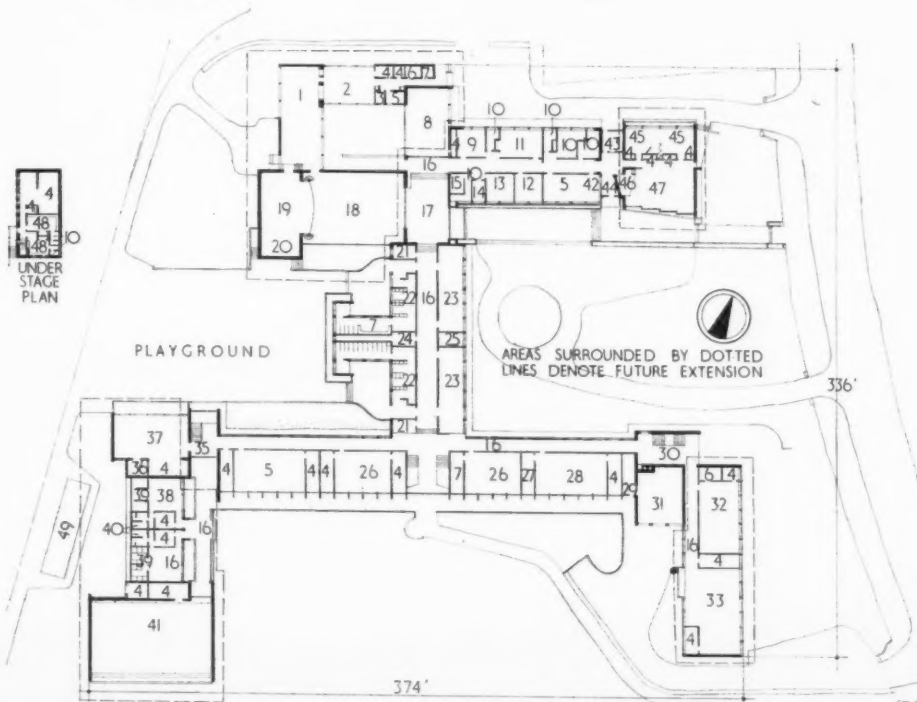
Corridor from classroom block entrance to administrative block entrance.



Upper floor plans

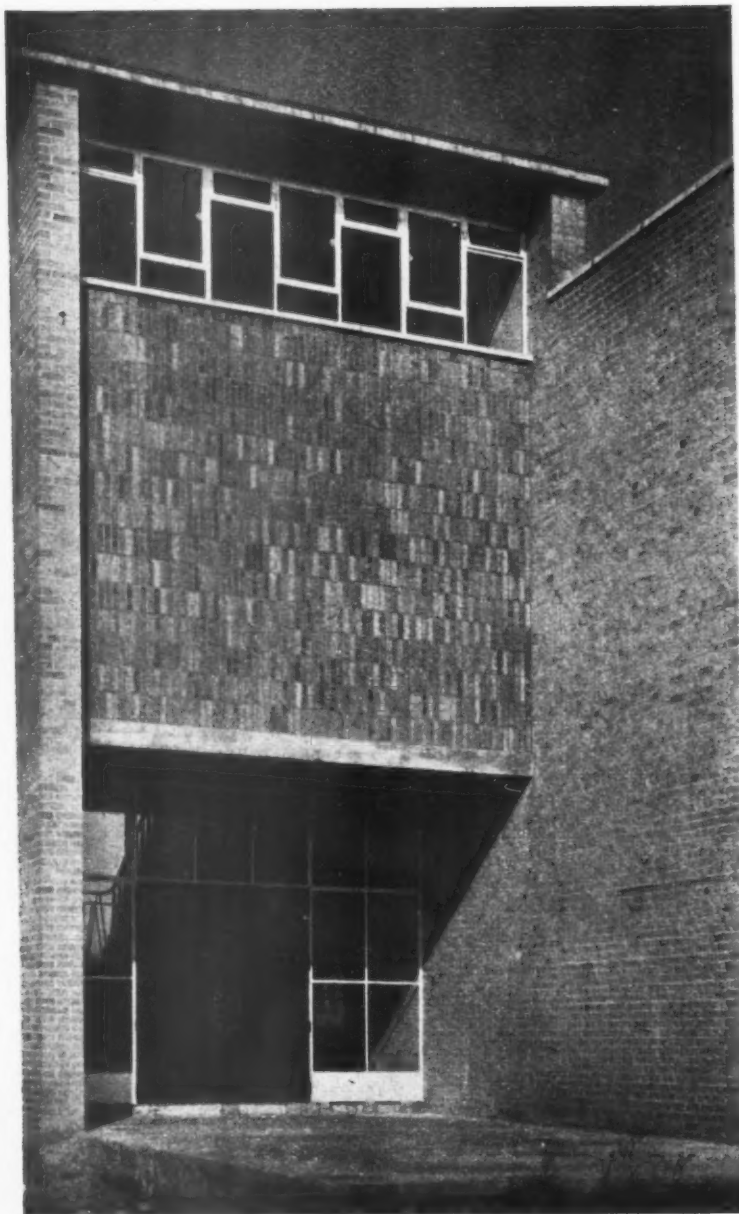
KEY

1. Dining Room
2. Kitchen.
3. Office.
4. Store.
5. Staff room.
6. Larder.
7. W.C.
8. Library.
9. Waiting room.
10. Lavatory.
11. M.I. room.
12. Headmistress.
13. Headmaster.
14. Secretary.
15. Meter room.
16. Corridor.
17. Crush hall.
18. Assembly hall.
19. Stage.
20. Scene deck.
21. Drying room.
22. Ablutions.
23. Cloakroom.
24. Cleaners.
25. Caretaker.
26. G.P. room.
27. Science preparation.
28. Science laboratory.
29. Pump room.
30. E. Tower entrance hall.
31. Boiler house.
32. Housecraft.
33. Handicraft room.
34. Handcraft.
35. W. Staircase hall.
36. Pottery kiln.
37. Art room.
38. Changing room.
39. Showers.
40. Instructor.
41. Gymnasium.
42. Warden.
43. Servery.
44. Further education entrance.
45. Discussion room.
46. Platform.
47. Lecture room.
48. Green room.
49. Cycle shed.
50. W. Tower landing.
51. Classroom.
52. E. Tower landing.
53. Prefects' room.
54. Study group.
55. Tank room.



Site and ground floor plan

[Scale: 1/4" = 1'0"]



rooms at right angles on the south. The classrooms are flanked by staircases, and tank towers and the gymnasium and practical room wings, which provide protection against noise disturbance. Small rooms for prefects and study groups are provided in the east and west towers.

CONSTRUCTION.—Except for the tank towers, which have load bearing brick walls, the construction is steel frame.

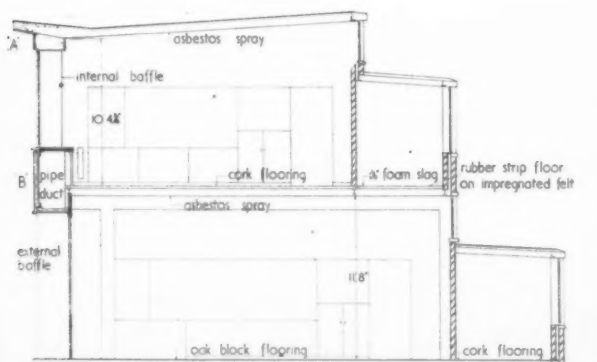
FINISHES.—The external cladding is mostly of hand-made sand-faced primrose facing bricks and concrete slabs. Particular attention has been paid

Entrance to the west staircase hall with prefects room above. The wall on the left will form the east wall of the art room when the school is completed.

SECONDARY SCHOOL

at CHIGWELL, ESSEX

designed by H. CONOLLY, COUNTY ARCHITECT

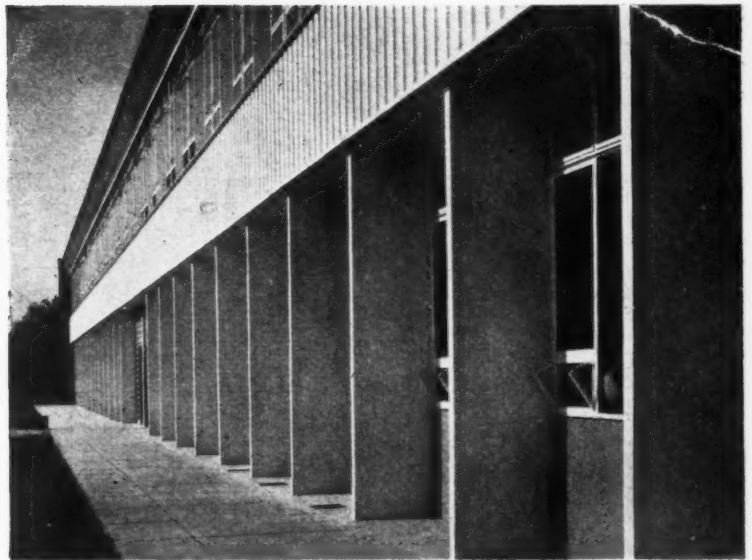


Cross section through classroom block

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

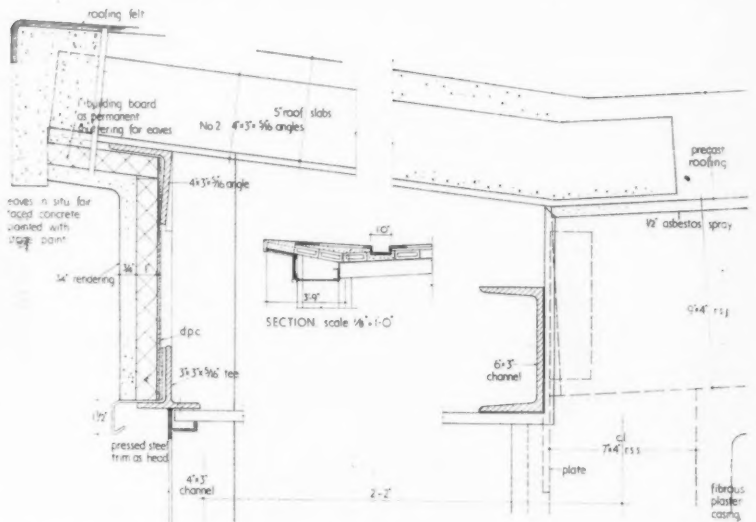
Typical first-floor classroom.



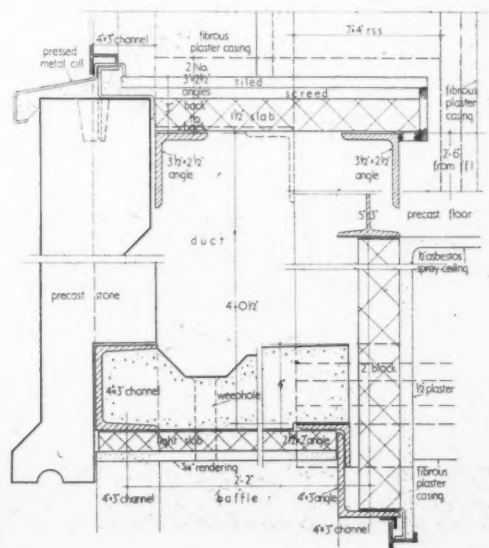
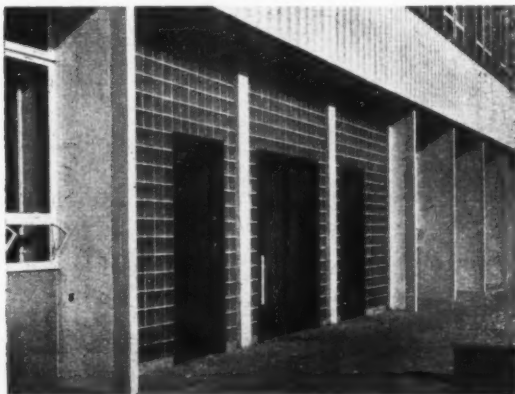


Classroom wing looking west.

to internal acoustics with foamed slag screed on floors and absorbent wall and ceiling finishes wherever possible. The first floor corridor has been finished in strip rubber with an underlay of impregnated felt. The noise deadening has proved so satisfactory that it is possible to stand anywhere in the classroom wing when teaching is in progress in each room, and music being played in a general purpose room, and believe the building is empty. At entrances to rooms and other places where excessive wear will be met the wall panels are finished with hard plaster and rendered with a cement glaze finish. Elsewhere, a lime sand (un-gauged) plaster has been used. Externally the following colours are used: white for metal windows; light grey for metal cills and mullions; fascias, sun baffles, etc., rendered jasmine yellow


Detail at A [on cross section opposite] Scale $\frac{1}{4}'' = 1' 0''$

Main entrance to classroom wing.



Detail at B



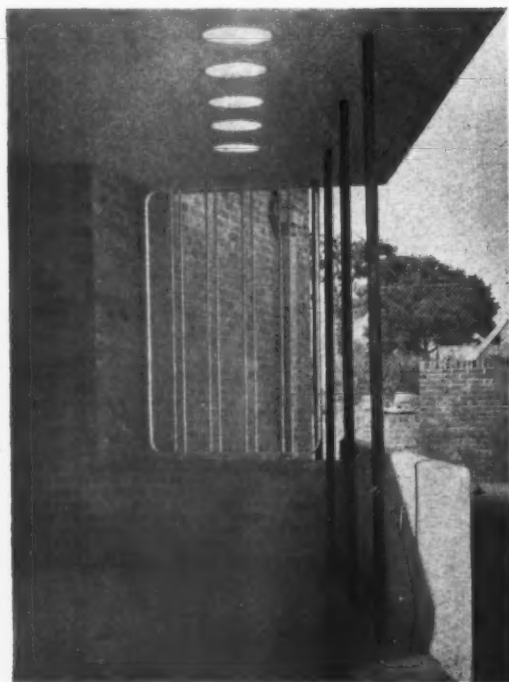
Left, staircase in east tower hall with corridor to ground floor classrooms beyond.

SECONDARY SCHOOL

at CHIGWELL, ESSEX

designed by H. CONOLLY, COUNTY ARCHITECT

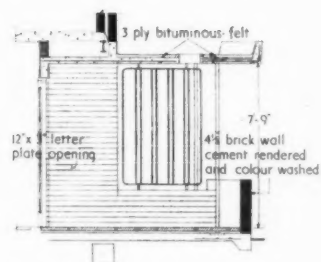
Right, main entrance to administrative wing and assembly hall. Below, staff entrance to administrative wing.



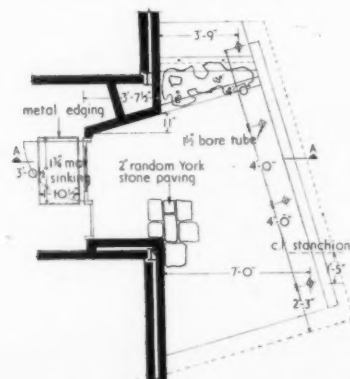
Primary colours are used internally on doors and certain wall panels, and pastel shades in the classrooms. The following British Standard colours have been used: vellum, light grey, jasmine yellow, terracotta (as a cement glaze in lavatories), signal red, lemon yellow, smoke grey and white.

SERVICES.—All heating, hot water and gas services are carried in overhead ducts. The boiler house, for economy of construction and operation, is at ground floor level.

The general contractors are Thomas Bates & Son, Ltd. For list of sub-contractors see page 230.



Section A-A [Scale: $\frac{1}{8}'' = 1'-0''$]



Staff entrance plan

TRAVEL BUREAU

at 70, PICCADILLY, W.1.

designed by JAMES CUBITT and PARTNERS
in association with SERGEI KADLEIGH

The newly converted offices for the South African Tourist Corporation are on the north side of Piccadilly, opposite the Ritz Hotel. The premises originally consisted of a dilapidated shop on the ground floor, an uninhabitable basement and one small room on each of five floors above. The ground floor level was two steps up from the pavement, but the floor level has been lowered and now there is only a slight incline up from the pavement to the entrance door and windows, which are set back from the main building line.

View from Piccadilly.





From the waiting space looking towards the street.

TRAVEL BUREAU
at 70, PICCADILLY, W.1.
designed by JAMES CUBITT
and PARTNERS
in association with
SERGEI KADLEIGH

PLAN.—The clients required maximum use to be made of the ground floor, which is open to the public and visible from the street, except for the assistant manager's office. The basement is used for an auditorium for film display and for stores and cloak-rooms. The manager's office is on the first floor and there are other offices on the two floors above.

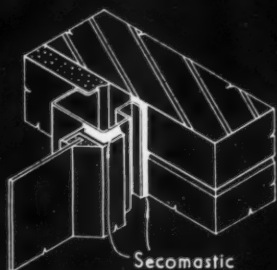
FINISHES.—There is a white terrazzo fascia and surround with an inset lighting trough containing wooden letters, faced with white plastic, behind two sheets of glass. For half the width of the fascia three yellow gelatine filters are sandwiched between the sheets of glass, and for the other half two green filters are used. The wall beside the entrance

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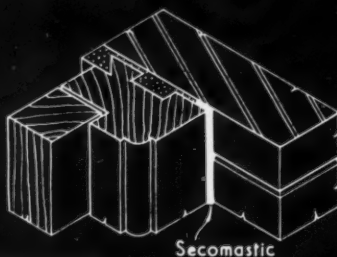
PRODUCTS | MISCELLANEOUS | MASTICS

26.MI

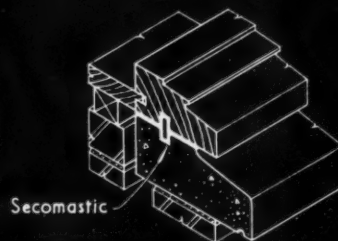
The Architects' Journal Library of Information Sheets 295. Editor: Cotterell Butler, A.R.I.B.A.



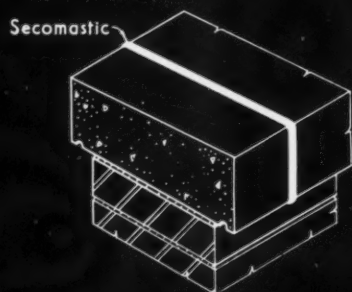
WINDOW FRAME.



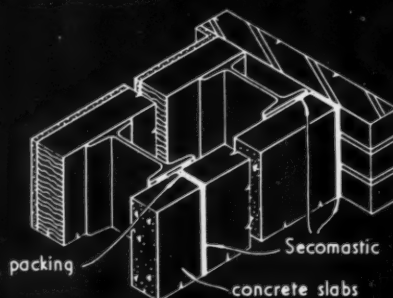
DOOR FRAME.



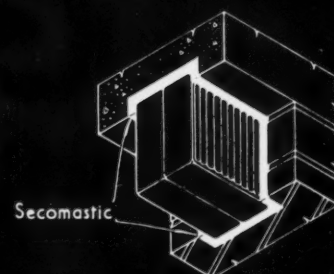
WINDOW SILL.



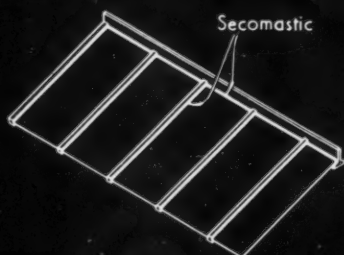
COPING.



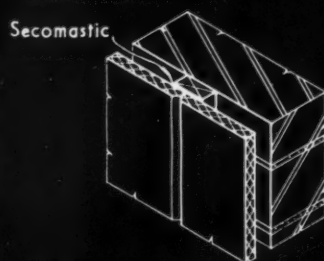
EXPANSION JOINT.



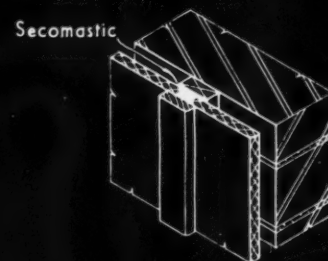
GLASS BLOCK PANEL.



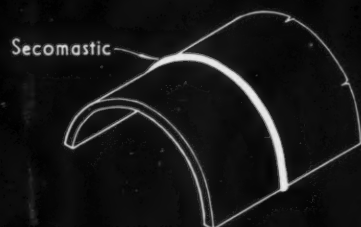
ROOFLIGHT.



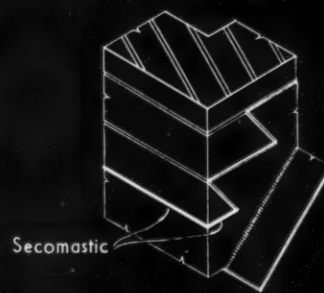
WALL LININGS.



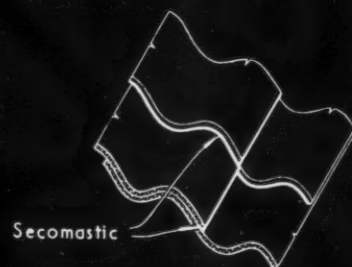
SINKS, BATHS AND LAVATORY BASINS.



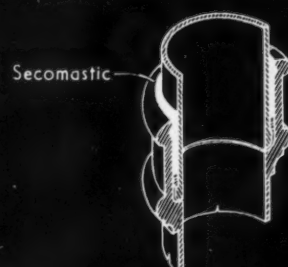
RIDGE CAPPING.



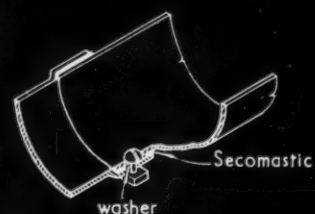
DEFECTIVE CHIMNEY FLASHING.



CORRUGATED ROOFING SHEETS.



RAINWATER PIPE.



GUTTER.

26.M1 'SECOMASTIC' JOINT SEALING COMPOUND

This Sheet describes Secomastic joint sealing compound and illustrates a number of typical applications. The compound is used as an economical and convenient means of weatherproofing joints and being non-hardening is particularly effective for joints that are subject to thermal or structural movement.

Composition

Secomastic is composed of natural and processed oils, graded inorganic fibres and diatomaceous fillers.

Properties

Adhesion: The compound adheres tenaciously to all building materials; brick, stone, concrete, mortar, wood, glass, metal (steel and light alloys), asbestos-cement, etc. It will not slump in a vertical joint even after long exposure to tropical temperatures. It is not affected by frost.

Elasticity: It remains sufficiently plastic to accommodate any normal expansion or contraction of joints and is durable, does not harden, crack, craze or fail through shrinkage.

Water resistance: The compound remains a resilient watertight seal and will not seep or stain adjacent surfaces.

Insect resistance: Secomastic is resistant to attack by household pests and insects including termites.

Stability: It is stable and uniform in storage, retains its viscosity through a wide range of temperatures and is easily handled both in summer and winter.

Preparation of Work

All surfaces of the work should be reasonably clean, dry and free from dust.

Method of Application

The compound is normally applied by means of a Seco hand- or air-operated gun—with the appropriate nozzle affixed—in which case Secomastic K (gun grade) compound is used. The K compound is packed in kegs

or in cardboard cartridges to fit the gun. A bead not less than $\frac{1}{4}$ in. in depth is recommended for all exposed applications.

For trowel application Secomastic N (knife grade) compound is available.

Finishes

The compound forms a smooth, tack-free skin, stone in colour, within 24 hours of exposure. Normally no further finish is required, but Secomastic can be painted with any non-bituminous paint.

General Applications

Sealing window and external door frames; bedding wood and metal sub-frames and windows; pointing building blocks, slabs and cladding; bedding sills, flashings, water bars and glass bricks; sealing gutter and down pipe joints; sealing structural expansion joints; glazing and top-sealing rooflights and glasshouses.

Further Information

The manufacturers maintain a Technical Department which is available to answer questions and advise on technical problems dealing with this subject generally.

Compiled from information supplied by:

Secomastic Ltd.

Address: 11, Upper Brook Street, Park Lane,
London, W.1.

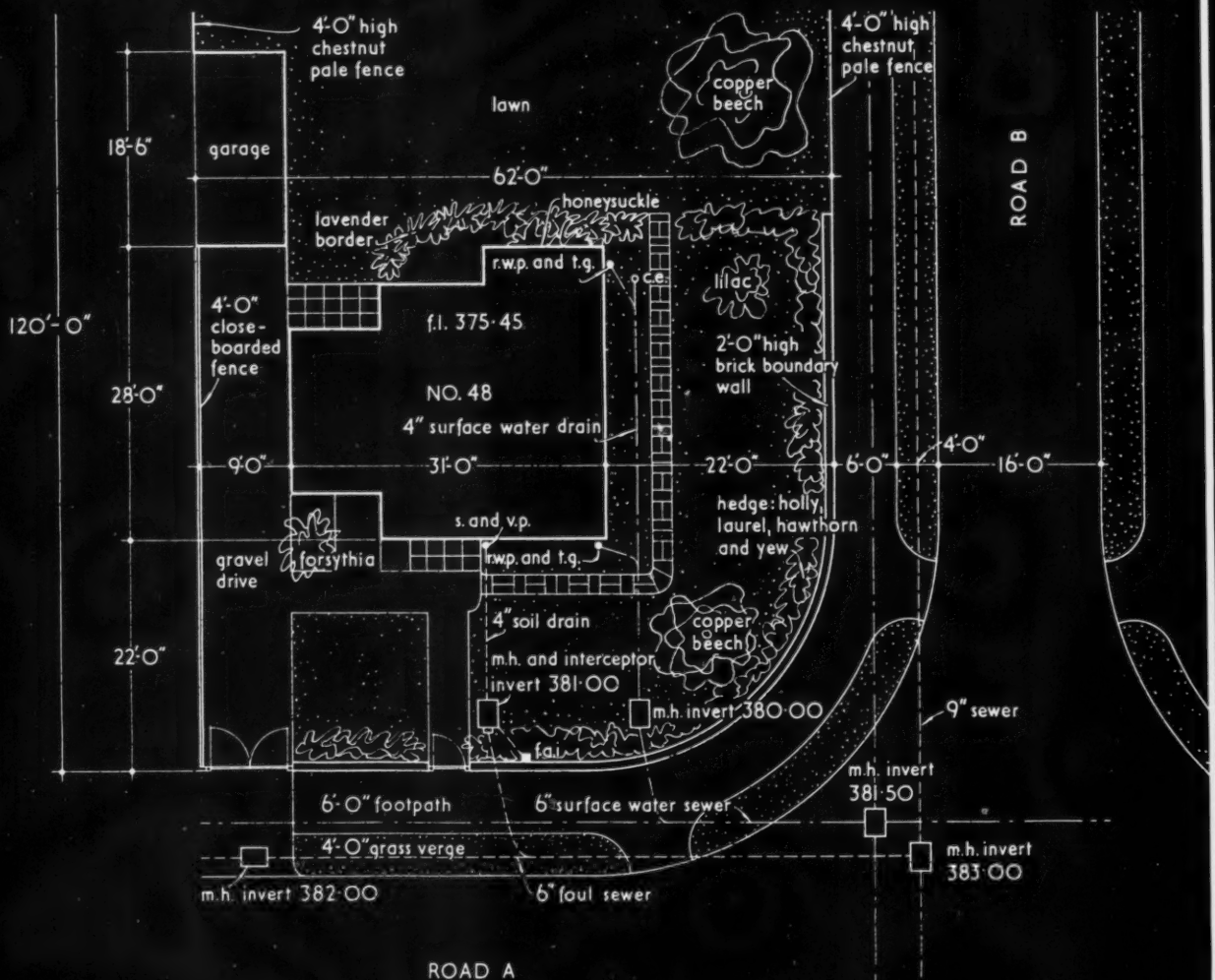
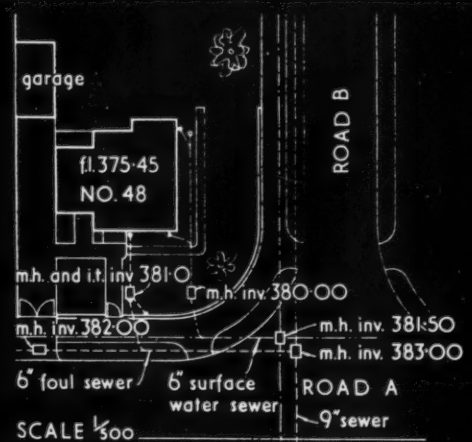
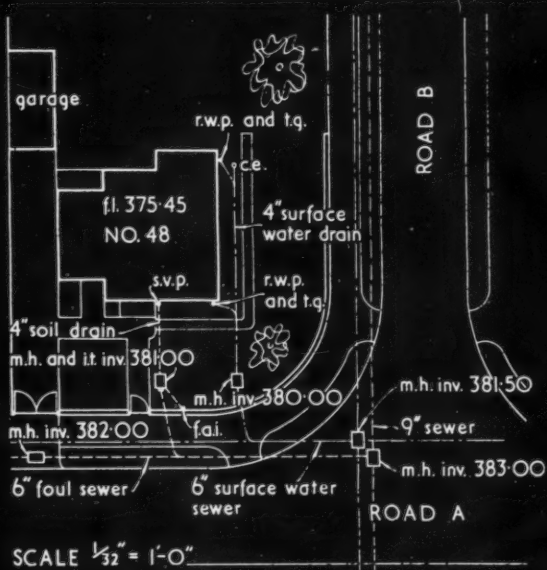
Telephone: Mayfair 9080.

DRAUGHTSMANSHIP | ORTHOGRAPHIC PROJECTION

I.B18

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I.B18



SCALE $\frac{1}{16}'' = 1'-0''$

$\frac{1}{500}$, $\frac{1}{32}$ AND $\frac{1}{16}$ SITE AND LAYOUT DRAWINGS.

1.B18 1/500, 1/32 in. and 1/16 in. SITE AND LAYOUT DRAWINGS

This Sheet is one of a group recommending suitable standards for office working drawings to various scales and deals with 1/500, $\frac{1}{32}$ in. and $\frac{1}{16}$ in. Other Sheets deal with $\frac{1}{8}$ in. scale, $\frac{1}{4}$ in., $\frac{1}{2}$ in., etc. One purpose of this group of Sheets is to assist the practising architect in standardizing work in his drawing office; another is to suggest to the student a reasonable standard of presentation for practical working drawings. The range of scales described on this Sheet represents the transition between architectural and cartographic practice. $\frac{1}{32}$ in. and $\frac{1}{16}$ in. are extensions of full size $1\frac{1}{2}$ in., $\frac{1}{2}$ in. and $\frac{1}{4}$ in. whereas 1/500 is derived from the cartographic scale of 1/2500 as used by the Ordnance Survey.

$\frac{1}{32}$ in. Scale

This is a scale which is normally used for general design drawings of buildings too large to be shown at a greater scale on a convenient sized sheet of paper. The presentation is similar to that for $\frac{1}{8}$ in. scale. Another use for this scale (as shown on the face of this Sheet) is for plans of a building in relation to the detailed layout of gardens etc.

$\frac{1}{16}$ in. Scale

This is a scale which is primarily suitable for block plans of buildings, although it can be used in a similar way to $\frac{1}{32}$ in. scale. It is widely used for plans which have to be submitted to local authorities.

1/500 Scale

The use of this scale is normal for general layout plans for any new residential or industrial estate development. The advantage of this scale as opposed to the scale of 1/528 or 1 inch to 44 feet is that it is a multiple of the 1/2500 scale used for the current

series of published Ordnance Survey plans. In the early days of the Ordnance Survey some towns were surveyed at scales of 1/500 (about 10 feet to 1 mile), 1/528 (precisely 10 feet to 1 mile) or 1/1,056 (5 feet to 1 mile) and as in some cases these surveys have been kept up-to-date by the local authorities concerned there are occasions when it is convenient to use, for instance, the 1/528 in preference to the 1/500 scale. The 1/500 scale is a convenient one for showing outlines of buildings, paths and roads, routes of services and a full set of levels.

B.S. Drawing Office Practice

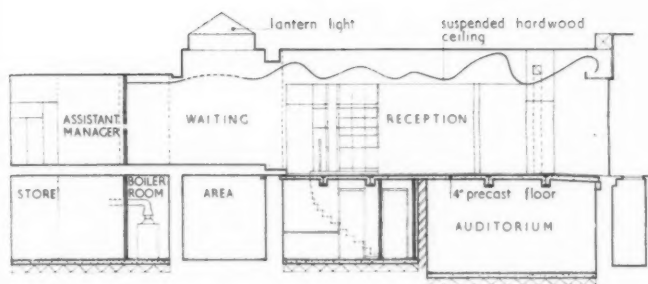
These drawings have been prepared bearing in mind the recommendations of B.S. 1192: 1944, *Architectural and Building Drawing Office Practice*. Their recommendations have not, however, been accepted without reserve; in particular the method of dimensioning with the numbers outside the dimension line has not been adopted.

This Series of Sheets, covers geometrical drawing, orthographic, isometric and axonometric projections, perspective, rendering, lettering and draughtsmanship generally.

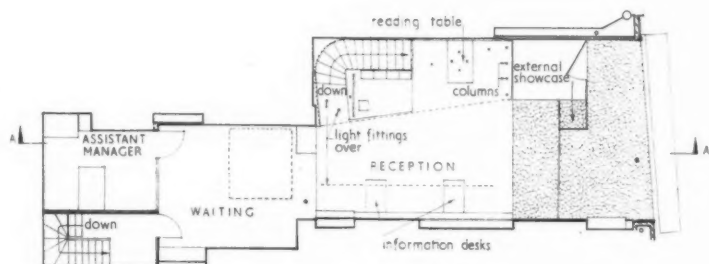
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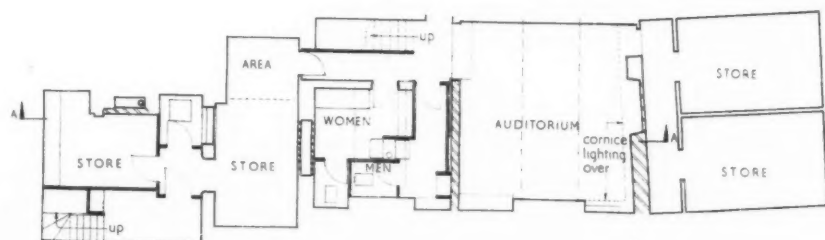
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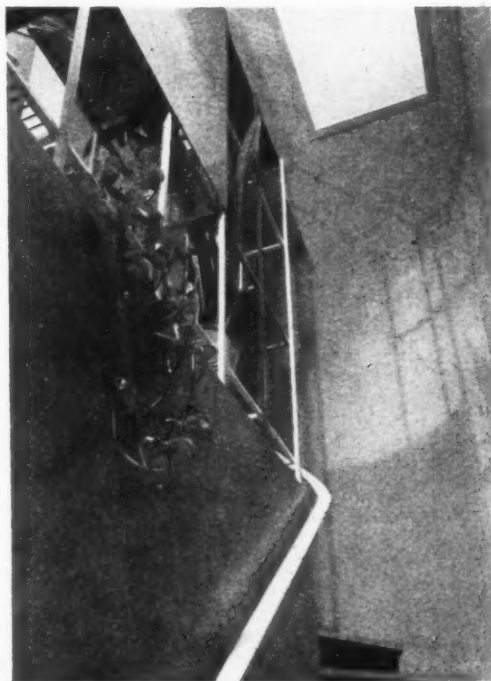


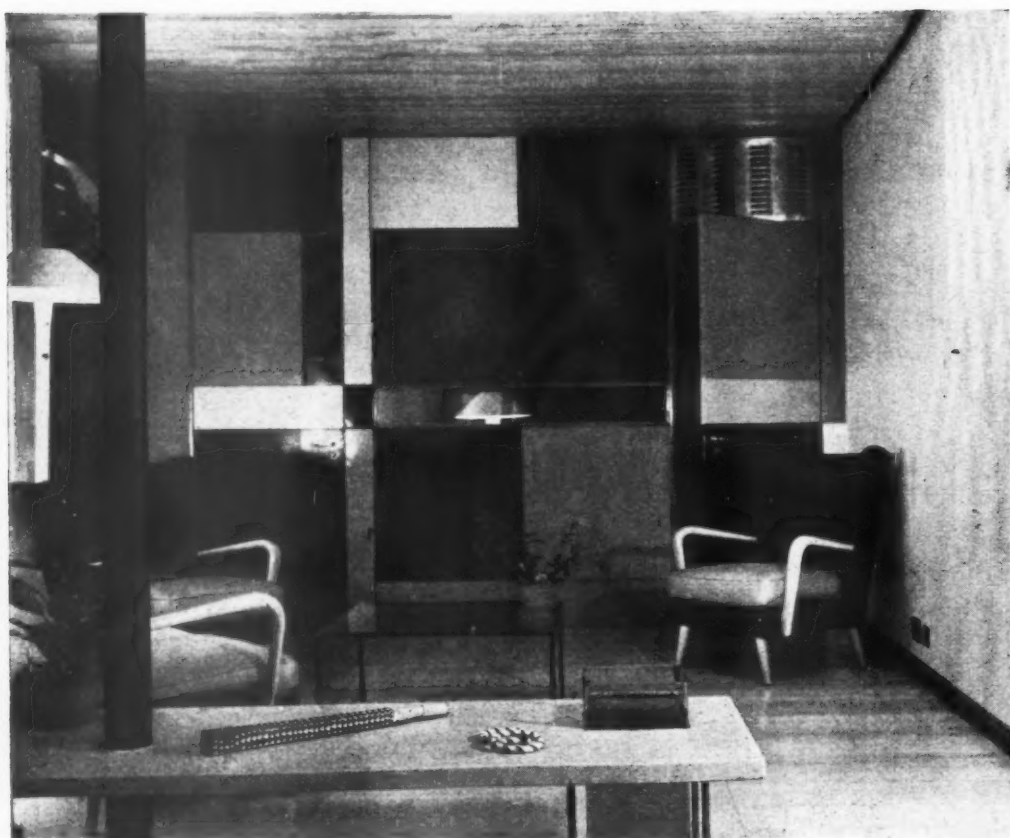
Ground floor plan


Basement plan [Scale: $\frac{1}{8}" = 1'0"$]

door is covered with glazed plastic sheeting, impregnated with a map of South Africa. The opposite wall is finished with slabs of Tinos marble beside the window and for the remainder of its length with acoustic tiles and panels of impregnated plastic. The floor of the main display area is of white rubber tiles, 18 in. by 9 in., with red, blue and yellow insets 18 in. by 4½ in. On the east side the dwarf walls to the staircase are faced with black marble and the end wall is plastered with panels of brown, olive green, yellow and pale blue. The main feature of the ground floor is the undulating suspended ceiling constructed of 1½-in. by 1-in. sycamore slats on a wood frame which conceals the original plaster ceiling. The auditorium walls are plastered, and the end wall entirely covered by a curtain of native export cloth.

Below left, looking up the main staircase from the basement to the ground floor. Below, an information desk in the reception area.





Above, the waiting space on the ground floor. The door on the right leads into the assistant manager's office. Below, the front of the reception area looking into Piccadilly.

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FURNITURE AND FITTINGS.—All the furniture was selected by the architects and specially covered, and the desk in the manager's office is to their own design. Adjustable shelves are lacquered red and the bookcase by the staircase is enamelled white with red, yellow and black members. In the reception area the main lighting is by two cold cathode strips, joined at the ends and without frame or shade. Spotlights are used along the west wall and behind the fascia there are fluorescent tubes. The auditorium has a 16-mm. film projector.

The general contractors were Holland and Hannen & Cubitts, Ltd. For list of sub-contractors, see page 230.



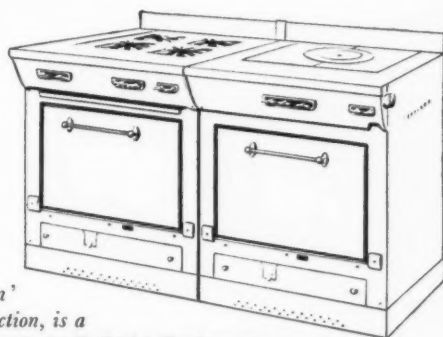
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prepared by independent specialists;
printed so that readers may cut
out items for filing and paste
them up in classified order.
Headings below.*

INFORMATION CENTRE

3.25 planning: regional and national PLANNING IN ISRAEL

The Planning of Israel. Areih Sharon.
(Israel and Middle East [Israel] March-
April, 1950, pp. 45-56.)

An account, by the Director, Planning Division, in the Government of Israel, of the development of a national and a series of regional and local plans to exploit fully the country's natural assets.

Israel, at the time of its establishment, had 675,000 inhabitants. Within a year and a half its population had grown by over 50 per cent, and in the next stage of development the figure is expected to rise to 2½ million. A corner stone of the plan is a countrywide irrigation scheme which will enable local agriculture to produce up to 80 per cent, of this predominantly urban community's requirements. The population is mainly concentrated in a narrow strip extending from Haifa to Tel Aviv. A more even distribution of population is to be attempted; fortunately problems of overspill do not arise as the balance is to be maintained by directing the continuous stream of new immigrants to new, and hitherto under-populated, agricultural and urban areas. As a means towards improving the distribution of population, a plan has been prepared to divide the country into 24 regions—each to have, ultimately, a population of about 75,000-100,000 and to contain enough social and economic resources to meet normal requirements.

It is intended that there should be three large cities with over 200,000 inhabitants (Tel-

Aviv with its satellite towns, including Ramat Gan; Jerusalem; and Haifa, with its suburbs); 12 medium-sized cities with about 50,000 inhabitants and over 12 small towns with a population between 20,000 and 30,000. Most of these cities will form the centres of their respective planning regions. The small cities are, in most cases, to be developed out of the existing rural centres. But in several instances, new cities are to be established in localities which are uninhabited today but where, in ancient times, thriving cities existed, e.g., Kurnub, in the heart of the Negev (at present still a desert); Ascalon, on the coast; S'dom, on the Dead Sea; and Elath, (the ancient Etzion Geber) on the Gulf of Akaba.



- PRINCIPAL CITIES WITH POPULATION OF OVER 200,000
- MEDIUM SIZED CITIES WITH POPULATION OF ABOUT 50,000
- SMALL TOWNS WITH POPULATION OF ABOUT 20-30,000

Proposed location of cities in Israel. See 3.25.

Of the cities, Jerusalem will remain the capital and focus of cultural life; Tel Aviv will be the centre for industry and commerce; Haifa will remain the principal port and the site of the country's heavy industry and oil-pipe terminus.

The author relates how there is to be set up a chain of national parks, forests and protected areas, which will radiate throughout the country and which will provide a distinguished and beautiful setting for sites of archaeological or historic interest. The beautiful hills of Galilee, the fertile valleys of Jezreel, the subtropical Jordan valley, the fruitful coastal plain with its groves and orchards, and the re-afforested and carefully terraced Judean Hills will combine under the national plan to produce a rich pattern of reclaimed hillsides and valleys, revived forests and fields, and reconstructed villages and towns.

16.68 materials: miscellaneous CLAY BRICKS

The Selection of Clay Building Bricks. BRS Digest No. 25, Dec., 1950. (HMSO, 2d).

Degree of exposure affects requirements. Colour, texture and strength, unreliable guide to durability. Soluble salts and efflorescence. Frost resistance. Bricks used below ground. Common bricks for internal use.

Considering the widespread and traditional use of bricks in most parts of the country, it is surprising how ignorant many users are of fundamental characteristics. How often are old specification clauses still repeated in which the quality of bricks is hopefully described in terms of "having a good ring" or, even more hopefully, related to some, usually indefinitely specified, quality of low absorption as discovered by soaking a sample brick in a bucket of water. This present Digest does not suggest either of these criteria.

Except for engineering bricks, which are covered by B.S. 1301: 1946, the Digest makes it perfectly clear that precise standardisation of quality is very difficult. Nevertheless, it sets down enough information to be helpful and, in doing so, explodes a number of popu-

INFORMATION CENTRE INDEX, 1950

An alphabetical index covering items published during the twelve months ended December 31, 1950, is being prepared. Readers who wish to have a copy—it is free of charge—should complete the form below and post it to the Technical Editor, THE ARCHITECTS' JOURNAL, not later than March 9, 1951.

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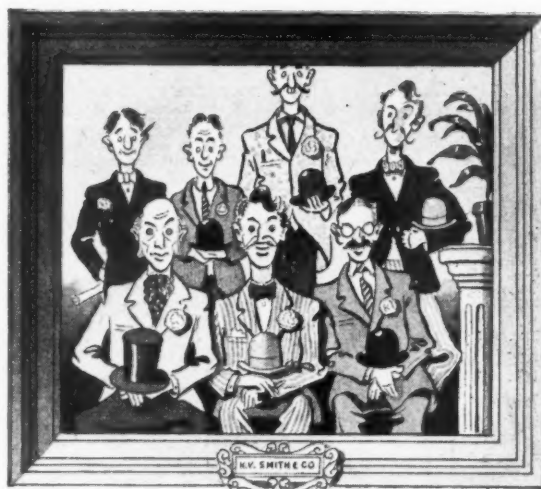
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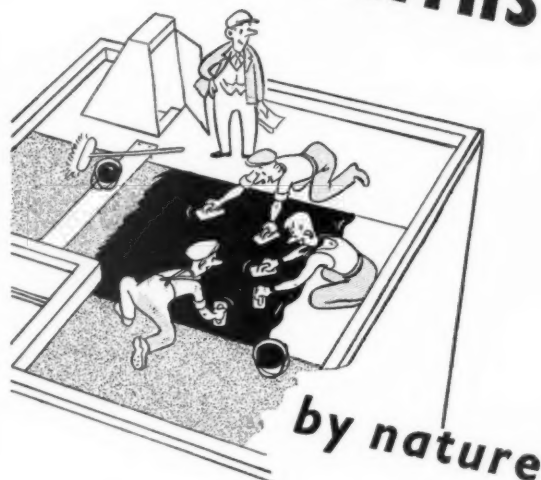
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lar fallacies. It commences by emphasizing the need to select according to the degree of exposure and lists six classes of exposure descending from the worst cases (retaining walls) to the least (exposure of inner walling).

On colour, all that can be said is that, for any particular type, the paler the colour the more likely are the bricks to be underburnt. Texture is an unreliable guide to quality. Neither is strength a satisfactory guide to durability for, although most strong bricks are durable, there are many weak bricks which last equally well.

The Digest is helpful on the subject of salts, discussing efflorescence at some length, explaining the different kinds of salts which may be present in bricks, and putting the subject into a very clear perspective. On the whole there is a tendency to overestimate the dangers of efflorescence in brickwork for, although it can be annoying, it is seldom very harmful. Incidentally, bad cases are often the result of bad construction, especially faulty dampcourse treatment of parapets. The dangers of sulphate attack are described and some useful indications given for the limits of calcium sulphate content in bricks.

At present, there is no standard test for frost resistance and the old idea that bricks should not absorb more than one-sixth their weight of water is said to be quite unreliable. A better guide is the relationship between absorption and saturation by boiling, but even this is not wholly satisfactory. Actually, damage from frost is much less prevalent than generally believed. It is also interesting to have an authoritative statement that there is no evidence that bricks containing up to 3 per cent. calcium sulphate are dangerous when used below ground on normal sites.

Where commons are used for internal work, there are certain risks if water penetration can occur and the Digest gives some useful hints about the plastering of brickwork.

Altogether a useful and well balanced summary of present information.

18.70 construction: theory PRODUCTIVITY

Test Walls for Assessing Construction Times with New Building Blocks. National Building Studies Technical Paper, No. 9. (HMSO, 1950. 9d.)

Research on methods of assessing relative speeds of walling with different bricks and blocks. Small sample walls give accurate comparison data.

An earlier publication, National Building Studies Technical Paper, No. 1, gave detailed results of the comparison of man-hours required to build walls in various types of bricks and blocks. These results were based on large-scale trials on full-size houses. Further research, based on this data, has shown that it is now possible to obtain good comparative figures from trials made with comparatively small sample walls. The sample walls are about one-eleventh of the size of walling in a typical small house, but include all the usual features.

There are no results in this paper of immediate use, as it does not set out to compare types of walls. Its value is in establishing a relatively simple method of testing the speed of laying any type of walling unit which is normally handled by one man.

19.108 construction: details PILING

Manufacture and Driving of Reinforced Concrete Piles. H. B. Duff. (The Surveyor. Nov. 10, 1950.)

Short article with practical notes on what to watch for in site supervision of piling.

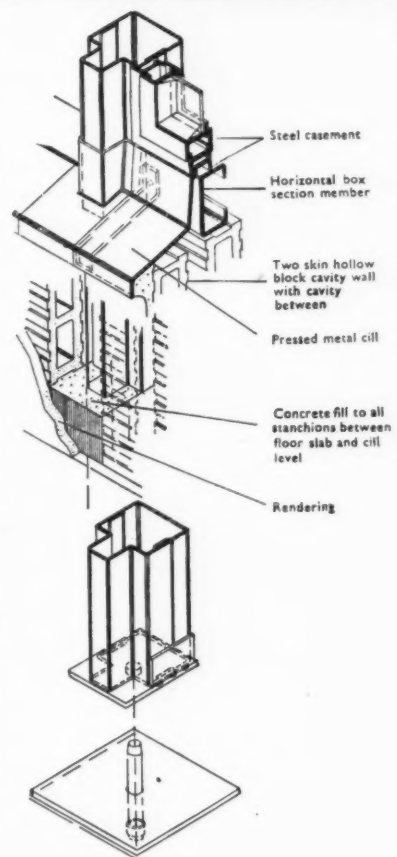


19.109 construction: details LIGHT GAUGE STEELWORK

Junior, Infants' & Nursery School at Canley, Coventry. Henry Parkes (Architectural Design, Oct. 1950.)

Well illustrated report on the first post-war school completed in Coventry. Novel features, particularly in using light-gauge pressed steelwork for roof trusses and stanchions. Steel tonnage reduced to minimum. Of interest for future construction. 6 pp., detailed drawings and photographs.

Light-gauge steel pressed into special sections provides the designer with members of high rigidity against bending and buckling. Roof trusses built from such sections have been used in this country before, and in the United States special types of sheet steel trusses are mass produced in standard sizes. This example from Coventry should interest the architect as a novel type of light-gauge steel framework which he may be able to adapt to other purposes, particularly where large numbers of similar units are required. 10-gauge steel strip (about $\frac{1}{8}$ in. thick) was mostly used. Box sections, closed or open, were obtained by folding. Hot dip galvanising is used against corrosion. The stanchions are 3 in. by 4 in. overall, a closed box section being formed by arc-welding two folded sections together. A welded-on bottom plate has a centre hole which engages a vertical pin protruding from the steel base plate let into the concrete raft. Accurate location of the stanchions is thus secured. The longer span assembly halls have stanchions of greater height, with their cross section fabricated from four light pressings welded into a box unit of 9 in. by 7 in. overall. The lattice



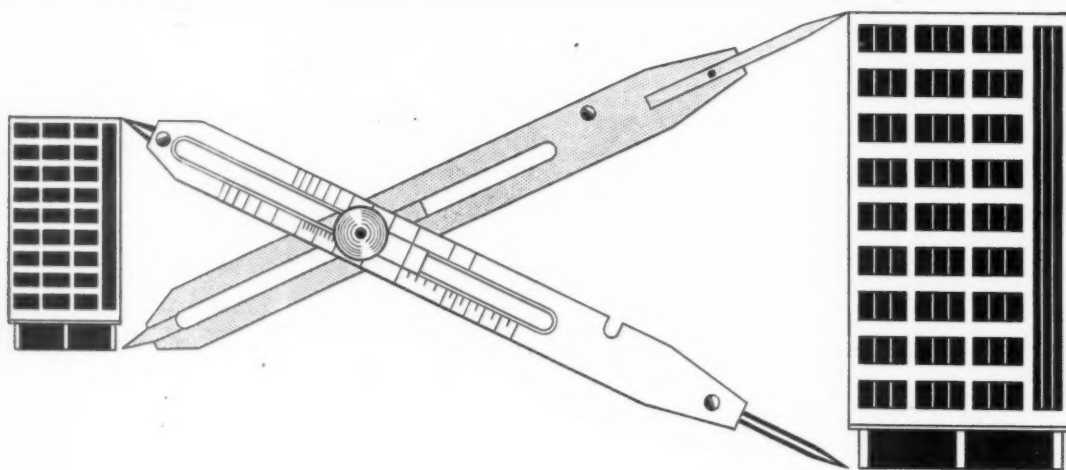
School at Canley, Coventry. Top, one of the classroom wings; above right, stanchion detail; right, a classroom frame unit being erected by three men. See 19.109.



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type roof trusses again consist of light-gauge steel sheet. The top chord is formed by two channel pressings back to back, the 2-in. square box section diagonals sandwiched between. Each truss with its two stanchions forms a "goal-post" frame which is assembled at the site by bolts. Three men erect it in position on the base plate dowels. Pressed channel section purlins and bracings bolted to the main frames complete the steel skeleton. Hollow clay blocks form the walls, mostly up to eill height only, with steel frame windows above. Corrugated reinforced asbestos is used as roof sheeting. With this type of design the saving in weight of steel must be considerable, but does it result in a reduction of total cost? It would be interesting to have figures.

19.110 construction: details METAL WINDOW FIXING, ETC.

Metal Windows: Fixing, Pointing, Glazing. Ministry of Works Advisory Leaflet No. 12. (HMSO, 1950. 2d.)

Rather elementary facts about fixing of metal windows but includes a few useful reminders on points obvious but often overlooked.

19.111 construction: details PARTITION CONSTRUCTION

Timber Coverings (Internal), Cork Slab Coverings (Internal) and Rigid Infillings for Framed Partitions. Draft BS Sub Codes 124.301, 124.309 and 124.401. (British Standards Institution, 1950. 5s.)

General information on good practice for the construction of partitions. To be read in conjunction with C of P 124, "Walls and Partitions of Framed Construction."

This document consists of the three sub-codes named above, each of which should be read in conjunction with Code 124, "Walls and Partitions of Framed Construction (external and internal)."

The first sub-code contains a list of various suitable types of timber, with notes on quality, moisture content, fire retardants and materials for joint treatment, and gives information on sizes and weights, together with recommendations on fixing accessories.

The design section refers to the main Code 124 for details of the characteristics of timber-coverings as regards sound insulation and absorption, fire resistance and combustibility, and thermal properties, but includes information on strength, stability and resistance to impact of boards of various thicknesses. Recommendations are made regarding the avoidance of crack formation, dimensional standards, efficiency and economy, provision of services and fittings, and method of fixing and joint treatment.

Information on preparation off site and packing, and full details (stage by stage) of the various methods employed in the actual fixing of the coverings are given.

The second sub-code deals similarly with the requirements for, properties of, and methods of using, baked cork slab coverings, and also gives sound insulation values, sound absorption coefficients and thermal transmittance values of cork slab covered partitions.

Sub-code 124.101, "Rigid Infillings," the third code in this document, deals with rigid infillings to partition frames of timber, metal or reinforced concrete—brickwork, clay and concrete blocks, hollow glass blocks, wood-wool building slabs, baked cork slabs and dense concrete cast-in-situ. The main advantages of using a framed partition with a rigid infilling are set out, and information is given

on the avoidance of crack formation, strength, stability and resistance to impact, coverings, and methods of fixing the infillings.

REFERENCE BACK

Items 23.138 : 25.1.51, and 23.139 : 8.2.51 should have read 23.140 and 23.141 respectively.

23.142 heating and ventilation DOMESTIC HOT WATER

Domestic Water Heating. Ronald Grieves. (Pub. for "Electrical Review" by Iliffe & Sons Ltd., 1950. 25s.)

Although having an electrical slant, whole subject dealt with in detail—including basic principles; 263 pp. tables and illustrations.

This is a very detailed study of the subject, which includes large sections on general principles. While it concentrates chiefly upon systems using an electric immersion heater and thermostat, combined with a storage tank and a coal- or coke-fired appliance, most other types of water heating systems are also examined. The author attempts to explain a number of popular fallacies, especially relating to efficiencies.

The book is excellently written and much of the data is interesting, but it is questionable whether it was a good thing to lengthen the volume by including so much general information on soft and hard water, on types of fuel and their characteristics, and on hydrodynamics.

Possibly a better study than any other on its subject, but too detailed and lengthy to be popular amongst architects. Valuable to those more directly concerned with hot water installations.

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Already the effects of the re-armament programme are beginning to make themselves felt on the building industry and, as a result of the increased tempo of the re-armament drive, debated in Parliament this week, short-lived hopes of increased efficiency and productivity in the industry may soon be destroyed completely.

RE-ARMAMENT AND THE BUILDING INDUSTRY

By Ian Bowen

Substantial re-armament will, undoubtedly, affect the entire building industry, as indeed it must affect all the major industries in this country. How soon, how seriously, and in what form, is the impact going to be felt, and what will be the consequences for architects and everybody else connected with the industry?

MATERIALS SHORTAGES

"How soon?" is a question that can be answered easily, for the first effects of western re-armament have already been felt, in that imported raw materials are scarcer and dearer. In fact, the most urgent problem is to keep the one million men employed in the industry working during the second quarter of this year. Part-time working, and a fall in productivity, due to delays in the delivery of materials are very probable, and likely to be particularly acute in April and May.

Moreover, the difficulties arising with imported materials are equalled, and may soon be overshadowed, by the severity of the shortages of home-produced materials, especially those in the production of which a large amount of coal is required.

ALLOCATION AND CONTROLS

The increasing cost and decreasing supply of raw materials will get worse and worse if no steps are taken to deal with these problems. Eventually, some form of control will have to be re-introduced, and the national economy will, once again, be based on the principles of "war economics."

This term does not, in itself, have any political significance; it is not impossible to continue to negotiate for peace, sincerely and (we hope) successfully, even while re-armament is taking place. But war economics will, inevitably, prevail when the total demand for goods and services reaches a point above that at which they are available at ruling prices. The purpose of planning will be to ensure that certain programmes of specialized output are fulfilled by certain "strategic" dates.

The main problem will be to allocate an adequate supply of materials and men to the appropriate uses. Other considerations—the availability of business enterprise and professional skill—tend to be taken for granted, whilst neither of these factors is in "short supply" in relation to the programmes and the availability of men and materials.

INCREASING GOVERNMENT WORK

The re-armament programme may eventually raise the value of work approved and authorized by Government departments from its present level of £45 millions per month to double that figure or more; but such an increase is not likely to occur until the plans of the Government get into top gear, and have been running for some time. The position is very different from that which existed in 1937 and 1938. Huge Royal Ordnance Factories (and other works) had then to be built from the ground up. Now, existing premises can first be manned or re-occupied, as the case may be. Similarly the six hundred or so air fields built during the war, with their accompanying buildings and services, will not have to be re-built. This does not mean that re-armament will not require new factory space, and civil engineering work for the three armed services; the rehabilitation of aerodromes and camps may well impose a much heavier load on building resources than has yet been calculated, and factory "bottlenecks," due to shortages of vital items, may lead to sudden demands for new factory space, or for specialized lay-outs. But these demands will not be overwhelming in number during the initial stages of re-armament.

LICENSING OF CIVILIAN WORK

Another way in which re-armament will affect the building industry is through the control of civilian demand. Again, history is not likely to be repeated exactly. In the autumn of 1939 all new housebuilding was suddenly stopped, and it was not until two years later that licensing was introduced to control work on repairs and alterations. Now, however, there is a licensing system already in being, and a sudden and catastrophic stop to new housing is, for political as well as economic reasons, unlikely. Nevertheless, the control of civil building is certain to become stricter and more unpleasant.

What will the targets be? It is hardly likely that the total man-power employed in the industry will be allowed to stay as high as one million. It would seem reasonable to expect the first cut to be of ten per cent., so that 100,000 men could be available for the Services or for other industries, within a year. If the situation has not improved by then, a further 100,000-150,000 will probably go. These are mere guesses, but precedent suggests that larger cuts would be impracticable, while smaller cuts would hardly be consistent with the man-power statistics.

MAN-POWER TARGETS

Although the greatest danger to the industry is that the reduction of its man-power might be too great, even 900,000 men may be difficult to employ fully if raw materials are in very short supply; the industry has a period in the doldrums to anticipate. Work will be slowed down by the shortage of materials and general prohibitions against large-scale civilian expenditure of any kind will tend to prevent labour resources being used up on maintenance and repairs. During this period, there is likely to be unemployment, and this, in time, may lead to a demand that labour is released from the industry.

It will be remembered that a similar tragedy befell the coal-mining industry during World War II: labour was encouraged to leave the industry the year after our export markets were closed by the war and the resulting decline in the industry's man-power has never since been remedied. If we shall need eventually, say, 700,000 or 750,000 men, it would be rash, at any stage, to let the total man-power in the building industry

fall below this figure. Taking the plug out is sometimes easier than turning on the tap. On the other hand, it will be hard to retain men in the industry if there is insufficient material to keep them occupied.

Unfortunately, at present no one (in the Government or outside it) is in a position to estimate the ultimate degree of re-armament (including civil defence).

Nobody can foresee to what figure the labour in the industry will ultimately fall. During the last war the minimum proved to be just under 500,000, but if a third war came about the figure might well be much higher than this. In the event of war there would be an overwhelming demand for shelters and temporary accommodation for millions of evacuees. Defence works, of all kinds, including underground factories, would be needed, and if air raids were to take place there would be widespread devastation and, doubtless, very heavy casualties. All these horrible eventualities make it necessary to proceed cautiously in the preliminary stages of re-armament when some building labour may seem to be redundant. Possibly there should be some official encouragement of repair and maintenance, to help keep labour fully occupied and to anticipate the needs of the years ahead during which all "non-essential" works may have to be stopped.

CUTS IN THE HOUSING PROGRAMME

To meet the requirements of factory and Services' building, and to save the country from a brick famine, the housing programme will almost certainly be cut in the near future. Houses are now being commenced at a rate of just over 50,000 a quarter, and this will probably come down to 40,000 or less in the first instance.

Shops and commercial premises were going up in 1950 to the value of £8½ millions a quarter. This was less than in 1949, but even so, further reductions will be necessary. Schools, universities, hospitals and even public utilities may be asked to look at their programmes again.

All this makes a gloomy enough picture, which is hardly surprising in view of the background of international discord which gives building policy its tone. Nothing could be more inefficient than a scramble for materials, and a further reversal of building programmes.

There is, indeed, only one compensation. Economy of materials and of man-power will become of paramount importance, instead of being, as in peace-time, a secondary consideration. This may re-open the case for prefabrication, and for the swifter application to building practice of a whole decade of active building research and development.

The building industry has not yet freed itself from inflationary pressure, despite the considerable increase in its output over the last three years. It is now about to enter a phase of even greater unsatisfied monetary demand. There is little doubt, therefore, that controls will soon have to become more severe than ever. But the first impact of re-armament is likely to result in some decline in activity, not only on account of the shortages of materials, but also because of general business uncertainty. Firms are not so willing to invest in new buildings as they might have been twelve months ago. Until the plans for re-armament have been very clearly revealed—and this seems unlikely to occur for some months yet—this uncertainty may be the ruling factor. During that period of vacillation (especially during the six months from March to September this year) a wise plan would be to keep all resources fully occupied without cavilling too much at the details of the jobs done; the time for a tighter rein will come when conflicting claims on man-power become more acute.

Buildings Illustrated

Shoe Showroom at 297, Oxford Street, W.1. (Pages 212-213.) Architect: M. N. Egan, A.R.I.B.A., A.A.D.I.P.L. General Contractor: Hickman Ltd. Sub-contractors: Demolition (building department), Hickman Ltd.; structural steel, T. C. Jones Ltd.; central heating, heating and ventilation, H. W. Dutton & Co. Ltd.; boilers, Potterton Gas Division (De La Rue & Co. Ltd.); sanitary fittings, John Bolding and Sons Ltd.; fireproof doors, Dreadnought Fireproof Doors (1930) Ltd.; plaster, Messrs. H. Butcher; decorative plaster, David Esdaile & Co. Ltd.; stonework and marble, Anselm, Odling & Sons Ltd.; textiles, furniture, Peter Jones Ltd.; shrubs and trees, West End Flower Co.; lifts, Hammond and Champness Ltd.

Surgery in South London. (Pages 214-215.) Architect: W. E. Mills, A.R.I.B.A. Surveyor: G. Childs, F.V.I. General Contractor: H. Hart & Co. Sub-contractors: Fittings, Hooks Joinery Works; front, Fuller Hills Ltd.; flooring, Haskel, Robertson & Co.; glass, Clark & Eaton Ltd.; glass blocks, Pilkingtons; acoustic tiles, H. W. Cullum & Co. Ltd.; water paint, Duresco; enamel, Carsons.

The Grange Secondary School, Chigwell, Essex. (Pages 216-220.) Architects: H. Conolly, F.R.I.B.A., County Architect; D. Senior, F.R.I.B.A., Deputy County Architect; E. T. Ashley Smith, A.R.I.B.A., Assistant County Architect (Education); G. L. Thompson, A.R.I.B.A., Assistant Architect. General Contractor: Thomas Bates & Son Ltd. Sub-contractors: Dampcourses, Astos; asphalt (playgrounds), Constable Hart & Co. Ltd.; bricks, Messrs. Colliers; artificial stone, The Empire Stone Co. Ltd.; structural

steel, Dorman Long & Co. Ltd.; tiles, Summers & Co.; suspended ceiling, Anderson Construction Co. Ltd.; precast concrete "Bison" roofings, Concrete Ltd.; roofing felt, William Briggs & Sons Ltd.; W.C. partitions, Standard Pavements Co. Ltd.; dome lights, T. & W. Ide Ltd.; woodblock flooring, S. Bennett & Son Ltd.; patent flooring, Koroid Decorative Floors, and North British Rubber Co. Ltd.; central heating, J. E. Heath & Son; electrical work, Edgar C. Porter Ltd.; boilers, Ideal Boilers & Radiators Ltd.; sanitary fittings, Adamsez Ltd.; stair-treads, Stuarts Granolithic Co. Ltd.; door furniture, Nettlefold & Son Ltd.; casements, Crittall Manufacturing Co. Ltd.; rolling shutters, Shutter Contractors Ltd.; sunblinds, J. Avery & Co.; fibrous plaster, G. Jackson & Sons Ltd.; metalwork (entrance gates and staircase balustrading), Light Steelworks Ltd., and H. & C. Davis & Co. Ltd.; stonework, Harris Wood & Co. Ltd.; cement glaze, Modern Surfaces Ltd.; asbestos spray ceiling finish, Turners Asbestos Cement Co. Ltd.; staircase handrail, F. J. Lewis Ltd.; shrubs and trees, R. C. Notcutt & Co. Ltd.; craft and science room fittings, Charles Hearson & Co. Ltd.; cloakroom fittings, Clark Hunt & Co. Ltd.; clocks, Gent & Co. Ltd.; signs, The Lettering Centre, and "J. & L. Signs."

Travel Bureau at 70, Piccadilly, W.1. (Pages 221-224.) Architect: James Cubitt & Partners in association with Sergei Kadleigh, A.R.I.B.A. General Contractors: Holland and Hannen & Cubitts Ltd. Sub-contractors: Glazed shop front, external showcase, bookcase, entrance screen, adjustable shelves, film filing cupboard, wall to Assistant Manager's office, table in main showroom, information officers' desks and wall fitting, low glass tables and Saffour sign framing and support, Holland and Hannen & Cubitts Ltd.; paving, marble wall, terrazzo surround and fascia, terrazzo shelf between front and rear portion of showroom, terrazzo platform

and staircase wall to basement, marble slabs in platform forming surround to stair wall, Jaconello Ltd.; linoleum and rubber flooring, Cellulin Flooring Co. Ltd.; ladder and rails in typists' office, Porter (London) Ltd.; handrailing and ironmongery, Knight & Co.; door mat, General Welfare of the Blind; metal window (Manager's Office), W. James & Co.; Venetian blind, J. Avery & Co.; fascia lettering, notice panel and signwriting, The Lettering Centre; mirrors and sanitary fittings, John Bolding & Sons Ltd.; electrical installation, house telephones, E.S.I.; light fittings, Merchant Adventurers of London Ltd. and Troughton & Young Ltd.; light fitting over Manager's desk, J. W. Harker Ltd.; heating, Weather-foil Heating Systems Ltd.; water heater, General Electric Co.; ducts and fans, Vent-Axia Ltd.; lettering on glass, Saffour signs (execution), Pugh Bros. Ltd.; display, shop-front showcase and entrance screen panel, Cockade Ltd.; west wall exhibition (Pax-tiles), Newalls Insulation Co.; panel on west wall and east wall map and letter box, Warerite Ltd.; desk maps, Georama Ltd.; cold cathode strip light fitting in main showroom and fascia, Electrolumination Ltd.; Saffour sign (design), H. Lunn; Manager's desk, Mayfair Displays Ltd.; flower display, West End Flower House; furniture, Dunns of Bromley, Story & Co., Tan Sad Chair Co. (1931) Ltd., Pel Ltd.; Sofil 16-mm. film projector, Morris & Maguire Ltd.; carpet in Manager's office, Afia.

Correction

We are asked by Jenson & Nicholson Ltd. to point out that their advertisement for Robbialac Paints in our issue of January 4, which showed a view of Boots Printing Factory at Nottingham, omitted the following acknowledgment:—Architect, P. J. Bartlett, F.R.I.B.A., formerly architect, Boots Pure Drug Co. Ltd. Chief assistant in charge of works, A. J. R. Marshall, A.R.I.B.A.

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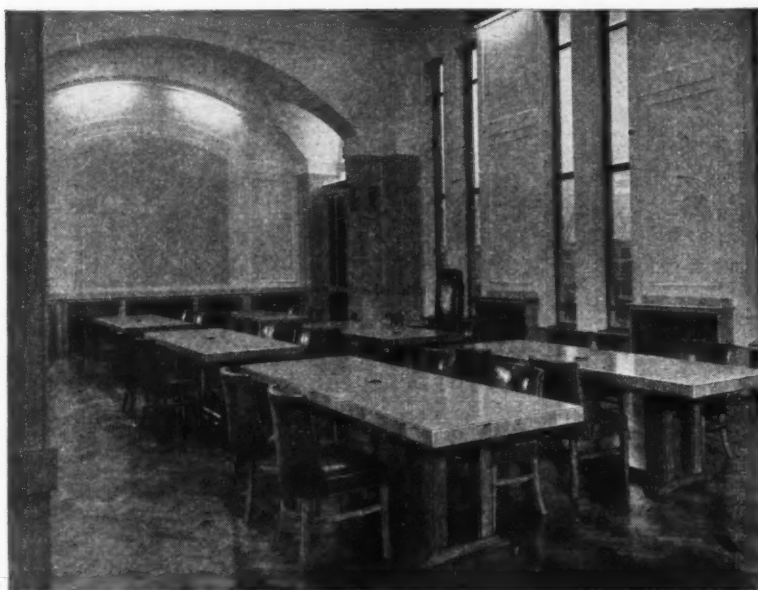
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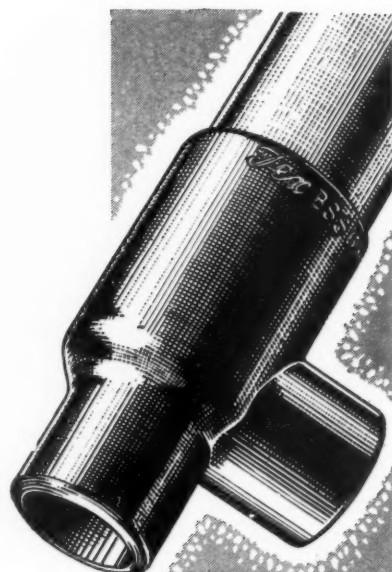
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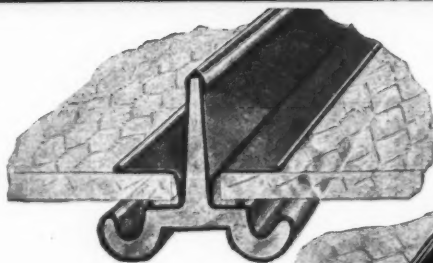
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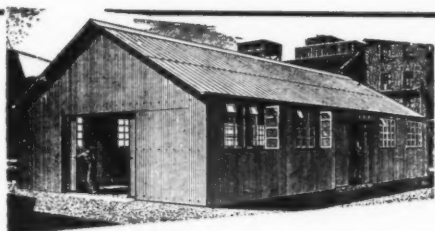


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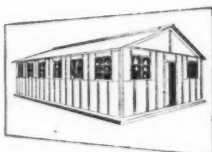
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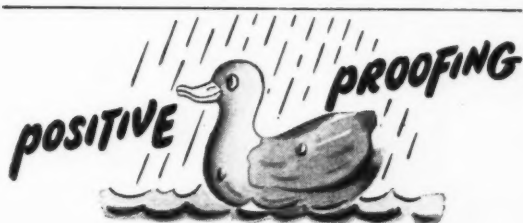
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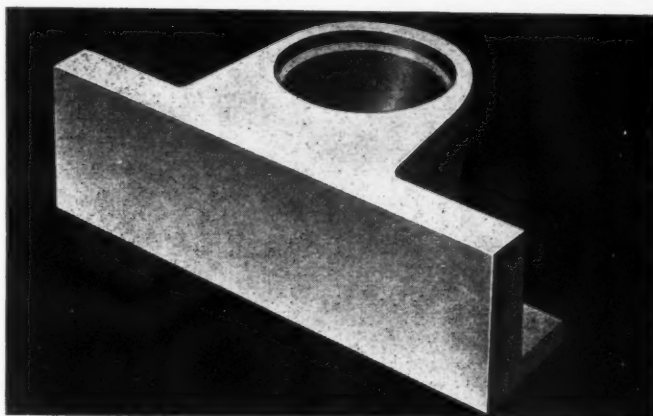
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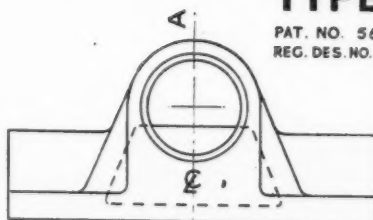
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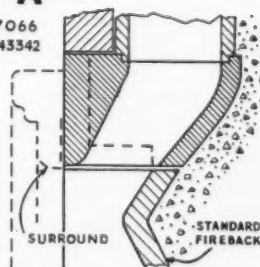


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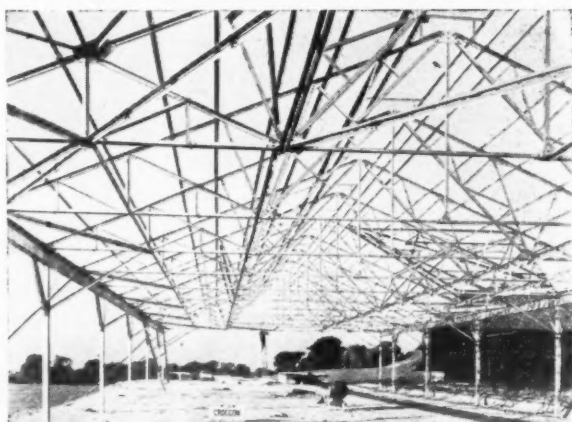


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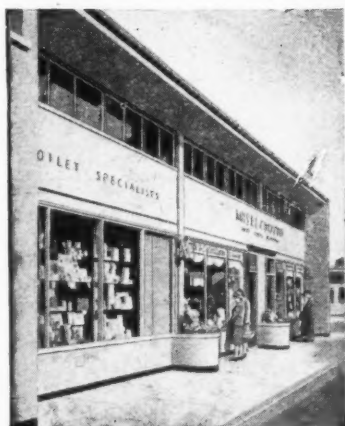
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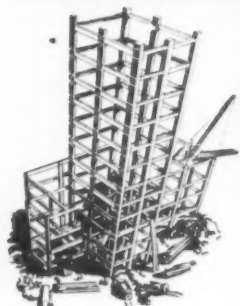
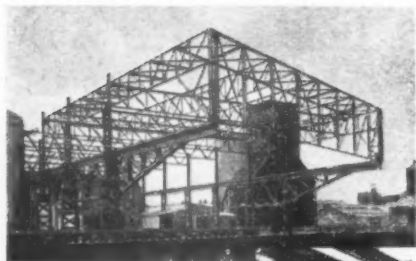
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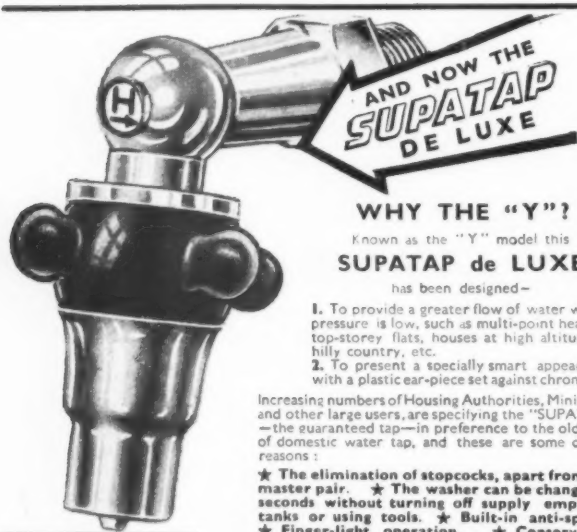
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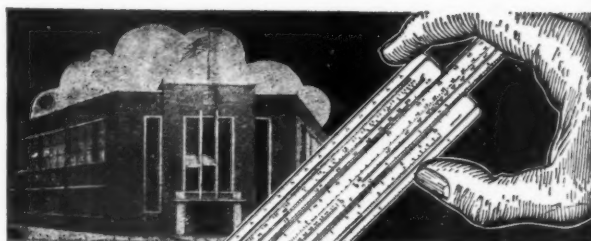
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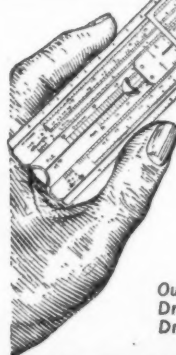
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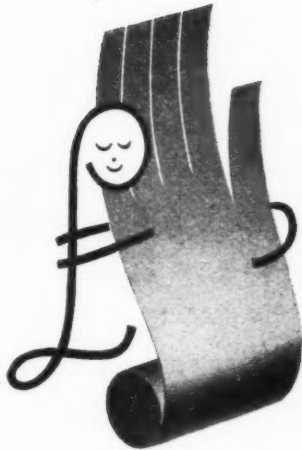


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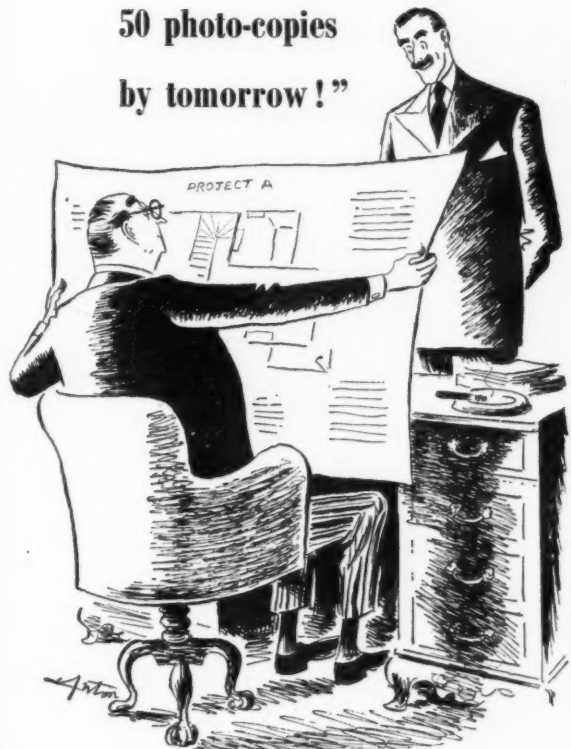
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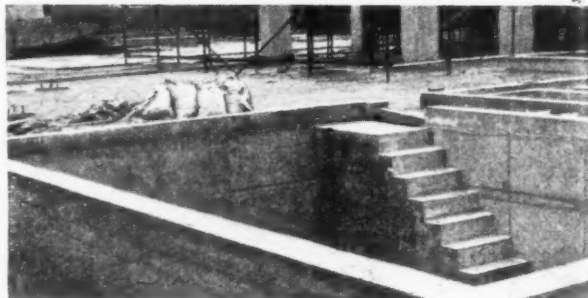


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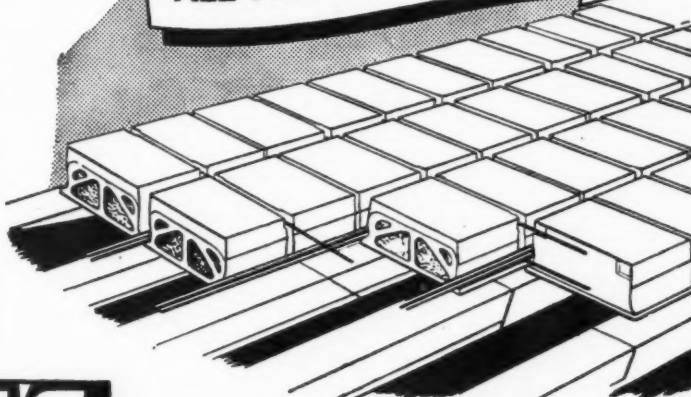
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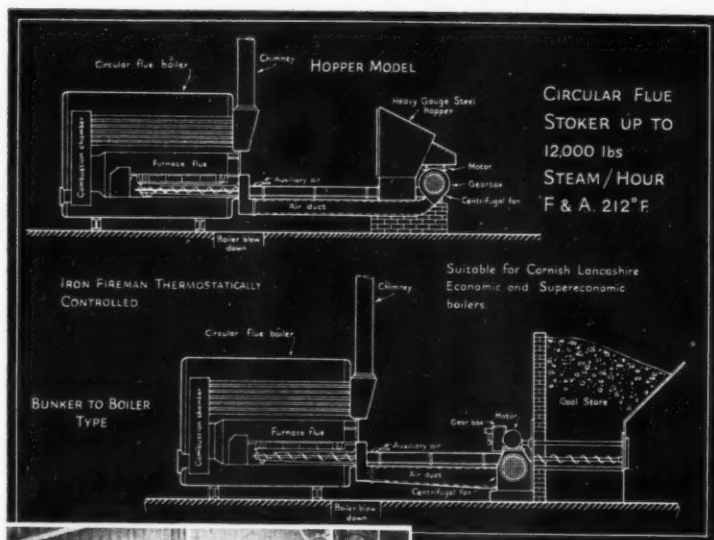
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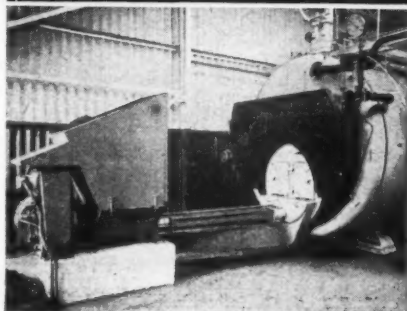
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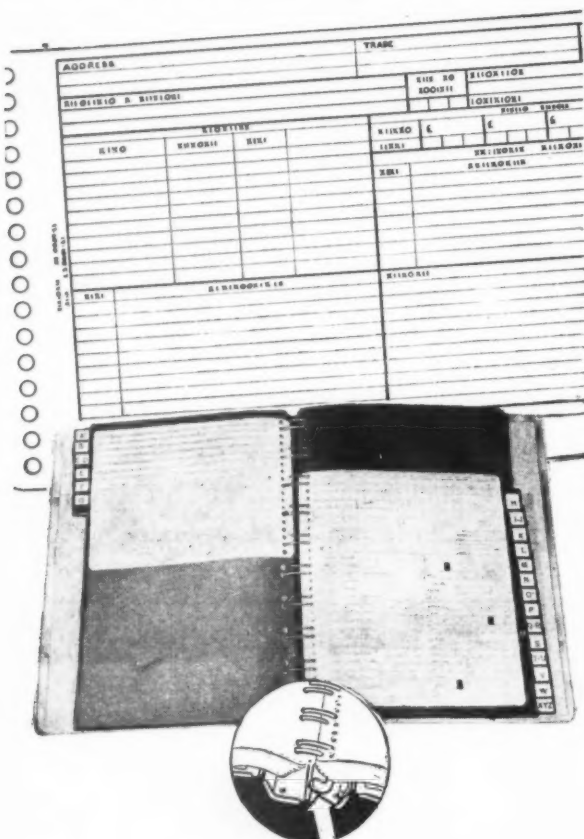


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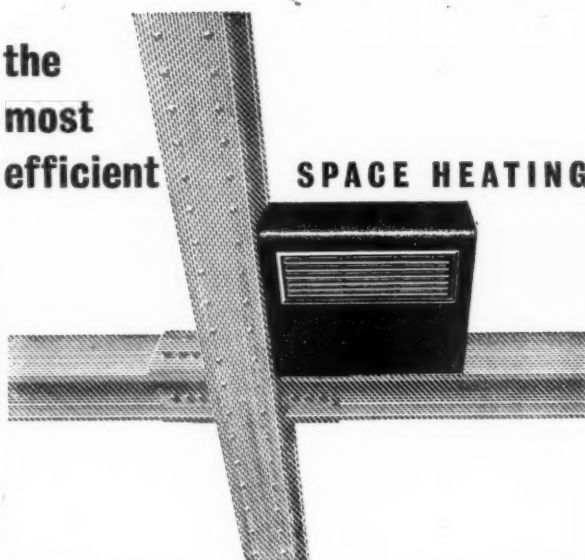
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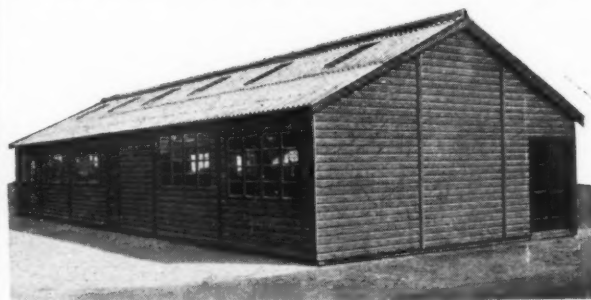
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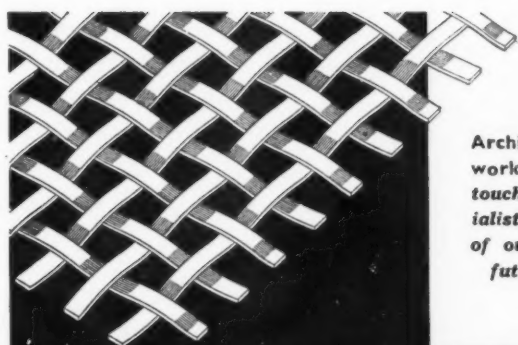
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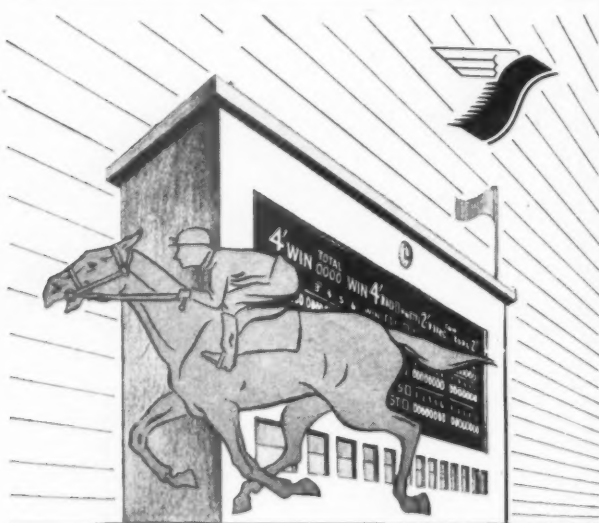
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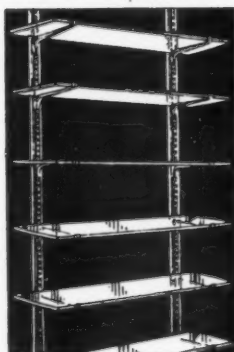
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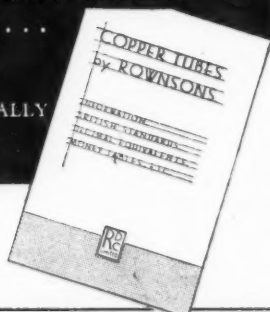
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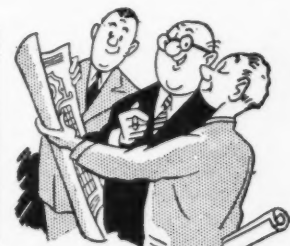


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Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

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

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NORTH THAMES GAS BOARD.

Applications are invited for the following appointment in the Architects' Section of the Chief Engineer's Department of West Ham Gas Board: SENIOR ARCHITECTURAL ASSISTANT, minimum starting salary £550 per annum.

Applicants, who must be Registered Architects and should be studying for or have passed the Final Examination of the R.I.B.A., should be capable of preparing working and detailed drawings and specifications, and supervising and controlling the work on contracts. Experience in design and planning of industrial buildings would be an advantage.

The appointment is of a permanent nature, and pension arrangements will be discussed with short list candidates.

Applications, stating age, qualifications, and particulars of previous appointments held, must be submitted to the Housing and Valuation Department, Commencing salaries will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

Successful candidates will be required to assist in the design, layout and preparation of working drawings for housing schemes (cottages and multi-storey flats), and will be employed in the Housing Architect's Division.

Forms of application may be obtained from the Director of Housing, the County Hall, Westminster Bridge, S.W.1, stamped addressed envelope required and quote reference A.A.1. Canvassing disqualified. (810) 4341

LONDON COUNTY COUNCIL.

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

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Applications are invited for the post of CHIEF QUANTITY SURVEYOR, the salary grade for which is £850 by annual increments of £50 to £1,000 per annum. Applicants should be under 45 years of age, Corporate Members of the R.I.C.S. with suitable experience, preferably in Scotland in estimating, preparing Bills of Quantities, and settling final accounts of large contracts.

The post is superannuable under the Local Government (Scotland) Act, 1937, and the successful candidate will be required to pass a medical examination.

Particulars of the assistance which the Corporation will give in securing housing accommodation will be given at the time of interview.

Canvassing, directly or indirectly, of members of the Corporation will constitute an absolute disqualification.

Applications, giving full particulars of the candidate's age, qualifications and experience, together with copies of not more than three recent testimonials, must reach the Secretary, Glenrothes Development Corporation, Woodside, Glenrothes by Markinch, not later than 20th February, 1951. 1815

CHESHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT. WIRRAL AND WEST CHESHIRE AREA PLANNING COMMITTEES.

APPOINTMENT OF PLANNING ASSISTANT. Applications are invited for the appointment of a Planning Assistant on the permanent establishment of the County Planning Department. The successful candidate will be stationed in the Wirral and West Cheshire Area Planning Office, which is situated at 11, Bridge Place, Chester.

The post is subject to the Local Government Superannuation Act, 1937, and the successful applicant will be required to act under the direction of the Area Planning Officer in the preparation of a Development Plan for the County and the Control of Development under the Town and Country Planning Act, 1947.

The salary will be in accordance with A.P.T. III-IV, of the National Joint Council Scales (£450 to £525 p.a.), and the commencing salary will be at the minimum of A.P.T. III.

Applicants for this position should have obtained the Intermediate Examination (or equivalent) of one of the recognised professional institutes, and preference will be given to candidates who have had experience in town and country planning.

Forms of application, together with details of the duties and conditions attaching to the appointment, may be obtained from me on receipt of a stamped and addressed foolscap envelope. The last date for the receipt of completed applications is Saturday, the 16th March, 1951.

KENNETH O. MALE, County Planning Officer.

Bridgegate House, Lower Bridge Street, Chester. 1858

BOROUGH OF WEYMOUTH AND MELCOMBE REGIS.

APPOINTMENT OF SENIOR QUANTITY SURVEYING ASSISTANT.

Applications are invited for the above appointment in the Borough Engineer and Surveyor's department at a salary in accordance with A.P.T., Grade V (£520×£15×£20—£570 per annum).

Candidates must be Members of the Royal Institute of Chartered Surveyors (Quantities), and must be competent and experienced in all branches of quantity surveying. The point of entry in the scale will be determined in accordance with qualifications and experience.

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

Applications, stating age, qualifications, training and experience, together with the names of three gentlemen to whom reference may be made, to be forwarded endorsed "Senior Quantity Surveying Assistant," to the undersigned not later than Wednesday, 21st February, 1951.

PERCY SMALLMAN, Town Clerk.

Municipal Offices, Weymouth. 1823

BOROUGH OF WEYMOUTH AND MELCOMBE REGIS.

APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for Registered Architects for appointment as Senior Architectural Assistant to the Borough Engineer and Surveyor's department, at a salary in accordance with A.P.T., Grade VI (£595×£20×£25—£660 per annum).

The appointment is in connection with the large scale re-development of an area of extensive bomb damage, and the candidate should have had suitable architectural training and considerable experience in the design of shops and large blocks of flats. The point of entry in the scale will be determined in accordance with qualifications and experience. Candidates must hold the examination of the Royal Institute of British Architects or a similar qualification by examination.

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

Applications, stating age, qualifications, training and experience, together with the names of three gentlemen to whom reference may be made, to be forwarded, endorsed "Senior Architectural Assistant," to the undersigned not later than Wednesday, 21st February, 1951.

PERCY SMALLMAN, Town Clerk.

Municipal Offices, Weymouth. 1822

BOROUGH OF NEWCASTLE-UNDER-LYME. CHIEF QUANTITY SURVEYOR.

Applications are invited for the above appointment in the A.P. and T. Division, Grade VII (£635-£710 per annum), of the National Scale of Salaries. Housing accommodation will be available for the successful candidate.

Applicants must be qualified Quantity Surveyors, fully experienced in the taking off and preparation of Bills of Quantities, Specifications and Estimates, preferably in connection with new school contracts, and should have thorough knowledge of contract administration.

Application forms, further particulars and conditions of appointment may be obtained from the Borough Engineer and Surveyor, Lancaster Building, Newcastle-under-Lyme, Staffs., to whom applications must be delivered not later than 26th February, 1951.

C. J. MORTON, Town Clerk.

Town Clerk's Office, Newcastle, Staffs. 1818

CITY AND ROYAL BURGH OF KIRK WALL. CLERK OF WORKS.

The Town Council of the City and Royal Burgh of Kirkwall invites applications for the appointment of a Clerk of Works, preferably with experience of building in stone, in connection with Housing Schemes. Salary according to qualifications. Applications, stating age, experience, qualifications, etc., to be lodged with the undersigned not later than 26th February, 1951.

E. J. HENDRY, Town Clerk.

Town Hall, Kirkwall, Orkney Islands. 1875

MINISTRY OF WORKS.

There are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS and LEADING ARCHITECTURAL ASSISTANTS with recognised training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic energy and other Research Establishments, Telephone Exchanges, and Housing.

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Although these are not established posts, some of them have long term possibilities, and competitions are held periodically to fill established vacancies.

Apply in writing, stating age, nationality, full details of experience and locality preferred, to Chief Architect, W.G.10/BC, Ministry of Works, Abell House, London, S.W.1, quoting reference W.G. 10/BC. 4826

BOROUGH OF DEVIZES. TECHNICAL ASSISTANT.

Applications are invited for the temporary appointment of Technical Assistant in the office of the Borough Surveyor and Water Engineer, to assist in the preparation of schemes for the Council's permanent housing programme, at a salary in accordance with Grade IV (A.P.T.) of the National Scale of Salaries (£480 p.a., rising by annual increments of £15 to £525).

Applicants should have had good experience in the preparation of schemes of Municipal housing, including sewerage, highways and water supply. Preference will be given to applicants who have passed an examination of the Institution of Civil Engineers or the Institution of Municipal Engineers or the Royal Institute of British Architects.

Forms of application and any further particulars may be obtained from, and applications should be addressed to the Borough Surveyor and Water Engineer, The Chequers, Devizes, Wilts.

All applications should be received in an envelope endorsed "Technical Assistant," by not later than noon on Monday, 12th March, 1951.

The appointment will be subject to one month's notice on either side.

A. HODGE, Town Clerk.

Midland Bank Chambers, Devizes, Wilts. 1824

BOROUGH OF WIDNES. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for two appointments as ARCHITECTURAL ASSISTANTS, Grade A.P.T. IV (£480-£525).

Applicants should be Student R.I.B.A., and have worked in an Architectural office for at least two years.

The appointments will be subject to the National Scheme of Conditions of Service, as adopted by the Council, and to the Local Government Superannuation Act, 1937, and to the successful candidates passing a medical examination.

Applications, stating full particulars of experience, qualifications, etc., together with the names of two referees, should be sent to the Borough Architect, Brendan House, Widnes Road, Widnes, not later than Saturday, 3rd March, 1951.

Canvassing, directly or indirectly, will disqualify.

FRANK HOWARTH, Town Clerk.

Town Hall, Widnes. 1857

THURROCK URBAN DISTRICT COUNCIL. ARCHITECTURAL ASSISTANT, GRADE VI.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade VI of the A.P.T. Division of the National Scale of Salaries, i.e., £595 per annum, rising by three annual increments to £660 per annum.

Candidates should be Associates of the Royal Institute of British Architects, and should be experienced in the preparation of drawings, specifications, and estimates for building and architectural work, undertaken by a Local Authority, particularly in connection with housing schemes on a large scale.

Housing accommodation, if necessary, will be provided for the successful candidate if he lives more than 20 miles from the district.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, endorsed "Architectural Assistant, VI," stating age, qualifications and experience, and quoting three references, should reach the undersigned not later than the first post on Wednesday, the 21st February, 1951.

Canvassing will disqualify, and applicants must disclose in writing any relationship to any member or senior officer of the Council.

A. E. POOLE, Clerk of the Council.

Council Offices, Whitehall Lane, Grays, Essex. 1796

METROPOLITAN BOROUGH OF POPLAR. APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT (GRADE A.P.T. VII).

Applications are invited from suitably qualified persons for the permanent appointment of Chief Architectural Assistant in the Architect's Section of the Borough Engineer and Surveyor's Department. The salary payable will be in accordance with Grade A.P.T. VII, of the National Salary Scales, i.e., £635-£710 per annum, plus London "weighting."

Applicants should have had experience of housing and multi-storey flats, and have a good knowledge of building construction and specification writing, and must be able to supervise a team of assistants.

Several schemes, including interesting constructional and detailing problems, are in hand or under construction, and the applicant appointed will be engaged on these projects.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects.

Full details of the appointment and forms on which application must be made, may be obtained from the Borough Engineer and Surveyor, Poplar Town Hall, Bow Road, E.3, to whom completed applications must be delivered not later than first post on Monday, 26th February, 1951.

Poplar Town Hall, Bow Road, E.3. 1845

**LONDON COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.
BUILDING SURVEYORS.**

Applications are invited for positions of **TECHNICAL ASSISTANT** (salaries up to £580) on the surveying staff of the Architect's Department, to deal with the temporary administration of the London Building Acts and other statutes (including means of escape, safety precautions in buildings licensed for public entertainment and general building regulations). Candidates should have a knowledge of building construction, and preference will be given to those taking R.I.C.S. qualifications. The positions will be superannuable. Application forms from the Architect (AR/EK/BR), County Hall, S.E.1, enclosing stamped addressed envelope, to be returned by 28th February, 1951. 1791

MINISTRY OF WORKS.

SENIOR ARCHITECTURAL ASSISTANTS are required in the Chief Architect's Division, who have had first-class experience and who are capable of supervising drawing office staffs. Vacancies exist in London, Edinburgh, Newcastle, Leeds, Birmingham, Manchester and Capehurst (Cheshire). Assistants will be employed on a wide variety of Public Buildings, including Atomic Energy and other Research Establishments, Telephone Exchanges, Office Buildings, etc. London salary, £225-£750 per annum. Salary elsewhere is slightly lower. 1791

Although these are not established posts, many have long term possibilities. Apply in writing, giving full details of age, qualifications and experience, to Mr. W. A. Rutter, C.B.E., F.R.I.B.A., Chief Architect, Ministry of Works, Abell House, John Islip Street, Westminster, S.W.1, quoting reference W.G.10/BE. Locality preferred should be stated. 1719

**NORFOLK COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited from Registered Architects for the appointment of a Senior Assistant Architect, Grade VI (£595-£660 per annum). Applications, stating age, qualifications, full details of experience, and giving the name of three persons to whom reference may be made, should be sent to the County Architect, 27, Thorpe Road, Norwich, within 10 days of the appearance of this advertisement. The appointment is on the permanent staff and is subject to National Conditions of Service.

H. OSWALD BROWN,
Clerk of the Council. 1844

THE ROAD HAULAGE EXECUTIVE invite applications for the following posts at Headquarters:—

ARCHITECTURAL ASSISTANT (S.90). Applicants should possess considerable experience in the preparation of preliminary and working drawings for large projects, preferably industrial, be competent to take charge of contracts with slight supervision, and Members of the R.I.B.A. or hold equivalent qualifications. Provisional salary range £650-£700.

ARCHITECTURAL DRAUGHTSMAN (S.91). Applicants must be able to prepare working drawings and details, be neat and accurate draughtsmen, have had a minimum of five years' experience in drawing offices. School training will be considered an advantage, and they must have passed the Intermediate Examination of the R.I.B.A. Salary within the range £530-£555 or £580-£630, according to qualifications and experience.

Applications, in duplicate, quoting the appropriate reference, should give date of birth, qualifications, experience, present post and salary, together with any other relevant information, and be sent to the Chief Staff and Welfare Officer, 222, Marylebone Road, London, N.W.1. Selected candidates will, if eligible, be expected to join a contributory superannuation scheme and, in this respect, to comply with whatever provisions are decided upon later for the staff of the Executive as a whole. 1838

**COUNTY BOROUGH OF DEWSBURY.
BOROUGH ARCHITECT AND BUILDINGS
SURVEYOR'S DEPARTMENT.**

Applications are invited for the following appointments in the Borough Architect and Buildings Surveyor's Department:—

(a) **CHIEF ASSISTANT ARCHITECT**, Grade A.P.T., VI. Salary £595-£660.

(b) **JUNIOR MAINTENANCE ASSISTANT**, Miscellaneous, Grade III. Salary £315-£375 per annum.

The successful applicant for appointment (b) will be required to assist with the maintenance of all Corporate Properties, particularly with the issuing and recording of orders under supervision and with checking and filing records of accounts. A general knowledge of building would be an advantage.

The appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination. Applications, stating age, qualifications and full particulars of training and experience, together with copies of two recent testimonials, should be sent to the undersigned not later than Monday, 26th February, 1951, in envelopes endorsed "Chief Assistant Architect" or "Junior Maintenance Assistant."

A. NORMAN JAMES,
Town Clerk. 1843

Town Hall, Dewsbury.
5th February, 1951.

**CARDIGANSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
ABERAYRON.**

Applications are invited for the following appointments:—

(a) **ONE QUANTITY SURVEYOR**. Salary A.P.T., Grade VIII, £685-£760.

Applicants should be thoroughly experienced in the preparation of estimates, Bills of Quantities, Interim Valuations and Final Accounts for all types of buildings, and should be Associates of the R.I.C.S. The commencing salary will be fixed in accordance with the successful candidate's experience.

(b) **ONE ASSISTANT ARCHITECT**. Salary A.P.T., Grade VI, £595-£660.

Applicants should be Members of the Royal Institute of British Architects, with experience in the design and construction of modern buildings (particularly schools), the supervision of large contracts and other works carried out by Local Authorities.

(c) **ONE ARCHITECTURAL ASSISTANT**. Salary Grade III-IV, A.P.T., £450-£525.

Applicants should preferably have passed the Intermediate Examination of the R.I.B.A. and should have a good general experience in Architectural work. The commencing salary will be fixed in accordance with the successful candidate's training and experience.

All the above appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937.

Successful applicants will be required to pass a medical examination.

Applications, suitably endorsed, stating age, qualifications, details of experience, previous and present appointments, present salary and the earliest possible date when available, together with two recent testimonials and names of two referees, are to be delivered to the undersigned on or before the 1st March, 1951.

The Council regret that they are not in a position to assist in finding living accommodation.

J. E. R. CARSON,
Clerk of the County Council.

County Council Offices,
Cambrian Chambers, Aberystwyth.
3rd February, 1951. 1848

**WEST SUFFOLK COUNTY COUNCIL.
APPOINTMENT OF SENIOR PLANNING
ASSISTANT.**

Applications are invited from suitably qualified persons for the appointment of Senior Planning Assistant in the County Planning Department at Bury St. Edmunds.

The salary will be within Grades A.P.T., V-Va (£520-£610 per annum), and the successful candidate will be required to provide a motor car, for which a mileage allowance will be paid in accordance with the County Scale.

The duties of the appointment will comprise work in connection with the preparation of Development Plans and the administration of Development Control, and candidates should have had experience in all aspects of Town and Country Planning, the preparation of factual surveys, and the planning of towns and villages.

Applicants for the appointment should have passed the Associate Membership Examination of the Town Planning Institute, and preference will be given to those possessing additional qualifications in engineering, surveying or architecture.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications in own handwriting, stating age, education, war service (if any), experience, present position and salary, together with the names of two referees, should reach the undersigned not later than the first post 1st March, 1951.

L. G. H. MUNSEY,
Clerk of the County Council.

Shire Hall, Bury St. Edmunds.
February, 1951. 1847

**COUNTY BOROUGH OF SOUTH SHIELDS.
ARCHITECTURAL ASSISTANTS AND
GENERAL ENGINEERING ASSISTANT.**

Applications are invited for the following permanent appointments in the Borough Engineer's Department:—

ARCHITECTURAL ASSISTANTS. Applicants must have passed the Final Examination of the R.I.B.A.

The salary will be within Grades VI and VII of the N.J.C. Scales (£595-£710), according to qualifications and experience.

Housing accommodation can be made available to successful applicants if necessary.

GENERAL ENGINEERING ASSISTANT. The appointment will be subject to qualifications and experience as set out in the N.J.C. Conditions of Service, and the salary will be A.P.T., Grade V (£520-£570).

Selected applicants will be required to pass a medical examination, and the appointments will be subject to the provisions of the Local Government (Superannuation) Act, 1937.

Canvassing will be a disqualification, and candidates must disclose any relationship to members or senior officers of the Council.

Applications on forms to be obtained from the Borough Engineer, Town Hall, South Shields, should be returned not later than the 1st March, 1951.

HAROLD AYREY,
Town Clerk.

Town Hall, South Shields.
2nd February, 1951. 1836

KENT COUNTY COUNCIL.

Applications are invited for appointment in the Buildings Department of a **SENIOR ASSISTANT ARCHITECT**, at a salary in A.P.T., Grade VIII (£685-£760).

Applicants must be Fellows or Associates of the Royal Institute of British Architects. The person appointed will be required to act as a liaison officer in connection with the employment of private architects for the erection of school buildings. Applicants must, therefore, have had considerable practical experience in administration and in the planning, designing and construction of school buildings. Previous employment with a local authority will be an advantage.

The post is superannuable, and the successful candidate will be required to undergo a medical examination.

Applications, on forms obtainable from the County Architect, Springfield, Maidstone, must be delivered to him within 14 days of the appearance of this advertisement.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
5th February, 1951. 1861

**GLENROTHS DEVELOPMENT
CORPORATION.**

Applications are invited from suitably qualified persons (under 45 years of age) for appointment as **JUNIOR ASSISTANT ARCHITECT**. The salary scale applicable to the post rises to £520 per annum, but the commencing salary will be fixed according to experience and qualifications.

Applicants should have passed at least the Intermediate Examination of the R.I.B.A. Experience of Schools and Public Buildings will be advantageous.

The post will be superannuable under the Local Government (Scotland) Act, 1937, and the successful candidate will be required to pass a medical examination.

Particulars of the assistance which the Corporation will give in securing housing accommodation will be given at the time of interview.

Canvassing, directly or indirectly, of members of the Corporation will constitute an absolute disqualification.

Applications, giving full particulars of the candidate's age, qualifications and experience, together with copies of not more than three recent testimonials, must reach the Secretary, Glenroths Development Corporation, Woodside, Glenroths, by Markinch, not later than 23rd February, 1951. 1860

**BLACKWELL RURAL DISTRICT COUNCIL.
ARCHITECT AND HOUSING SUPER-
INTENDENT'S DEPARTMENT.
ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, in the Architect and Housing Superintendent's Department, at a salary of £480 per annum, rising by annual increments of £15 to £525 (Grade A.P.T., IV).

Applicants should have attended a full time course of Architecture and have passed the R.I.B.A. Intermediate Examination, or its equivalent, at one of the recognised schools of Architecture, but have had less than one year's subsequent experience in an architectural office.

Applications, stating age, experience and training, accompanied by two recent testimonials, should be sent so as to reach the undersigned not later than 28th February, 1951.

R. EVANS,
Clerk to the Council.

Dale Close, 100, Chesterfield Road South,
Mansfield. 1846

LANCASHIRE COUNTY COUNCIL.

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

(a) **SECTIONAL PLANNING OFFICERS** at Accrington, Liverpool and Wigan (A.P.T., VIII, £685-£760), and Blackpool (A.P.T., VII, £635-£710), to be responsible for directing the work of technical staff. Considerable experience essential in Development Plan preparation.

(b) **PLANNING ASSISTANTS** at Ulverston (A.P.T., I-V, £390-£570), Blackpool, Accrington, Liverpool, Wigan and Manchester (A.P.T., I-VI, £390-£660). Duties mainly as follows:—

Engineering.—Preparation of town maps as required by the 1947 Act, and dealing with problems requiring civil engineering experience.

Architecture.—Design and preparation of detailed layouts for housing schemes, village extensions, and central area improvements.

General.—Dealing with general problems where specialist training not essential.

Applicants for Grades I-IV should possess a University degree or the Intermediate Certificate of an appropriate professional body, and for the higher grades one or more of the following, or their equivalent: A.M.T.P.I., A.M.I.C.E., A.R.I.C.S., A.M.I.Mun.E., A.R.I.B.A.

(c) **PLANNING ASSISTANT (RURAL)** at Preston (Headquarters) (A.P.T., I-VI, £390-£660). Duties mainly preparation of Development Plan for rural areas. Candidates should possess or be studying for a recognised planning or land agency qualification.

Salary of appointments under (b) and (c) commensurate with qualifications and experience. Applications, stating appointments applied for, and giving names, addresses and qualifications of two referees (preferably one should be present employer), to reach the County Planning Officer, County Offices, Preston, by 17th February. 1827

HALTEMPRICE URBAN DISTRICT COUNCIL. APPOINTMENT OF ASSISTANT ARCHITECT.
Applications are invited for the appointment of Assistant Architect, in the Engineer and Surveyor's Department of the above Council, at a salary in accordance with Grade A.P.T., VIII (£685-£725-£760).

Candidates must be suitably qualified and with particular experience on housing; while ability to prepare Bills of Quantities will be an advantage.

The appointment will be subject to the Conditions of Service prescribed by the Joint Provincial Council and to the Local Government Superannuation Act, 1937, and the successful candidate will be required satisfactorily to pass a medical examination. The appointment will be subject to termination by one month's notice on either side.

Applications, stating age, qualifications, experience, present and previous positions (with salaries), together with the names and addresses of two persons to whom reference can be made, must be delivered, suitably endorsed, to the undersigned not later than noon on Tuesday, the 27th February, 1951.

Applicants must state whether to their knowledge they are related to any member or chief officer of the Council.

A. B. GLASSPOOL,
Clerk of the Council.
Anlaby House, Anlaby, E. Yorks. 1877

COUNCIL OF THE COUNTY OF ABERDEEN. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for appointment as ARCHITECTURAL ASSISTANT in the County Architect's Department. Salary scale £480, rising by annual increments to £610 per annum. Placing within the scale may be granted according to the successful candidate's qualifications and experience. Applicants must be Associate Members of the Royal Institute of British Architects.

The appointment is subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937, and the successful candidate will require to pass a medical examination.

Conditions of appointment and forms of application are obtainable from the undersigned and should be returned to him not later than Wednesday, 28th February, 1951.

Canvassing of Members of the Council, directly or indirectly, in connection with the appointment shall disqualify the candidate.

CHAS. HORNAL,
County Clerk.
County Buildings,
22, Union Terrace, Aberdeen.
7th February, 1951. 1881

SCOTTISH SPECIAL HOUSING ASSOCIATION. which is a non-profit making Company, limited by guarantee and financed by H.M. Treasury, invite applications for the appointment of ARCHITECT, Grade II, £450-£525-£675, with placing for age and experience. The post is superannuable under the Local Government Superannuation (Scotland) Act, 1937. Forms of application with full particulars, can be obtained from the Secretary, 15/21, Palmerston Place, Edinburgh, 12. 1880

COUNTY BOROUGH OF SOUTHAMPTON. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments—
(a) ASSISTANT ARCHITECT. Grade A.P.T., VI (£595-£660).
(b) ASSISTANT ARCHITECT. Grade A.P.T., V (£520-£570).

Applicants must have had experience in housing design, layout, construction, and the administration of contracts, and must be Associate Members of the Royal Institute of British Architects.

The appointments will be subject to the scheme of conditions of service of the National Joint Council for Local Authorities for Administrative, Technical, Professional and Clerical Services; to the Local Government Superannuation Act, 1937; to the successful applicants passing a medical examination, and to termination by one month's notice on either side.

Applications, stating age, experience, qualifications and war service, together with copies of three recent testimonials, should be submitted to the Borough Engineer and Surveyor, Civic Centre, Southampton, not later than Friday, 2nd March, 1951.

R. RONALD H. MEGGESSON,
Town Clerk.
Civic Centre, Southampton.
February, 1951. 1878

LONDON COUNTY COUNCIL. ARCHITECT'S DEPARTMENT.

ARCHITECTS FOR HOUSING DIVISION.
Applications are invited for the following grades in the new Housing Division of the Architect's Department:—Architect, Grade II (£700-£840); Architect, Grade III (£550-£700); Technical Assistant, salaries up to £580. This division will ultimately be responsible for the design and erection of all the Council's housing, and staff are required immediately for the preparation of new schemes.

The positions are superannuable. Application forms, to be returned by 10th March, 1951, obtainable from the Architect, County Hall, S.E.1. enclosing stamped addressed foolscap envelope and quoting AR/EK/H. (128) 1873

CITY OF LEEDS. CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT. Salary scale, £595-£710.
(b) ASSISTANT ARCHITECTS. Salary scale, £595-£660.
(c) ASSISTANT ARCHITECT. Salary scale, £520-£570.

Candidates must be Registered Architects and should have had a thorough training and experience in architectural design and construction, preferably in connection with schools.

(d) ARCHITECTURAL ASSISTANTS. Salary scale, £450-£495.
(e) ARCHITECTURAL ASSISTANTS. Salary scale, £420-£465.

In each case the payment of salary increments will be subject to satisfactory service, and will be granted normally with effect from the 1st April following the completion of 6 months' service.

The appointments are subject to the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications on forms to be obtained from the undersigned, accompanied by copies of not more than three recent testimonials (not returnable), must be received by me in the envelope supplied therefor, not later than 10 a.m. on Tuesday, the 6th March, 1951.

Canvassing in any form, either directly or indirectly, will be a disqualification.

R. A. H. LIVETT, A.R.I.B.A.,
City Architect.
Priestley House, Quarry Hill, Leeds, 9.
February, 1951. 1876

COUNTY BOROUGH OF SWANSEA. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the established staff appointment of:—

BUILDING WORKS MANAGER, to take charge, under the Borough Architect, of all Direct Labour building, at a salary of £685 per annum, rising to £760 per annum.

Candidates must be under 45 years of age, unless in Local Government service. The appointment will be subject to the Local Government Superannuation Act, 1937, and to medical examination.

A statement of the duties and a Form of Application may be obtained from the Borough Architect, Guildhall, Swansea, and must be returned to the undersigned by the 6th March, 1951.

T. B. BOWEN,
Town Clerk.
Guildhall, Swansea.
12th February, 1951. 1879



EXHIBITION DESIGN

Edited by Misha Black. O.B.E. Contributors:
Misha Black, O.B.E., Basil Spence, F.R.I.B.A.,
James Holland, F.S.I.A., Adrian Thomas,
Richard Guyatt, Lynton Fletcher, M.A.,
J. Mortimer Hawkins, M.I.E.S., H. F. Clark,
A.I.L.A., Dorothy Goslett, Austin Frazer.

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LONDON COUNTY COUNCIL.

Applications are invited for a temporary position of ARCHITECT, Grade 1 (£240-£260), in the Housing Architect's Division of the Housing and Valuation Department. Appointment will be superannuable, and the successful candidate will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies. Applicants must possess a recognised professional qualification.

The successful candidate will be placed in charge of technical staff engaged in the production of drawings and contract particulars for blocks of flats or cottage estates, and also of supervision of the work during construction.

Application forms, which must be returned within 14 days of the appearance of this notice, are obtainable from Director of Housing and Valuer, The County Hall, S.E.1 (stamped addressed envelope required and quote reference A/27). Canvassing disqualifies. (146) 1872

LONDON COUNTY COUNCIL.

VACANCIES FOR TEMPORARY CLERKS OF WORKS IN ARCHITECT'S DEPARTMENT.

Applications are invited for Temporary Clerks of Works to supervise painting and cleaning contracts at Council Schools for a period of 7 months from 15th March, 1951.

Rate of pay—up to £9 5s. a week. Applications obtainable from the Architect (AR/EK/P & C/C/W), County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed foolscap envelope, to be returned by 28th February, 1951. Canvassing disqualifies. (151) 1874

Partnership

6 lines or under, 12s. 6d.; each additional line, 2s.

ASSOCIATE (35), with experience of general practice and interested old buildings, wishes join country or provincial practice with view to Partnership. South Midlands or Southern England preferred (not South-West). Box 1841.

CHARTERED ARCHITECT required to start in Partnership a new practice, to take over and increase connections of two Chartered Surveyors. City offices are available. Until firmly established the Architect may retain his present position. Box 1862.

CHARTERED ARCHITECT, with medium sized office in Midlands, industrial and school work, etc., in hand, requires ASSOCIATE, preferably A.M.T.P.I., for position leading to Partnership. Having contemporary ideas, able to introduce work. Box 1852.

Competition

6 lines or under, 12s. 6d.; each additional line, 2s.

"ARCHITECTURAL COMPETITION" for Club House at Woodend Bowling Club, King's Gate, Aberdeen.

The Management Committee invite ARCHITECTS resident or practising in the area of the Aberdeen Chapter, R.I.A.S., and Student-Members of the Aberdeen Chapter in association with a registered Architect, to submit designs in Competition. Assessor, Wm. W. Friskin, A.R.I.B.A., Dundee.

Conditions of Competition and Plan of site may be obtained on deposit of £1 1s. (returnable) with application to:—

JAMES R. LEITH, ESQ.,
Secretary, Woodend Bowling Club,
292, Queens Road, Aberdeen.

Date for questions, 26th February, 1951.
Date for submission of designs, 28th May, 1951. 1835

Architectural Appointments Vacant

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

FULLY qualified ARCHITECTURAL ASSISTANT required for West End office. Capable of handling contracts. State qualifications, experience, and salary required. Box 1586.

SOUTHAMPTON.—Busy firm of Architects require ASSISTANT ARCHITECT, with some office experience; alternatively medium grade ASSISTANT of at least Intermediate standard, with sound knowledge of design of commercial and industrial buildings. Applications, giving full particulars, including qualifications, experience, and salary required, to Box 1756.

SINGLE ASSISTANT, Intermediate standard, car driver, required for live country office. Experienced measured surveys. Full details with salary required to Box 1765.

DRAUGHTSMAN, with experience in the design of structural steelwork on industrial buildings, required. A knowledge of reinforced concrete and general building construction also desirable. Write, stating age, experience, and salary desired, to E.M.A., Cadbury Brothers, Ltd., Bourneville. 1796

LEWELLYN SMITH & WATERS, F./R.I.B.A., 103, Old Brompton Road, S.W.7, and Willis, Llewellyn Smith & Waters, Albany House, Worcester, require competent ASSISTANTS. Applicants should have passed the Intermediate Examination and have had at least three years' office experience. Interesting programme of varied work in hand. Please apply in writing to London office. 1834

SENIOR ASSISTANT required. Salary according to experience. Apply Carpenter & Beresford Smith, Chartered Architects, 27, Queen Square, Bath. 1865

A PROMINENT Firm, with expanding varied Architectural practice, requires SENIOR and INTERMEDIATE ASSISTANTS. The positions are permanent and carry attractive salaries. Applicants should have practical experience as well as theoretical training. Reply, giving fullest possible details and present salary, to Box 1866.

SOUTHERN RHODESIA.—Chartered Architects, Salisbury, require ASSISTANT, 30-40 years old. Accommodation at low rental for married man without children. Fare out refunded. Apply Overseas Architects Service, 5, Welldon Crescent, Harrow. 1867

ARCHITECT'S ASSISTANT for West End Architect. Experience Industrial essential. Salary according to capabilities. Progressive post. Box 1864.

SENIOR ARCHITECTURAL ASSISTANT required in London office. Must be fully experienced, able to take charge of jobs, and to control staff of seven assistants. Excellent prospects for right man. Please reply, with full details of age, experience, and salary required, to Box 1863.

BRILLIANT CONTEMPORARY ARCHITECT, preferably A.R.I.B.A. and Competition winner, required by practising Architect, A.R.I.B.A., in Warwickshire, to help in competition work, evenings or daytime, by arrangement. Mutual financial agreement to full details. Box 1853.

ARCHITECTURAL ASSISTANT of Inter. standard required immediately. 5-day week. Small London office. Telephone Cunningham 2529 for appointment. 1850

BUILDING MATERIALS

Science and Practice

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

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

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ARCHITECTURAL ASSISTANTS (Temporary), with good general practice experience, wanted for Railway Civil Engineer's office in Glasgow. State age, qualifications and experience. Box 1855.

ARCHITECTURAL ASSISTANT wanted for small office. Sound knowledge of working drawings and specifications essential. Write, stating salary required. Box 1859.

REQUIRED in Architects' office (S.W. coastal area), with varied practice, good ARCHITECTURAL ASSISTANT, with designing ability and some knowledge of specification writing. Reply, giving full details whether married or single, when available, and salary required, to Box 1856.

SENIOR ASSISTANT, qualified, required for well-known practice in South Midlands. Good designer essential, and capable of taking complete charge. Vacancy through retirement of Senior Partner. Commencing salary £250-£1,000, with prospects of Partnership. Box 1854.

ASSISTANTS required in Architects' Department of large commercial organisation. Sound all-round training in the profession essential, including supervision of work. Excellent opportunities for men of initiative. Apply in writing, giving details of experience, age, and salary required, to Box 1885.

ARCHITECTURAL ASSISTANT required immediately. Kensington area, experienced in measured surveys, preparation of sketch plans and working drawings. Apply, giving full particulars and salary required, to Box 1886.

ARCHITECTURAL ASSISTANT, wanted for working on schools, hospitals, flats, etc., in a general practice 11 miles from London. Some experience essential. Salary by arrangement in the neighbourhood of £400 p.a. Apply by letter, giving age and experience in detail, to Tooley & Foster, Chartered Architects, Midland Bank Chambers, Buckhurst Hill, Essex. 1887

RECKITT & COLMAN, LTD., have a vacancy for an ARCHITECTURAL ASSISTANT, with experience of industrial building and maintenance. The duties would include draughtsmanship, estimating, the preparation of quantities and the superintendence of work in progress. There are good prospects for a man of ability, who is prepared to spend a few years in establishing himself. Applicants should apply in writing, giving full information about their experience, to Engineering Department, Reckitt & Colman, Ltd., Danson Lane, Hull. 1884

PART-TIME ASSISTANCE wanted setting up perspectives. Must be fully competent. Good fees to the right man. Phone GER. 1253. 1888

Architectural Appointments Wanted

OFFICE trained ASSOCIATE, with varied experience, including 5 years as Senior and Managing Assistant in private practice, and accustomed to responsibility for office administration and staff supervision, desires new appointment. Box 85.

A POSITION is required as ARCHITECTURAL ASSISTANT by Chartered Architect (Dist. in Thesis), 2 years' experience in contemporary work. Planning qualifications. Box 86.

YOUNG ARCHITECT, married, wants position in Pakistan or India. Write Box 87.

YOUNG LADY SECRETARY, good education and 4 years' experience with Chartered Architects, seeks similar position. Please write Box 1869.

Services Offered

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

SURVEYOR offers services to Architects and others in the preparation of detailed Land and Building Surveys, Levelling, etc. Birmingham district. Own car and equipment. Box 1798.

SERVICES offered by Architect, Perspective Artist and Model-maker. Box 1830.

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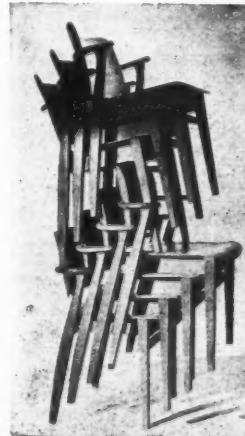
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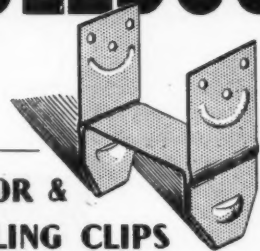
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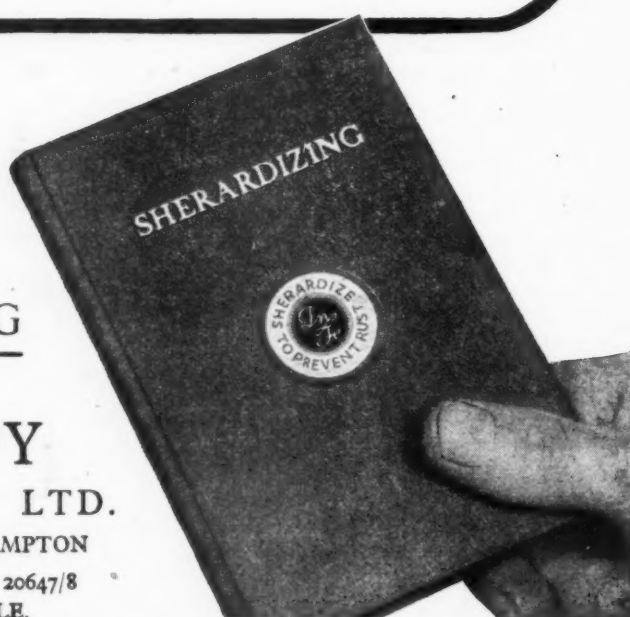
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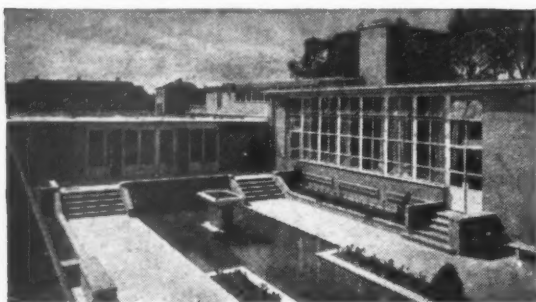
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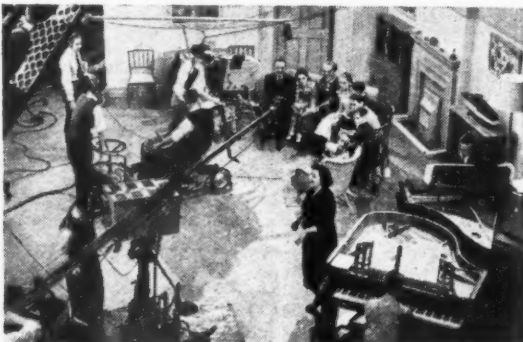
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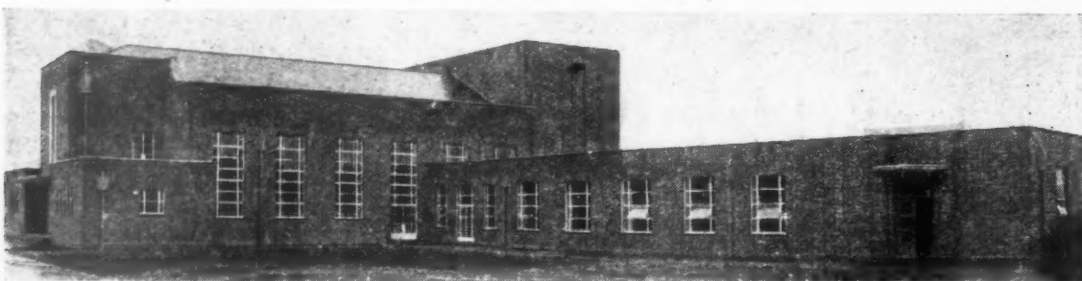
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