

THE ARCHITECTS' JOURNAL



Standard contents

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

NEWS and COMMENT

Diary

News

Straghal's Notes and Topics

Letters

Societies and Institutions

TECHNICAL SECTION

Information Sheets

Information Centre

Current Technique

Questions and Answers

Prices

The Industry

PHYSICAL PLANNING

SUPPLEMENT

CURRENT BUILDINGS

HOUSING STATISTICS

Architectural Appointments
Wanted and Vacant

★ 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.	Welbeck 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.	Welbeck 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.	Welbeck 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 A. Guy Chant, F.R.I.B.A., Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderhof, 7, Zurich, Switzerland.	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
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
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
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
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
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
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Waterloo 1951
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
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, 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
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577

No. 2887]

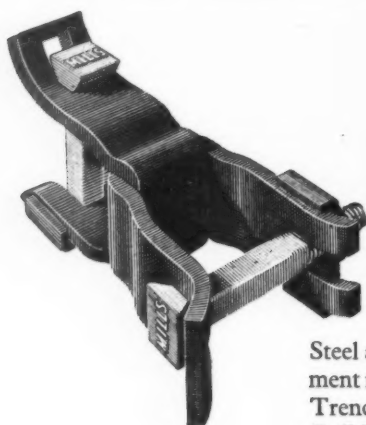
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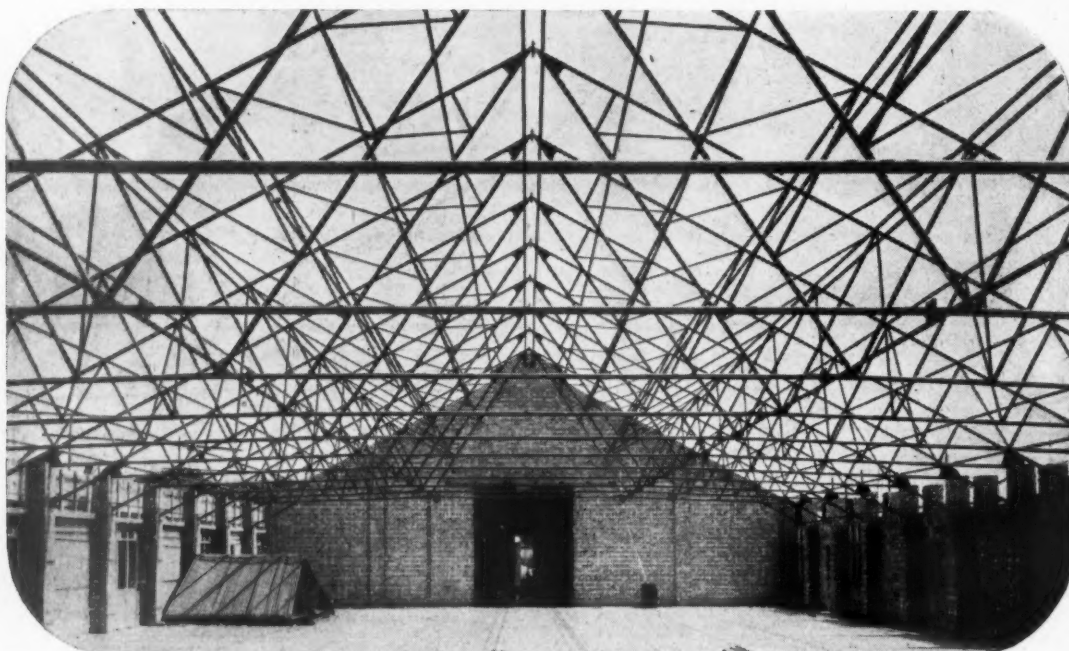
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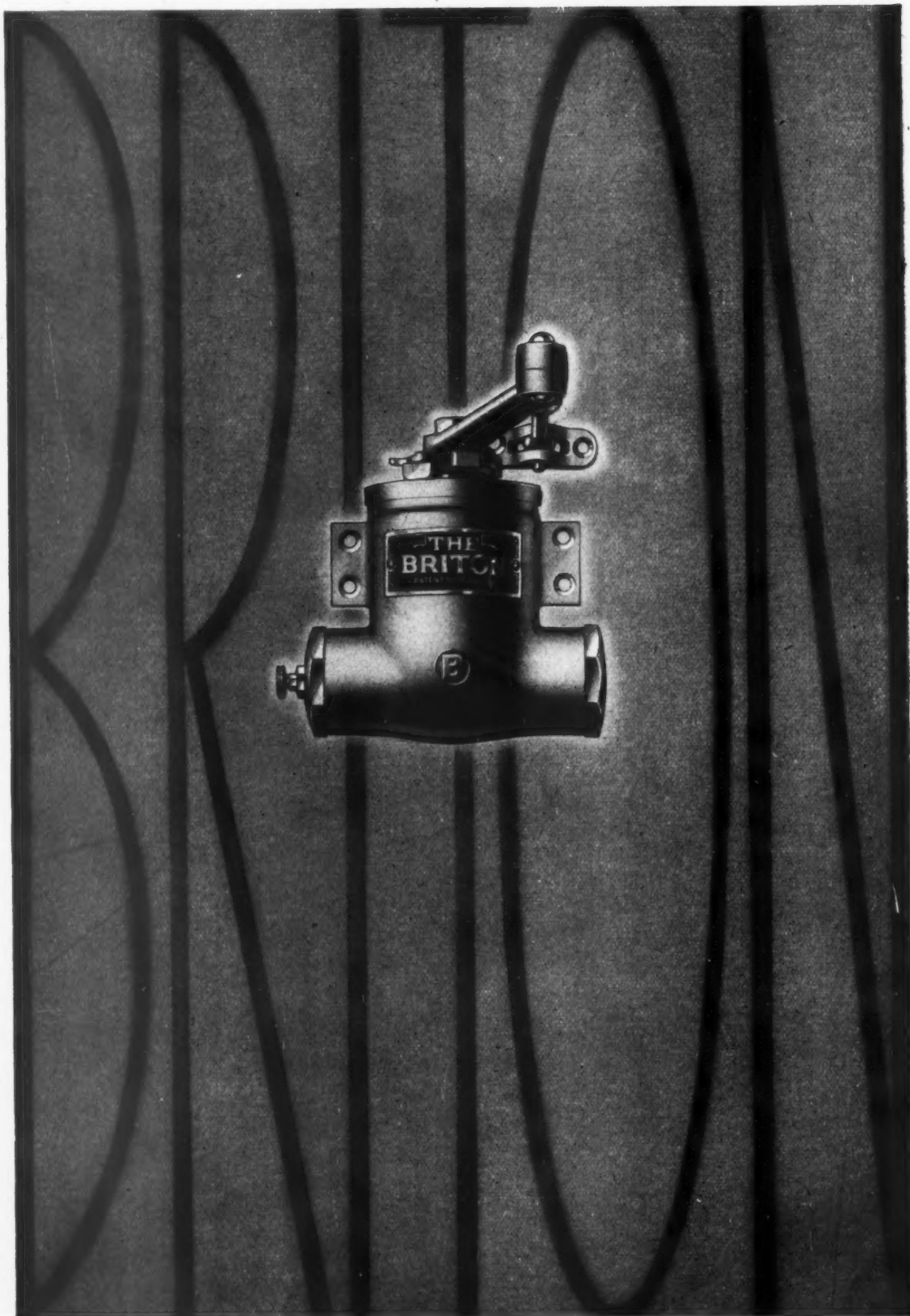
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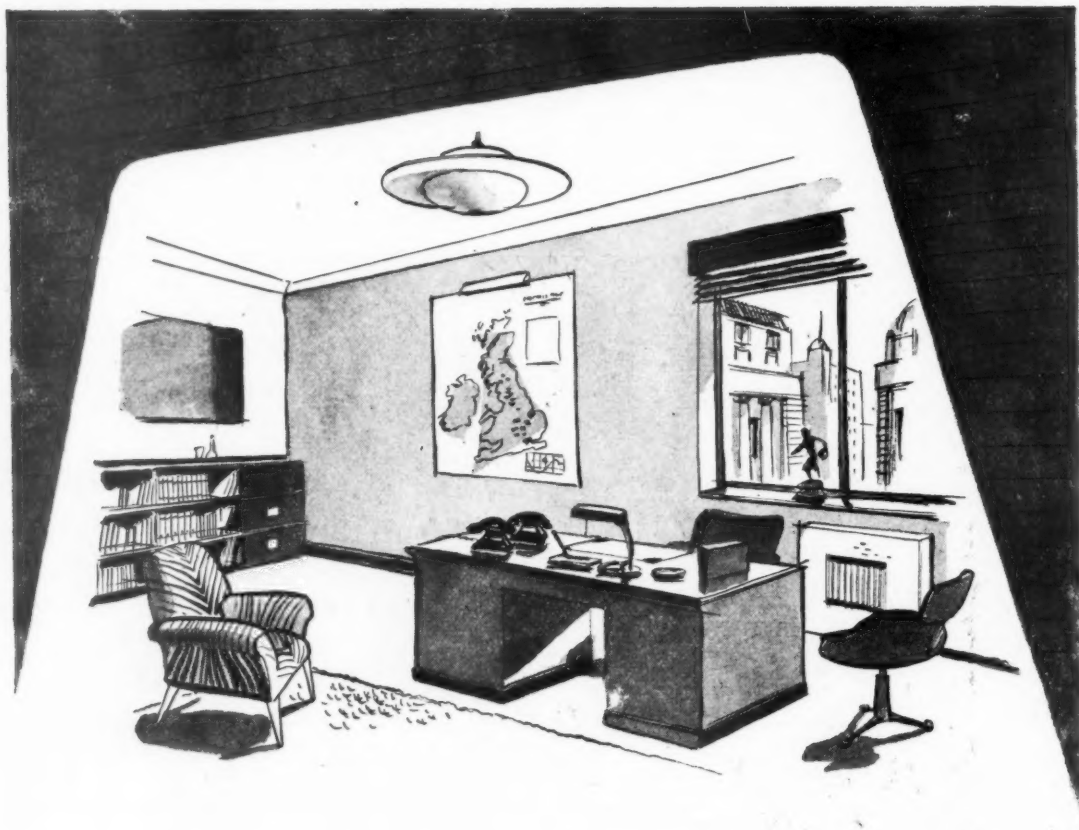


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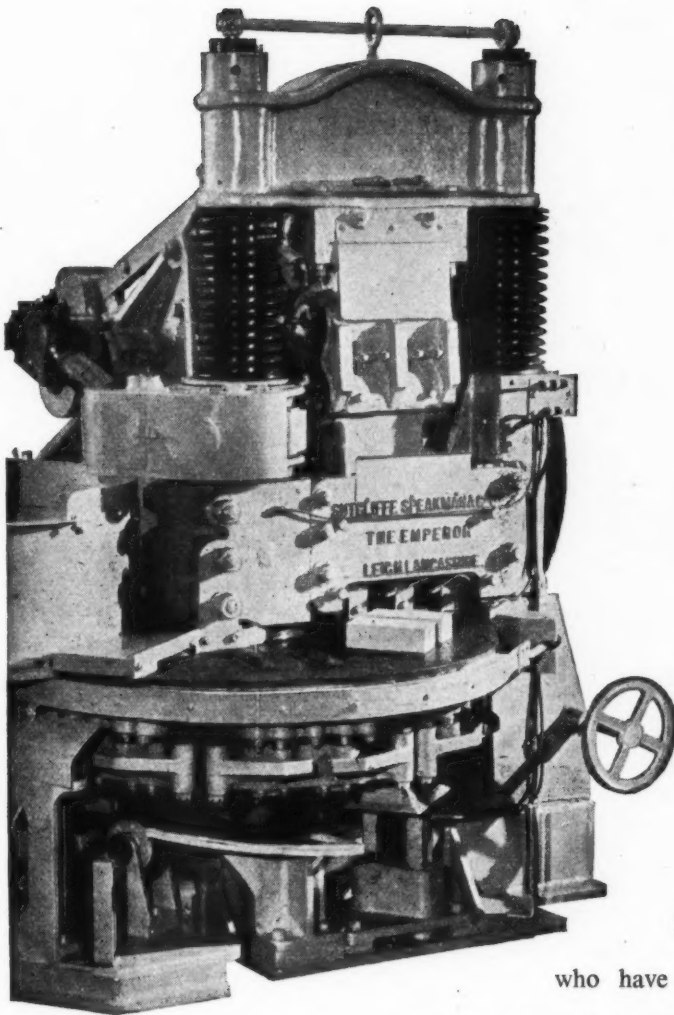
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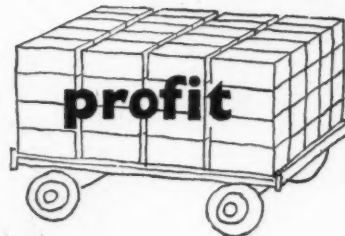
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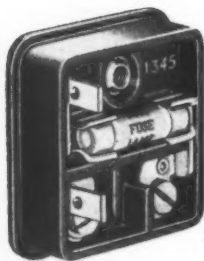
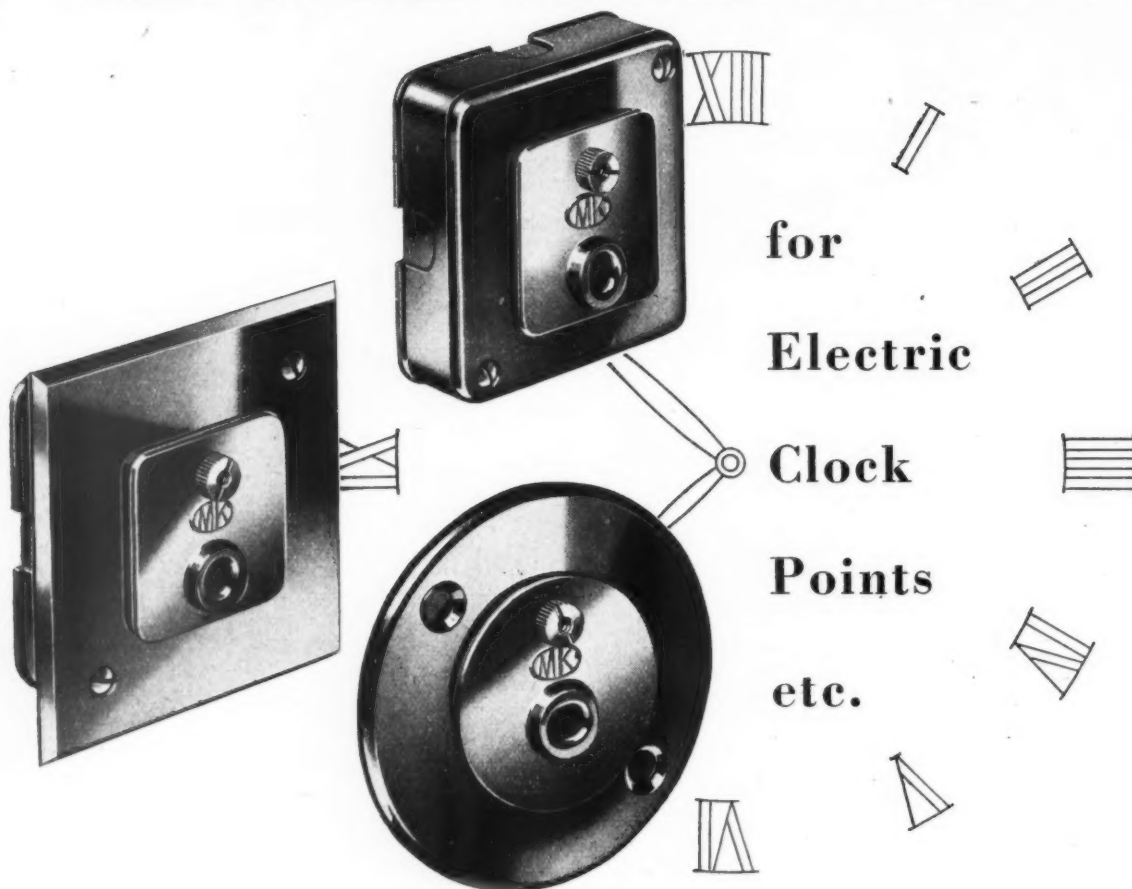
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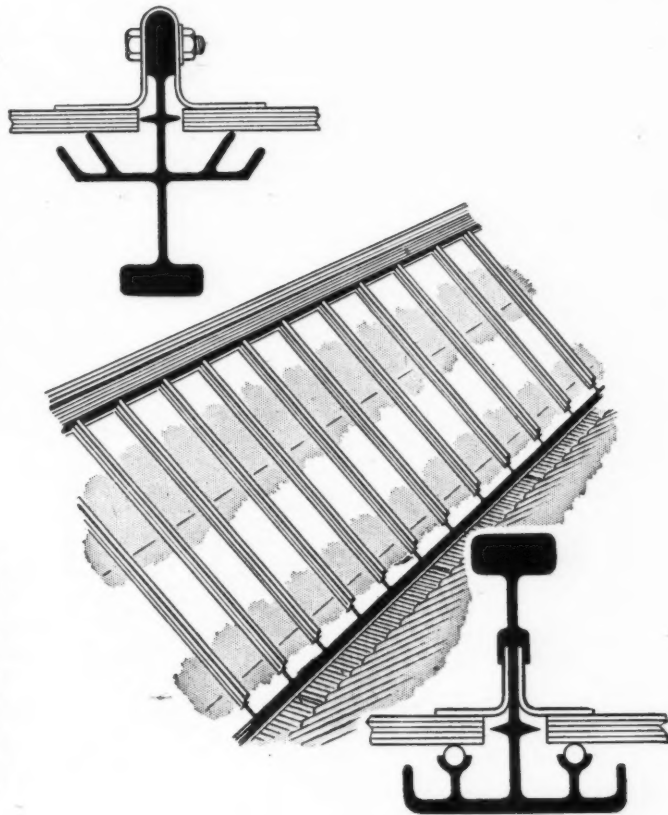
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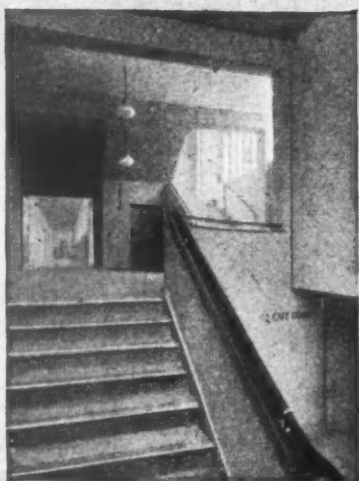
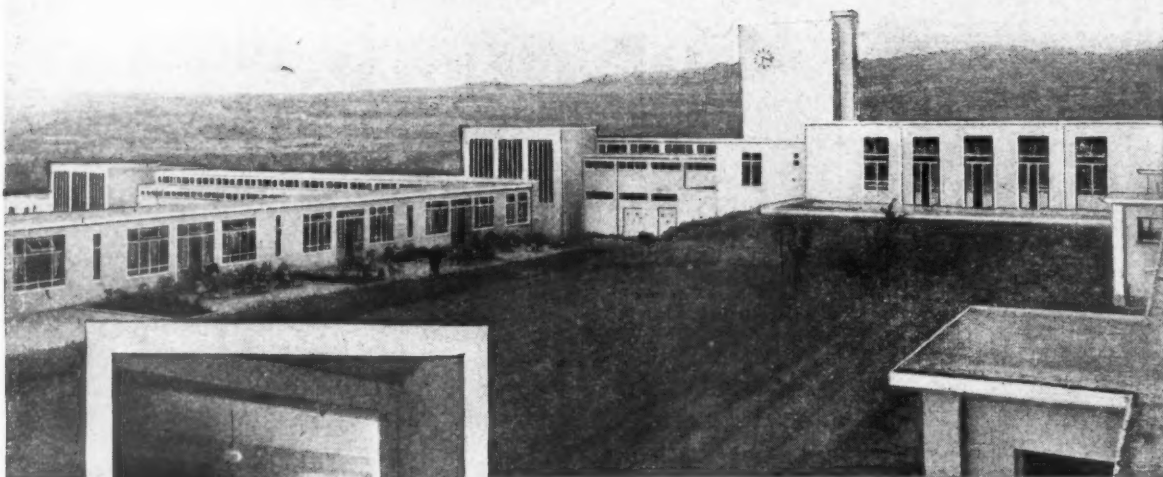


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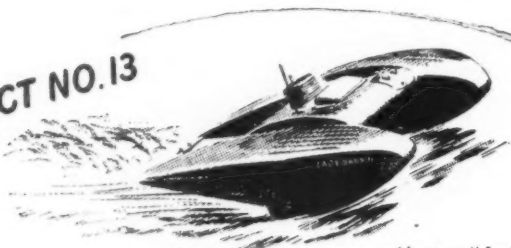
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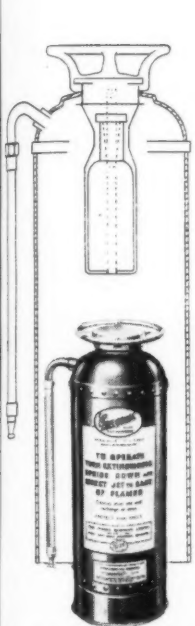
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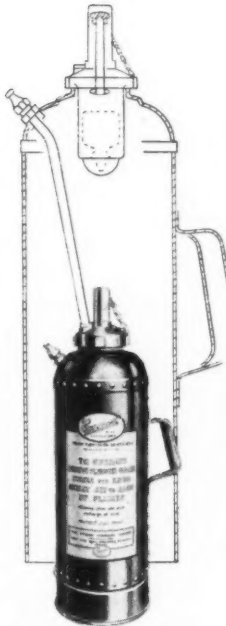
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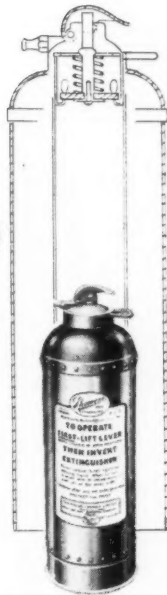
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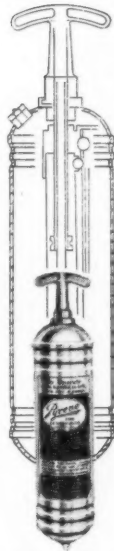
C.50 Model. This is another sealed bottle Soda-acid Extinguisher which is operated by striking a hinged hammer smartly against the side of the container.



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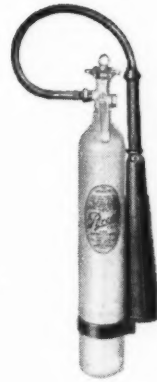
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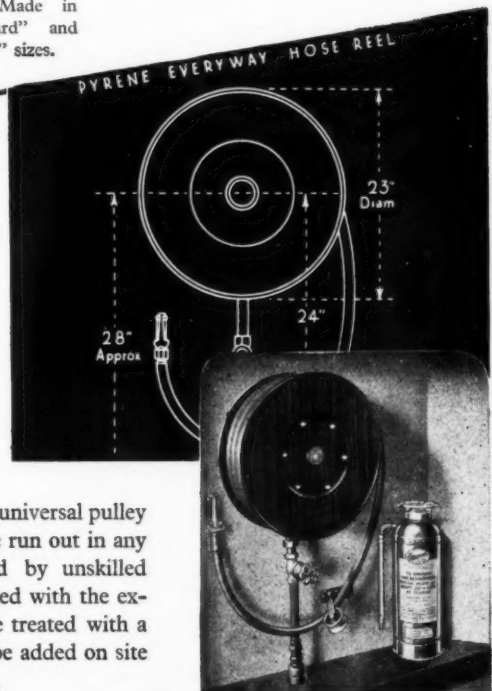
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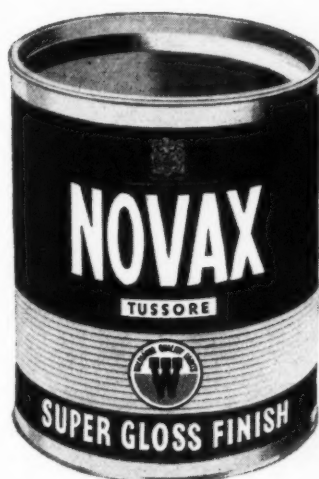


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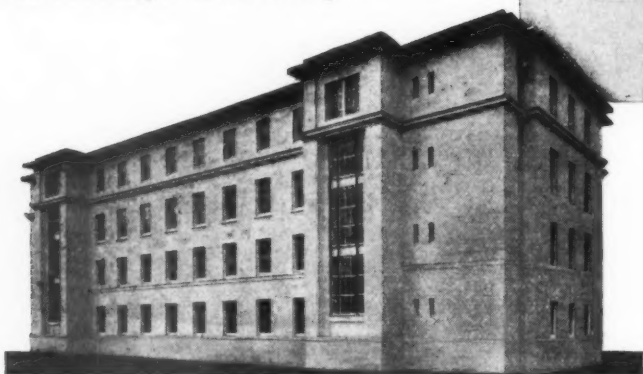
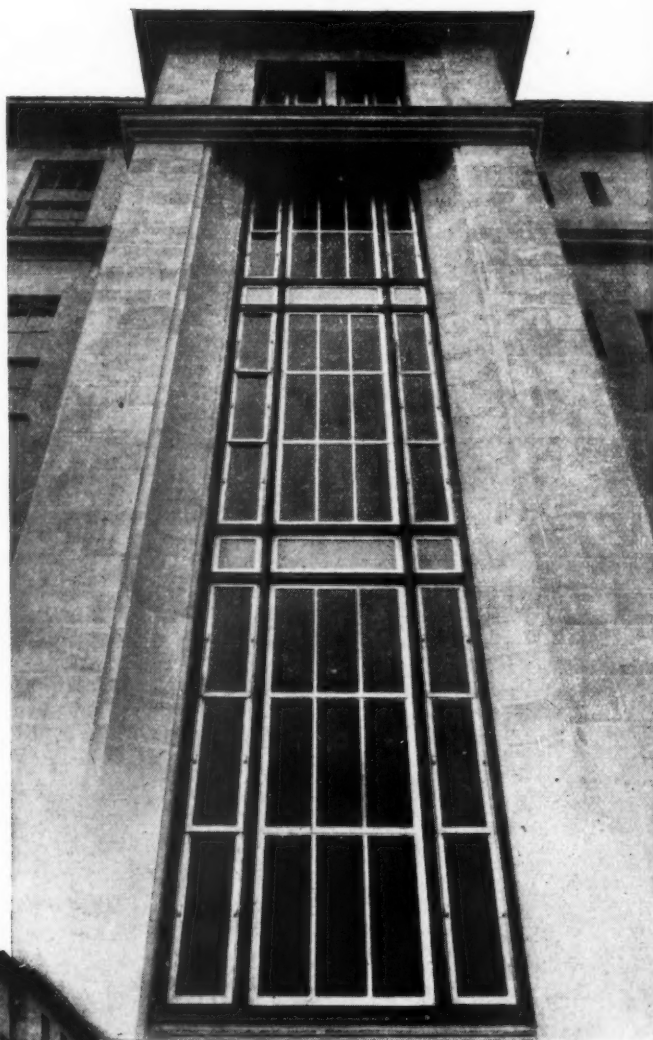


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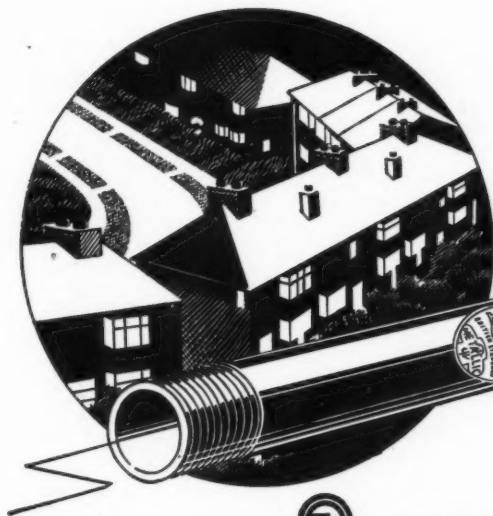


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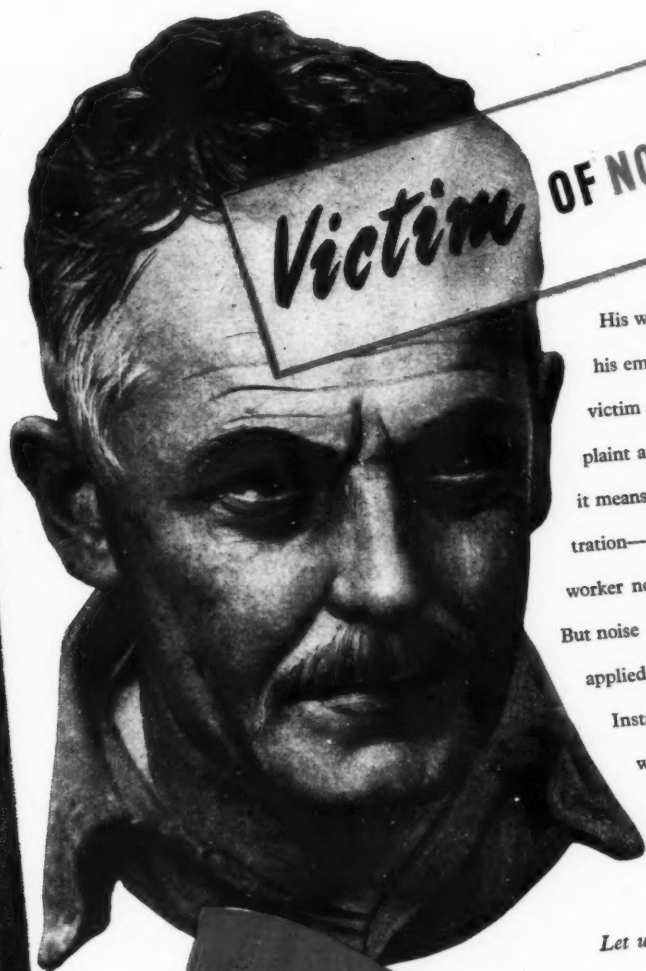
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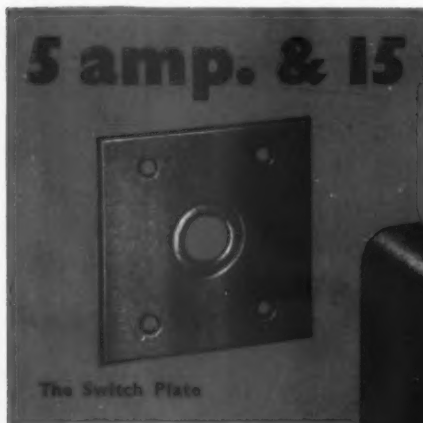
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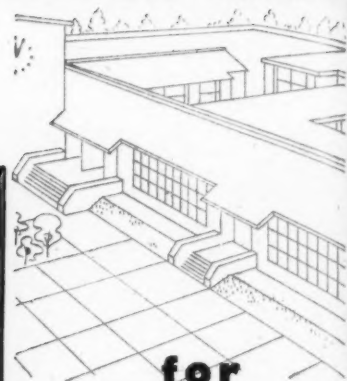
The Switch Plate



The Switch



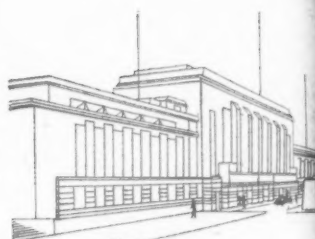
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THE GRID BOX: Rigidly constructed and designed to give a wide margin of adjustment and the maximum space for wiring.

This flush switch unit is a worthy criterion of all BRITMAC products. A large number of County Architects and Local Authorities are already specifying BRITMAC ELECTRICAL ACCESSORIES by name and thereby ensuring the highest standard of quality and perfection of finish throughout the building.



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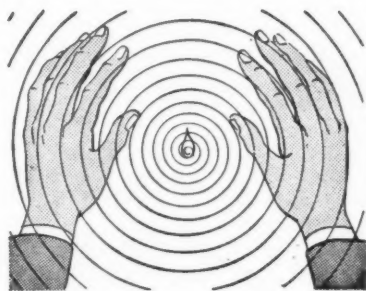
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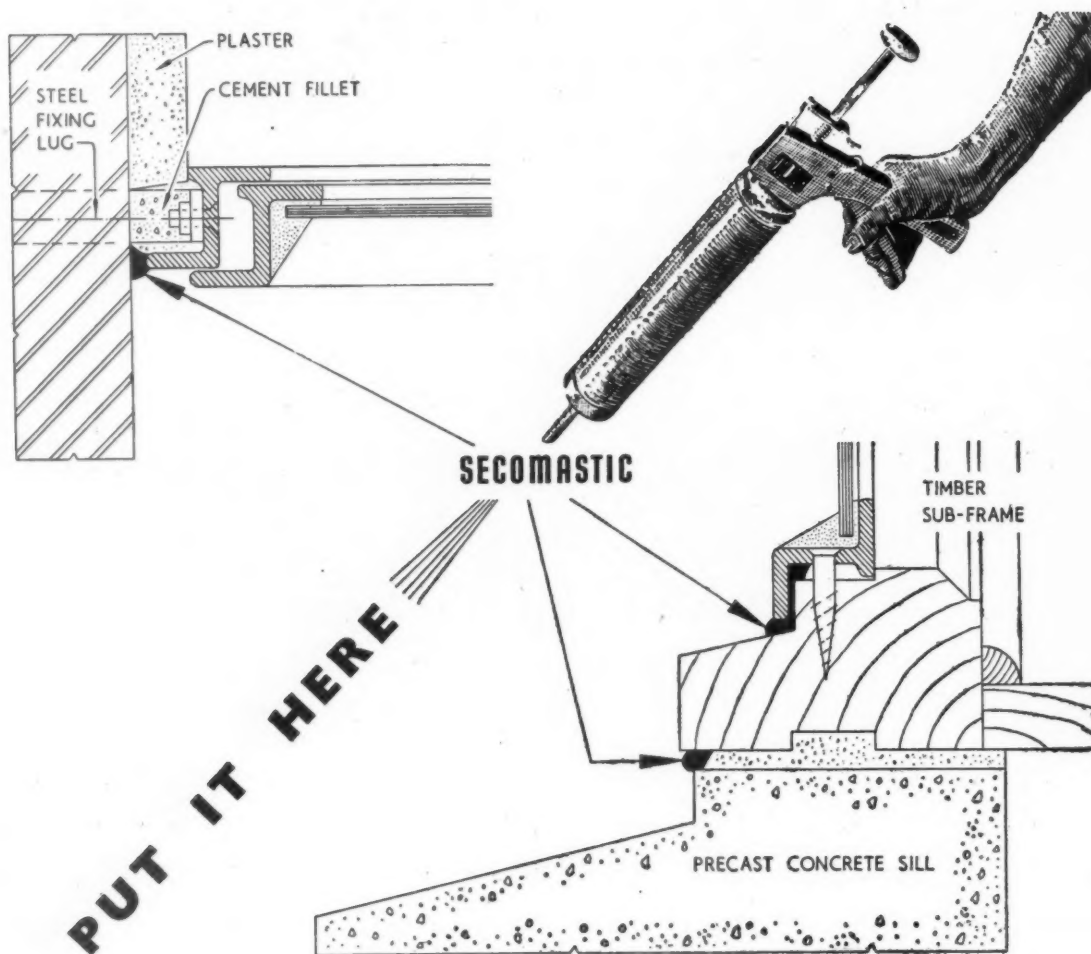


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Bedding sills and water bars.
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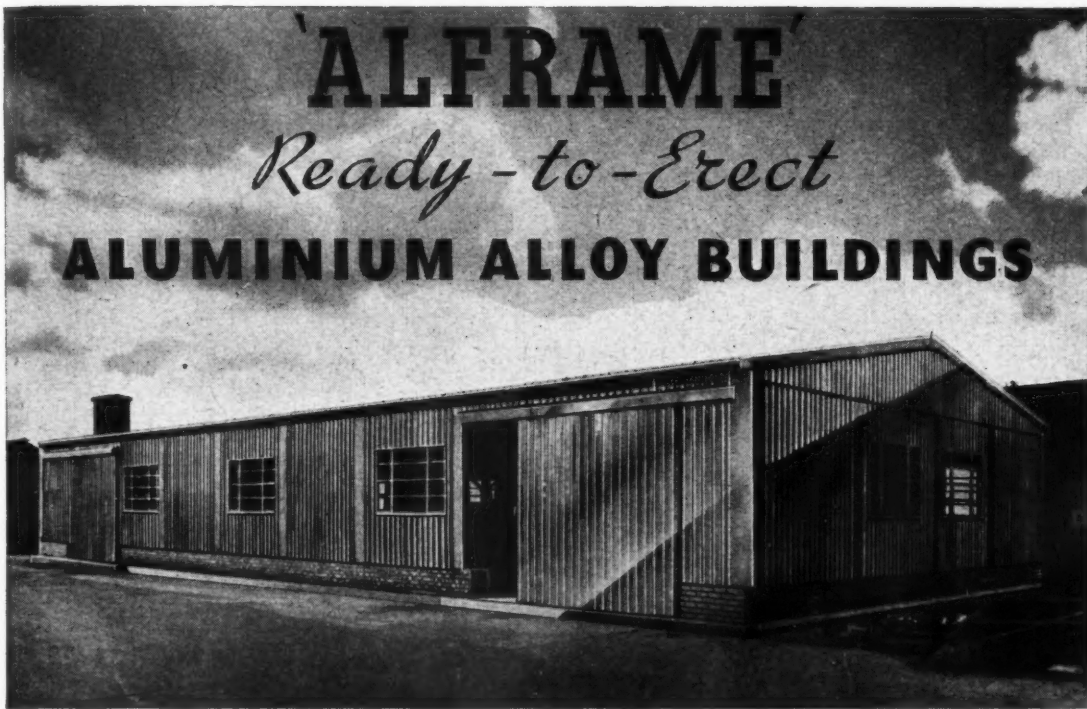
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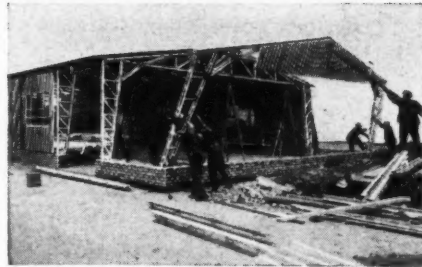
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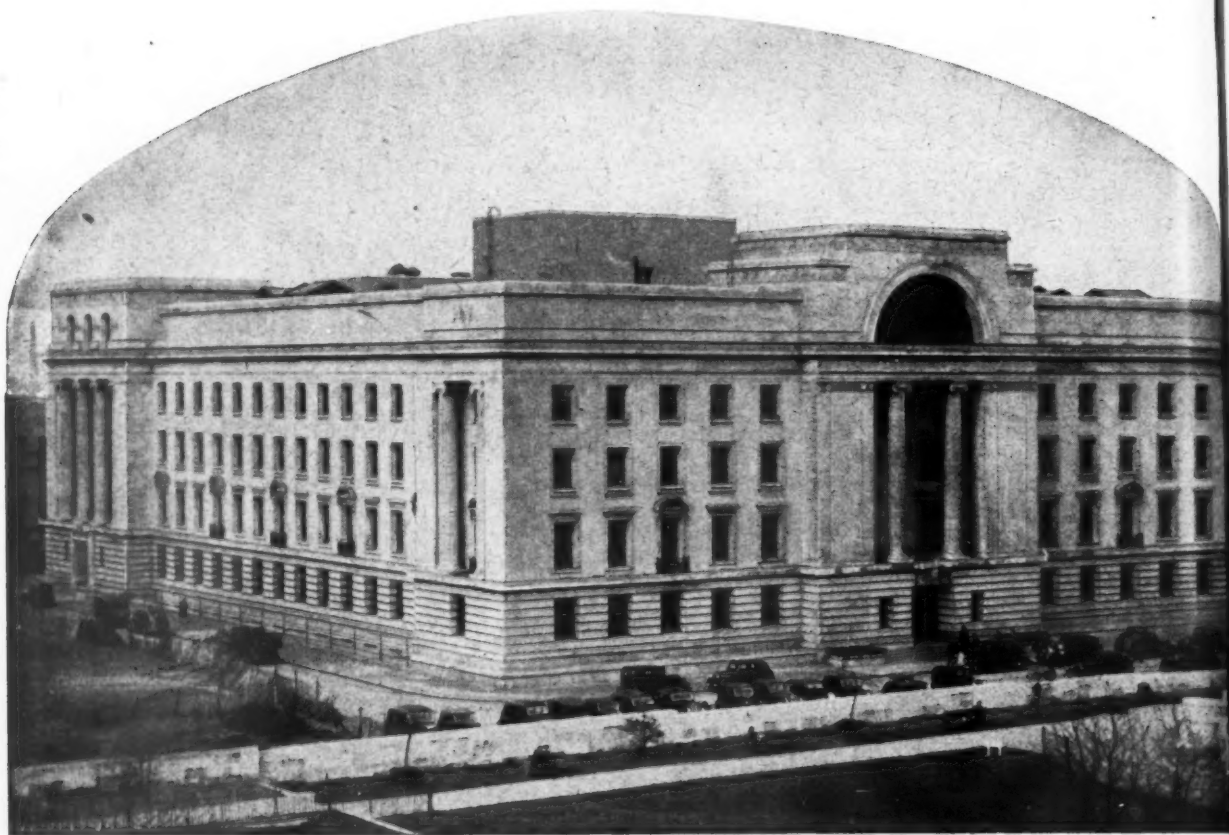
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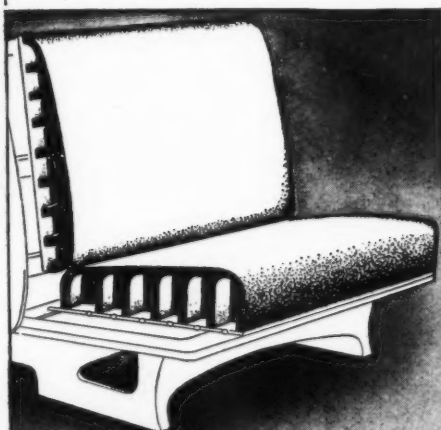
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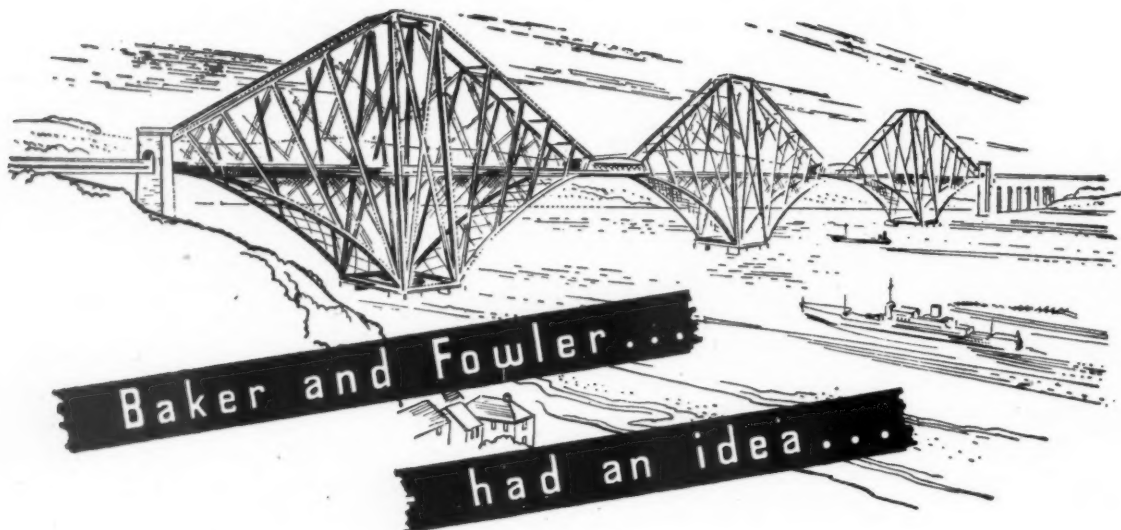


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Brickwork opening required, 44 in. high by
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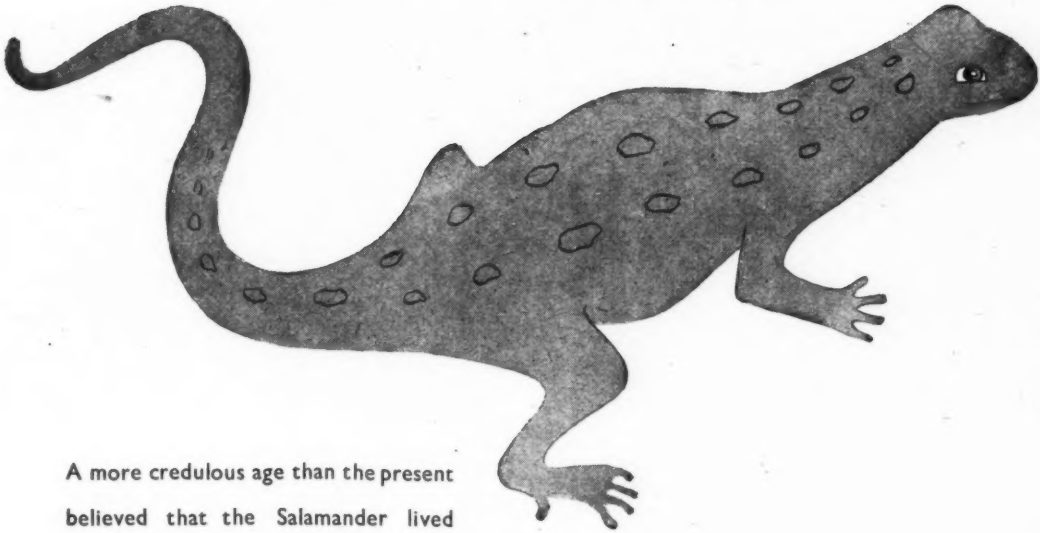
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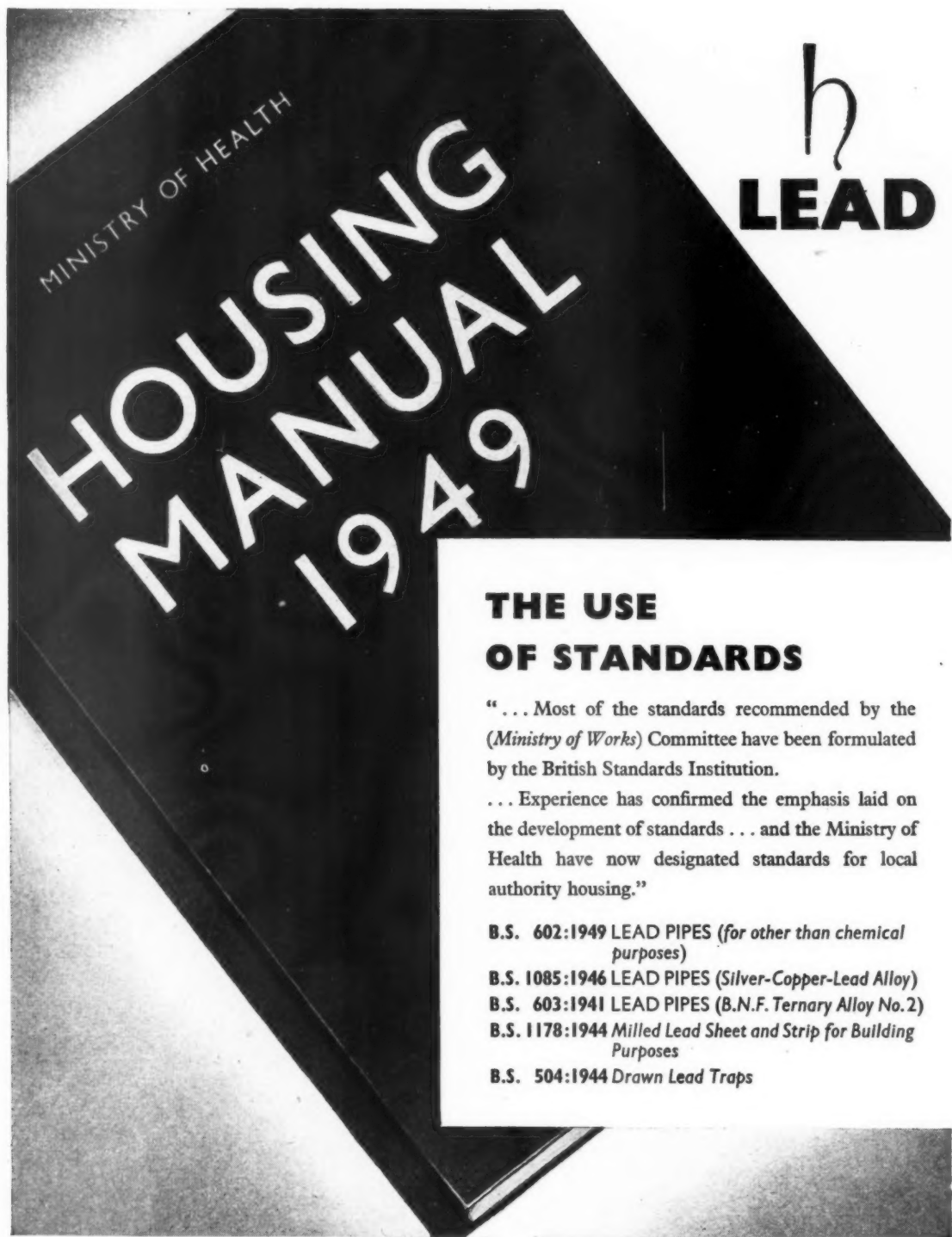


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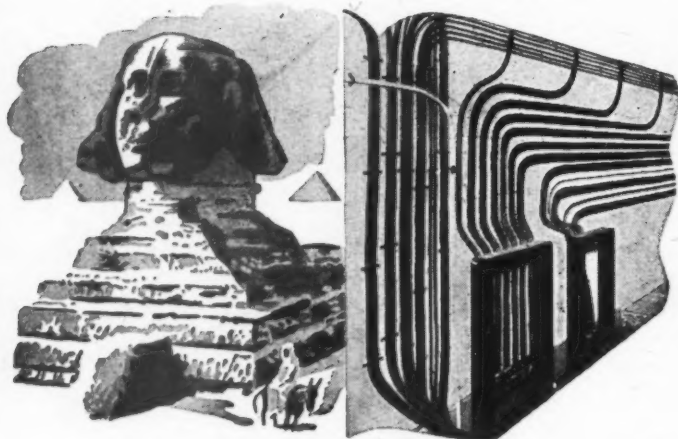
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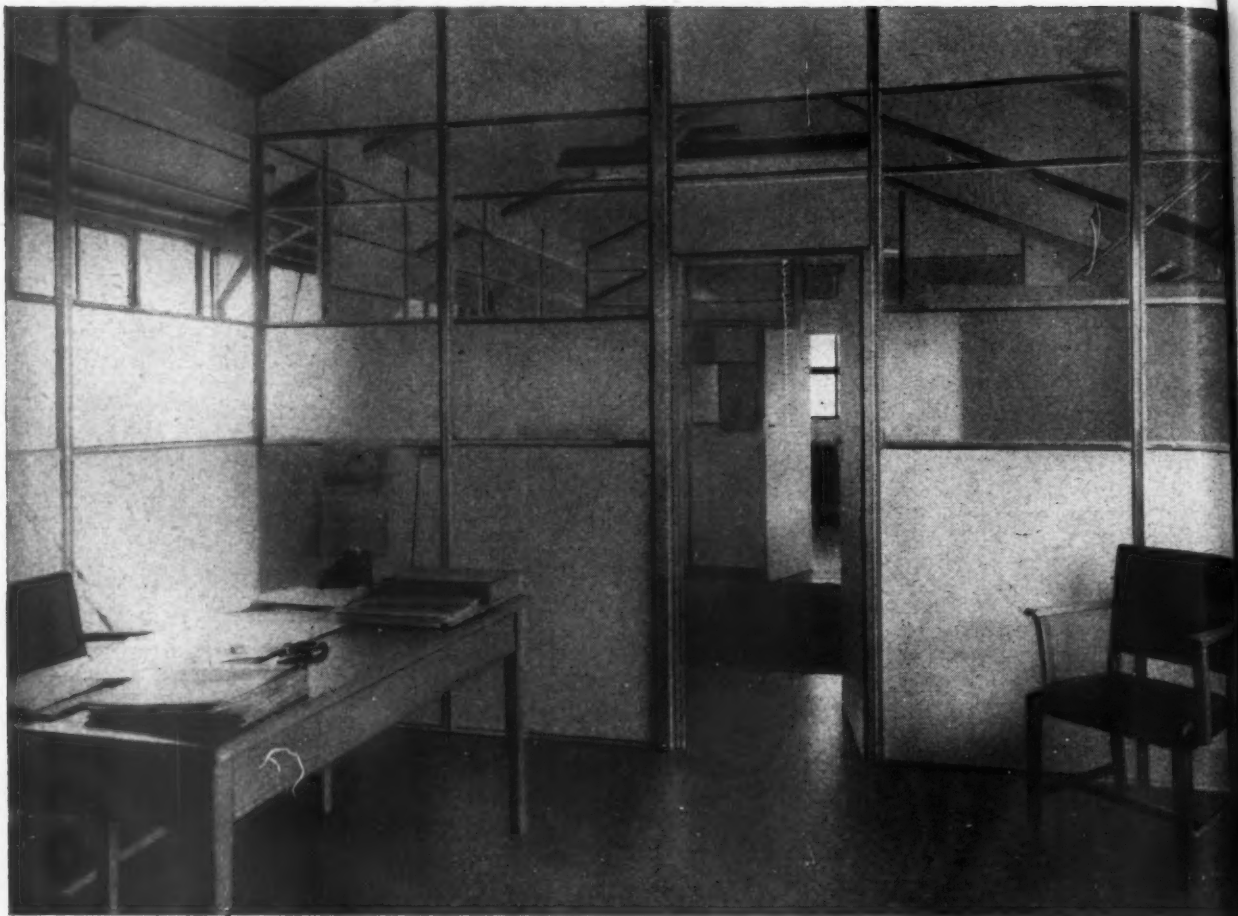
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PLIMBERITE is a board manufactured from wood chips, possessing the general characteristics of natural timber, can be worked by using standard tools and techniques and is obtainable in sheets of 8 ft. by 4 ft. in two thicknesses, $\frac{1}{2}$ in. and $\frac{3}{4}$ in.

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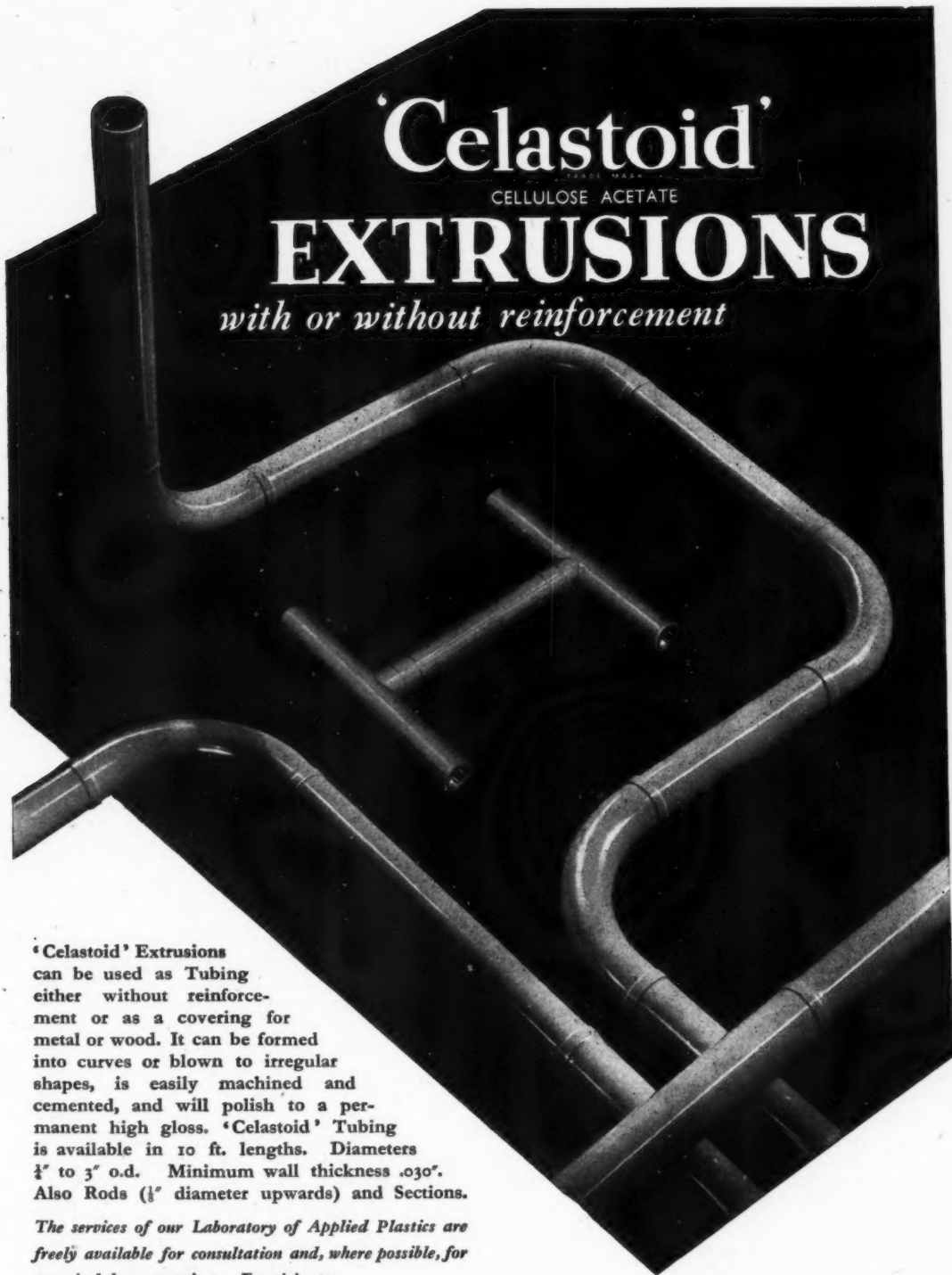
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THE ARCHITECTS' JOURNAL

No 2887 8 June 1950 VOL 111

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THE SIX INCH DROP

Last week I mentioned that one of the economies in house building recommended in the Girdwood Committee Report was the reducing of ceiling heights to 7-ft. 6-in. The Report says that this move would save £15 or £20 per house and improve design and that it has the support of the Minister of Health himself. This suggests that the technical Press does give architects a chance to exert some influence; it was about two years ago that letters appeared in the JOURNAL from several readers who asked for such a reduction. One pointed out that the 8-ft. by-law had been instituted during the last century as a misguided attempt to reduce the numbers of sufferers from tuberculosis. The attempt was misguided because the experiments of a Swedish window firm had shown the air

between window-head and ceiling to be dead, motionless stuff and that, therefore, since windows rarely reached the ceiling, the 8-ft. minimum was senseless. It seems that this important point has almost been won. Architects can force the matter to an early conclusion by pressing for waivers until the by-laws can be amended.

THE ARCHITECT'S EDUCATION

The education of the architect has been a fairly regular topic at AA meetings for the last year or more. Last week's effort (jointly arranged by the students and the school) went back to the public and secondary schools to find out if the training was an "adequate preparation for a career in the fine or applied arts." ASTRAGAL, who was educated (if at all) in an age when any interest in the visual arts was considered a bit odd, was amazed and delighted at the tolerance of the headmasters of Bryanston and Bradfield. Thirty years ago their opinions would probably have secured their instant dismissal by the average board of governors. But if our public schools have got this far things are by no means as bad as they sometimes seem.

In general, an amusing and quite instructive evening was had by all at the AA discussion. The general verdict seemed to be that secondary education, which had its limitations outlined by John Newsom, the Education Officer of Hertford, should be little more than an eye-opening process; that you should show the horse where the water is, suggest that it's good when he gets thirsty, but refrain from rubbing his nose in it.

When I remember those awful Saturday afternoons on which I was shown

the difference between E.Eng. and Perp., this system seems to me to be about right.

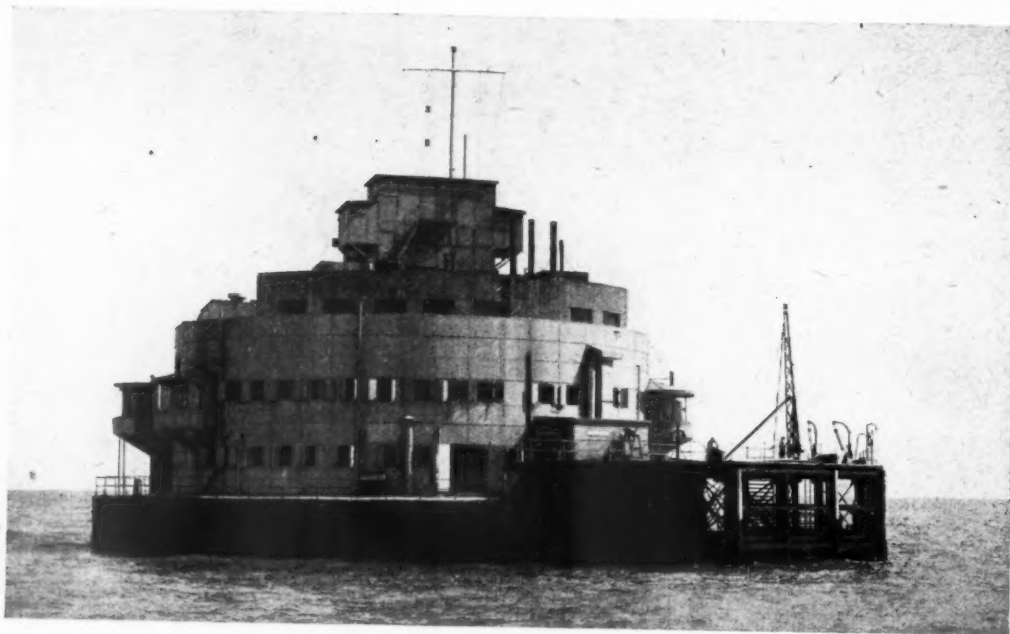
My only grumble is that hardly any students speak on these occasions. Shyness? Modesty? I know it's rather like the cold plunge at the Turkish bath, but quite a lot of older members go to these shows because they really want to know how the student mind is working. Could the student find the courage to tell us, please?

GOING TO SPAIN?

If you meet anyone who is in the habit of taking his holidays abroad and ask him where he is going this year, the odds are that the answer will be Spain. I don't know who is responsible—I suspect it's Yerbury—but the fact is that Spain has suddenly become re-attached to the continent of Europe.

The other day for a change I met someone who had just returned from Spain, Marcus Whiffen. He had gone by car and covered about 750 miles of the northern part of the country (Gerona - Barcelona - Saragossa - Valladolid-Leon-Burgos-Pamplona), and remembering the prospective Spanish travellers among AJ readers I asked him what would be his advice to anyone contemplating a similar tour.

"The first thing," he replied, "is to decide what you want to see and plan your itinerary accordingly. The second thing is to cut that itinerary by at least a third. You might just as well do that before you leave England; in any case you will have to do it when you reach Spain owing to the high cost of living. The Spanish main roads are magnificently engineered—every corner is



NO RUST
on HOPE'S
HOT-DIP GALVANIZED
WINDOWS
after seven years at sea

HOPE'S HOT-DIP GALVANIZED WINDOWS WERE INSTALLED IN THIS SEA FORT IN 1941 AND WERE NOT PAINTED UNTIL 1947, BUT THE PROTECTIVE COAT OF ZINC IS STILL IN EXCELLENT CONDITION

HENRY HOPE & SONS. LTD., SMETHWICK, BIRMINGHAM & 17 BERNERS ST., LONDON, W.1

properly banked and hills are negotiated with a proper attention to gradients—but their surface is far from magnificent; as for the secondary and tertiary roads, they can be appalling. And it's worth remembering that the Spanish dust hasn't been laid yet."

*

The importance of taking the best available maps was another thing he stressed: the Spanish peasant is generally willing enough to help when asked the way, but he lives in a small world and is not always able to do so. It is also wise to take plenty of biscuits, because Spanish meal-times (lunch at 2 and dinner any time between 9 and midnight) are not immediately agreeable to the English stomach—while to try to buy food for picnics in Spain is the surest way of overspending your currency allowance. In general, food in Spain is anything but cheap; on the other hand most hotels will quote *en pension* terms for as little as a single day.

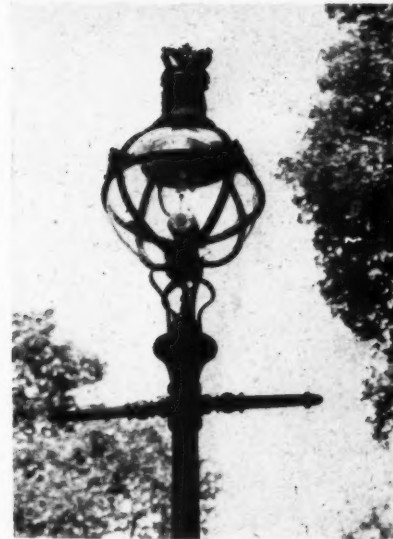
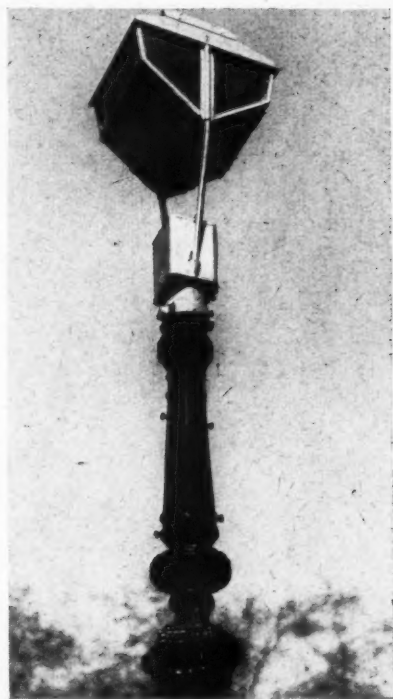
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"Finally," said Whiffen, "there is the language problem. If you don't know Spanish, you must take a phrase book and a pocket dictionary. Don't imagine that French will see you far in Spain: it won't see you much farther than the bedroom of your Barcelona hotel. And Spaniards are appreciative of any attempt to speak their language, however absurd it may sound to the speaker. Remember that in Spain, in 1950, you are not a tourist: you are a foreigner. That is one of the charms of Spanish travel."



WATER RALLY

Since the nationalization of canals, the Docks and Inland Waterways Executive do not seem to have accomplished much apart from division of the waterways into four quite arbitrary areas. Indeed, the old conflict between rail and water is going on still, in spite of



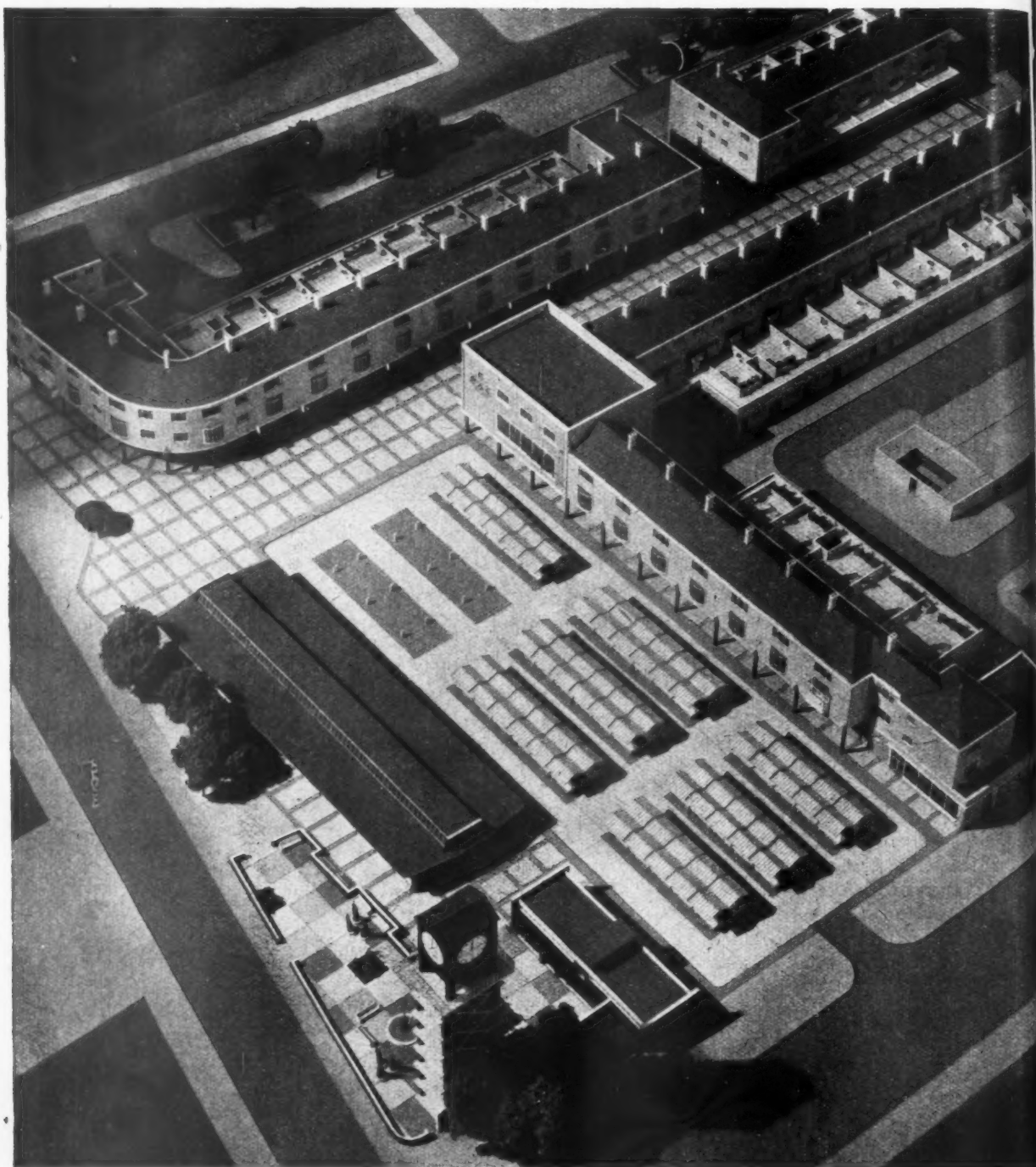
Yet another example of the deterioration in quality of contemporary designs for street furniture is shown above. Top left, one of the many old designs for lamp standards in Hyde Park. Top right is a new pattern lantern which has been fitted by means of an extension sleeve to the original standard. The result may be more efficient in its task but is quite incongruous. Above, left, is another early design in Birdcage Walk, and right, an example of the old globe pattern which, incidentally, was made by William Sugg of Westminster the firm which today makes the contemporary design shown above.

nationalization. And in this conflict the canals always come off the worse. A case in point is the recent raising of tolls on coal-carrying on the Staffordshire and Worcestershire canal, which has forced the suspension of all movement of traffic, and may lead to yet another case of wasteful dereliction and abandonment.

*

But the Inland Waterways Association

is as lively and vigilant as ever. Already, in its three years of life, it has done a great deal to expose and hinder this peculiar sabotage of the waterways, with its sordid tradition of at least 100 years' standing. A sign of the Association's continuing activity has come to me in the form of a nicely laid out poster, decorated with a woodcut by Barbara Jones, reproduced as a head-piece to this note, together with a



The Lansbury Neighbourhood

This model of the replanned Chrisp Street Market, which is to be included in the development of a neighbourhood named Lansbury, part of the LCC's long-term scheme for the comprehensive redevelopment of the Stepney-Poplar Reconstruction Area, was designed by Frederick Gibberd. The Lansbury unit, which will cover an area of thirty acres, and will take the form of a "live architecture" exhibition for the Festival of Britain, has been planned in the Town Planning Division of the Department of the Architect to the Council, Robert H. Matthew, under the planning officer, Arthur Ling. As a result of damage by bombing, the population in the Stepney-Poplar area dropped to less than half of the pre-war figure, although it has risen slightly since. It was considered desirable

to avoid a return to pre-war congestion on this site, and in view of the general problem of decentralization in London as a whole, it was felt that a reduction to 42 per cent. of the pre-war population of the reconstruction area was the maximum which could be achieved. This degree of decentralization corresponds to a density of 136 persons per acre. This is the density proposed for all neighbourhoods in the Reconstruction Area, including Lansbury. The replanning of Chrisp Street Market was carried out after a study had been made of the traditional form of English market place. Local traders were in full agreement with the change from a street market to a market square. Other sections of the Lansbury Scheme will be illustrated in next week's JOURNAL.

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brochure, which advertise a water festival and rally to be held at Market Harborough on the Grand Union canal from August 14 to 19. "The main object of the Festival," says the brochure, "is a demonstration of the still neglected potentialities of British waterways for both commercial and pleasure traffic." The event will be "the first event of its kind ever planned." If this trial Festival is successful, "it will be repeated in 1951 and prominently featured among the attractions of the Festival of Britain."

*

Boats of all kinds will gather in the floodlit canal basin; there will be awards for appearance and performance of craft, drama at the Assembly Rooms, three exhibitions, a showing of the excellent documentary film, *Painted Boats*, a lecture by Peter Scott, fireworks and a Grand Ball.

*

Of special interest to architects will be the places of interest in the neighbourhood, which have been listed by Robert Aickman, the chairman of the Association. These include the deserted village of Faxton, accessible only by grass tracks; a fine church and 18th century bridge at Fotheringhay; Rockingham village, with its main street lined with lawns and flowers; Kirby Hall; the unspoiled town of Stamford; an ancient turf-cut maze at Wing; and, above all, the Spencer monument at Great Brington.

MORE FORMS TO FILL

Those readers who are direct subscribers to the JOURNAL will have received an invitation to design their own version of the ideal architectural weekly. The editors have asked me to thank the many who have already sent in their suggestions and to remind those who have not done so that an early reply will help enormously the analysis of the proposals. I have been also asked to extend an invitation to all those who have not received the form to send in, nevertheless, their suggestions for the features they would like to see in the JOURNAL, and the proportion of space to be allocated to each. I know, from my own correspondence, that there is no need to ask you to be quite frank in your comments.

ASTRAGAL

The Editors

THE GIRDWOOD REPORT

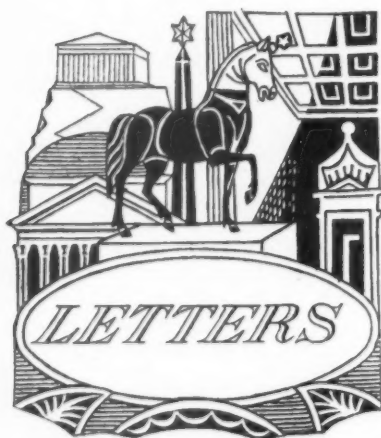
THE Girdwood Committee has done a useful job in bringing us back to earth on the high cost of house-building. Their report, just published, makes grim reading, and it affects everyone as a very important section of the inflationary spiral. The facts disclosed are not conducive to complacency and, even with a 30 per cent. subsidy from the taxpayer, the tenant's outgoings in rent and rates on the average are topping £1 per week for the three-bedroom house. When the war ended everybody concerned had high hopes for the future; houses were going to be bigger, better equipped and more convenient. Standards of amenity were reviewed by technical and professional committees, and recommendations were made in which we can take pride as models of their kind. Unfortunately the cost of all these refinements was not considered with the same enthusiasm and the Girdwood Committee does a service in showing all too clearly where we stand.

What is to be done about it? And, in particular, what is the architect to do? Following closely on the reports of the building industry working party and the American productivity team it is clear that something needs to be done, and the sooner the better. The architect must break the ice if he is to remain the leader of the team.

The Girdwood Committee make it abundantly clear that the things which have to be paid for are size and elaboration. We in Britain have often remarked that continental standards of space in dwellings are inferior to ours. This has been said even of countries like Sweden and Switzerland which enjoy a very high standard of living. The continental architect remarks that all the space in his dwelling is habitable and useful throughout the 24 hours. There is food for thought here, and surely the first line of attack is the elimination of useless space in our houses. To avoid elaboration it is necessary to be consistently ruthless in questions of detail, and to review all alternatives when specifying with an eye to their cost. To reduce cost the first thing is to study cost, and if we can all become cost conscious the result should be salutary. The Committee shows only too plainly that there is no royal road to economy and, just as with our personal budget, we cannot have everything we would like to have; we must look at every item of expenditure and make sure that we get real value for money.

While a heavy responsibility rests on the shoulders of the architect it is only fair to note that the productivity of labour is estimated by the Committee to be still far below the pre-war level. Taking account of many technical improvements and an appreciable increase in the use of machinery on housing sites, this is clearly an unsatisfactory state of affairs. At present wage levels, a return to pre-war productivity should yield a saving of £80-£90 per house and this would be by far the largest single item of economy which could be found.

The list of possible economies suggested by the technical officers of the Ministry of Health is a useful starting point. And although it seems that the road we have to follow is a hard one and, unfortunately, a very dull one, we can surely enliven the journey by a brisk interchange of ideas. The JOURNAL is certainly prepared to play its part and we suggest that readers might like to contribute their own ideas on this question of achieving economies.



R. A. Jensen, F.R.I.B.A.

Thomas O.M. Upfield

D. A. Cull, A.R.I.B.A.

New Towns

SIR,—Inspired by comments made in a recent broadcast regarding the need for the early realization of the new town's programme, I have felt impelled to write on this particular matter, and, at the same time, to ventilate a number of other related points of equal importance on which there appears to be at the moment either a conspiracy of silence or a good deal of irrational thinking. The lay public especially appear to be completely unaware of the drift that is taking place and the complete absence of constructive solutions to many of these problems. It is up to the profession to give a proper lead.

Apropos the new towns, it will be widely known that a lengthy departmental circular has recently been published detailing the procedure to be followed in due course when movements of population take place into new and expanded towns. On a number of vital points, however, the circular is not particularly informative, and attempts to obtain specific information as to when it may be anticipated that such population movements would take place, and the numbers which might be involved, from the "sending" areas, have not yielded much more information. It is clear, however, that the whole process of dealing with London's overspill is expected to take between 15 and 20 years. In the meanwhile, the stages in this process are to be:—

(a) A survey of industry in inner London in order to ascertain which firms desire to move; (b) the planning and erection of the necessary factory accommodation in the new towns (by no means as brief a process as would appear); (c) through the medium of

the Ministry of Labour, invitations will then be made for the necessary employees; (d) those employees who are interested and volunteer will take up their residence in the new towns.

If this matter is considered seriously it is apparent that these preliminaries will take anything up to ten years; and, recognizing the fact that many of the families who may ultimately move will not, in any event, be on an inner London housing waiting list, the slight relief then afforded to the metropolitan housing situation will be too late to remedy in any way the present very serious housing situation.

To give further stress to this point, it may be recalled that a nation-wide rationalization of the housing waiting-lists was ordered in March, 1949. This research was likely in any event to have given information of limited value, but it is significant that, as yet, there has been no inclination to reveal the overall figures, which must be staggering. Instead, it is now proposed to make a special housing survey throughout the country—a proposal which could have been initiated five years ago as being the only means by which a reasonably accurate picture of housing need can be assessed. Only in very rare cases have such surveys been carried out locally, and otherwise everyone is completely in the dark as to what houses are, in fact, required. Had there not been the enormous gap between supply and demand, this position could not possibly have been allowed to continue without clarification.

It is feared that when the truth is finally known as to the real housing requirements it will force a complete revision of many hitherto widely-accepted ideas, particularly with regard to implementation relating to overspill problems of the Greater London and the County of London Plans. While having the greatest admiration for the work done by all concerned on the plans already referred to, it seems inevitable that, due to economic circumstances and to the time which has been allowed to elapse without concrete action, in many respects they are now quite impracticable, inasmuch as they cannot possibly solve the immediate problems within reasonable time. It is becoming evident that a shorter term programme will have to be accepted, and one in particular which deals realistically and speedily with the problems that confront us. It is clear that the new towns are not going to be in a position to assist the inner London housing problem in less than a generation, and equally important, in order to avoid a furtherance of the desecration which is taking place in London's Green Belt, there appears to be no other possible alternative but an increase in density for the inner London residential areas on the Corbusier pattern. This will result in taller buildings, and will require a complete overhaul of the London Building Act and fire regulations; but, since these statutory requirements are, in any event, hopelessly out of date, it is high time that this was done. This solution would at the same time obviate the theoretical but quite impossible reduc-

tions of population which have been envisaged in some of the London boroughs in order to create additional amenity open space; as, for example, one case in which it is intended to reduce the population of a borough of 130,000 by 50,000 when the London County Plan is fully implemented—and this at a time when there is a housing waiting-list representing something like 30,000 people.

R. A. JENSEN.

Pinner.

Housing Costs

SIR,—One can see that in the endeavour to reduce the building costs of houses little has happened to the design of houses during the last 100 years, except for variations in elevational treatment, a few improvements to fittings, and a considerable reduction in cubic contents, to the detriment of accommodation, the latest being the development of the dining recess in the living room and the proposed reduction of floor heights from 8 ft. to 7 ft. 6 in.

Is it not time we got down to the planning of living accommodation on a scientific basis and designed each room for what it was to be used for, with everything built in except the pots and pans. Built-in beds with foamed rubber mattresses (I refrain from advertising!) and drawers underneath, and fitted wardrobes at head and foot; built-in feeding accommodation; built-in living room furniture and fittings—in fact, everything planned like a yacht on a basis of, say, 320 cu. ft. per person. A company might be floated calling themselves "Fitted Homes Ltd."

The only snag I can see is that the furniture people might view the idea with a somewhat jaundiced eye, but this would be merely a matter of adaptation.

THOMAS O. M. UPFIELD,

London.

Salisbury Cathedral

SIR,—My wholehearted congratulations to Astragal and his apt comments on Salisbury Cathedral. I am sure that the appeal for funds with which to carry out repairs to the spire and other structures, recently launched by the Dean and Chapter of Salisbury Cathedral, will draw large crowds of visitors this summer, and I only hope their impression will be more favourable than my own.

On a recent visit I was appalled by the intrusion of a "gatecrasher" into the Close, which had, so far, been well preserved; but other shocks were to follow. The interior of the cathedral had been marred beyond all reason by grotesque loud speakers, blatantly advertising the name of the firm supplying the instrument, with bold lettering around the bell of each speaker. How many visitors would realize that these had been installed as temporary amplifiers for special services and musical festivals? In any event, a cathedral is not, surely, the place to shout one's wares, if only temporarily. And the adverse effect on an architectural monument is totally inexcusable.

Whereas I wish the Dean and Chapter every success in their appeal, I feel that visitors will not come to look at the spire only, and that unless the full dignity of the cathedral is maintained the appeal is bound to suffer.

D. A. CULL.

Bournemouth.

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



FOB

Plans for Battersea Pleasure Gardens

The Festival of Britain authorities claim that the Festival Pleasure Gardens in Battersea Park, plans of which were revealed for the first time to an open meeting of Battersea Town Council on May 26, will recapture some of the past glories of Cremorne Gardens, once a feature of London life across the river in Chelsea, and will rival the best to be found at the noted Tivoli Gardens at Copenhagen.

The Pleasure Gardens are planned to occupy a reserved area of about 37 acres (about one-fifth of the total area of the park) at the centre of the riverside edge of the park, for about one-third of its length, and reaching south to the bandstand towards the centre of the park. This reserved area is well provided with trees and shrubs and the natural contours lend themselves to suitable development. Entrances (with turnstiles) will be:—from east and west on the main carriageway which runs parallel with the river; from the new pier and landing stage to the east of the area; and from two other points on the south side.

The Gardens will be laid out in a number of main areas; the Main Vista, the Centre Garden, the Riverside, the Main Promenade, the Amusement Park, the Children's Section, etc., all sited in balanced relation to each other and planned to harmonize with the existing trees and general character of this lovely London park.

It is stated that every attention will be given to landscaping and every opportunity will be

taken to emphasize the natural characteristics of the park. Flowers and flower beds will be sited in as many places as possible, and shrubs and climbing plants will be used as part of the treatment of many of the buildings. Three areas, however, will have special attention: the Riverside strip which will be planned with formal flower beds and fountains; the Main Vista where, in addition to the architectural treatment, trees, shrubs and flowers will play an important part; and the Centre Garden.

The Main Vista will comprise a large paved courtyard entered by steps and terraces from the Main Promenade and bounded by pavilions housing a variety of features as well as cafés, arbours, etc.; a large ornamental lake with fountains and other water displays and culminating at the southern end in a special architectural feature part of which it is expected will be a spectacular fountain display. Also at this end of the Vista will be a firework stage. The Main Promenade will be the existing carriageway. It will serve as the "feature shopping centre" on either side of which there will be gaily designed shops, display cases and pavilions. It is hoped that open carriages, i.e., "Victorias" will ply for hire along this promenade and along other routes in the Gardens. The entire south-west corner of the reserved area will be devoted to the Amusement Park. Its entrance, from the Main Promenade, will be marked by a gaily designed "piazza." Part of the Amusement Park, near the ornamental lake, will take the form of an old English fair.

Restaurants, cafeterias and snack bars will be conveniently sited throughout the Gardens. Special features will include a de-luxe restaurant, a Continental café and a rustic tea house. There will be three beer gardens. There will also be small kiosks where soft drinks, ice-creams, etc., will be readily obtainable.

A plan of the Pleasure Gardens layout appears below.

AA

Council Election results

The results of the election for the officers and council of the AA for the session June 1, 1950, to May 31, 1952, was announced last week. The results are as follows:—President, S. E. T. Cusdin, vice-presidents, Anthony M. Chitty, A. R. F. Anderson; hon. secretary, the Hon. Godfrey Samuel; hon. treasurer, Bryan Westwood; hon. editor, Frederick MacManus; hon. librarian, Peter Shephard. Ordinary Members of Council: G. A. Atkinson, W. W. Atkinson, J. M. Austin-Smith, Henry Braddock, D. Clarke

Hall, G. I. Goulden, Cyril S. Maddall, Anthony Pott, Miss Barbara Price, J. M. Richards, Hilton Wright.

CID

Competition for Ship Chair Designs

Entries are invited in a competition for ship chair designs, sponsored by the Scottish Furniture Manufacturers' Association and organized by the Scottish Committee of the CID. A member of the Association has offered £100, to be awarded in prizes of £25 each, for the best designs of ship lounge, dining saloon, smoke room and writing room chairs. The competition is restricted to furniture manufacturers in Scotland.

Finished chairs in prototype should be submitted for judging and the design, construction, detail finish, workmanship and material will be the main points considered. Price will not be the primary consideration.

Intending competitors are invited to submit entry forms by Friday, June 30, to the Competition Secretary, CID, Scottish Committee, 365, Sauchiehall Street, Glasgow.

RIBA

Discussion on Planning Act

At the RIBA general meeting on Tuesday, June 20, following the announcement of the council election results, there will be a discussion on the working of the Town and Country Planning Act, 1947. This discussion is to enable architects to give their experience of the working of the Act to date.

The Act will be considered under three broad headings, and a speaker will be chosen to initiate each section. The three headings are: The development charges; the operation of the Act as it affects the architect; and the operation of the Act as it affects the planning authority. The president will be in the chair, and Professor W. G. Holford will direct the discussion.

IRELAND

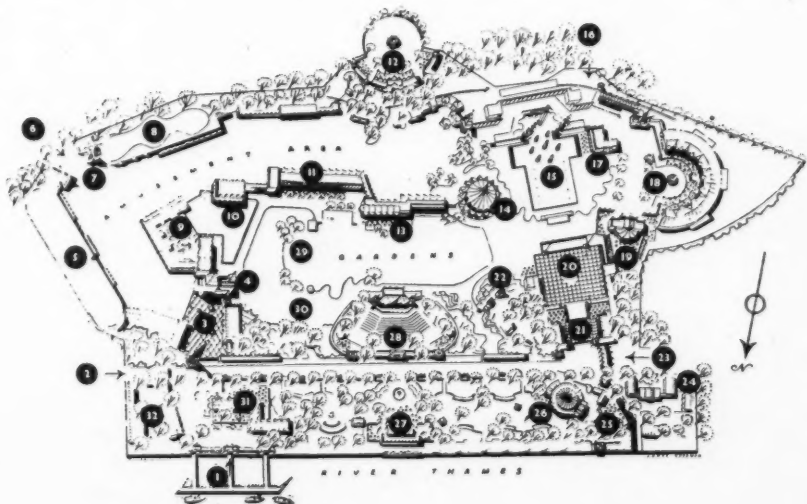
US to provide statue in Wexford

A committee has been appointed by President Truman to implement the US Congress reso-

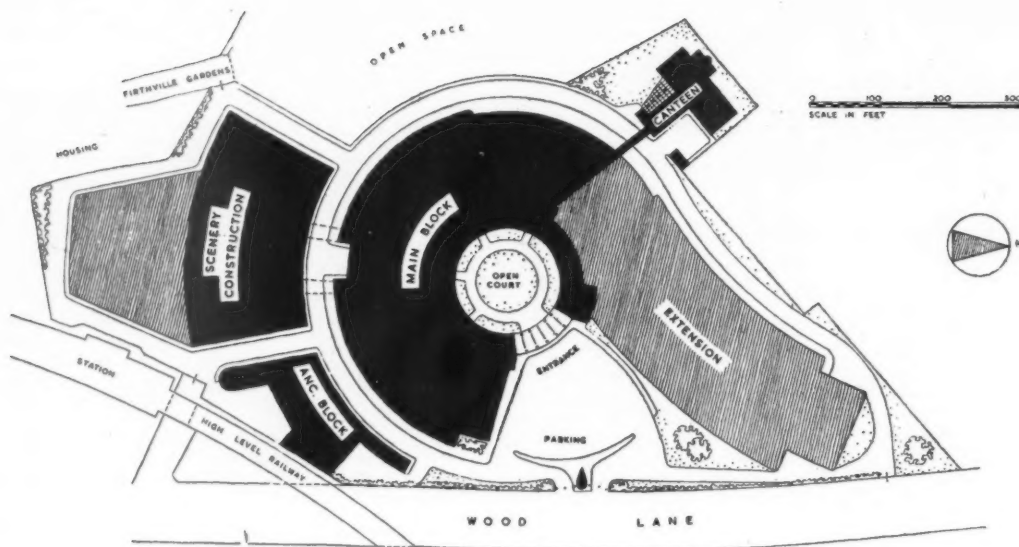
Plan of Festival Gardens, Battersea.

KEY

1. River Landing Stage
2. East Entrance.
3. Concourse.
4. Fun House.
5. Roller Coaster Railway
6. South East Entrance.
7. "Emmet" Railway Station.
8. Roller Coaster Railway.
9. Beer Garden.
10. Boating Pool.
11. Cafeteria.
12. Bandstand and Café.
13. Garden Restaurant.
14. Dance Pavilion.
5. Main Vista.
16. South Entrance.
17. Café.
18. Popular Restaurant.
19. Beer Garden.
20. Concourse and Stage.
21. Cafés.
22. Tea Garden.
23. West Entrance.
24. Administration.
25. Restaurant.
26. Theatre.
27. Tea Pavilion.
28. Concert Stage
29. Flower Garden.
30. Children's Area.
31. Cafeteria.
32. Canteen.

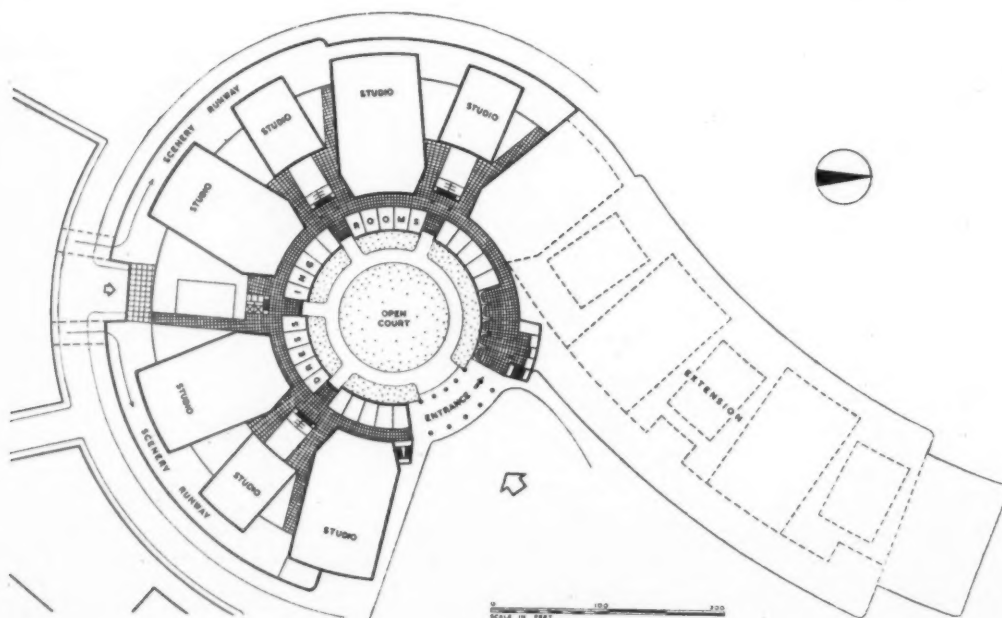


DEVELOPMENT FOR TELEVISION OF THE B B

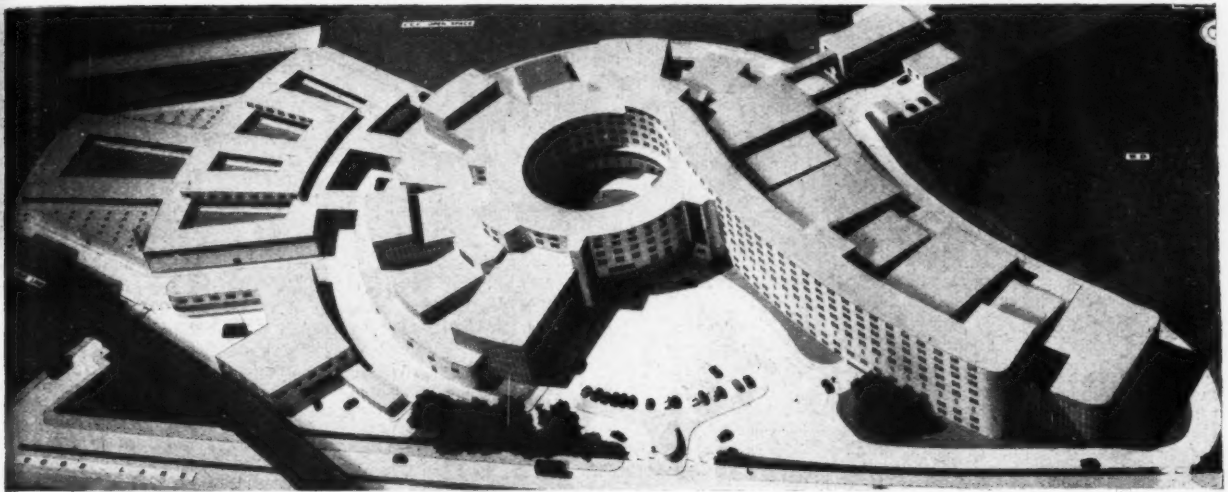


Since before the last war the BBC has sought a suitable site in London on which to build permanent studios and ancillary accommodation for television, because those at the Alexandra Palace are inadequate and the lease of the premises expires in

1956. In 1947 the Corporation decided that the White City Exhibition site was the most suitable, although subsequently it was discovered that the whole area had been allotted for housing by the LCC. After further negotiations the BBC has been



T H B B C W H I T E C I T Y S I T E , S H E P H E R D ' S B U S H



permitted to acquire approximately 13 acres of the site, half of which is to be devoted to television services. After the original intention to institute a planning competition had been abandoned, the BBC invited the President of the RIBA to submit names of architects considered suitable and from the recommendations received the Corporation chose Graham Dawbarn (Norman and Dawbarn) to work in association with M. T. Tudsbery the BBC's civil engineer. The design, which was submitted and approved early this year, is shown as plans and

model photographs on this page and opposite. On the lower floors of the "ring" there will be artists' reception areas, dressing rooms, etc., which will be easily accessible to two studios 75 ft. by 120 ft. by 45 ft. high, two studios 75 ft. by 120 ft. by 45 ft., and three studios 70 ft. by 50 ft. by 35 ft. The scenery runways at the outer ends of the studios will be large enough to take units 25 ft. by 15 ft. by 25 ft. high. It is hoped to complete the scenery block by the end of 1952 so that it can be used by the temporary studios at Lime Grove.

lution for erection in Ireland of a statue of Commodore John Barry, Wexford born founder of the US Navy. The statue is to cost 40,000 dollars.

The American Ambassador in Dublin asked the Irish Government for advice as to where the monument should be erected. The Irish Government wished the statue to be erected in Wexford. A committee of architects is to co-operate with Wexford Corporation in selecting the site.

he was elected president of the Society at its annual general meeting at 7, College Square North, Belfast, recently. At this meeting, J. M. Aitken was elected vice-president and F. McArdle and A. Neill were elected hon. treasurer and hon. secretary respectively.

CORBY

Appointment to Development Corporation

The Minister of Town and Country Planning, Hugh Dalton, has appointed the following as members of the Corby Development Corporation:—*Chairman*, Henry Chisholm, formerly a director of the Metal Box Co. Ltd., and now managing director of Cossor Ltd.; *vice-chairman*, Lord Douglas of Barlough (formerly Governor of Malta); *members*, A. V. Easton, Mrs. Kerlie, A. J. Martin, J. I. Piggott, J. Wallace and W. Young, member of the Northamptonshire County Council and Branch Secretary of the British Iron, Steel and Kindred Trades Association.

CPRW

Cost of Preserving Rural Wales

The annual report of the Council for the Preservation of Rural Wales shows that in spite of the financial help it has received during the past year from the Pilgrim Trust and the Council for the Preservation of

Rural England, it will not be able to continue operations on a nation-wide scale without a substantial increase in the number of subscribers. The council has set up an informal committee with the Forestry Commission to consider questions of general amenity and appearance which will arise from the commission's aim of planting 800,000 acres in Wales, chiefly with conifers. While the CPRW believes that afforestation schemes "within reason" and "sympathetically conducted in certain selected areas" can be of advantage to Wales, the commission's large-scale planting programmes are causing it some anxiety.

It has consistently urged the replanting of the "thousands of acres" of felled woodlands in Wales before fresh land is taken, but during the four years 1946-49, only 4,200 acres in Wales have been replanted. The figures for Scotland and England for the corresponding period are 14,500 and 20,100 acres respectively. Since land above 1,500 feet is rarely used and the total acreage of Wales is 5,074,191, forestry problems in the country are "very real."

As a contribution to the Welsh part in the Festival of Britain, the CPRW has plans for giving assistance and technical advice to encourage the planting of native trees by local authorities, schools and institutes, as well as individuals, but, without financial assistance it "can take little part in any constructive effort."

The report refers to the long delay in making known the findings of public inquiries into Service holdings of land in Wales. Twenty-six months have passed since the inquiry into the retention of Castlemartin, in Pembrokeshire, and still there is no indication of a decision. Neither have the findings of last year's inquiry into the application of the War Department to extend by about 5,000 acres its

Cathedral Endangered

The Dean and Chapter of Armagh, who are the guardians of the ancient Cathedral founded by Saint Patrick fifteen hundred and five years ago, have learned from their architect that both the woodwork of much of the roof and a considerable amount of the stonework of the nave and the tower are suffering from a rapidly advancing disintegration which must receive immediate attention, and that the cost of the restoration of the fabric and its protection from further deterioration will reach £15,000. The Dean and Chapter have associated with themselves members of the Cathedral Board and of the Friends of St. Patrick's Cathedral and have appointed a Restoration Committee to watch over the operations involved and to raise the required funds.

Ulster Architects

The Royal Society of Ulster Architects hope to set up a School of Architecture at Queen's University, Belfast. This proposal was referred to by R. H. Gibson, when

holdings at Trawsfynydd, Merioneth, been made known.

MOTCP

First National Park

Hugh Dalton, Minister of Town and Country Planning, said last week that he hoped soon to designate in the Peak District the country's first national park. The Minister, who was speaking at Barnard Castle (County Durham) said that the National Parks Commission was making good progress. He said that the first three national parks were to be created this year. The commission had already visited the Peak District, conferred with local authorities and others interested in amenities and open-air life, and had now decided on the boundaries of the park and was sending these to the local authorities concerned for their observations. The Minister hoped that when these formalities had been completed that he would be able definitely to designate this first national park in Britain. The second national park would be the Lake District, and the third in Snowdonia.

YORK

Summer School

The York Civic Trust is to hold a summer school of architectural history and measured drawing in York, from August 12-26. The school will be open to students in schools of architecture recognized by the RIBA, and others, on recommendation of their tutors. Lecturers include Hope Bagenal, John Charlton, S. B. Hamilton and John Summerson. The fee for the school will be £4, and full residential accommodation will be provided at £4 per week. Further details may be obtained from the Secretary, York Civic Trust (Academic Development Committee), 6, High Petergate, York.

WALES

New Hall for National Eisteddfod

The MOW has agreed to the erection of a public hall in time for the National Eisteddfod of Wales at Llanrwst, Denbighshire, in August next year. Technical discussions are going on between the Ministry and officials of the Festival of Britain, the Arts Council, and other bodies, and it is likely that considerable modifications will have to be made to the original plans, which provided for a modern theatre as well as a centre for community purposes.

DIARY

Some Aspects of Sanitary Administration in a Holiday Resort, and Co-ordination of the Work of the Sanitary Inspector and the Borough Surveyor. W. Bate and H. Crowther. Town Hall, Wallasey. (Sponsor, RSL.) 10.30 a.m. JUNE 9

Housing: the Next Fifty Years. Annual conference. The Dome, Brighton. (Sponsor, HCT.) JUNE 9-11

Building Industry Productivity Team Meeting. R. O. Lloyd, R. H. Matthew, F. W. Beazley. Kingsway Hall, London. (Sponsors, NFBTE.) 7 p.m. JUNE 9

Can We Build More Simply? S. A. W. Johnson Marshall. Talk, BBC Third Programme. 6.30 p.m. (Repeat, 11.40 p.m., June 13.) JUNE 11

Gauguin and his Influence. Douglas Cooper. Courtauld Institute of Art, 20, Portman Square, London, W.1. 5.30 p.m. JUNE 13

Building Industry Productivity Team Meeting. N. S. Farrow, M. H. Thackray, F. W. Beazley, W. R. Cowen. Lion Hotel, Cambridge. 5.30 p.m. JUNE 13

Building Industry Productivity Team Meeting. W. H. Horsfall, T. C. Hill, J. H. McKechnie. Lecture Theatre, Literary and Philosophical Society's Hall, Westgate Road, Newcastle. 7.0 p.m. JUNE 13

Discussion on Building Industry Productivity Team Report. Opened by M. H. Thackray. Royal Institution of Chartered Surveyors, 12, Great George Street, London, S.W.1. 6 p.m. JUNE 15

Mechanical Handling Exhibition and Convention. Olympia. 10 a.m. to 6.30 p.m. UNTIL JUNE 17

Tour of USA by Building Industry's Team. N. S. Farrow. At meeting of 88th area of LMBA. Derry & Tom's Restaurant, W.8. 1 p.m. JUNE 14

The 10th Antique Dealers' Fair and Exhibition. Grosvenor House, Park Lane, W.1. Opening June 8 at 3.30 p.m.; public admission from 5 p.m. to 7.30 p.m. Other days, Sunday excepted, 11 a.m. to 7.30 p.m. Admission, 3s. 6d. UNTIL JUNE 23



This feature covers aspects of legislation, parliamentary news or statutory rules and regulations which are of special significance to the architectural profession.

ERNEST WATKINS

The Architect and Current Affairs

Last week's debate in the Commons on housing was disheartening; it was sicklied o'er by the pale cast of political expediency. Housing seems to be another sufferer from the fact that we are now in the trough between two elections. It was, apparently, politically expedient for the Opposition to say that the only way to get more houses is to make use of the private enterprise builder, and that it was criminal of the Government not to have given the timber trade more dollars to allow them to buy greater quantities of Canadian

soft woods. It was, apparently, politically expedient for the Government to say that the failures of the building industry are due to the backwardness of the private enterprise builder alone, that one of its biggest handicaps had been the lack of preparation made before 1945—and all that in a week which had seen the appearance of three solid and exhaustive reports on the building industry, the Working Party's report, the report of the team sent to the United States by the Anglo-American Council of Productivity and the MOH's own report on housing costs. So it was apparently not politically expedient for the Commons to sit down soberly and thrash out what could and should be done, by Parliament and by the industry, to get more houses for the same effort and for less money.

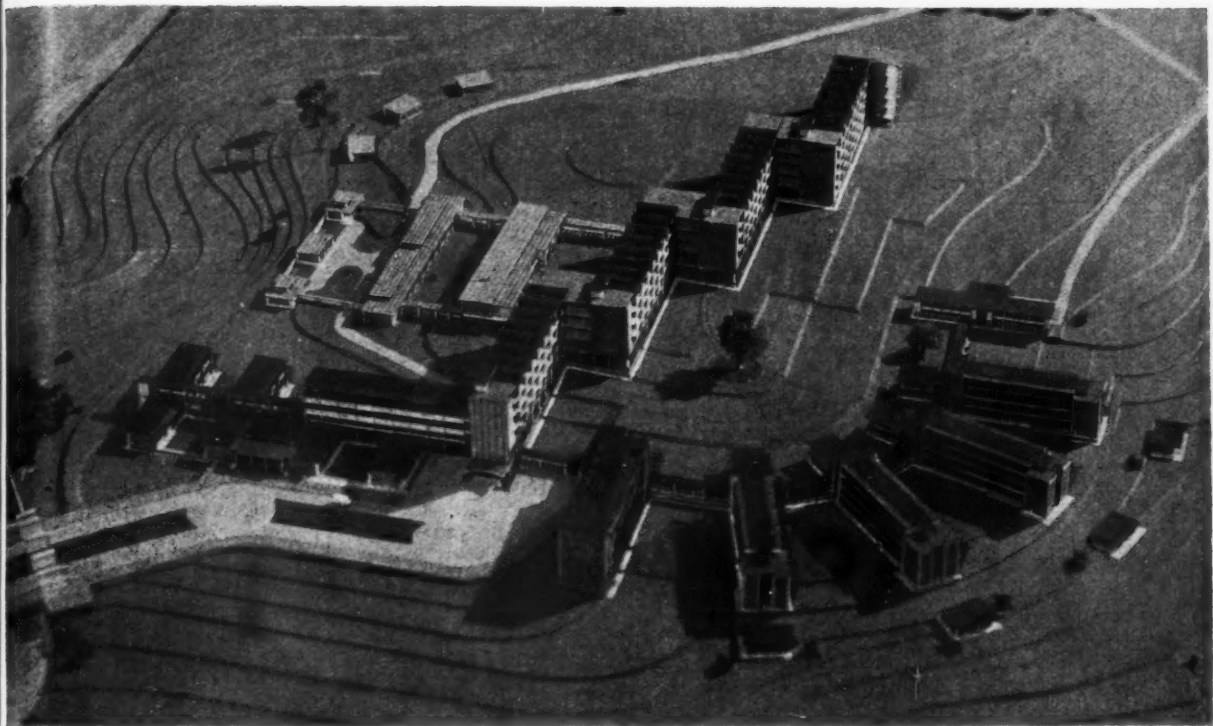
As far as the number of houses actually built in the last five years is concerned, I don't think the Government's record of some 175,000 a year is bad. It might certainly be better. It might certainly be very much worse. Nor is it a bad thing that the cost of labour in a standard council house has fallen since 1947 (only from £416 to £409, but still that is a fall), while the total cost of the house itself has risen in those two years by £79. But it is bad that productivity per man is only 4/5ths of what it was in 1938, and that in the United States it is now some 50 per cent. higher than it is here.

Again, I think it excusable that the housing industry was overloaded in 1946 and 1947. It would have been hard for any Government at that time not to have overloaded an industry so important, equally hard for any industry suffering from a bad war-time dislocation not to show unfortunate symptoms as a result. But I don't see much excuse for a Minister responsible for housing to say, in 1950, that he knows that private industry has failed to take advantage of its opportunities and to expect that assertion to be taken as a complete answer to his critics. If, after five years in office, a Minister has found no way to organise house building otherwise than by the use of the private enterprise builder, then surely the time for stone-throwing has passed.

One thing is clear. Most of what was said in this debate was addressed to the electorate, not to the building industry or those connected with it. So, presumably, we must wait until the electorate has another chance to answer before the political temperature of the subject falls to a sensible level. But, in the meantime, may I add one additional voice to the chorus urging all concerned to read the Productivity Report (it only costs 2s. 6d.). Its message is that the efficiency of an industry depends on the efficiency of each member of the industry, that there is no part of the industry that could not save time and money by the use of greater thought and care in the planning and execution of its work.

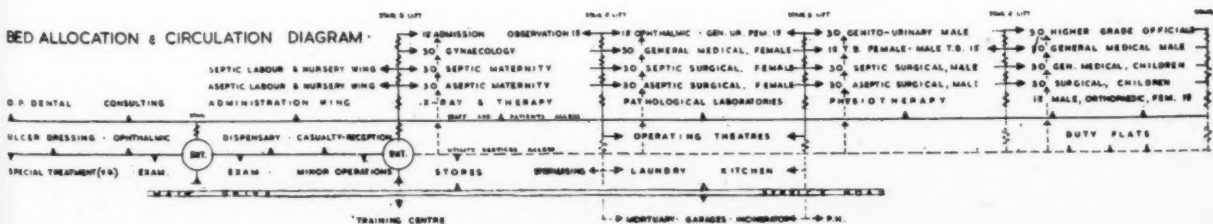
A useful and modest Bill now before Parliament is the Coal Mining (Subsidence) Bill which is now through Committee. In general terms, its purpose is to impose on the National Coal Board liability to repair, or to pay for the repair of, all damage caused to a dwelling house by mining subsidence where the damage was caused since January 1, 1947, and where the dwelling house concerned has a rateable value of £32 or less, or £52 or less in Scotland. (These limits may be changed before the Bill becomes law.) Architects in practice in areas affected by subsidence may feel it advisable to inform their clients of the Bill's existence, for there will probably be many owners of this kind of small property who will know nothing of the Bill and who will still think that subsidence, like a Buckinghamshire tornado, is an event to be borne without hope of financial recompense.

HOSPITAL AND NURSES TRAINING CENTRE AT KUMASI, GOLD COAST

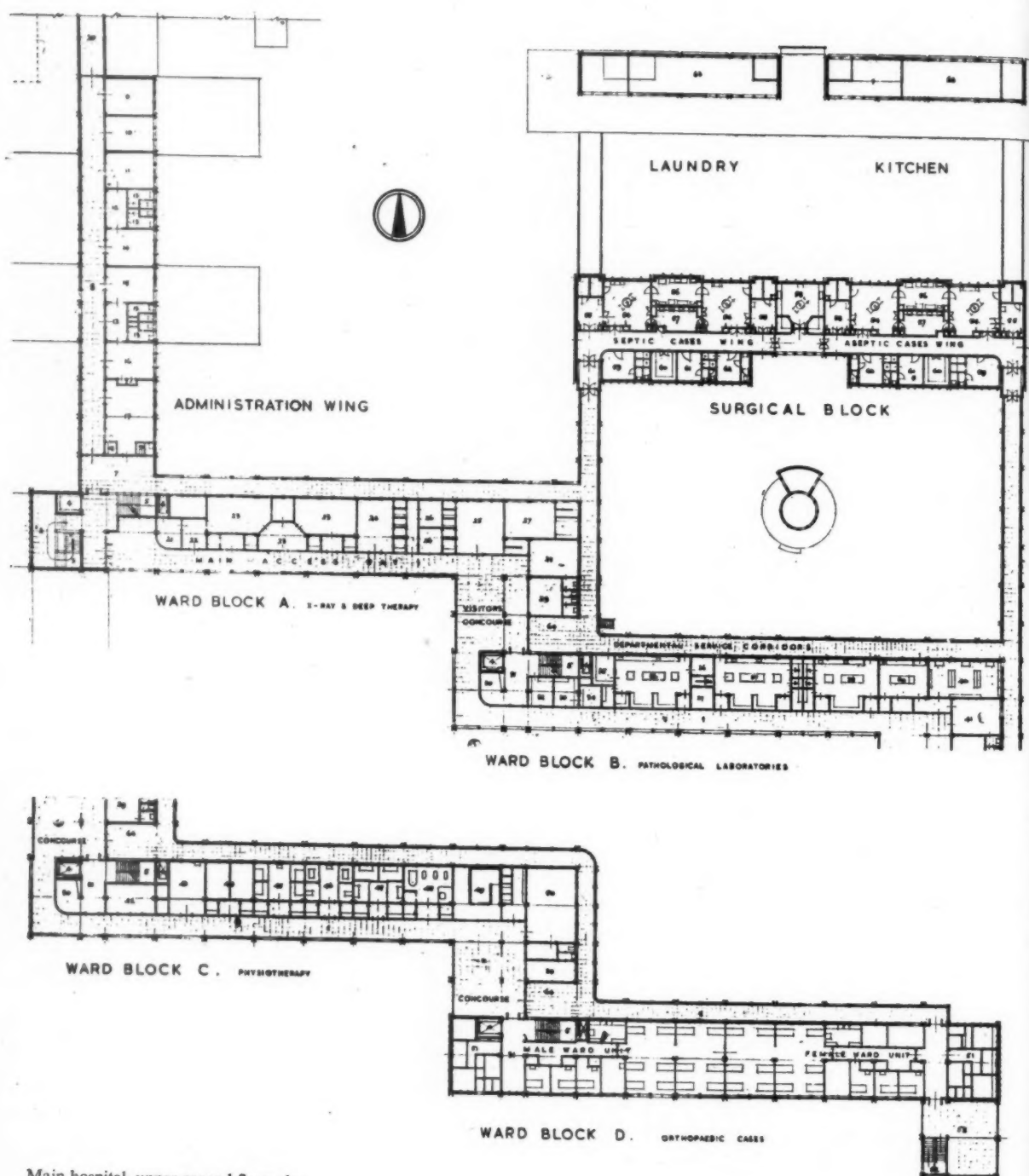


A central hospital in Ashanti is one of several major projects scheduled for construction in the Gold Coast within the present decade. It is to be built at Kumasi, the capital of Ashanti. A. G. Paton, as resident architect of the Public Works Department, is responsible for the design of the project, J. P. Lomax is associate architect, and H. H. Clark is consulting architect. A grant of £1 m. from the Colonial Development Fund was made available for the project; of this sum the Medical Department reserved a sum for medical equipment and furnishing. The cost of the site is not included in this figure as it is on Crown lands. The new building will contain about 500 beds, specialist services, out-patient facilities to deal with up to 500 persons per day, and teaching and living accommodation for about 330 nurses. The site occupies 41 acres upon high ground at a fairly central location within the town limits. The falls of the site will be used in such a way that utility services will be separated from the administration and patients' department.

The out-patients' department entrance is near the main gates. The administration offices are situated above the out-patients' block. On the two floors above are housed the septic and aseptic labour and nursery units, each immediately adjacent to its corresponding maternity ward. The surgical unit, which contains two pairs of operating theatres, is centrally situated to the north of the ward blocks. The main kitchen and laundry block is on the north of the surgical block and, due to the fall of the site, is one storey lower. The post-mortem, garage and power house blocks are grouped at the extreme north of the site. The nurses training centre comprises a teaching block, four dormitory blocks and a self-contained kitchen and dining block. The model of the hospital from the south-west is shown above. The illustration on page 709 shows the ward blocks from the north, with the out-patients' block on the right and the surgical, laundry and kitchen blocks in the centre foreground.



KUMASI CENTRAL HOSPITAL AND NURSES' TR

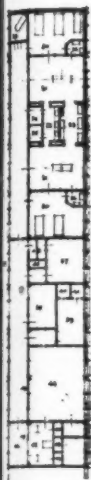


Main hospital, upper ground floor plan.

KEY

- | | | | | | |
|---------------------------|--|--------------------------------------|--|----------------------------------|---|
| 1 Main access way | 14 Medical superintendent's office | 26 Waiting and changing cubicles | 36 Pathological laboratory and micro-photography | 44 Spare | 56 Sterilising rooms |
| 2 Upper hall | 15 Matron's office | 27 Developing room | 37 Biochemistry laboratory | 45 Mechano-therapy | 57 Surgeons' and theatre staff scrub-up |
| 3 Main stair | 16 Secretary's office | 28 Radiologist office | 38 Bacteriological laboratory | 46 Electro-therapy | 58 Plaster theatre |
| 4 Bed and passenger lifts | 17 General office | 29 Staff rest room | 39 Pathologist's research laboratory | 47 Massage | 59 Theatre staff changing rooms |
| 5 Ward stairs | 18 Telephonist | 30 Ward block porter | 40 Path. library and museum | 48 Hydro-therapy | 60 Work rooms |
| 6 Service lifts | 19 Clerks' toilet | 31 Ward block lift and stair hall | 41 Senior pathologist's office | 49 Hydrotherapeutic bath | 61 Theatre-sisters' changing rooms |
| 7 Visitors' waiting | 20 Covered way to out-patients' depts. | 32 Laboratory specimen reception | 42 Sister i/c physiotherapy, office | 50 Gymnasium, remedial exercises | 62 Surgeons' changing rooms |
| 8 Admin. corridor | 21 Sister i/c X-ray office | 33 Laboratory records clerk's office | 43 Senior physiotherapist, consulting | 51 Ward unit sanitary annexes | 63 Upper part of kitchen and laundry |
| 9 Senior staff rest room | 22 Records office | 34 Store | | 52 Emergency stair | 64 Service trolley bays |
| 10 Library | 23 Superficial and deep therapy | 35 Section cutting | | 53 Patients' covered day-balcony | |
| 11 Surgeons' common room | 24 Diagnostic X-ray | | | 54 Operating theatres | |
| 12 Ante rooms | 25 Screening | | | 55 Anaesthetising rooms | |
| 13 Staff toilets | | | | | |

SESS TRAINING CENTRE IN ASHANTI, GOLD COAST



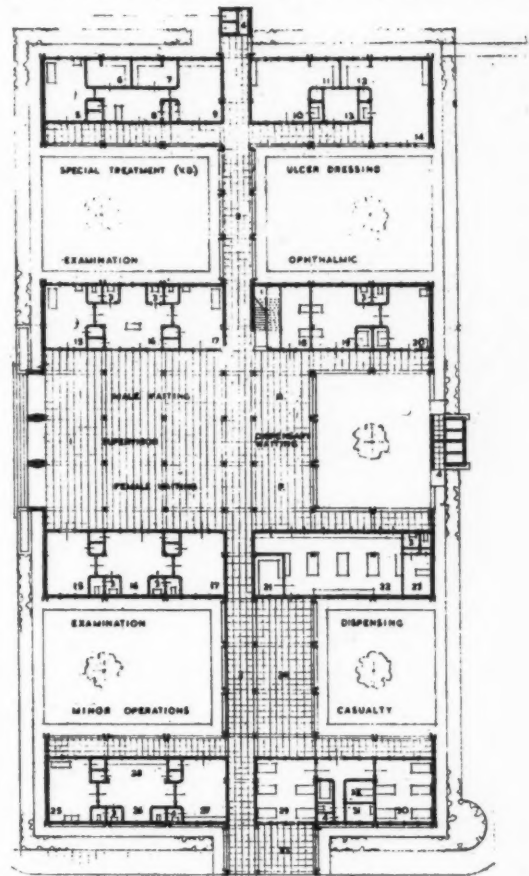
Aseptic labour and nursery unit, first floor plan

KEY

- 27 Sun-shield louvre windows
- 29 Admission bathroom
- 30 Pre-labour wards
- 31 Delivery theatres
- 32 Surgeon and staff scrub-up
- 33 Sterilising and preparation room
- 34 Changing cubicles, surgeon
- 35 Changing cubicles, staff
- 36 Sluice rooms
- 37 Premature babies' nursery
- 40 Cold store
- 41 Dry store
- 42 Air-conditioning plant
- 43 Linen cupboard
- 44 24-cot nursery
- 45 Babies' bathroom
- 46 Mosquito lock
- 49 Parents' viewing screens

KEY

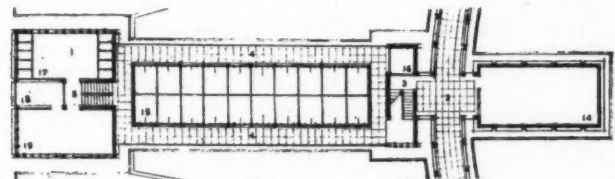
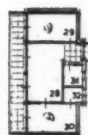
- 1 Out-patients' waiting hall
- 2 Main corridor, open
- 3 Staff toilets
- 4 Patients' toilets
- 5 Medical officer (V.D.)
- 6 Laboratory
- 7 Blood test laboratory
- 8 Card room
- 9 V.D. treatment room
- 10 Male treatment room, ulcer
- 11 Sterilising and preparation
- 12 Sterilising and preparation
- 13 Nurse-receptionist
- 14 Female treatment room, ulcer
- 15 Medical officer, diagnosis
- 16 Nurse-receptionist
- 17 Medical officer, diagnosis
- 18 Dispensing optician
- 19 Reception and treatment
- 20 Refractionist, eye testing
- 21 Dispensary daily store
- 22 Dispensary
- 23 Head dispenser's office
- 24 Group-casualty reception shelter
- 25 Minor operations room
- 26 Casualty sister, duty station
- 27 Casualty treatment room
- 28 Sterilising and preparation
- 29 Casualty reception ward
- 30 Casualty recovery ward
- 31 Sluice room
- 32 Bathroom
- 33 Ambulance cases reception bays



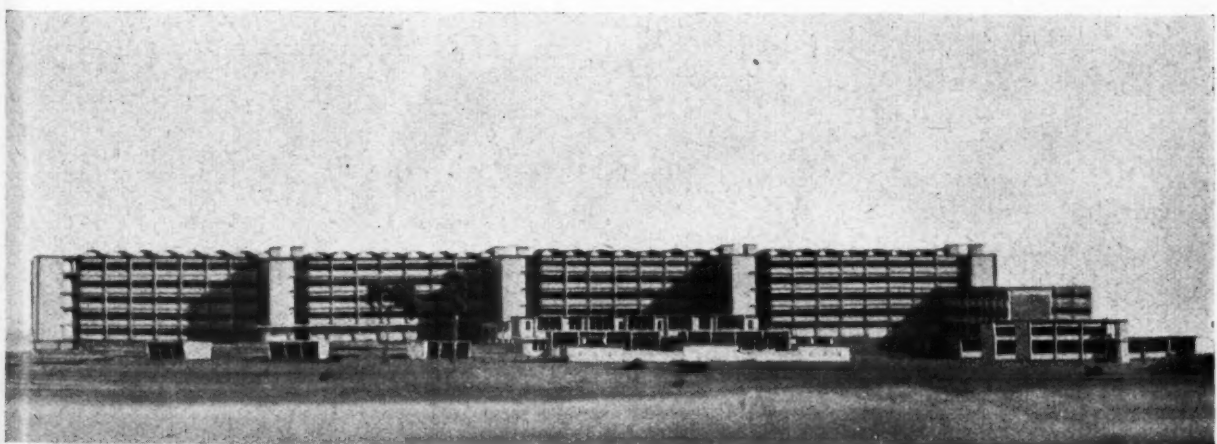
Out-patients block, lower ground floor plan

KEY

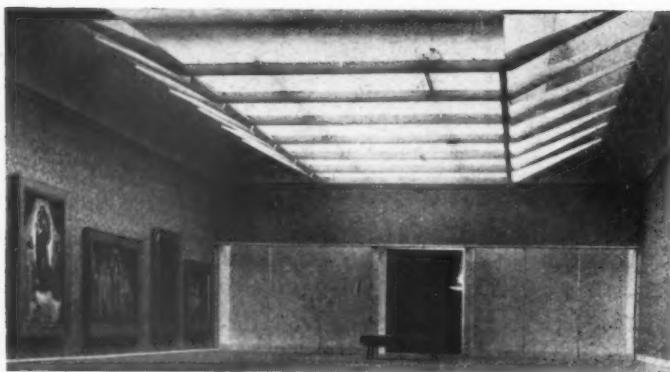
- 2 Covered way
- 3 Main staircase
- 4 Access balcony
- 5 Emergency stairs
- 14 Box room
- 15 Cubicles
- 16 Senior's cubicle
- 17 Lavatory
- 18 Drying balcony
- 19 Utility room
- 28 Living room
- 29 Bedroom
- 30 Kitchen
- 31 Bath room
- 32 Larder



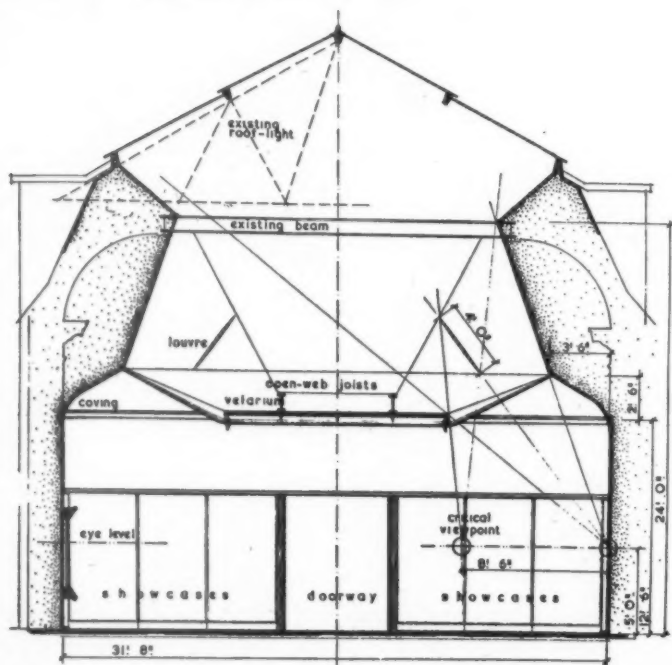
Housekeeper's cottage, ground floor plan
Dormitory block, lower ground floor plan



BRS SCHEME FOR LIGHTING BIRMINGHAM ART GALLERY



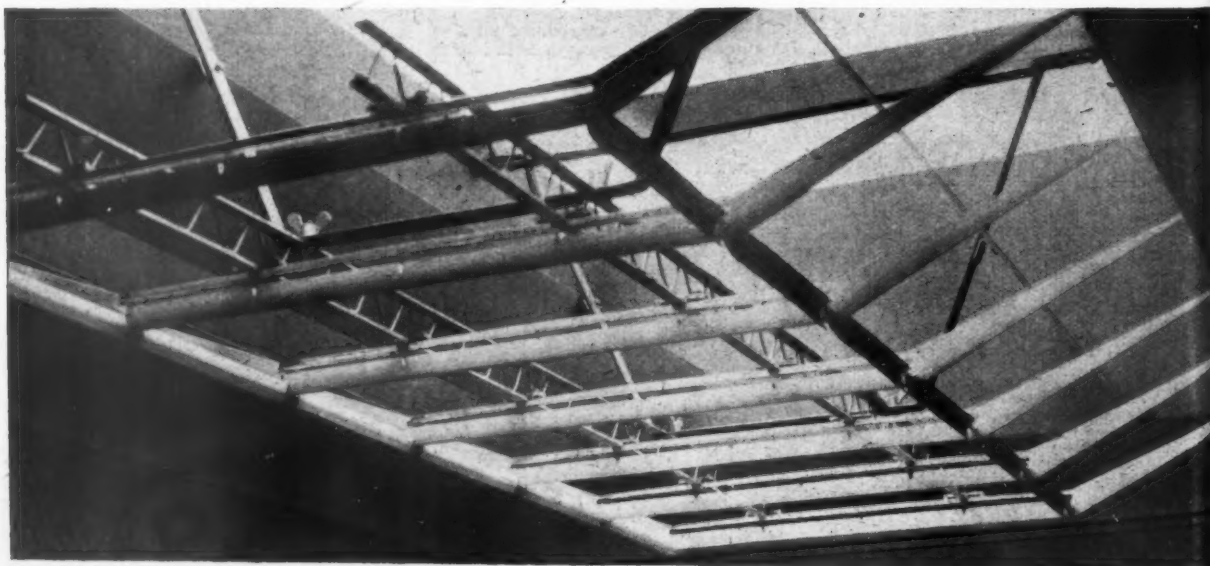
Model, showing treatment of gallery.



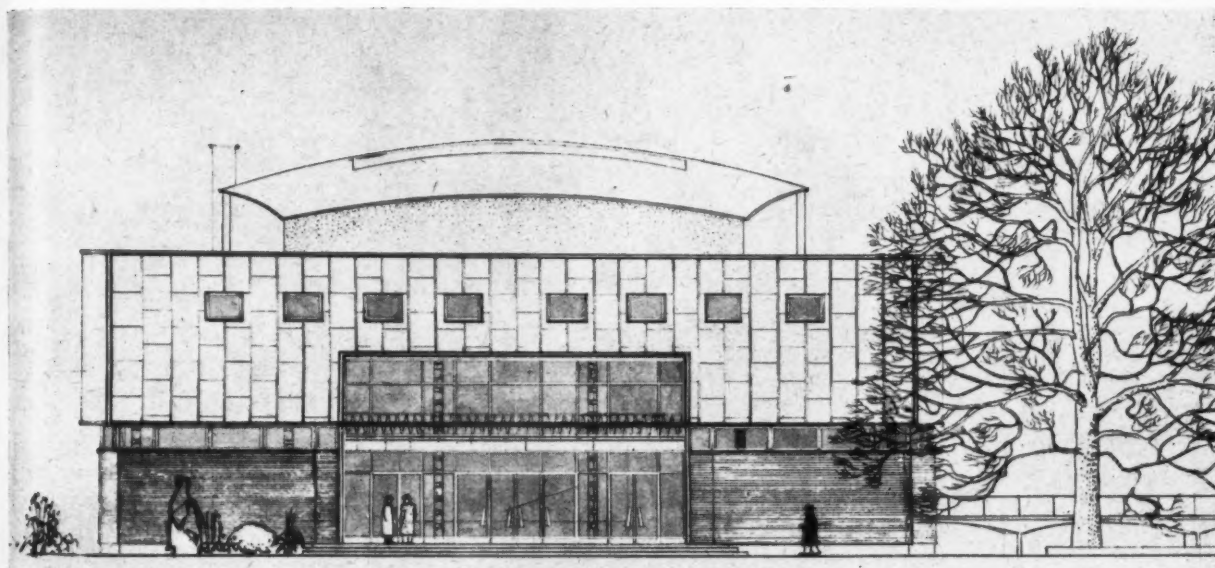
Cross section

The Building Research Station has evolved a scheme for the lighting of Birmingham's City Art Gallery, which is to be reconstructed. As shown in the illustrations, the use of a laylight, a form of "egg-crate" louvering, enables a controlled amount of light to enter the room, but allows the light from the sky to fall directly on to the paintings. Above the paintings the walls turn inward, thus preventing strong light from reaching the visitor's eye. This screening is assisted by the use of a single louvre above the gap on each side of the laylight. Artificial lighting is provided by means of fluorescent fittings along the outer edges of the velarium. As it is also important that the brightness of other surfaces should be equal to, or less than, that of the paintings, the BRS has made recommendations about the colours to be used and the nature of patterns to be provided. The method suggested for the lighting of the Birmingham gallery is, of course, applicable in principle to other conventional top-lit galleries. The architect for this scheme is J. B. Bickerdike.

Laylight with velarium removed.



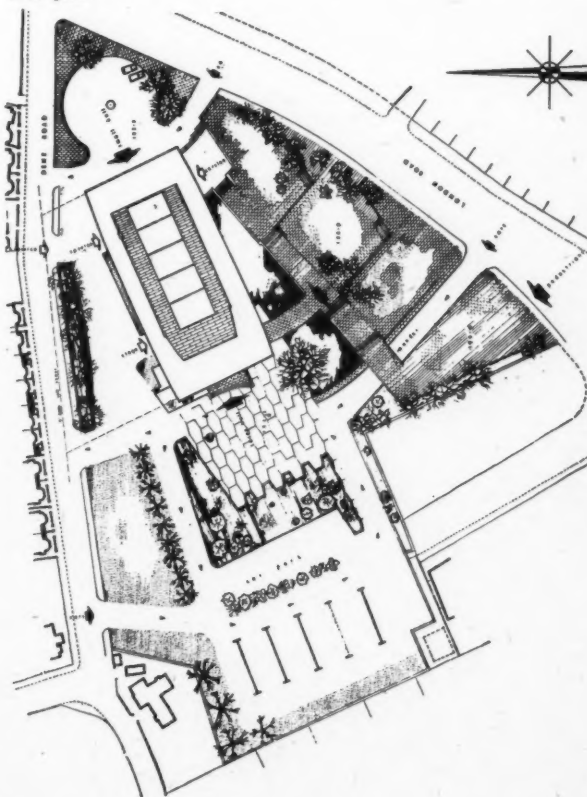
EVERY FIRST PRIZE DESIGN FOR GUILDFORD CIVIC HALL



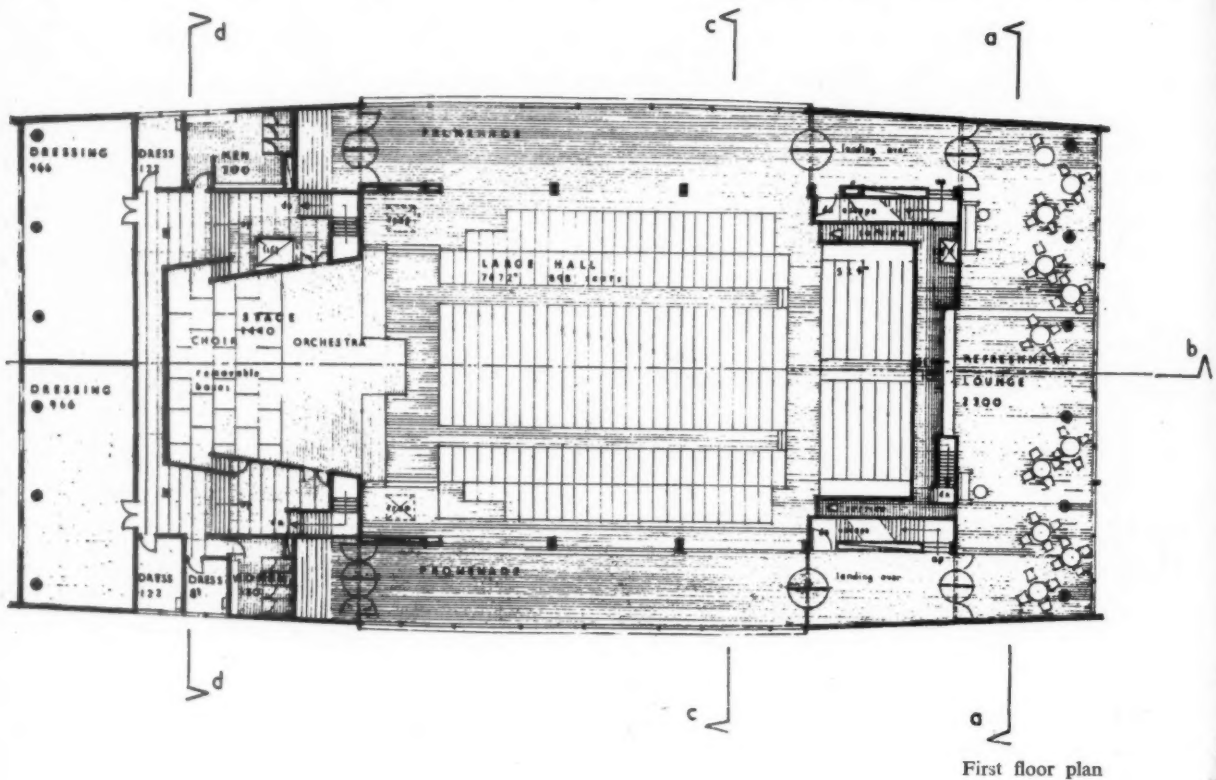
West elevation

The first prize-winners in this competition were Leonard F. Richards, A.R.I.B.A., A.M.T.P.I., and Charles W. H. Wright, student R.I.B.A., of Kent. Following are extracts from the report of G. A. Jellicoe, the assessor:—"The design placed first is a high work of art in so much that all parts, from the halls themselves to the smallest service unit, are subordinate to one idea; and that idea, like all good ideas, is extremely simple and beautiful. The authors have followed this through with skill and sensitivity, and although the building belongs to the present day, and expresses this fact, the assessor feels that it will fall harmoniously into the community of buildings of all dates that is characteristic of Guildford. . . . Particular attention should be paid to the flexibility of the use of the building, the spaciousness of the foyers and promenades, the complete separation of traffic to the two halls, and the extreme economy of use of land on the site itself. . . . Faults have been summarized by Hope Bagenal in his advice to the assessor as follows:—(1) The dissociation of structure between the two halls is not adequate to give good insulation of noise. . . . (2) The small hall does not (as shown) fulfil the requirement for a theatre for amateur theatricals and operatics. Theatricals of any kind need seven feet minimum of flying space above the proscenium, even when a 'fly' tower is not called for. (3) The height of large hall is insufficient; opening to sub-gallery is only eight feet six inches. The ceiling height above top gallery seat is only seven feet. A minimum of 10 feet is desirable in each case. The rake of the balcony is broken at centre; it should be continuous and a greater rake. (4) Concert hall staging should be on the curve. (5) Concert hall ceiling. Cross section curve useful but long section curve is not useful.

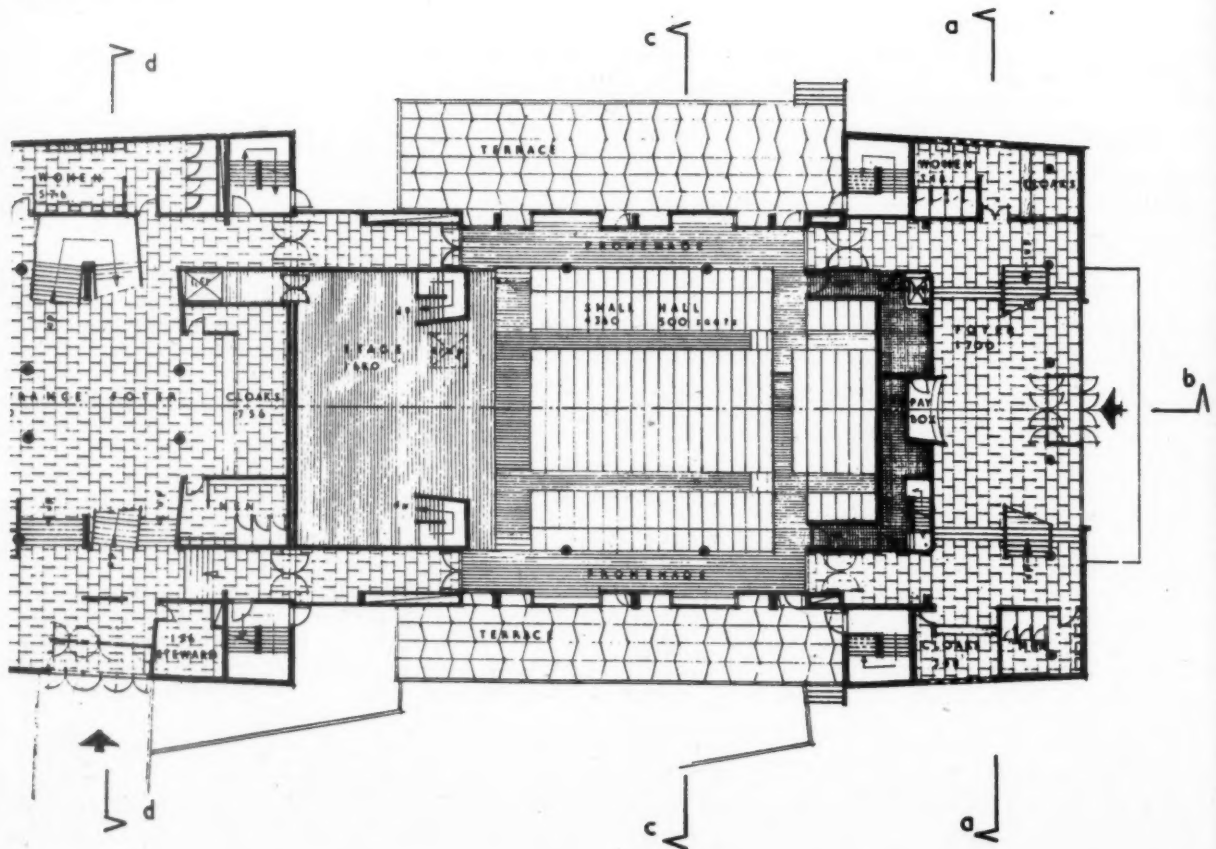
Ceiling better stepped up. . . . The authors appear to be more than 10 per cent. in error on their cube figure and in view of the complex reinforced structure they have employed, the assessor cannot agree that the building as shown and specified could be built at the required price. . . . The assessor advises that the authors be requested to modify and reconsider their design in the following respects:—(1) To add to the heights of the hall as Site plan

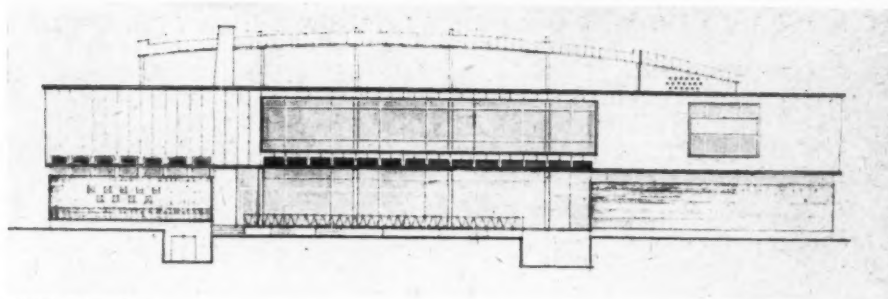


FIRST PRIZE DESIGN FOR GUILDFORD CIVIC HALL COM

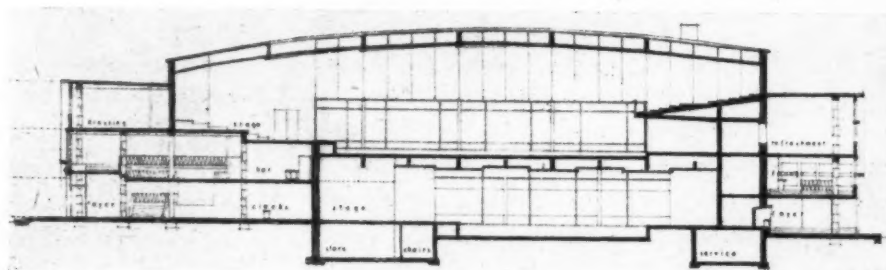


Ground floor plan





North elevation



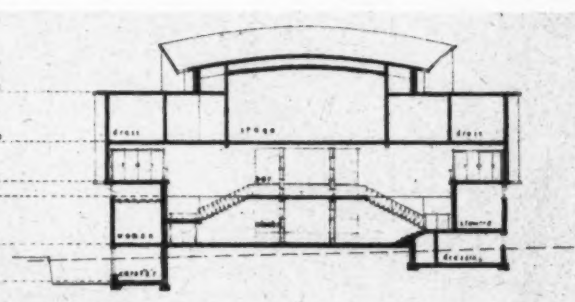
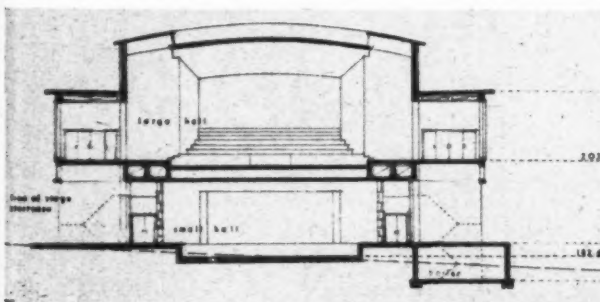
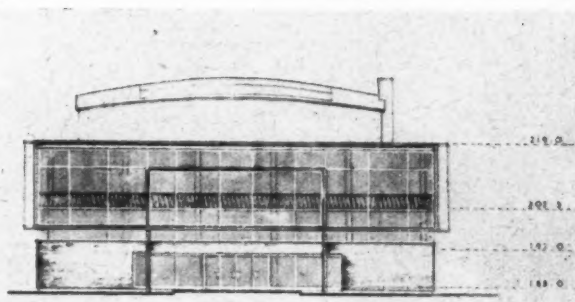
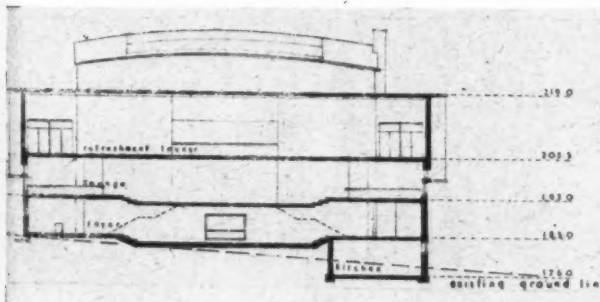
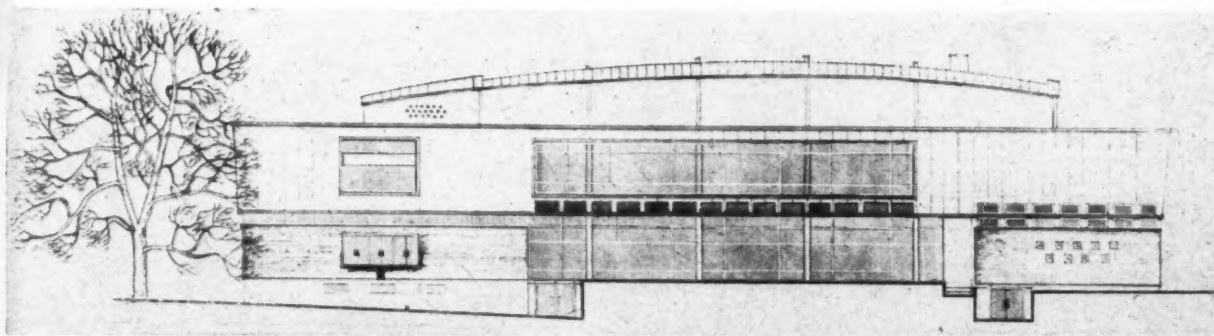
Section B-B

described above, and take such precautions and make such variations to shape as are necessary in regard to acoustics.

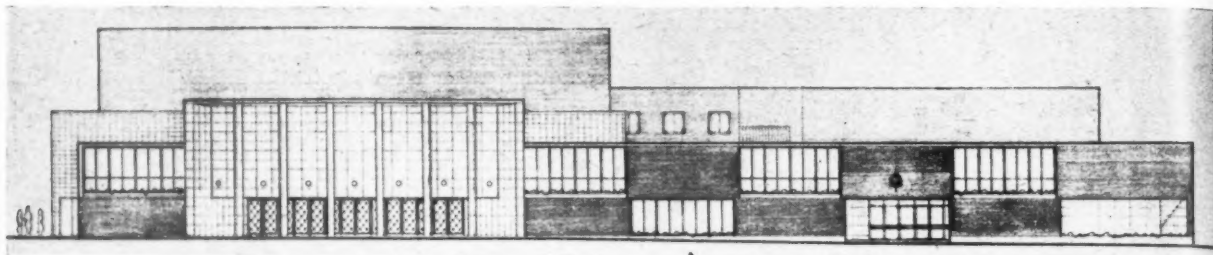
(2) To re-study the orientation of the building in order to

determine, in collaboration with the Council, whether they have made best use of the site in relation to potential but undecided town planning developments.

Below ; top, south elevation ; centre left, section A-A ; centre right, east elevation ; bottom left, section C C ; bottom right, section D-D.



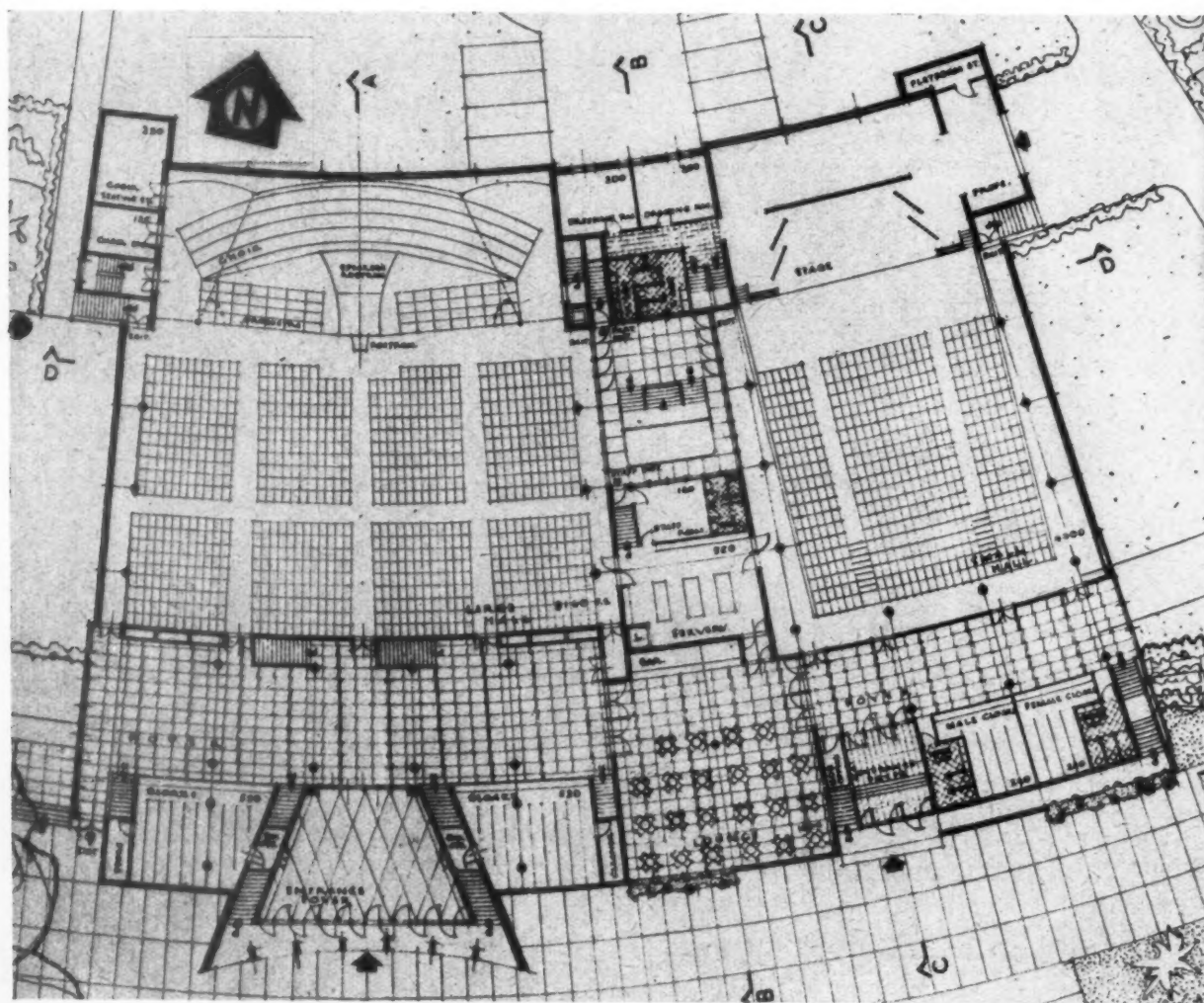
COMPETITION FOR CIVIC HALL AT GUILDFORD : SECOND A N



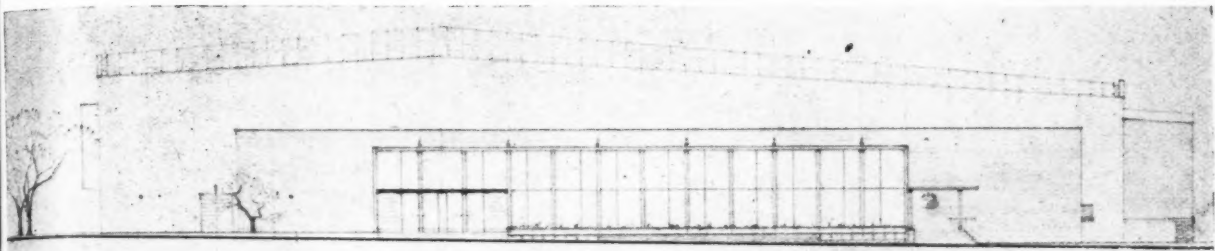
Front elevation

The second prizewinner was W. S. Bryant, A.R.I.B.A., of London, and G. A. H. Pearce, A.R.I.B.A., A.I.A.A., of Hampshire. The assessor wrote :— . . . " Compared with the winning design, the drawings awarded second premium show a somewhat clumsy grouping on the site. Otherwise it is an excellent design, the elevations having an air of dignity and monumentality suited to a Civic Hall. The halls are placed parallel, and are structurally sufficiently separated for acoustics. . . . Internally the foyers and refreshment rooms are ample, . . . the halls are well shaped ; and the secondary planning is

adequate. An interesting proposal has been made for a balancing floor for the small hall, but the idea is necessarily excluded from the competition on the score of cost. If the mechanical floor be omitted and the halls lowered 5 ft. and 4 ft. respectively as the competitor himself suggests ; if the building were to be straightened (which might not be necessary and which the assessor is reluctant to suggest, but which nevertheless may be considered a modification only of the design) ; and if the specification be partly reduced ; the assessor is of the opinion that this building could be erected within 10 per cent. of the sum laid down."



ND AND THIRD PRIZE - WINNING DESIGNS

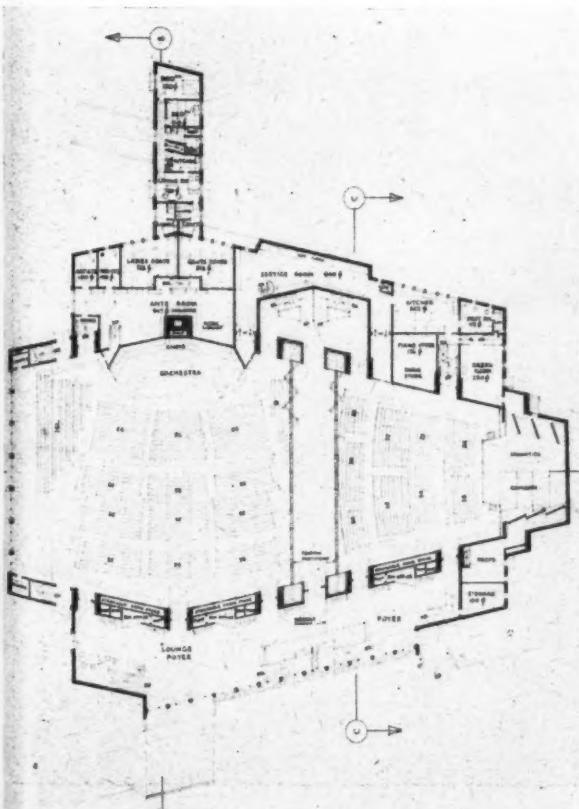


Front elevation

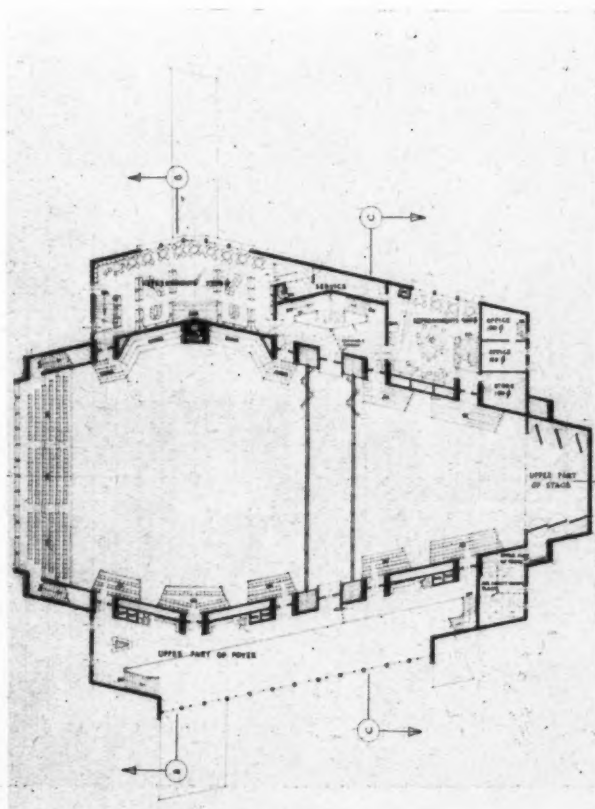
The third prize-winner was Eric G. Broughton, A.R.I.B.A., A.M.T.P.I., A.R.C.A., of London. This design, wrote Mr. Jellicoe, "has not the architectural distinction of the previous two, and some of the planning of the less important parts is ill-considered and at times scarcely adequate. It is more a festival hall than a town hall ("dignified, cheerful, sportive edifice" to use the competitor's own description). Nevertheless, this design, with modifications, provides the requirements in a way that could be built within the cost, and in addition attempts, not unsuccessfully, to allow for both halls to be joined on occasion to form one majestic hall. The treatment of the interiors is original and the idea of the balconies is delightful. A novel suggestion for conversion of a ramped floor to a flat floor has been put

forward which might be satisfactory. The practical success of this plan depends upon proper sound proofing and dissociation of structure between one hall and another. In view of the fact that only on rare occasions would the screens be folded away, and therefore not so much liable to human and mechanical fault, it would seem that they might be a practical proposition. A special study would be required. The assessor is of the opinion that if the chair store were reduced to that required by the conditions of competition, and if there were a reasonable modification of the specification; but if additional cost were allowed for acoustic separation between the halls; that this building could be erected within 10 per cent. of the sum laid down in the conditions of competition."

Ground floor plan



First floor plan



TWO HOUSES

at CHICHESTER, SUSSEX
designed by POWELL and MOYA

Although situated almost in the centre of the city off Westgate, one of the four main streets, the site of these two houses in Mount Lane is quiet and secluded and already well planted. The site divides itself naturally into two areas, that on the east of one third of an acre and the other of two thirds of an acre, the boundary being a line of fruit trees and a hedge with an old garden wall around most of the perimeter.

House 1 from the south-west.

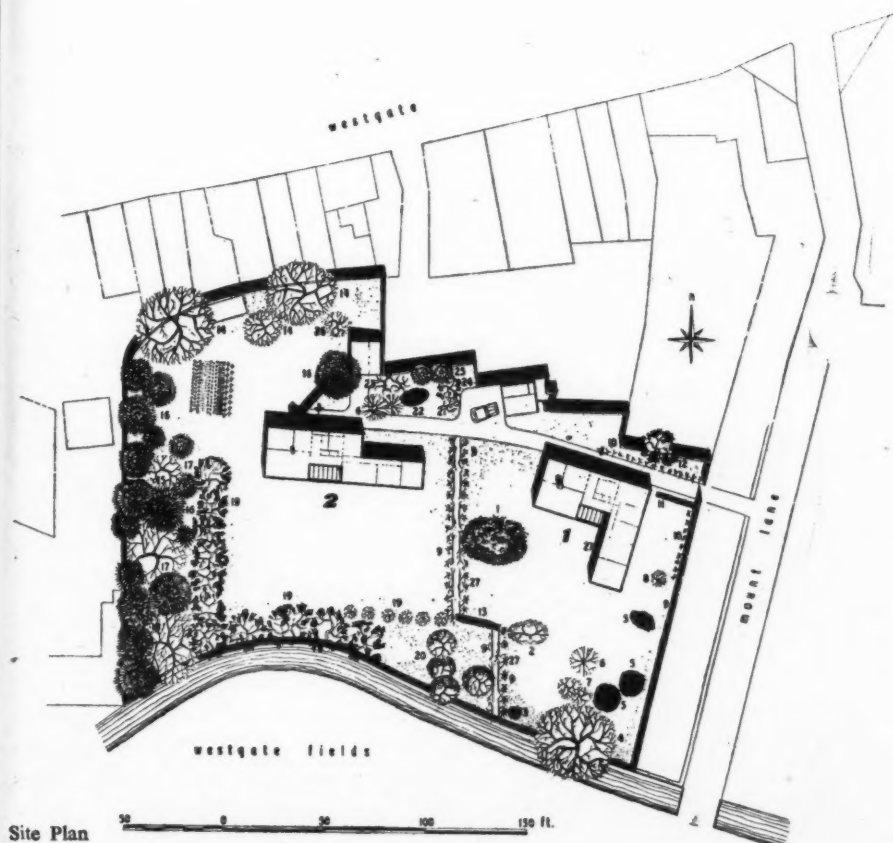


SITE.—Originally used as an orchard and vegetable garden, the site is bordered to the north by the gardens of 18th century Westgate houses, to the east by the fields of the Theological College, to the south by the Westgate meadows and to the west by a 19th century factory behind a line of tall trees. As the use of the land was being changed from agricultural purposes development charge had to be paid.

PLAN.—The requirements of the two clients, who are relatives, differed in certain items which affected the siting and planning of the two houses. House 1 is owned by a Canon of Chichester Cathedral, who required a smaller garden and rather more accommodation on a smaller site than the owner of House 2, who is a naval officer with a wife and one child. The following basic accommodation was required for House 1: a living room with dining recess, a kitchen to be used by a resident servant, a study, separate bedrooms for the owner and his wife, a servant's bedroom and a spare bedroom. House 2 has a working kitchen, as no servant is employed, and a nursery with direct access to the garden.



The two houses seen from the east, with House 1 on the right.



**KEY
TREES ON THE SITE**

- 1 Mulberry
- 2 Canadian maple
- 3 Holly
- 4 Lime
- 5 Laurustinus
- 6 Syringa
- 7 Maple
- 8 White rose
- 9 Espalier apple
- 10 Herbaceous border
- 11 Hedge
- 12 Crab apple
- 13 Lonicera
- 14 Oak
- 15 Quince
- 16 Fir
- 17 Pine
- 18 Walnut
- 19 Apple
- 20 Pear
- 21 Japanese cherry
- 22 Cypress
- 23 Yew
- 24 Lilac
- 25 Arbor vitae
- 26 Ash
- 27 Flower border

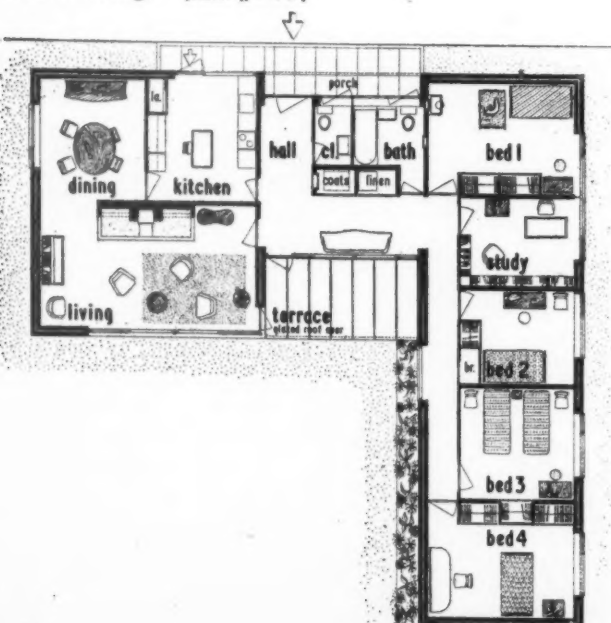


House 1 from the south-west.

TWO HOUSES

at CHICHESTER, SUSSEX
designed by POWELL and MOYA

Plan of House 1 [Scale: $\frac{1}{8}" = 1'0"$]



The bedroom wing in House 1 is built at right angles to the living area because of the narrowness of the site and so that the rooms can face east with a fine view of the cathedral. Use is made in both houses of the recent increase in the permissible area for a private house from 1,000 sq. ft. to 1,500 sq. ft., House 1 being approximately 1,400 sq. ft. and House 2 1,300 sq. ft. Single storey construction was chosen to give privacy within the walled garden and to avoid interference with the view from the existing houses in Westgate over the meadows. No objections to the design were raised by the county planning authorities. The price of a private house is left to the discretion of this local authority within the maximum area of 1,500 sq. ft., and is based on a reasonable comparison with local council houses, which, in this district, are built for about 26s. per ft. super. A reasonable extra for single-storey construction is allowed because of increased foundation and roof costs and in the case of these houses a considerable length of drain was required to reach the main sewer.

CONSTRUCTION.—External walls are of cavity construction with an outer leaf of $4\frac{1}{2}$ -in. keyed flintons, a 2-in. unventilated cavity and a 4-in. breeze inner leaf. At the main living room window the roof is supported on two $2\frac{1}{2}$ -in. mild-steel tubes. Internal walls are of $4\frac{1}{2}$ -in. brick and partitions are $2\frac{1}{2}$ -in. breeze. The roof is a 5-in. reinforced-concrete slab on 2-in. wood-wool slabs as permanent shuttering. The floor has 4-in. of no-fines concrete with a damp-proof membrane laid on 2 in. of site concrete.

FINISHES.—Externally, House 1 has a deep pink, unrubbed spatterdash finish applied to 1:6 sand cement rendering on the west face of the bedroom wing. All other walls are coloured white and rubbed down with carborundum stone 24 hours after application. There is a 6-in. tarred plinth all round. The soffit, reveals and metal parts to the living room window and soffit to the entrance porch are canary yellow, the front door and panel are black and the remaining woodwork is finished with white glossy paint. The windows are standard EJMA types in purpose-made timber frames and the flush doors are $1\frac{3}{4}$ in. thick. The floors are finished with 1-in. cement screed and the roofs with a patent 3-ply built-up bituminous felt with granite chipping finish. The garage and store have cement slurry on the brickwork, doors painted grey and a white fascia. Internally, there is white gloss paint in the kitchen, cloakroom and bathroom and all plasterwork.

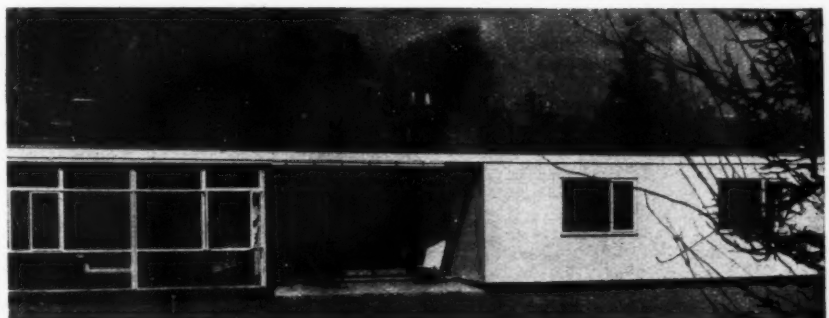


is distempered white. All woodwork is painted white except the internal face of the front door, which is light grey. The fireplace surround is of green precast terrazzo with Genoa marble chippings. House 2 has the east walls to the nursery and dressing rooms finished with dark red, unrubbed spatterdash and all remaining walls white spatterdash cement rendering rubbed down. The soffit to the porch is bright blue and the chimney is finished with black bituminous paint. The remaining finishes are similar to House 1. Internally, the finishes are similar to House 1 except for the internal face of the



Plan of House 2 [Scale: 1/4" = 1'0"]

Above left, the living room bookcase in House 2, which has glass shelves sliding into aluminium channel bearers. Above right, the bedroom corridor in House 2. Right, the south facade.



TWO HOUSES

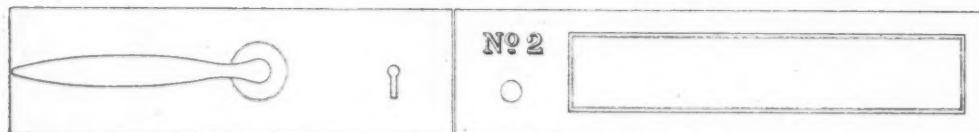
at CHICHESTER, SUSSEX
designed by POWELL and MOYA

front door and nursery door, which are glossy pillar-box red. The front of the hall cupboards is dark green. The bookcase is constructed of softwood verticals at 2-ft. centres, painted white, with 1-in. plate glass shelves sliding into aluminium channel bearers.

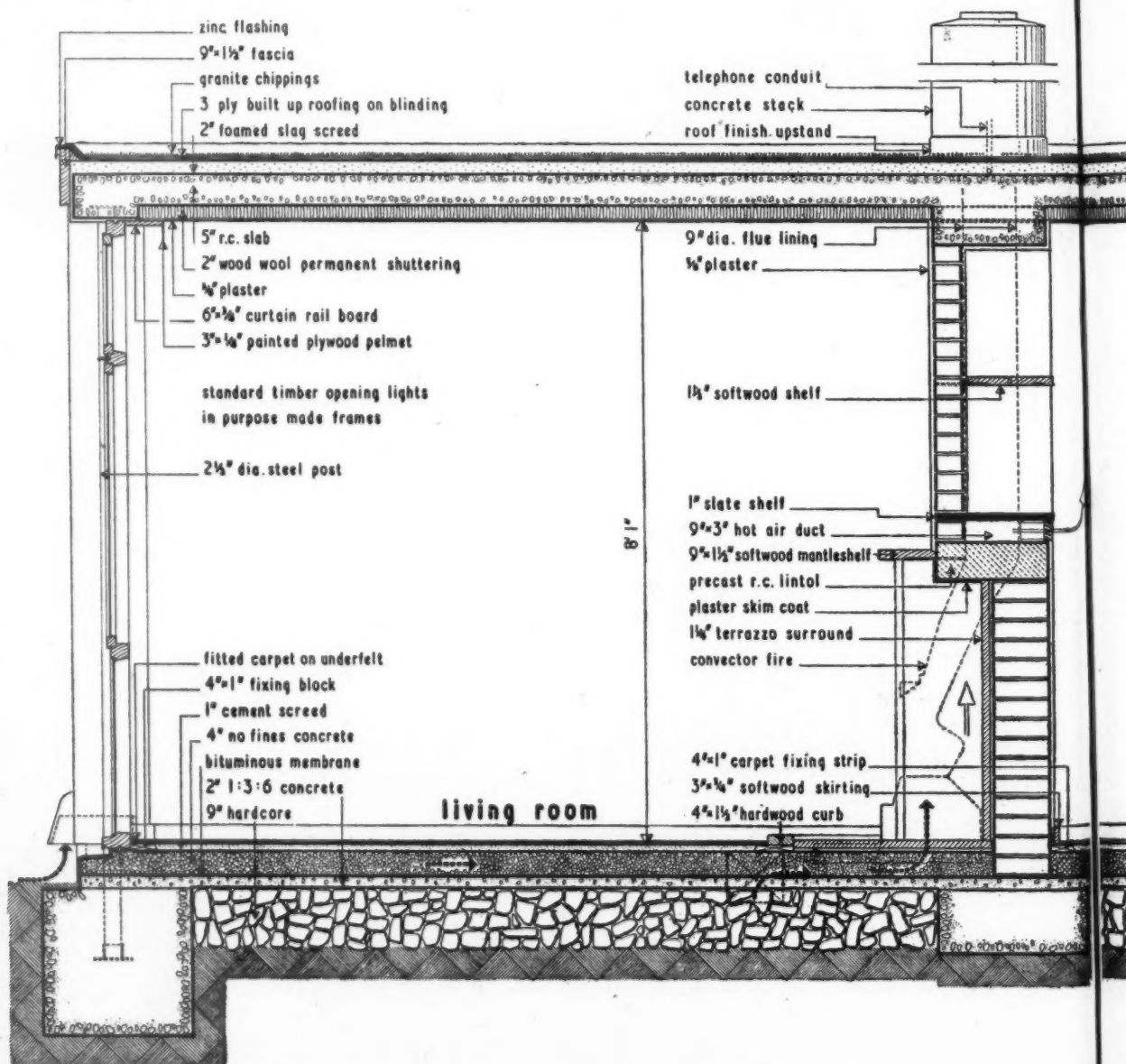
SERVICES.—Plumbing is all internal with service pipes encased. The overflow pipes are grouped together and covered under an external panel hood of expanded metal and rendering. The finish and

colour is as for external walls. The hot water system is electric with a 40-gallon lagged tank with an immersion heater in House 1 and a 60-gallon electric storage water heater in House 2. The solid fuel fire in House 1 has hot air ducts serving the dining recess and kitchen. House 2 has a small open fireplace in the living room and electric heating elsewhere.

The general contractors were C. W. L. Pile Ltd. For list of sub-contractors see page 726.



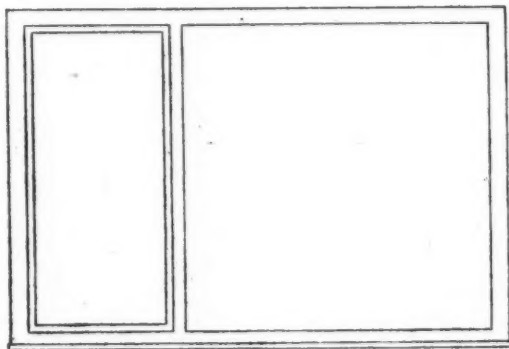
Front door furniture [Scale : 3" = 1'0"]



Section through living room and dining room in House 1

[Scale : 1/2" = 1'0"]

Right, view into the living room of House 1 with the fireplace and the opening into the dining recess in the background.



dining room

rubbed 'tyrolean'
on rendering coat

4½" brick

2" cavity

4" breeze blocks

¾" plaster

d.p.c.

tarred plinth

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QUESTIONS AND ANSWERS · CURRENT TECHNIQUE
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TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed so that readers may cut out items for filing and paste them up in classified order.

INFORMATION CENTRE

6.23 planning: social and recreational PLANNING OF PUBLIC HOUSES

The Planning and Equipment of Public Houses. Francis W. B. Yorke. With a Foreword by Clough Williams-Ellis. (The Architectural Press. 1949. 21s.)

Comprehensive and straightforward textbook on the practical sides of public house planning and equipment. 210 pp., over 200 illustrations.

There are eight chapters of text matter. Chapter one describes the procedure entailed in pub building. It contains much useful information on the requirements of local justices and police on the design of public houses, on the submission of plans, and includes a glossary of licensing terms and a specimen application to local justices by an architect for new licensed premises. Chapter two discusses questions affecting the selection of a site and its layout.

Chapters three to six inclusive deal with plan layout and are accompanied by illustrations of many different varieties of plan. This section of the book begins with generalities on the special requirements of public-house design, which are followed up by separate chapters treating in detail: (1) public rooms and lavatories, (2) service and accommodation, (3) living accommodation and accessory outbuildings.

The two final chapters discuss equipment, external and internal. They contain much factual information on cellar design, sizes of barrels and bottles, construction of bars and signs, etc.

Lastly, at the back of the book there is a useful bibliography, a list of public houses worthy of study, tables of measures and sizes, a specimen progress chart and a valuable half-page schedule of proportionate costs. They can be summarized as main building: 67.8 per cent., layout: 13.5 per cent., conditioning: 6.2 per cent., fixtures and fittings: 12.5 per cent. The plans and photographs, which are largely of houses built between 1918-1938, will repay careful study.

This is an interesting book and it displays a realistic approach to the task of designing a complex type of building. In essence, however, the basic requirements of a pub are simple: these are a cellar, adequate bar space, standing and seating accommodation, sufficiency of lavatories, good entrances and exits, and facilities for economical supervision.

12.45 materials: metal BS FOR ALUMINIUM SECTIONS

Wrought Aluminium and Aluminium Alloys. (BS 1473-75:1949. Wire, 5s.;

BS 1476:1949, Bars, Rods and Sections, 4s.; British Standards Institution.)

These new standards form part of a series on wrought and cast products. Chemical composition and mechanical properties are laid down, as well as general requirements for rivet wire and welding wire. Notes on heat treatment by various methods are given.

13.58 materials: timber SOUTH AMERICAN TIMBERS

Timbers of South America. (Timber Development Association.)

New issue in the "Red Booklet" series; gives details for first time of commercial woods from South America. 93 different timbers covered, with information on uses and working qualities. Index of botanical, common and vernacular names is included for ease of reference.

16.64 materials: miscellaneous BUILDING SANDS

Sands for Plasters, Mortars and Renderings. National Building Studies Bulletin No. 7. (HMSO. 1950. 9d.)

Types, characteristics, choice of good sands, testing

The importance of insisting upon good sand is frequently underestimated and often any more or less reasonable material is accepted without much question provided it is not obviously very dirty. A careful reading of this Bulletin will show just how wrong such an attitude is.

The most obviously valuable part of the Bulletin is towards the end where there is a section headed "Practical Requirements for Building Sands." This contains the essential information in fairly brief form.

Earlier the Bulletin describes different types of sand and the way in which such things as grading, silt content, clay content and the presence of impurities affect workability, strength, setting time and shrinkage. A good deal of useful information is included in this section, though the descriptions tend to be somewhat lengthy and are not always as clear as could be wished for. A peculiar omission is the lack of any reference to the term "sharp sand" which occurs so regularly in specifications. In the absence of any definition of "sharpness" which could be applied satisfactorily, this is probably a good thing.

The Bulletin ends with a section on testing. Some hints are given to help in quick recognition of some of the qualities of a sand, but the gist of this section is that a certificate from the supplier that the sand complies with the requirements of the relevant British Standard is really necessary since proper testing can only be done by a laboratory.

A useful publication, to be read once and kept available for reference.

17.69 construction: general STRUCTURAL SANDWICHES

Structural Sandwiches. Albert G. H. Dietz.

(Technology Review, March, 1950, pp. 253-256, inclusive.)

General survey of the developments in America of laminated materials for structural use. Discussion of the engineering problems which have to be given special attention when composite laminated materials are used. No detailed information given.

20.181 construction: complete structures ENCASING STRUCTURE, PIMLICO

The Encasing Structure for the Hot Water Accumulator for the Pimlico District Heating Scheme. Guthlac Wilson. (The Structural Engineer, April, 1950, pp. 85-91.)

Design and erection of a 16-sided glazed steel tower 36 ft. diameter, 140 ft. high, enclosing a hot water accumulator. Interesting solution of the architects' problem. Sixteen illustrations.

District heating schemes are going to present the architect with a variety of new structural and design problems. The Pimlico scheme, just about to be completed, illustrates one of them. It was discussed in a lecture before the Institution of Structural Engineers on April 13. The architects, Powell & Moya, had to advise on the aesthetic aspects of this tall and massive structure which will be very much in the public eye. The accumulator itself is an all-welded vertical cylinder of 29 ft. diameter and 126 ft. high; incidentally, its erection began only when the outer casing structure had been completed. The cylinder had to be in a vertical position so as to provide the required water pressure for the top storeys in the adjacent blocks of flats. A separate housing structure, also all-welded, was built to enclose the water tank, for the following purposes: to provide additional heat insulation, protection for the lagging, easy access for maintenance and a good outside appearance. 2 ft. 6 in. wide galleries were built at 18 ft. vertical distance, with ladders between them. These circular galleries serve as stiffener rings for the 16-stanchion structure of 140 ft. height. The distribution of wind pressure and suction was derived from reports on earlier experiments at Goettingen, Germany, and in the USA, and a wind velocity of 75 miles per hour as specified in our Code of Practice for conditions of maximum exposure in S.E. England was taken as the basis. The reinforced concrete base was designed for the 2,300 ton weight of the accumulator, with a maximum subsoil pressure of 3 tons per sq. ft., including wind pressure effects. An interesting point arose in the fixing of the glazing. 4 in. rough cast glass panes 6 ft. high by 21 in. wide were set in aluminium glazing bars 24 in. deep. The table of the Tee-bars, however, faces outwards, for two important reasons. The glass panes can be fixed from the inside without scaffolding, and, more important still, the wind suction on the leeward side, which is twice the wind pressure, will press the glazing against the table of the glazing bar, and not away from it. Tests showed that the glass would not break under suction up to 65 lb. per sq. ft. and should therefore safely resist the maximum design suction of 50 lb. per sq. ft.

23.127 heating and ventilation DOMESTIC APPLIANCES

Domestic Fuel Policy. Improved Solid Fuel Appliances. Supplement No. 3 to Circular 170/48. (Ministry of Health. April 14, 1950.)

A consolidated list of solid fuel appliances recommended for use. Essential to local authority architects and valuable to all concerned with domestic buildings.

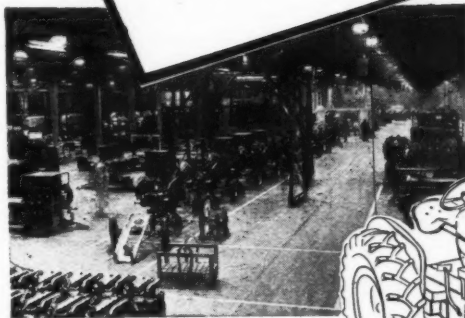


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THE COST OF HOUSE BUILDING

By Ian Bowen

This springtime has seen an unusually high productivity on the part of committees inquiring into house-building costs. Following the publication of the reports of the Working Party and the Building Productivity Team, the MOH Committee has produced the results of the investigation which it has carried out under the chairmanship of J. G. Girdwood.*

In some respects the Girdwood Report is the best of the three. It contains far more solid facts than either of the other documents and also shows a refreshing willingness to use critically detailed evidence drawn from other sample inquiries. It may best be reviewed backwards; i.e., beginning with the conclusions and working back to the technique.

THE CONCLUSIONS OF THE REPORTS

The Girdwood Committee, in its first report, suggested that the standard of housing might be too high and ought to be reconsidered. In its second report it has emphasized this argument. Although the committee appreciates that "cost, though most important, is not the only aspect which needs to be considered in determining housing standards," it draws attention to various factors whereby those standards might be reduced; the fundamental dilemma of housing policy being that costs are uneconomic in relation to rents, pressure on standards is inevitable. The argument tends to be reduced to a discussion of minute details.

The Girdwood Committee has contributed to this discussion by including in its appendices 65 items of housing costs where economies could be secured. Opinions will differ on these items. Some architects will resist the suggestion that there should be a reduction of 6-in. in the height of council house rooms. Others will find fault with the idea that the walls of bathrooms and kitchens should be distempered instead of either glazed or painted with gloss paint; the staining of internal doors may be criticized.

CONSTANT REVIEW OF STANDARDS DESIRABLE

Whatever opinions may be held on these detailed points, a constant review of standards such as the committee recommends is no doubt desirable. But possibly on this issue the committee is not on quite such firm ground as appears, since frequent changes in standards are almost as disruptive to good economy as the level of standards fixed. If there is to be this constant review it must be on the understanding that centralized recommendations from Whitehall are not going to vary the specifications continuously. The review, however thorough and however con-

tinuous, should not be so conducted as to imply constant changes of standard.

The committee mentions the important question of bye-laws, but does not give this subject such a thorough treatment as did the Building Productivity Team.

FIXED PRICE CONTRACTS

Another important recommendation of the committee is that there should be a fresh approach made to the NFBTE, as soon as the effects of devaluation on materials prices have worked themselves out, with a view to obtaining discontinuance of the price fluctuations clause in housing contracts. This approach, if it were successful, would revolutionize British building contract procedure in the direction desired by the Building Productivity Team. The abolition of the fluctuations clause would be a step towards two important reforms; first, towards making competition a reality, and secondly towards a more efficient control of costs by the builder or contractor.

LARGER CONTRACTS AND GREATER COMPETITION

The third most important recommendation is that substantial economies could be secured by building houses in larger contracts and that "when inviting tenders in an area in which competition is known to be poor, it may be possible to arrange contracts of such a size as to attract not only local contractors but also contractors from outside the area."

These two suggestions, applied together, might mark the beginning of a better development of building management and technique. They would have to be taken in conjunction with those recommendations of the committee which suggest a reduction in the variety of plans used by local authorities, thus permitting of economies in materials. It seems as though the somewhat sentimental tide of affection for the "small local builder" is at last beginning to recede, and that after five years of confused loyalty to conflicting principles, the importance of cost reduction is asserting itself. The small local builder may have been efficient for purposes of repair and jobbing work, and sometimes even for new house construction, but the desire to favour the local man has, in the past, outweighed the desire for efficiency. There are economic reasons why the more efficient firms have tolerated this favouritism in a period when they could readily employ their organizations to the full without much attention to house building. The recommendations of the committee on this point need the most careful attention by everyone concerned, not only by the Government, but also by the local authorities and by architects who advise their clients on the question of costs.

BACKGROUND OF FACTS TO THE RECOMMENDATIONS

Since 1947, labour costs have remained approximately constant (at £416 per house of 1947 standard), while materials costs have risen substantially by approximately £100 per house, or 14 per cent. of the 1947 level. The stability of labour costs is due to the fact that rises in wages and costs have been offset by a general increase in labour productivity. The rise in materials prices was not analysed by the committee, which refers to the sub-committee set up by the Minister of Works to advise him on building materials prices, and it notes that this sub-committee has made no comprehensive report. It also

notes that the Monopolies Commission is making some investigations into building materials industries. This is the inconclusive state of present investigations on this subject.

CONTRACTING ON A FIXED PRICE

The practicability of a fixed price contract would seem to depend on how the question of materials prices is handled. As far as labour costs is concerned, the committee's figures suggest a bold approach. It might be possible to contract on a firm price for labour cost, linking up any future increase in wages with increased productivity. After all, productivity is still reckoned to be substantially below the 1938 level, so future increases in wage rates might continue to be offset by better output.

With regard to materials prices, one wonders whether a firm price would not now be possible for most materials, any fluctuations clause being limited to a few such items as softwood and non-ferrous metals, for which the future course of prices is somewhat uncertain.

THE TECHNIQUE OF THE INQUIRY

There are many improvements in the technique of the committee's investigation. Ingenuity has been used, for example, in calculating the man hours taken to build a house on the basis of wages variation claims for certain contracts (paragraph 7 & 8).

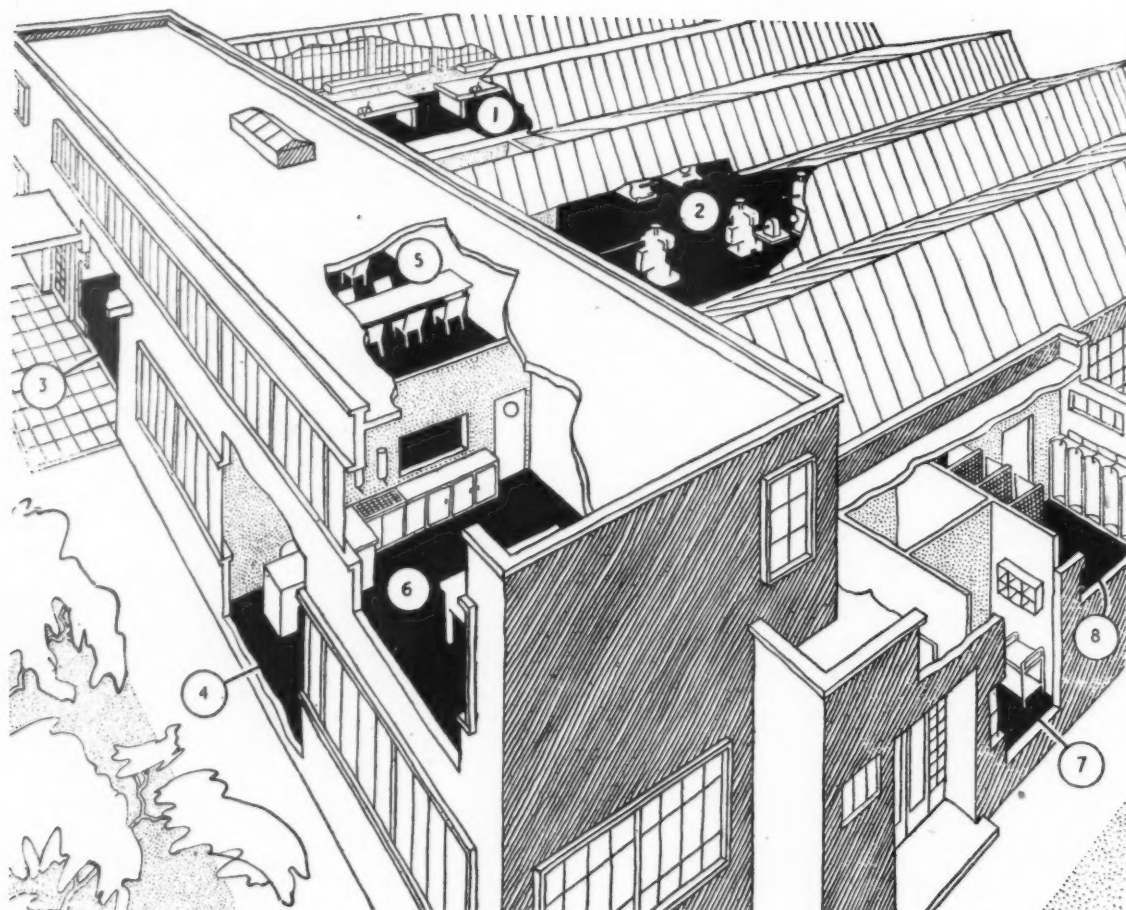
Incidentally, this investigation confirms the calculations of the Girdwood Committee's first report. In later chapters of the report sample investigations have been fully drawn on, including the Chief Scientific Adviser to the Ministry of Works' sample survey of house building carried out in 1949, and, apparently, another sample from which the range of costs between the lowest and dearest house was deduced. In chapter 6 some statistical techniques have evidently been applied. This seems to be the first report on house building costs in which even so elementary a calculation as a standard deviation has officially been used (this is mentioned in a footnote on page 17).

ATTACK ON EXISTING METHODS

Because of this careful technique the text of the report is far closer to reality than many of its predecessors. The text is, in fact, more efficient than the summary and the conclusions. An attack is made on semi-detached houses and a plea made for the economies resulting in building in terraces. Another attack is made on the large number of different plans used by the same local authority. The importance of rejecting tenders and increasing the degree of competition between builders is emphasized. Increasing the percentage of houses of less than three bedrooms is also recognized. The extent to which increasing the size of contracts may reduce man-hours and cost is estimated (the figure is a saving of 250-350 man-hours for a 20-house contract as compared with a 4-house contract, and another saving of 100 man-hours for a 40-house contract).

From one aspect, therefore, the second Girdwood Report shows a marked advance on previous investigations. The committee is getting to grips with its subject, and using many new methods of inquiry. Its experts are evidently now thoroughly familiar with their problems, and if the committee has not yet found it possible to support any radical solution to the problem it has at least made an intelligent approach to new practices much more of a possibility.

* Review of "The Cost of House Building, Second Report of the Committee of Inquiry appointed by the MOH." HMSO, 1950, 1s. 3d. net.



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(The information panel has been prepared without prejudice to any special claim made by manufacturers of the materials listed).

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3. ENTRANCE HALLS	*	*	*	*	*	—	—	*
4. OFFICES	*	*	*	*	—	—	—	*
5. CANTEENS	*	*	—	*	*	*	—	*
6. KITCHENS	*†	*	—	—	*	*	—	—
7. FIRST AID ROOMS	*	*	*	*	*	*	—	*
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THE INDUSTRY

By Brian Grant

FIXING ACOUSTIC LININGS

Although a number of manufacturers have, for a long time, been developing systems for the fixing of insulating board, less attention seems to have been paid to the fixing of acoustic tiles, although the problem is, of course, very much the same.

Messrs. Cullum, who have for years been specializing in acoustic treatments of all kinds and who may also be remembered for the very efficient insulating floor which they evolved in the early 1930's, have now worked out a system for fixing Acousti-Celotex tiles. This system uses light alloy channels which can be fixed direct to ceilings or to the roof purlins of factories, and can also be used for suspended ceilings with the usual hangers and subsidiary sections.

The system is suitable for the 24 in. \times 12 in. \times $\frac{1}{4}$ in. (C4) tile, or the 23 in. \times 12 in. \times $\frac{1}{4}$ in. (C10) tile. The tiles themselves are fixed by a cadmium-plated screw at each corner; the screws engage a spring fixing plate which rests in the light alloy channel and takes four fixing screws so that the four butting corners of adjacent tiles are screwed to a single plate. The spring in the fixing plate, together with the tongue which connects the edges of all tiles, makes the ceiling air-tight so that "breathing" and the consequent deposit of dirt in the joints is avoided.

With this system, individual tiles can easily be removed for access to lighting, conduit or other services, and recessed head screws are used so that there is no danger of the screwdriver slipping out of the slot and scoring the surface.

The normal maximum span for the fixing channel with standard tiles is 5 ft., but this may be increased to 6 ft. by using inverted cross channels; the average load of the hangers is only 42 lb. and no more than 57 lb. in the worst case.—(Horace W. Cullum & Co. Ltd., 8-9, Flowers Mews, London, N.19.)

NEW HEATING METHODS

The pair of experimental houses which Radiation Ltd. have built at Stanmore, and which were described in the JOURNAL on April 7, 1949, have been under continuous test by BRS since their completion, and some of the information obtained has been summarized in a recent booklet. Each house, it will be remembered, had two complete heating systems: a forced warm air system using a gas chimney furnace, a forced warm air system using a solid fuel cabinet heater, a warm air panel system, and a normal hot-water radiator system intended only to supply figures to be compared with the various warmed air methods.

The tests made show very little difference in the thermal inputs required by each system to maintain the same temperature conditions. Under normal operating conditions, however, the forced warm air register system will show some advantage over the other methods because of its greater flexibility, since lower thermostat settings can be used while unoccupied because of the very small delay in reaching higher temperatures when the house is once more occupied. It is also pointed out that, as one might expect, the hot-water radiator system is very much less flexible than the warm air system.

The houses were both insulated to Egerton standards and were of 1,000 sq. ft. each. To maintain the whole house at 60° F. at all times, the living room and dining space at 67° for 8 hours a day, bedrooms at 65° for 4 hours, and provide 250 gallons a week

of hot water at 140° needs 850 therms of gas per annum or, with the solid fuel cabinet heater, 4 tons of coal or coke plus 90 therms of gas for summer hot water.

The booklet provides plenty of information and drawings of the houses, which are open for inspection. It will be interesting to see how the capital costs of installation of these various systems work out when the heating units are in full production.—(Radiation, Ltd., 7, Stratford Place, London, W.1.)

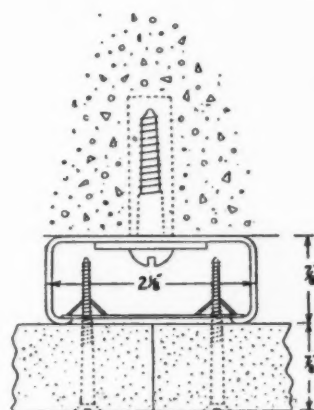
ELECTRIC SWITCHES

The ordinary electric switch has, with minor modifications, been almost standardized for so long that a type which uses a completely new movement is of considerable interest. The illustration on this page shows a new version which is just being marketed by Rolls Switches.

The method of operation is not immediately obvious, but the light spring member, which is made of beryllium-copper, has a central tongue which causes the contact members to spring apart when the switch is operated. The photograph shows the switch on, and the tongue of the spring member can be seen engaged in the plastic dolly. When the switch is moved to off, this tongue moves to the right (as it is shown in the illustration) and the silver contact at the bottom separates with a snap action from the plate on top of the terminal post.

Switches of this kind have been submitted to the National Physical Laboratory for tests, and it is reported from the laboratory that all switches were in perfect working order after over 4 million complete cycles of operation at a load of 5 amperes at 230 volts. The manufacturers, presumably to be on the safe side, have limited their guarantee to at least 1 million operations on full load and have pointed out that, with normal use, this implies a life of nearly 1,000 years, after which time, presumably, neither we nor our clients may reasonably be expected to take any particular interest in switches one way or the other.

Prices are much the same as for other normal types of switch, and models are available for surface mounting or for use in



Cullum's system for fixing insulating board.

BS boxes.—(Rolls Switches, Ltd., 154-6, Blackfriars Road, London, S.E.1.)

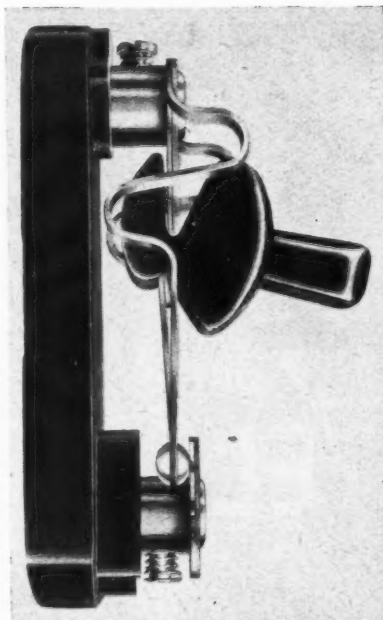
NON-SLIP DECORATIVE LAMINATES

Warerite have developed a special type of decorative laminated sheet with a non-slip surface for service trays, dumb waiter, counter and table tops in ships' dining saloons, railway restaurant cars, and aircraft. A special transparent Vybak resin surfacing film retains the appearance of the Warerite material, while its non-slip qualities prevent crockery sliding about under conditions of continual vibration and movement.

The new material retains nearly all the properties of the normal Warerite sheet. It offers the same qualities of rigidity, strength and light weight, and is available in a wide range of light-coloured patterns. The surface will not, however, withstand a burning cigarette, though a hot tea or coffee pot may safely be placed on it. The bond between the surface film and the high pressure laminate is good. It is possible, however, for rough treatment to cause a slight separation of the two materials at the panel edges. These should therefore be protected as is usual in many table, bar top or tray designs. The new material is supplied either in panel or veneer thickness with the reverse face specially prepared for veneering to plywood, blockboard or other suitable cores. (Ware-rite Limited, Ware, Herts.)

LIGHTING FITTINGS

Readers will no doubt remember that the large new range of tungsten and fluorescent light fittings designed and sold by Merchant Adventurers was shown for the first time at the Building Exhibition last November, and was noted in the report published in this JOURNAL. There is now a full catalogue of these very pleasant designs, most of which are the work of Paul Boissevain. Personal idiosyncrasies always make one prefer some designs to others, and I still feel that nobody so far has quite found the answer to fluorescent, but that is probably because, like so many other people, I am beginning to think that I don't very much like fluorescent in any form at all, although of course it is inevitable, if only for the current saving. Merchant Adventurers' fluorescent designs are better than most; their fittings, since I first remember them in the early '30's, have always been worth considering; now they join the other one or two select firms who can always be relied upon for something good.—(Merchant Adventurers Ltd., 43, Portland Road, London, W.11.)



Rolls switch mechanism, showing insulated base, one-piece actuator, solid silver contacts and the operating dolly.

Announcements

Iain Maxwell Stewart, B.Sc., has been appointed chairman of Messrs. Thermotank Ltd. and associated companies, air-conditioning and ventilating engineers. He succeeds the late Sir Frederick Charles Stewart. Mr. Stewart is a graduate of the Glasgow University and Royal Technical College, and served in the works and drawing offices of his firm until the last war. After recall in 1941 he joined the board of the company and in April, 1945, was appointed managing director.

Leslie Kirkpatrick Reid, J.P., joint managing director of D. Anderson & Son Ltd., makers of Red Hand roofing felts, has been appointed to the board of the British Plaster Board Ltd. Mr. Reid is principally concerned with the technical departments and production of D. Anderson & Son Ltd., who celebrated their centenary in 1949.

Corrections

On page 592 of our issue for May 11 we showed Richard Crittall & Co. Ltd. as the second of two sub-contractors responsible for central heating at the National Institute of Medical Research, Mill Hill. This firm was in fact responsible for the design and installation of the main heating, hot and cold water supply, air conditioning, ventilation, steam plant, compressed air, air sterilization, etc., and have been on this contract since 1938.

The talk by H. W. Wells, published in our issue for May 18, was sponsored by the Town Planning Institute.

In the article describing the financial problems of architectural practice, published

on May 4, the section beginning at the fifth paragraph on page 548 and ending at the foot of the last column should have been inserted before the section beginning at "Bills Rendered and Clients' Ledger" on page 547.

Buildings Illustrated

Houses at Chichester. (Pages 716-721.) Architects: Powell and Moya. Quantity Surveyors: Davis, Belfield & Everest. General Contractors: C. W. L. Pile Ltd. Sub-contractors: Electrical installation, Chitty Bros. Ltd.; windows, doors, cupboard fronts and dresser units, Bailey & Whites Ltd.; patent glazing, Williams & Williams Ltd.; door and window furniture, Yannedis & Co. Ltd.; convector fire (house No. 1), B. Finch & Co. Ltd.; sanitary fittings, J. H. Sankey & Son Ltd.; kitchen equipment, Stitsons Sanitary Fittings Ltd.; roofing felt, Wm. Briggs & Sons Ltd.; roof reinforcement, British Reinforced Concrete Engineering Co. Ltd.; precast terrazzo units for fireplace surround and overmantle, W. B. Simpson & Sons Ltd.; light fittings Troughton & Young (Lighting) Ltd., Hume, Atkins & Co. Ltd., The General Electric Co.; spatter dash external finish, Cement Marketing Co. Ltd.; roof lights, Lenscrete Ltd.

Owing to lack of space, the following list did not appear in our last issue.

Church at Lawrence Weston, Bristol. (June 1, page 686.) Architects: Burrough & Hannam, F./A.R.I.B.A. Structural Consultants: Wallace & Billing. Main Contractor: Hayward & Wooster Ltd. Sub-contractors: Concrete shell, Barchild Constructions Ltd.; windows, Williams & Williams Ltd.; patent glazing, Mellows & Co. Ltd.

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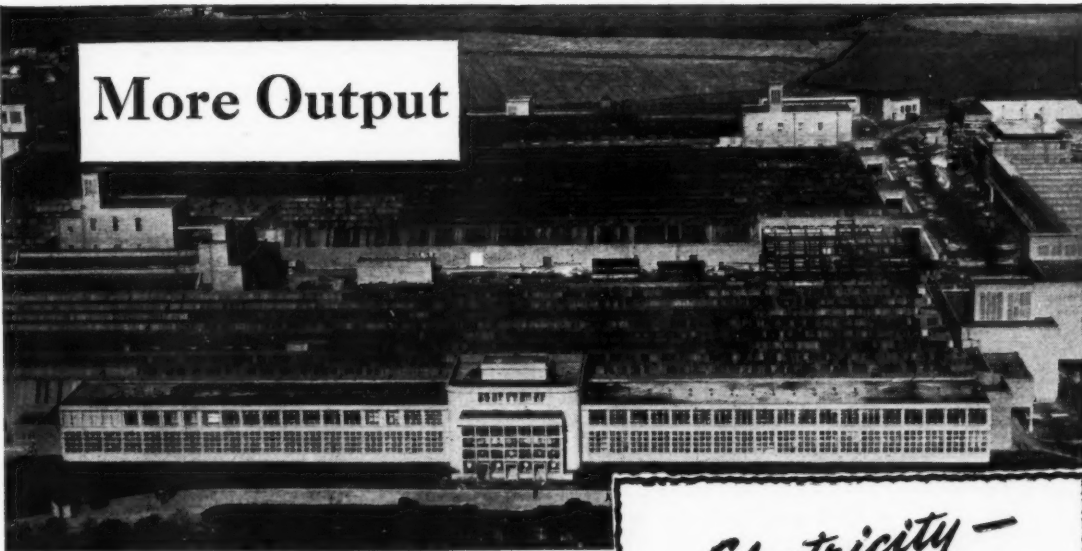
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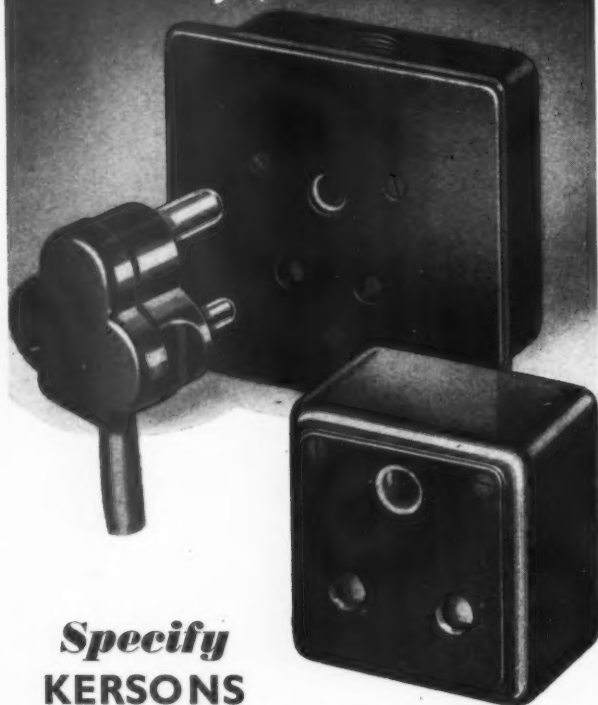
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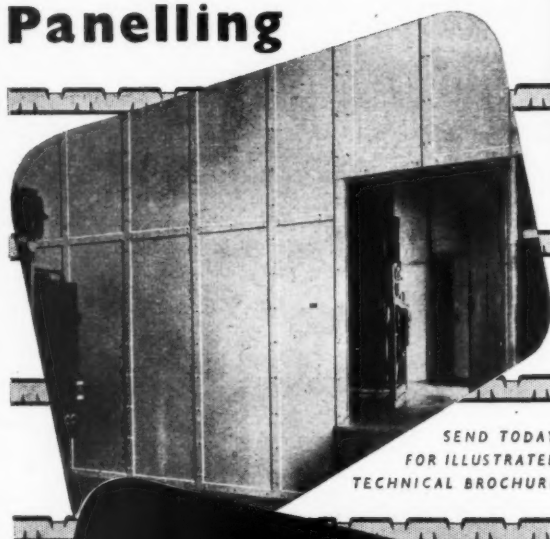
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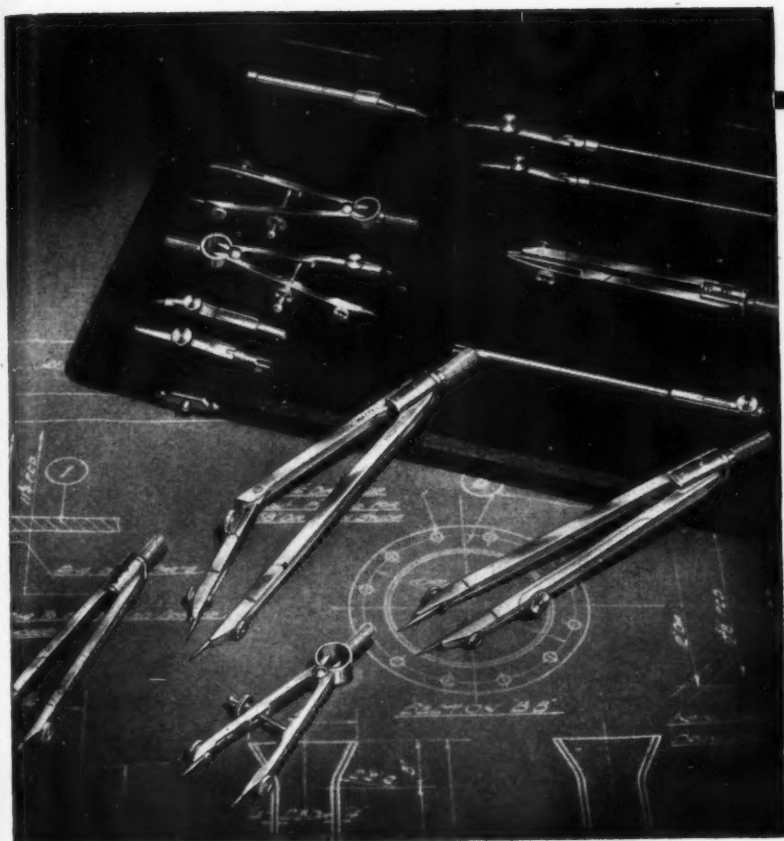
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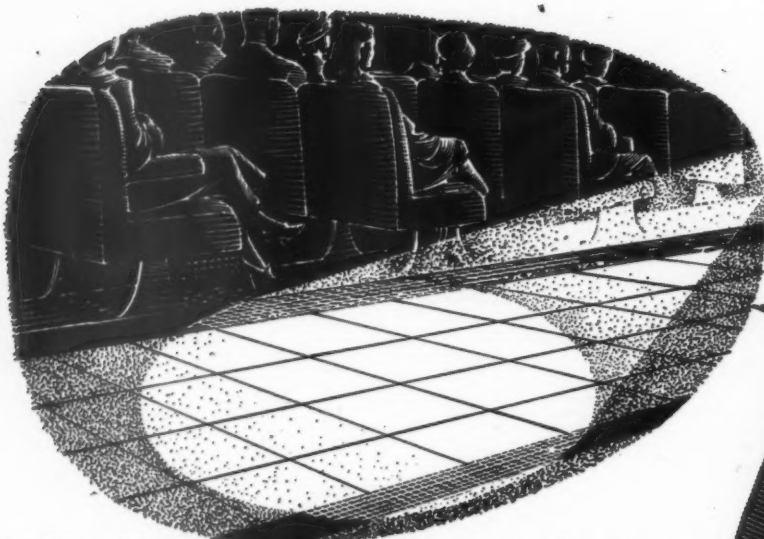
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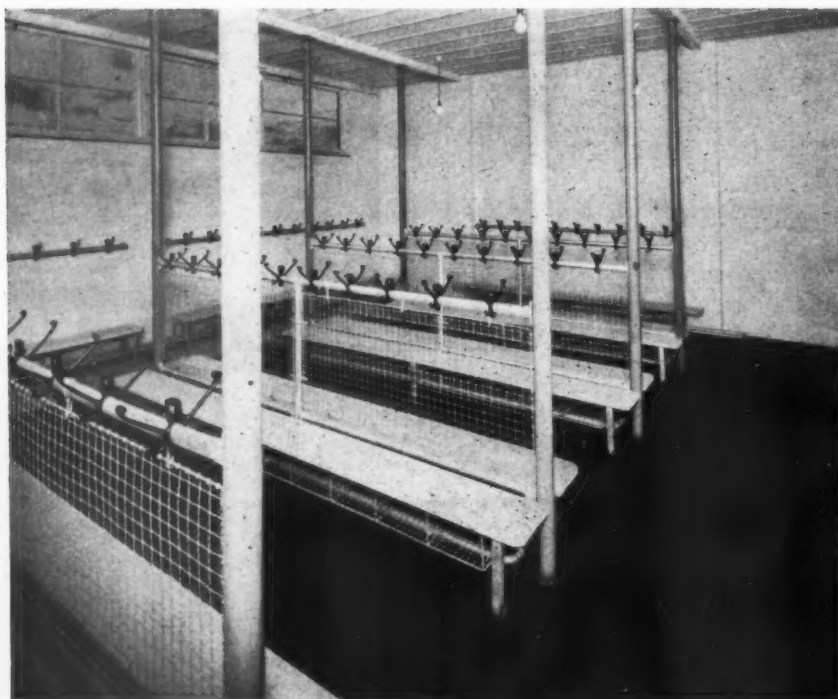
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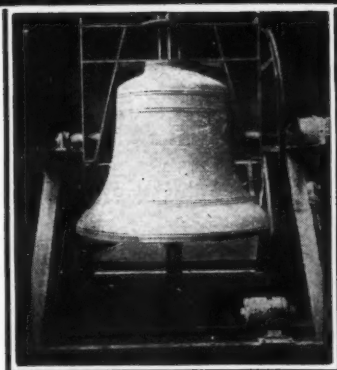
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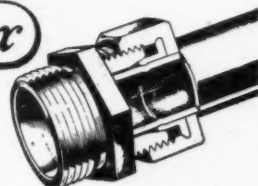
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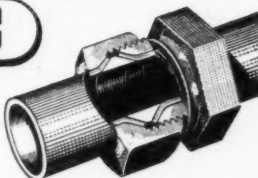
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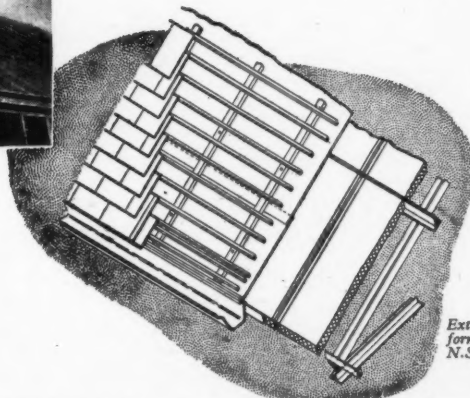
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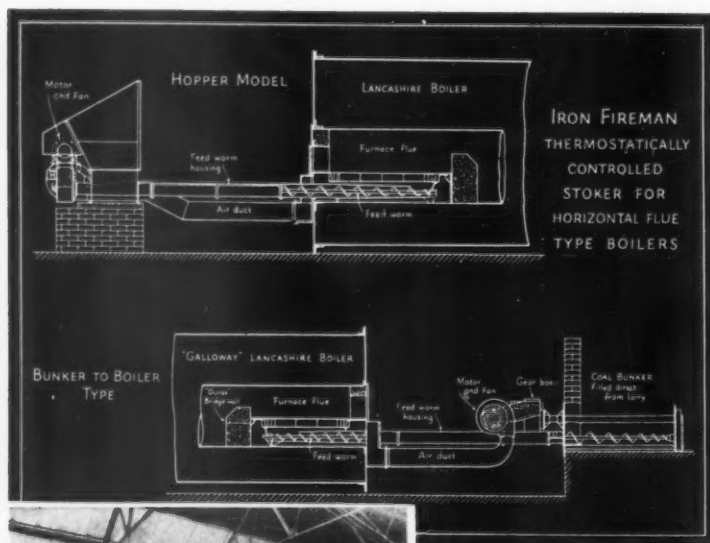
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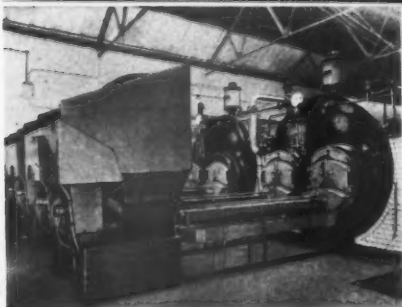
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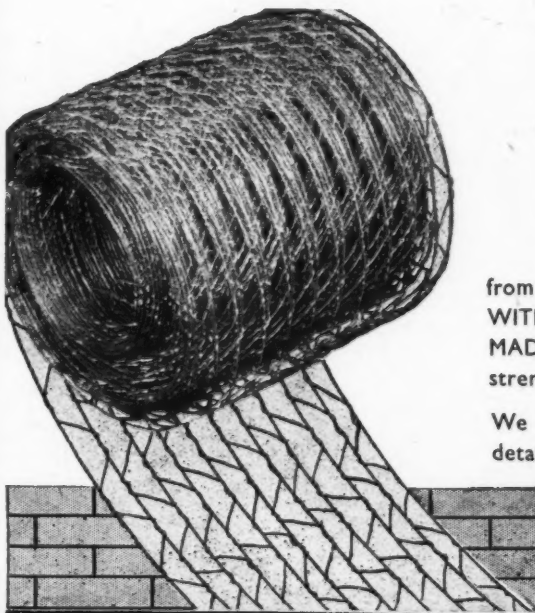
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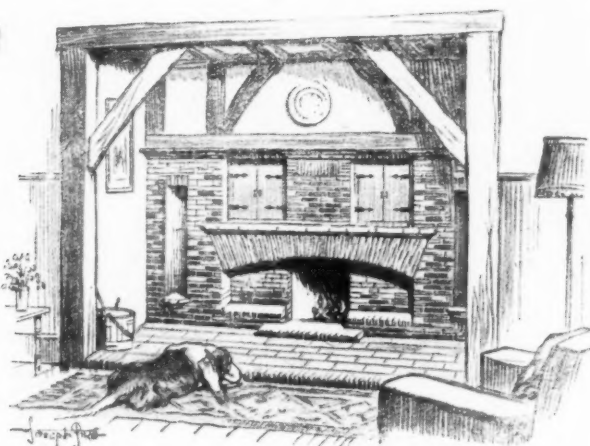
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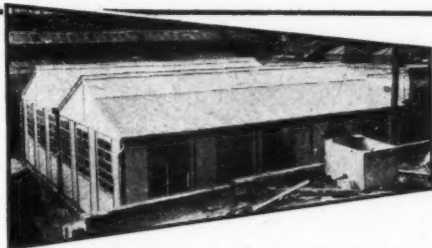
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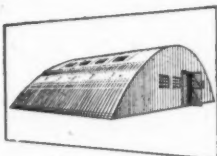
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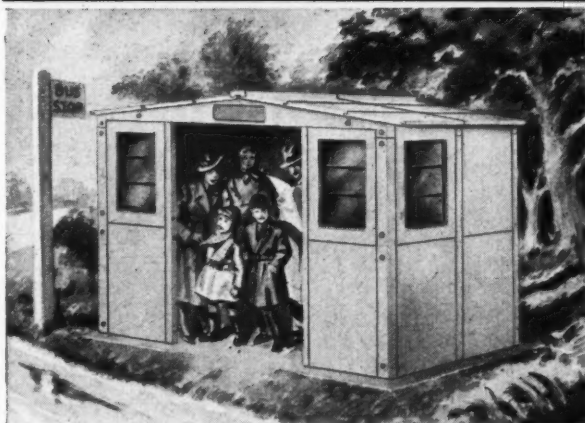
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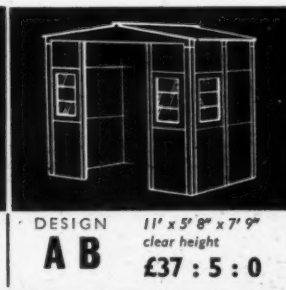
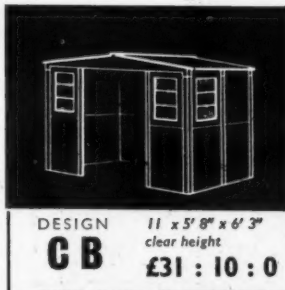
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A typical example of the adaptability of Batley Building Units, this Sectional Concrete Bus Shelter will have a special attraction for Councils and local authorities who can employ their own unskilled labour for its erection. With no prepared foundation necessary, and no parts to fix in the ground, it can be erected by two men in approximately four hours. It is permanent yet portable—a real boon when a bus stop is moved. Fixed steel framed windows are interchangeable with wall panels. Approximately half the cost of a similar brick built construction, it is completely weatherproof and fireproof and will last a lifetime without maintenance. These bus shelters have already been supplied to many local authorities throughout the country.

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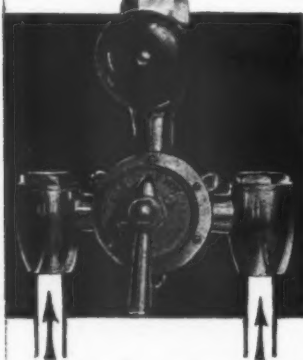
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The Thermostatic control makes it virtually impossible for the valve to deliver water at any temperature other than that which is required. Consequently the risk of scalding, or the risk of damage in process work is eliminated.

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Where there is a Leonard Valve there is no wastage; hot, warm, or cold water is delivered from the one tap, as and when required. No heat storage is necessary, and consequently radiation losses do not occur.

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The Leonard Thermostatic Mixing Valve can be quickly and easily introduced into your existing hot water system, and is as simple to service and maintain as an ordinary stop valve.

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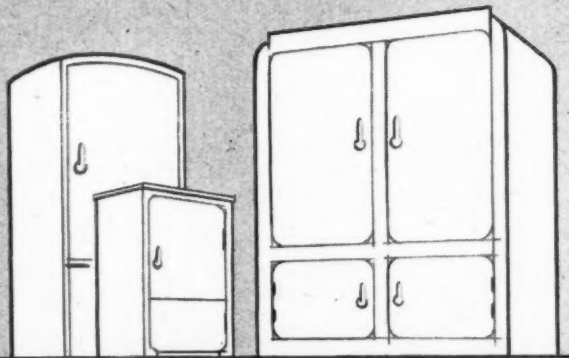
Manchester Office:

1, RIDGEFIELD, DEANSGATE, MANCHESTER
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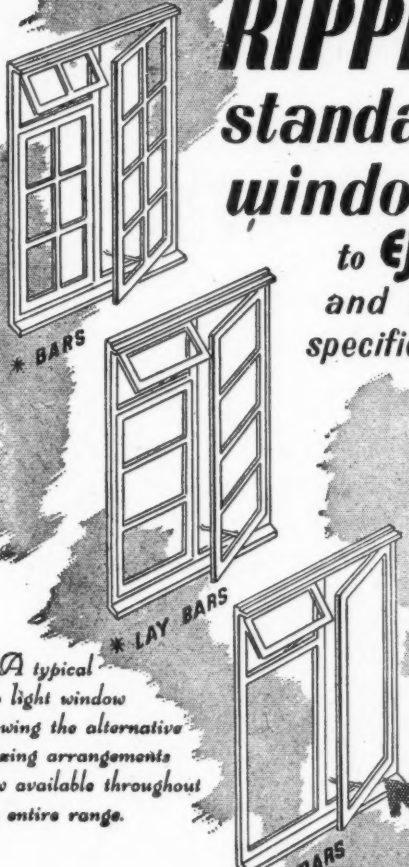
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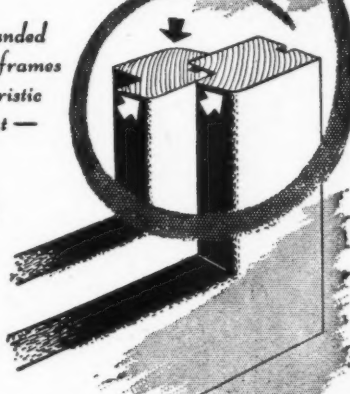
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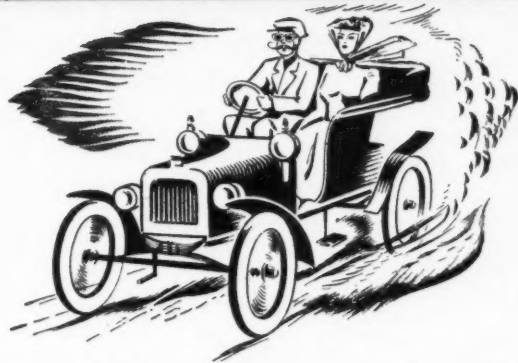
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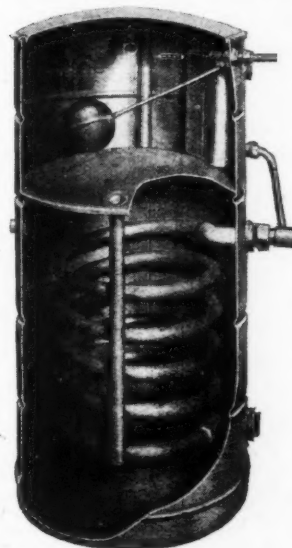
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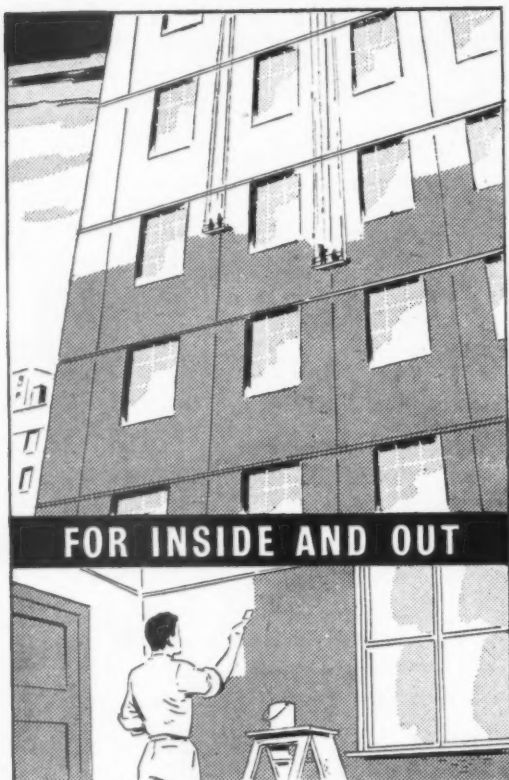
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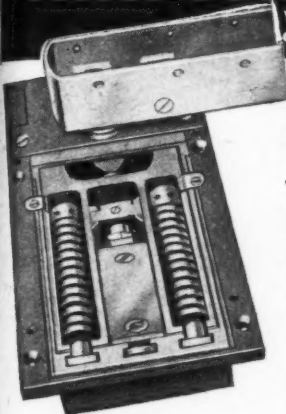
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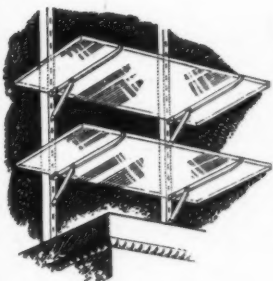
MetaMica provides the solution to many problems of insulation and surface finishing and foreshadows an entirely new technique in building. MetaMica is applied by our own operatives or nominated Sub-Contractors and a fully qualified Technical Department is always available for consultation and advice on any particular scheme.

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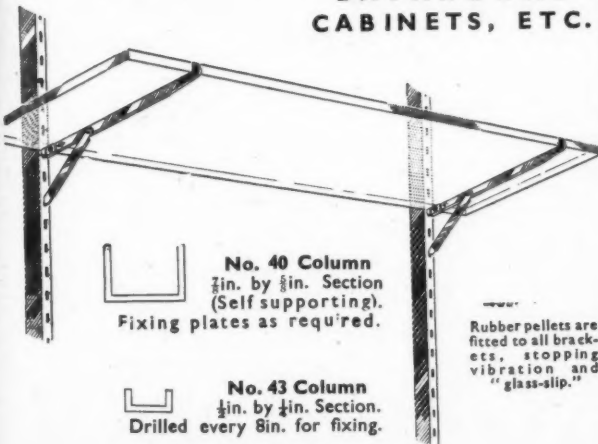
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No. 40 Column
3/4 in. by 3/4 in. Section
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Fixing plates as required.

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Drilled every 8 in. for fixing.

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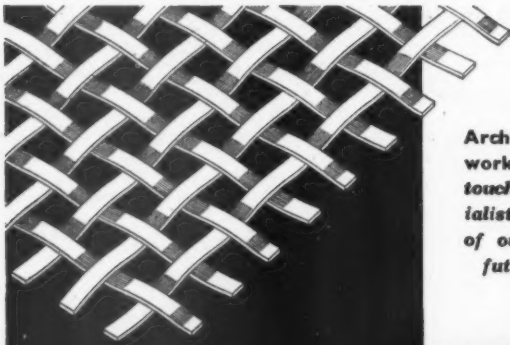


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BALDWIN'S NEW VARIATION of the well-known 'No. 200' combines the advantages of machine moulding with a sealed pin which is impervious to moisture and consequent rust, ensuring perfect fit and smooth opening and closing. (Patent 22741/48.)

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Cast iron butt hinges

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Poor Mr. Sorry's in trouble! Just because an otherwise unblemished builder has broken the first law of Cuprinology and left his floor boards and joists unprotected against the Ghost of Decay. If only that builder could hear what Mr. Sorry is saying he'd start studying Cuprinology now—by writing to Jenson & Nicholson Ltd., 36, St. James's St., London, S.W.1. Sole Distributors of Cuprinol in the U.K.

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CLASSIFIED ADVERTISEMENTS

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

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

Public and Official Announcement

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

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: EMPLOYMENT REGISTER, WREN PARK, WYTHLEAF, Tel.: Uplands 9935. 991

LONDON COUNTY COUNCIL

Applications are invited for unestablished positions of (1) ARCHITECT, Grade III (salaries up to £700 a year) and (2) ARCHITECTURAL ASSISTANTS (salaries up to £550 a year), in the Housing and Valuation Department. Commencing salaries in either grade 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 undertake 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. Preference will be given to candidates holding a recognised professional qualification.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required, and quote Ref. G.R.3.). Canvassing disqualifies. (2269) 1046

MINISTRY OF WORKS.

Vacancies exist for SENIOR and LEADING ARCHITECTURAL ASSISTANTS in London, at Risley (Warrington) and at Capenhurst (Cheshire), for drawing office duties in connection with important Research Establishments. Candidates should be of British nationality and have had a recognised Architectural training and good experience.

There are also vacancies for first-class DRAUGHTSMEN in the Senior Architectural Assistant Grade.

Salary:—Senior Architectural Assistants: London, £625-£750 per annum; Risley and Capenhurst, £595-£720 per annum.

Salary:—Leading Architectural Assistants: London, £500-£625 per annum; Risley and Capenhurst, £470-£595 per annum.

Rolet accommodation, for men, at reasonable cost is available at Risley, and there is a possibility of housing being available in the near future at Capenhurst.

Apply in writing, stating locality desired, age, training and experience, to Chief Architect, W.G.10/A.N., Ministry of Works, Abell House, John Islip Street, London, S.W.1. 3801

NORTH THAMES GAS BOARD.

Applications are invited for the following appointment in the Architects' Section of the Chief Engineer's Department of Westminster: SENIOR ARCHITECTURAL ASSISTANT, minimum starting salary £650 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 Staff Controller, North Thames Gas Board, 30, Kensington Church Street, London, W.8, quoting reference 9757. 4341

BARLOW DEVELOPMENT CORPORATION. Applications are invited for the under-mentioned posts in the Department of the Architect-Planner (Frederick Gibberd, F.R.I.B.A., M.T.P.I.):—

(a) ASSISTANT ARCHITECT. £650×£25 to £750 per annum.

(b) ASSISTANT ARCHITECT. £550×£25 to £650 per annum.

Experience of Factory design or housing would be regarded as an asset.

The appointments will be subject to the Corporation's Staff Rules and Conditions of Service (which are similar to the National Joint Council's Conditions of Service for Local Authorities' Administrative, Professional and Technical Staffs), and will in particular involve a contribution to a Superannuation Fund either in accordance with the Local Government Superannuation Act, 1937, or an Assurance Scheme.

The Corporation is prepared to assist the successful candidates in obtaining housing accommodation.

Applications, giving full details and names of two referees, should be addressed to the under-mentioned to reach him by the 19th June, 1950.

W. ERIC ADAMS,

General Manager.

"Terlings," Gilston, Harlow, Essex. 4452

CITY OF OXFORD.
CITY ARCHITECT AND PLANNING
OFFICER'S DEPARTMENT.

Applications are invited for the under-mentioned posts on the Permanent Staff of the City Architect and Planning Officer's Department:—

(a) SENIOR PLANNING ASSISTANT, Grade V, A.P.T. Division, £520×£15 (2)×£20 (1)—£570 per annum.

Applicants should be capable of undertaking duties in connection with the survey and preparation of the Development Plan, have had experience in Development Control, and must possess a knowledge of the Town and Country Planning Act, 1947.

Candidates should have passed the Final Examination of the Town Planning Institute, or hold a recognised Town Planning qualification.

Surveying, Engineering or Architectural qualifications will be deemed an advantage. Housing accommodation, if required, will be made available by the Council for the successful applicant for the above-mentioned post.

(b) JUNIOR PLANNING ASSISTANT, Grade I, A.P.T. Division, £390×£15—£435 per annum.

The successful applicant will be required to assist in general duties connected with the planning work of the City.

(c) ASSISTANT ARCHITECT, Grade V, A.P.T. Division, £520×£15 (2)×£20 (1)—£570 per annum.

Candidates should be capable of preparing sketch designs, full working drawings, specifications, etc., for either housing or educational buildings.

Candidates should be Registered Architects and Members of the Royal Institute of British Architects.

(d) ASSISTANT SURVEYOR (ESTATES AND PROPERTY PURCHASES).

The salary will be fixed within the range Grade I-V of A.P.T. Division (£390-£570 per annum), according to qualifications and experience of the successful applicants.

Applicants should be capable of the preparation of surveys, schedules of dilapidations, and in the negotiation of purchases, sales, and lettings in connection with the City Estates.

Preference will be given to qualified Members of the Royal Institution of Chartered Surveyors (Valuations and/or Estate Management Sub-division), and a knowledge of recent legislation, including the Town and Country Planning Act, 1947, will be an advantage.

(e) ASSISTANT QUANTITY SURVEYOR.

The salary will be fixed within the range Grade III-V of A.P.T. Division (£450-£570 per annum), according to qualifications and experience of the successful applicants.

Applicants should have good experience in measuring work on site, preparing interim certificates and final accounts for Housing schemes and other buildings, including alteration works, and a knowledge of estimating and taking off, abstracting and billing quantities.

Preference will be given to persons who have passed either the Intermediate or Final Examinations of the Royal Institution of Chartered Surveyors (Quantities) or other professional body.

Housing accommodation, if required, will be made available by the Council for the successful applicant for the above-mentioned post.

The appointments will be subject to the National Conditions of Service, the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Further details of the duties and Application Forms, which must be used in applying for the posts, may be obtained from E. G. Chandler, A.R.I.B.A., A.M.T.P.I., City Architect and Planning Officer, Town Hall, Oxford.

Applicants must clearly state for which post they wish to apply when writing for Forms, and these Forms must be returned to the City Architect and Planning Officer not later than Tuesday, the 20th June, 1950.

HARRY PLOWMAN,

Town Clerk.

4406

BOROUGH OF WORTHING.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant on the permanent establishment of the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade III (£450×£15 to £495).

Candidates should have a thorough knowledge of building construction and architectural design and be capable of preparing working drawings and details under supervision. They should preferably have passed at least the Intermediate Examination of the Royal Institute of British Architects.

The appointment will be subject to the National Scheme of Conditions of Service of Local Government Officers, to the Local Government Superannuation Act, 1937, and to the successful candidate passing satisfactorily a medical examination.

Applications, endorsed "Architectural Assistant," stating age, qualifications, present and previous appointments and experience, and accompanied by copies of two recent testimonials, should be forwarded to the Borough Engineer and Surveyor, Town Hall, Worthing, not later than 12 noon on Friday, 16th June, 1950.

ERNEST G. TOWNSEND,

Town Clerk.

Town Hall, Worthing.

25th May, 1950.

4453

COUNTY BOROUGH OF DERBY.
BOROUGH ARCHITECTS' DEPARTMENT.

Applications are invited for the following appointment on the permanent staff, in accordance with the National Scale of Salaries:—

ONE JUNIOR QUANTITY SURVEYOR, Grade I/II. Salary £390-£465.

Applicants should be not less than 21 years of age and should be experienced in working up bills of quantities and general assistance to Senior Quantity Surveyors.

The appointment will be subject to one month's notice in writing on either side, and to the terms of the National Joint Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Form of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 19th June, 1950.

Canvassing, directly or indirectly, will be a disqualification.

E. H. NICHOLS,

Town Clerk.

4419

CARDIGANSHIRE COUNTY COUNCIL.
APPOINTMENT OF PRINCIPAL ASSISTANT ARCHITECT.

Applications are invited for the above permanent position in the County Architect's Department, Aberystwyth, on A.P.T., Grade VI (£595-£660).

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

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

Applications, stating age, qualifications, details of experience, present and previous appointments, present salary, together with two recent testimonials and names of two referees, are to be delivered to the undersigned, within two weeks of the publication of this advertisement.

ERIC CARSON,

Clerk of the Cardiganshire County Council.

Cambrian Chambers, Aberystwyth.

23rd May, 1950.

4415

CARDIGANSHIRE COUNTY COUNCIL.
APPOINTMENT OF CLERK OF WORKS.

Applications are invited for the post of Clerk of Works in the County Architect's Department, Aberystwyth, to supervise the erection of mainly educational buildings in the Aberystwyth and Aberystwyth districts.

The appointment will be temporary, but it is anticipated to be for a period of at least 18 months, and will be subject to 4 weeks' notice on either side.

The inclusive salary will be between £8 to £10 per week, according to experience and qualifications.

Applicants must have a thorough knowledge of the building trade, must be conversant with plans and specifications and Bills of Quantities, competent in the measuring and setting out of work and maintaining records, and be able to prepare progress reports.

Applications, stating age, present and previous appointments, present salary, qualifications, details of experience, together with two recent testimonials and the names of two referees, should reach the undersigned within two weeks of the publication of this advertisement.

ERIC CARSON,

Clerk of the Cardiganshire County Council.

Cambrian Chambers, Aberystwyth.

23rd May, 1950.

4414

HIS MAJESTY'S COLONIAL SERVICE.

TOWN PLANNING OFFICERS are required by the Government of Nigeria.

The selected officers will be appointed either on probation for permanent and pensionable employment, at a salary within the incremental scale £720 to £1,300 (consolidated) or on contract at a flat-rate salary within the scale £800 to £1,450 per annum (consolidated), point of entry in each case depending on age, experience, war service and professional qualifications.

In addition a temporary non-pensionable cost-of-living allowance of £102 to £165 per annum is payable. An outfit allowance of £50 is paid on first appointment on salaries under £970. Partly furnished Government quarters are provided, if available, at a rental of £50, £75 or £90 per annum, according to salary, and income tax is payable at low West African rates only. Candidates must be Associate Members of the Town Planning Institute, and should have had experience in the Town Planning branch of a Municipal or other local authority in the design and execution of Town Planning Schemes. Preference will be shown to candidates possessing, in addition, professional engineering qualifications.

Tours of duty last from 12-24 months. Terms of service include free first-class passages for the officer and, if married, for his wife, once each way each tour, free medical attention, and home leave on full pay at the rate of seven days per month of resident service.

Applicants should write at once to the Director of Recruitment (Colonial Service), Sanctuary Buildings, Great Smith Street, London, S.W.1, stating age, professional qualifications and experience, and quoting reference No. 27281/7. 4459

SOUTHERN RHODESIA GOVERNMENT. VACANCIES: TOWN PLANNING OFFICERS. Applications are invited for posts as ASSISTANT TOWN PLANNING OFFICERS in the Town Planning and Local Government Office of the Southern Rhodesia Government. Applicants should have passed the Final Examination of the Town Planning Institute (or an examination recognised for an exemption therefrom), and preference will be given to candidates holding a recognised qualification in Civil or Municipal Engineering or in Architecture. Previous experience in planning is desirable but not essential. Applicants must be under the age of 40 years.

Salary Scale.
£600 × £34—£668 × £33—£800 × £100—£900 × £40—£1,140 per annum.

In addition to salary, cost-of-living, children's and marriage allowances are payable in terms of regulations. Commencing salary, inclusive of allowances, will be determined according to approved experience after qualifications as follows:—

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		Batchelor.	Married no children.	Married 1 child.	Married 2 children.
None ..	600	688	734	798	822
1 year ..	634	727	777	837	861
2 years ..	668	765	815	875	899
3 years ..	701	803	853	913	937
4 years ..	734	842	892	952	976
5 years ..	767	880	930	990	1,014

Successful applicants who hold a recognised qualification in Civil or Municipal Engineering or in Architecture in addition to the Final Examination of the Town Planning Institute will be granted an additional step in the scale in respect of these qualifications.

Transfer of Pension Rights.

In certain circumstances it may be possible for a successful applicant's pension rights to be maintained. Full particulars may be obtained from the address given below.

Medical Examination.

Appointment will be subject to the successful applicants obtaining a satisfactory medical certificate at an examination by a Medical Officer appointed by the Southern Rhodesia Government.

Income Tax.

At present the first £800 of income is tax free in the case of married persons, and the first £360 in the case of single persons. Rebates are granted in respect of dependent children and in respect of insurance premiums and pension contributions, etc. The rate of taxation for married persons is, 6d. in the £ and 3s. 6d. in the £ in the case of single persons.

Application forms and further information may be obtained from the Secretary to the High Commissioner for Southern Rhodesia, 429, Strand, London, W.C.2, to whom completed forms should be returned not later than the 15th July, 1950.

Canvassing will disqualify applicants. 4416

URBAN DISTRICT COUNCIL OF WARE. ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, at a salary in accordance with Grade A.P.T., V, of the National Scheme (£520-£570 per annum).

The Council will consider providing housing accommodation for the successful applicant if desired.

Applicants should have sound experience of housing work, the preparation of working drawings, the supervision of work under construction and other architectural work of a local authority, and should be Registered Architects holding A.R.I.B.A. or other equivalent qualification.

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

The successful candidate will be required to pass a medical examination.

Application forms may be obtained from Mr. W. J. Davis, A.M.I.C.E., M.I.Mun.E., A.M.T.P.I., Engineer and Surveyor, The Priory, Ware, and applications, together with copies of three recent testimonials, must be received by the undersigned not later than the 26th June, 1950.

Canvassing, directly or indirectly, will disqualify.

LESLIE G. SOUTHALL.

Clerk of the Council.

The Priory, Ware.

31st May, 1950. 4472

SOUTH-EASTERN REGIONAL HOSPITAL BOARD, SCOTLAND.

Applications are invited for the superannuable appointment of Chief Regional Engineer, at a salary scale of £1,350 by £50 to £1,550 per annum.

Applicants must be engineers of professional standing and be Corporate Members of either the Institute of Civil Engineers, the Institute of Mechanical Engineers, or the Institute of Electrical Engineers, with wide experience of all branches of hospital engineering design and operation.

Applications, giving full particulars of qualifications and experience, together with the names and addresses of three referees, should be forwarded to the Secretary to the South-Eastern Regional Hospital Board, Scotland, 11, Brumaugh Gardens, Edinburgh, 3, not later than 28th June, 1950. 4440

STEVENAGE NEW TOWN.

The Stevenage Development Corporation invite applications for the following posts in the Department of Architecture and Planning (Chief Architect and Planner, Clifford Holliday, M.Arch., F.R.I.B.A., M.T.P.I.):—

(1) ASSISTANT ARCHITECT/PLANNERS, Grade IV. Salary £550 × £30—£750.

Applicants should be fully qualified Architects and in addition should be Members of the Town Planning Institute or have completed a degree or diploma course in town planning, and will be required to work as members of the Planning team in this Department.

(2) ASSISTANT QUANTITY SURVEYOR, Grade IV. Salary £550 × £30—£750.

Applicants must have had experience of large building contracts and be prepared to undertake the preparation of Bills for all types of work, the measurement of variations, and the settlement of final accounts.

(3) JUNIOR ARCHITECTS, Grade V(b). Salary £465 × £25—£525.

Candidates for these posts should have either passed the R.I.B.A. Final Examination or have completed a degree or diploma course at a recognised school of architecture.

The initial salaries will be fixed according to qualifications and experience.

Successful applicants will be required to contribute to a Local Government Superannuation Fund or an insurance scheme.

Housing accommodation for successful married applicants should be available before the end of the year.

Canvassing, directly or indirectly, of members or staff of the Corporation will disqualify.

Forms of application may be obtained from the Chief Administrative Officer, Stevenage Development Corporation, Aston House, Aston, near Stevenage, Herts., to whom completed forms should be returned not later than 21st June, 1950. 4413

GOVERNMENT OF NORTHERN IRELAND. MINISTRY OF FINANCE.

CHIEF ARCHITECT'S BRANCH.

ARCHITECTURAL ASSISTANTS.

Applications are invited for posts of Architectural Assistant in the Ministry of Finance. Appointments will be non-pensionable, but successful candidates will be eligible for consideration for appointment to pensionable posts as vacancies arise. Rates of pay will be fixed in accordance with the experience and qualification of the successful candidates and will be within the range £400-£540.

Qualifications: Candidates must have passed the Intermediate Examination of the Royal Institute of British Architects and have had at least two years' experience in an Architect's Drawing Office.

Preference will be given to candidates who have served with H.M. Forces in war-time, provided the Ministry is satisfied that such candidates can, or within a reasonable time will be able to, discharge the duties efficiently.

Applications, giving date of birth, full details of training and qualifications, should be sent immediately to the Director of Establishments, Ministry of Finance, Stormont. 4411

MIDDLESEX COUNTY COUNCIL ARCHITECT'S DEPARTMENT.

Architectural Staff required in connection with the Further Education Building Programme:—

(1) GROUP ARCHITECT. Commencing salary £900 p.a. × £30—£1,050, plus any cost-of-living bonus (not £60 p.a.).

(2) DEPUTY GROUP ARCHITECT. A.P.T., IX. (£780 × £50—£930 p.a.).

(3) ASSISTANT ARCHITECTS. A.P.T., VIII (£715-£790 p.a.).

(4) ASSISTANT ARCHITECTS. A.P.T., VII (£665-£740 p.a.).

(5) ASSISTANT ARCHITECTS. A.P.T., VI (£625-£690 p.a.).

Established posts subject to medical fitness. Candidates should be registered Architects. Application forms obtained from C. G. Stillman, F.R.I.B.A. (stamped addressed foolscap envelope), 10, Great George Street, Westminster, S.W.1, to be returned by 26th June, 1950 (quoting H.62 AJ). Canvassing disqualifies.

C. W. RADCLIFFE.

Clerk of the County Council.

Guildhall, Westminster, S.W.1. 4454

HIS MAJESTY'S COLONIAL SERVICE.

Vacancies exist for ASSISTANT ARCHITECTS in Aden. Salary in the scale £650-£1,350 per annum; point of entry depending on age, qualifications, and approved War service.

Candidates must be registered Architects and Associates of the Royal Institute of British Architects, and should be capable designers and be able to take charge of works from scale plans to completion. Specialised experience in hospital and school buildings would be an advantage.

The appointment is on contract/gratuity terms for three years in the first instance. Terms of appointment include free first-class passages for the officer and his wife and children up to a maximum of four, partly furnished Government quarters, if available will be provided at a rent not exceeding 10 per cent. of salary; leave on full salary after tours of from 18 to 24 months at the rate of seven days per month of resident service. Income tax at local rates.

Intending candidates should write at once for Form of Application and further particulars, giving brief details of age, qualifications and experience, to the Director of Recruitment (Colonial Service), Sanitary Buildings, Great Smith Street, London, S.W.1, quoting the reference No. 27301/1. 4460

LONDON COUNTY COUNCIL. BRIXTON SCHOOL OF BUILDING, FERNDALE ROAD, S.W.4.

A SENIOR ASSISTANT is required as soon as possible.

Applicants should have responsible experience in the building industry or in one of the associated professions, and should be Corporate Members of the appropriate professional institution or hold a comparable qualification. They should be competent to teach either Quantity Surveying or Building Construction, and be prepared to undertake responsibility for the organisation and supervision of special adult and post-graduate evening courses. Teaching experience is essential. Salary £736 × £25—£848, with additions for approved qualifications and training. Application forms (stamped foolscap envelope necessary) are obtainable from the Secretary at the School, and should be returned by 1st July, 1950. (703) 4432

BOROUGH OF CAMBERWELL.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited from suitably qualified persons for the under-mentioned permanent posts:—

ARCHITECTURAL STAFF:

(1) SENIOR ASSISTANT ARCHITECT. A.P.T., VII/VIII (£665 to £790, including £30 London weighting).

Applicants must have had sound experience in general architectural work and have passed the Final Examination of the Royal Institute of British Architects. The duties will include the preparation of sketch designs, working drawings and specifications, and supervision of work under construction.

(2) and (3) TWO ASSISTANT ARCHITECTS. A.P.T., V/VI (£550 to £690, including £30 London weighting).

Applicants should have sound general experience in Architectural work and be Registered Architects.

(4) ASSISTANT ARCHITECT. A.P.T., III/IV (£480 to £555, including £30 London weighting).

Applicants should have passed the R.I.B.A. Intermediate Examination or its equivalent, and have had at least two years' experience in an architectural office.

All the above appointments are subject to:—

(i) The National Scheme of Conditions of Service.

(ii) The provision of the Camberwell and other Metropolitan Borough Councils (Superannuation) Act, 1908, as amended.

(iii) The passing of a medical examination.

Housing accommodation cannot be provided by the Council.

Applications from staff in the service of other local authorities will not be considered unless they have been in the service of their present employers for a period of not less than two years.

Applications, on forms to be obtained from the undersigned, must be returned not later than Saturday, 1st July, 1950.

DARRELL MUSKER.

Town Clerk.

Town Hall, Camberwell, S.E.5. 4433

MINISTRY OF WORKS.

There are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS, with recognised 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.

Salary: Architectural Assistants, £300-£525 per annum, plus overtime. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a small deduction is made in the Provinces.

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/AT, Ministry of Works, Abell House, London, S.W.1. 4083

COUNTY BOROUGH OF HALIFAX. BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments:—

ARCHITECTURAL:

ARCHITECTURAL ASSISTANT (Schools). Two positions. Salary A.P.T., V (£520-£570).

QUANTITY SURVEYOR. Salary A.P.T., IV (£480-£525).

ENGINEERING:

ENGINEERING ASSISTANT. Salary A.P.T., V (£520-£570).

HEATING AND VENTILATING ASSISTANT. Salary A.P.T., IV (£480-£525).

BUILDING INSPECTOR:

BUILDING INSPECTOR. Salary A.P.T., II (£420-£465).

Candidates should possess appropriate technical qualifications, and will be required to pass a medical examination. The appointments will be subject to the conditions of service adopted by the Corporation and to the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, present position, salary and experience, accompanied by copies of three recent testimonials, should be appropriately endorsed and delivered to the undersigned not later than Wednesday, 14th June, 1950.

RICHARD DE Z. HALL.

Town Clerk.

Town Hall, Halifax.

26th May, 1950. 4434

EAST SUFFOLK COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following post in the County Architect's Department:—
ONE ASSISTANT QUANTITY SURVEYOR. A.P.T., Grade IV. Consolidated salary, £480-£525. The commencing salary in the grade will be fixed according to the qualification and experience of the candidate.

Applicants should preferably have passed the Intermediate Examination of the R.I.C.S. (Quantities Division) and have had some experience in a Quantity Surveyor's office. They should have some knowledge of all stages of the work for the preparation of Bills of Quantities, including estimating, site measurement and preparation of interim certificates and the preparation and settlement of final accounts.

The successful candidate will be required to work under the direction of the Senior Quantity Surveyor.

The appointment will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications, and full details of previous experience, accompanied by copies of three recent testimonials, should be sent to E. J. Symcox, F.R.I.B.A., County Architect, County Hall, Ipswich, not later than 16th June, 1950.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

G. C. LIGHTFOOT,

Clerk of the Council.

County Hall, Ipswich.

4458

EAST SUSSEX COUNTY COUNCIL.

Applications are invited for the appointment of **PLANNING ASSISTANT**, in the County Planning Office, with salary within A.P.T. Grade II (£420-£465), according to qualifications and experience. Candidates should be expert draughtsmen and colourists, and be able to undertake the revision of Ordnance Survey maps. Previous experience in a planning office is desirable but not essential.

The appointment is subject to such conditions of service as may from time to time be approved; it is terminable by one month's notice on either side and is superannuable, and a candidate to be successful must pass a medical examination to the satisfaction of the County Medical Officer. Canvassing, either directly or indirectly, will disqualify, and a candidate who is related to a member of, or a senior officer under, the Council must disclose the fact in his application.

Applications for forms may be obtained from the County Planning Officer at the County Hall, Lewes, and must be returned to me not later than 24th June, 1950.

H. S. MARTIN,

Clerk of the County Council.

County Hall, Lewes.

4457

HORNCHURCH URBAN DISTRICT COUNCIL.

ENGINEER & SURVEYOR'S DEPARTMENT. Applications are invited for appointment as **ARCHITECTURAL ASSISTANT**, at a commencing salary of £450 p.a., rising by annual increments of £15 to £495 p.a. Full particulars of the appointment and forms of application are obtainable from the Engineer and Surveyor at this address.

P. L. COX,

Clerk of the Council.

Council Offices, Billet Lane, Hornchurch, Essex.

4436

HIS MAJESTY'S COLONIAL SERVICE.

TOWN PLANNING OFFICERS are required by the Government of the Gold Coast. The selected officers will be appointed either on probation for permanent and pensionable employment at a salary within the incremental scale £660 to £1,300 (consolidated) or on contract for two tours in the first instance at a flat-rate salary within the scale £711 to £1,450 per annum (consolidated), point of entry in each case depending on age, experience, and professional qualifications. In addition, a temporary non-pensionable cost-of-living allowance of £102 to £165 per annum is payable, depending on salary. In outfit allowance of £30 to £60 is paid on first appointment. Partly furnished Government quarters are provided, if available, at a rental of £60, £75 or £90 per annum, according to salary, and income tax is payable at low West African rates only.

Candidates must be (i) Associate Members of the Town Planning Institute or in possession of the Joint Examination Board Certificate in Town Planning, and (ii) Associates of the Royal Institute of British Architects or Associate Members of the Institution of Civil Engineers or Associate Members of the Institution of Municipal Engineers by Testamur examination. Three to five years' experience in a town planning office of a public body or consultant is also necessary.

Tours of duty last from 12-24 months. Terms of service include free first-class passages for the officer and, if married, for his wife and children up to three in number and under 9 years of age, once each way each tour, free medical attention, and home leave on full pay at the rate of seven days per month of resident service.

Applicants should write at once to the Director of Recruitment (Colonial Service), Sanctuary Buildings, Great Smith Street, London, S.W.1, stating age, professional qualifications and experience, and quoting reference No. 27281/26. 4462

HIS MAJESTY'S COLONIAL SERVICE.

A vacancy exists for a **TOWN PLANNING OFFICER** in the Town Planning Division of the Surveys and Town Planning Department of Tanganyika. The appointment is permanent and pensionable, subject to confirmation after a two-year probationary period. Starting salary for an officer with the requisite approved experience will be £1,050 in a scale rising to a maximum of £1,320, with a promotion bar at £1,140.

Applicants should be under 45 and must be Associate Members of the Town Planning Institute and, in addition, should be Corporate Members of either the Institution of Civil Engineers, the Institution of Municipal Engineers, the Royal Institute of British Architects or the Chartered Surveyors' Institution. Considerable experience of the preparation of town planning schemes in all stages and the control of development are essential.

The officer appointed will be responsible to the Chief Town Planning Officer for the accumulation of basic data and the preparation of planning schemes for a number of townships in the Territory. In the first instance, he will normally be stationed in Dar-es-Salaam, but will be required to undertake extensive journeys to up-country townships. The work is of unusual interest professionally, and affords good opportunities for travel by air, road and rail within the Territory.

Terms of service include free first-class passages each way each tour for the officer, his wife and children (up to a maximum of three adult passages in all). Free medical attention for the officer, which is extended to his wife and family when his salary is below £1,140. Government quarters, if available, are provided, at a rent of 10 per cent. of the salary. Home leave on full pay after tours of two to three years, at the rate of 5 days for each month of residential service. Income tax and local taxes at local rates.

Intending candidates should write at once for application forms and further particulars to the Director of Recruitment, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, giving brief details of age, qualifications and experience, and quoting reference number 27281/22A. 4461

GLOUCESTERSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of **ASSISTANT ARCHITECTS** and **ARCHITECTURAL ASSISTANTS**, on A.P. and T. Grade VI, V and IV, according to experience and qualifications. Candidates for the Grade VI appointments must be qualified Members of the R.I.B.A., with not less than 4 years' experience with a local authority, and candidates for Grade V must be qualified Members of the R.I.B.A.

Appointments will be subject to the Local Government Superannuation Act, 1937, and candidates, before appointment, will be required to pass a medical examination.

Applicants should state whether or not they possess a motor car and/or hold a driving licence. The appointments will be terminable by one month's notice on either side.

Applications, stating (1) name and address, (2) married or single, (3) age, (4) qualifications, (5) present position, salary and date of appointment, (6) previous positions with dates and salaries, (7) particulars of experience, and giving the names and addresses of two persons to whom reference can be made, should be sent to S. E. Urwin, F.R.I.B.A., County Architect, Shire Hall, Gloucester, not later than Wednesday, 14th June, 1950.

GUY H. DAVIS,

Clerk of the County Council.

22nd May, 1950.

4397

HUNTINGDON COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) **ARCHITECTURAL ASSISTANT**, Grade IV, A.P.T. Salary £480-£515 to £525 per annum.
(b) **ARCHITECTURAL ASSISTANT**, Grade II, A.P.T. Salary £420-£455 to £465.

Previous experience in local government service is not essential.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications should be submitted to S. J. Hands, A.R.I.B.A., County Architect, County Buildings, Huntingdon, by not later than Monday, 12th June, 1950, with two recent testimonials or the names of two persons to whom reference may be made.

JOHN KELLY,

Clerk of the County Council.

County Buildings, Huntingdon.

4426

CITY OF COVENTRY ARCHITECTURAL AND PLANNING DEPARTMENT.

The City Architect and Planning Officer, Mr. Donald Gibson, invites applications from **ARCHITECTS** interested in contemporary schemes for a vacancy on Grade A.P.T., VII, on the permanent staff of this Department.

The person appointed will be working in the first place on a new College of Further Education, which must be commenced in this calendar year.

Will interested persons kindly apply to the City Architect for a copy of the usual form of application.

Housing accommodation may be made available in certain circumstances to the successful applicant if so desired.

City Architectural and Planning Department, 1a, Warwick Row, Coventry. 4427

BRITISH ELECTRICITY AUTHORITY.

SOUTH-EAST SCOTLAND DIVISION.

Applications are invited for an **ARCHITECTURAL ASSISTANT**, in the Generation (Construction) Department at Divisional Headquarters, Portobello, Midlothian. Applicants should have had a recognised architectural training, be competent draughtsmen, and have had experience in the design of commercial and industrial buildings.

The salary, which is provisional, will commence within Class AX, Grade V (£579-£710 per annum), of the N.J.B.'s Agreement, according to qualifications and experience.

The appointment will be superannuable in accordance with the British Electricity Authority and Area Boards Superannuation Scheme.

Applications, stating age, experience, and present position, should be submitted not later than 14th June, 1950, to the Divisional Controller, British Electricity Authority, South-East Scotland Division, British Electricity House, High Street, Portobello, Midlothian. 4412

METROPOLITAN BOROUGH OF POPLAR. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited from suitably qualified persons for the under-mentioned established posts:—

(a) **ARCHITECTURAL ASSISTANT** (£520-£570) (commencing salary £520 per annum, rising to £570 per annum, plus £10 to £30 "weighting," according to age).

(b) **ARCHITECTURAL ASSISTANT** (£315-£360) (commencing salary £315 per annum, rising to £360 per annum, plus £10 to £30 "weighting," according to age).

Full details of the appointment and forms of application 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 Thursday, 15th June, 1950.

Requests for application forms should state clearly for which post the form is required. Poplar Town Hall, Bow Road, E.3. 4442

COUNTY OF ESSEX.

ILFORD COMMITTEE FOR EDUCATION.

The Essex County Council invite applications for an **ASSISTANT ARCHITECT** in the Office of the Borough Engineer of Ilford.

Applicants should be Members of the Royal Institute of British Architects, and have had considerable experience in the planning, designing, construction and supervision of school buildings, and have had administrative experience.

The scale of salary will be in accordance with the National Joint Council, A.P.T. Division, Grade VII, £635-£725 to £710, plus the appropriate London area allowance. There will also be paid such travelling and subsistence allowances as may from time to time be determined by the Council.

Applications should be made on a form to be obtained from, and returned to, the Borough Education Officer, Education Offices, Town Hall, Ilford, together with copies of not more than three recent testimonials, within 14 days of the appearance of this advertisement. 4441

BOARD OF MANAGEMENT

FOR

COATBRIDGE, AIRDRIE AND DISTRICT HOSPITALS.

The appointment is shortly to be made of an **ARCHITECT** to prepare plans for the conversion of Wester Moffat I.D. Hospital and Sanatorium, Airdrie, for use as a maternity hospital.

Architects, whose place of business is situated in Glasgow or Lanarkshire, and who wish to be considered for appointment for this work, are invited to communicate with the undersigned before Saturday, 17th June, 1950, to have their names placed on the list of architects from whom the selection will be made.

GEORGE G. WATSON,

Secretary and Treasurer.

Hairmyres Hospital, East Kilbride.

4431

ROSS AND WHITCHURCH RURAL DISTRICT COUNCIL.

Applications are invited for the appointment of **ASSISTANT ARCHITECT (Temporary)** at an annual salary in accordance with A.P.T., Grade III. The appointment will be for at least three years, subject to satisfactory service.

Candidates should have a thorough knowledge of architectural works, with practical experience in the design and development of housing schemes, and the preparation of specifications, and be capable of supervising and controlling contracts. The appointment is a whole-time one and private practice is prohibited.

The Council is prepared to offer immediately the tenancy of a Council house if the person appointed is married.

The successful candidate, who will be required to pass a medical examination and conform to the National Conditions of Service, will be required to provide a car for use in connection with his official duties, for which travelling expenses in accordance with the National Joint Council's scale will be allowed.

Applications, stating age, experience, and qualifications, and accompanied by copies of three recent testimonials, must be received by me not later than Wednesday, 14th June, 1950.

Canvassing, either directly or indirectly, will be a disqualification.

D. H. THOMAS,

Clerk of the Council.

Woodside, Ross-on-Wye.

26th May, 1950.

4439

BOROUGH OF TORQUAY.
BOROUGH SURVEYOR'S DEPARTMENT.
Applications are invited for the following appointments, which in each case will be for a minimum period of three years:—

(a) SENIOR ARCHITECTURAL ASSISTANT. Grade A.P.T., VII, £635, rising by three annual increments to £710.

(b) GENERAL ARCHITECTURAL ASSISTANT. Grade A.P.T., V, £520, rising by three annual increments to £570.

Applicants for (a) should be fully qualified Architects, and have considerable experience in housing work.

Applicants for (b) should have passed the Intermediate Examination of the R.I.B.A., and should have previous experience in housing.

Successful candidates must pass a medical examination. The appointments will be terminable by three months' notice on either side. The Corporation will find living accommodation for the successful applicants, if required, within reasonable time of commencing duties.

Applications, suitably endorsed, giving age, experience, qualifications, etc., together with copies of three recent testimonials, should be sent to the Borough Surveyor, Town Hall, Torquay, by Saturday, 17th June.

T. ELVED WILLIAMS, Town Clerk.

26th May, 1950. 4438

COUNTY BOROUGH OF MIDDLESBROUGH.
EDUCATION COMMITTEE.
ARCHITECTURAL STAFF.

Applications are invited for posts of ASSISTANT ARCHITECTS and ARCHITECTURAL ASSISTANTS, in the Education Architect's Sub-Department of the Education Offices, offering excellent opportunities in the design and construction of modern school buildings.

The posts are at grades of salary within the range A.P.T., IV, to A.P.T., VI, and in the case of the senior appointments housing accommodation can, if necessary, be provided by the Authority.

Forms of Application and Conditions of Service may be obtained from the Director of Education, Education Offices, Woodlands Road, Middlesbrough, to whom they should be returned within two weeks of the appearance of this advertisement.

E. C. PARR, Town Clerk.

26th May, 1950. 4437

CAMBRIDGESHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) THREE ASSISTANT ARCHITECTS. Grade VII, A.P.T. Division (£635×£25—£710).

(b) ONE ARCHITECTURAL ASSISTANT. Grade VI, A.P.T. Division (£595×£20×£25—£660).

(c) FOUR ARCHITECTURAL ASSISTANTS. Grade V-VI, A.P.T. Division (£520×£15×£20—£660).

(d) THREE ARCHITECTURAL ASSISTANTS. Grade IV, A.P.T. Division (£480×£15—£525).

(e) TWO JUNIOR ARCHITECTURAL ASSISTANTS. Miscellaneous Division I (£315×£15—£360).

(f) ONE QUANTITY SURVEYOR. Grade VIII, A.P.T. Division (£685×£25—£760).

(g) ONE QUANTITY SURVEYOR. Grade VII, A.P.T. Division (£635×£25—£710).

(h) THREE QUANTITY SURVEYORS. Grade VI, A.P.T. Division (£595×£20×£25—£660).

(i) ONE BUILDING INSPECTOR. Grade IV, A.P.T. Division (£480×£15—£525).

(a), (b) and (c). Applicants should be fully qualified Members of the Royal Institute of British Architects, and have had experience in design and construction of all types of public buildings.

(d) Applicants should have passed the Intermediate Examination of the Royal Institute of British Architects or its equivalent at one of the recognised Schools of Architecture, and have a good general knowledge of construction and details, and be able to prepare drawings from preliminary sketches.

(e) Applicants should be Probationers or Student Members of the Royal Institute of British Architects, and have had general experience in an Architect's office.

(f), (g) and (h). Applicants should be Associate Members of the Royal Institute of Chartered Surveyors (Quantities Section), and have had considerable experience in taking off, abstracting and preparation of Bills of Quantities, specifications, detailed estimates, valuations for interim certificates, and the settlement of final accounts.

(i) Applicants should have a technical and practical knowledge of all building operations and be fully experienced in the duties of a Building Inspector.

Applications, stating for which appointment is being made, age, qualifications and experience, accompanied by one recent testimonial, and the names and addresses of two referees, should be sent to the Clerk of the County Council, Shire Hall, Cambridge, not later than Friday, 16th June, 1950.

The appointments to be subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937. The selected candidates will be required to pass a medical examination.

CHARLES PHYTHIAN, Clerk of the County Council.

Shire Hall, Cambridge. 25th May, 1950. 4437

BOROUGH OF EDMONTON.
ARCHITECT'S DEPARTMENT.
The Borough Council require ARCHITECTURAL ASSISTANT (Grade A.P.T., VI, £625×£20 (2) and £25 (1) to £690 per annum) for Housing, Flats and General Building work.

Candidates should be A.R.I.B.A. or equivalent. Full particulars, forms of application and conditions of service, from the undersigned, to whom completed applications must be returned not later than 17th June, 1950.

H. BACKHOUSE, Town Clerk.

Town Hall, Edmonton, N.9. 29th May, 1950. 4421

KINCARDINE COUNTY COUNCIL.
Applications are invited for appointment as ARCHITECTURAL AND PLANNING ASSISTANTS on the salary scale £480 to £570 (A.P.T., IV and V), in the office of the County Architect and Planning Officer, Stonehaven.

Applicants should (a) possess the Intermediate Certificate of a recognised Professional Institute, and have had some years' practical experience, or (b) possess the final Certificate(s) of a recognised Professional Institute or the Diploma(s) of a School of Architecture. The posts fall under the Superannuation Act, and medical examination will be required.

Applications, including the names of three referees, should be lodged with the undersigned not later than 24th June.

JOHN SLEVIN, County Clerk.

33, Evan Street, Stonehaven. 29th May, 1950. 4450

BRITISH ELECTRICITY AUTHORITY.
EASTERN DIVISION.

Applications are invited for the following posts in the Generation Construction Department at Divisional Headquarters in North London:—

Grade I DRAUGHTSMEN (STRUCTURAL). Commencing salary range £518-£636 per annum, which includes the London allowance.

Applicants should have had experience in the design of structural steel work and reinforced concrete structures.

Initial salaries will be in accordance with the previous experience and qualifications.

The salaries are in accordance with the scale at present operating, but will be subject to negotiation through the medium of the appropriate negotiating body.

The appointments will be superannuable in accordance with the British Electricity Authority and Area Boards Superannuation Scheme.

Applications, stating age, experience, and present position, and endorsed "Grade I Draughtsmen (Structural)", should be submitted to arrive not later than 16th June, 1950, to the Divisional Controller, British Electricity Authority, Eastern Division, Northmet House, Southgate, N.14.

W. N. C. CLINCH, Controller.

Northmet House, Southgate, N.14. 26th May, 1950. 4420

UNIVERSITY OF HONG KONG.
Applications are invited for a PROFESSORSHIP IN ARCHITECTURE. Emoluments shown are for married members of the staff normally resident outside Hong Kong or China, and are inclusive of allowances: £2,127×£50—£2,377 per annum.

Applicants should possess a degree in Architecture of a British University and the Fellowship of the Royal Institute of British Architects. Candidates should have academic and practical experience, and be prepared to take up duties by September, 1950. First-class sea passages, and quarters at reasonable rentals, are provided for expatriate staff.

Further particulars and information as to method of application are obtainable from The Secretary, Association of Universities of the British Commonwealth, 5, Gordon Square, London, W.C.1. Closing date for the receipt of applications is 30th June, 1950.

4428

COUNTY BOROUGH OF NEWPORT.
Vacancies exist for the undermentioned posts on the Permanent Staff:—

ASSISTANT ARCHITECTS. Grade VII (£635-£710).

ASSISTANT ARCHITECTS. Grade VI (£595-£660).

ASSISTANT ARCHITECTS. Grade V (£520-£570).

ARCHITECTURAL ASSISTANTS. Grade IV (£480-£525).

ARCHITECTURAL ASSISTANTS. Grade III (£450-£495).

A candidate who is related to a member or senior officer of the Council must disclose the fact in the application. Canvassing, directly or indirectly, will disqualify. Applications, giving age, full particulars of education, qualifications, and experience, with the addresses of two referees, should reach me by Monday, 19th June, 1950.

JOHNSON BLACKETT, F.R.I.B.A., Borough Architect.

Civic Centre, Newport, Mon. 26th May, 1950. 4478

AIR MINISTRY have vacancies for DESIGNERS/DRAUGHTSMEN in the Designs Branch of the Works Department for high-class work in the following fields: Architecture, Drainage and Water Supply, Land Survey. The work includes design for London Airport. Salaries are on ranges up to £750. Starting pay according to age and qualifications.

Applications, stating age, qualifications, previous appointments and salary required, should be sent to Air Ministry, S.2(h), Cornwall House, London, S.E.1. It is regretted that applications of candidates not called for interview cannot be acknowledged. 4431

BOROUGH OF ERITH.
APPOINTMENT OF TEMPORARY ASSISTANT ARCHITECT.

Applications are invited for the above appointment at a salary in accordance with the National Scales, A.P.T., II/A.P.T., V. Commencing salary according to qualifications and experience, plus appropriate London area weighting.

Applicants should be capable of preparing plans, specifications, estimates, and bills of quantities, for housing and general architectural work.

The appointment will be terminable by one month's notice in writing and will be subject to the National Conditions of Service, to the Council's Standing Orders and regulations governing staff, to the provisions of the Local Government Superannuation Act, 1937, and to the selected candidate passing a medical examination.

Applications, accompanied by copies of not less than three recent testimonials, must be on the form to be obtained, together with a list of duties from the Borough Engineer and Surveyor, Council Offices, Erith, Kent, and be delivered to the Town Clerk not later than 20th June, 1950.

Canvassing, either directly or indirectly, will disqualify.

J. A. CROMPTON, Town Clerk.

Council Offices, Erith, Kent. 26th May, 1950. 4461

COUNTY BOROUGH OF BRIGHTON.
ASSISTANT ARCHITECTS.

TWO ASSISTANT ARCHITECTS (Non-established Staff), under 45, are required in the Borough Engineer and Surveyor's Department. Salary £520 to £570 p.a. A.P.T., Grade V.

The posts are superannuable, and a medical examination is required.

Further particulars and form of application are available from the Borough Engineer and Surveyor's Department, 26/30, King's Road, Brighton, 1, which must be returned before the 26th June, 1950.

Canvassing in any form will be disqualified. J. G. DREW, Town Clerk.

Town Hall, Brighton, 1. 19th May, 1950. 4418

UNIVERSITY OF EDINBURGH.
ASSISTANT required in Works Department Drawing Office. Applicants should have experience in preparing drawings for all types of building work, particularly alterations to large buildings. Preference will be given to those with experience as Architectural Draughtsmen. Salary in range of £350-£450, according to experience. Appointment is superannuable. Applications in writing to The Secretary to the University, Old College, South Bridge, Edinburgh. 4419

LONDON COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.

Architect to the Council.—ROBERT H. MATTHEW, A.R.I.B.A.

Deputy Architect.—J. L. MARTIN, M.A., D.Phil., F.R.I.B.A.

ARCHITECTS FOR HOUSING DIVISION.

The following are required for the newly created Housing Division of the Architect's Department, which will ultimately be responsible for the design and erection of all the Council's Housing:—

ARCHITECT, Grade I (£840-£960).

ARCHITECT, Grade II (£700-£840).

ARCHITECT, Grade III (£550-£700).

TECHNICAL ASSISTANTS. Salaries up to £580.

This staff is required as soon as possible for preparatory work and for immediate taking over of new schemes. Successful candidates are required to contribute to the superannuation and Provident Fund.

Application forms from the Architect to the Council (AR/P/H), County Hall, S.E.1, enclosing stamped addressed foolscap envelope. (754) 4480

CITY OF COVENTRY ARCHITECTURAL AND PLANNING DEPARTMENT.

There is a vacancy for a CHIEF ASSISTANT ARCHITECT (Grade IX) in the office of the City Architect and Planning Officer.

The person appointed will be in charge of a team working on the new Schools' Programme, and should, therefore, be able to prove good experience in this field.

Housing accommodation may be made available in certain circumstances to the successful applicant if so desired.

Application should be made on a form obtainable from the undersigned. Closing date Wednesday, 21st June, 1950.

DONALD GIBSON, M.A., A.R.I.B.A., M.T.P.I., City Architect and Planning Officer.

11, Warwick Row, Coventry. 8th June, 1950. 4481

EXHIBITIONS OFFICER.—THE SCOTTISH COMMITTEE OF THE COUNCIL OF INDUSTRIAL DESIGN invite applications for the post of Exhibitions Officer. Applications, in writing, giving details of age, education, qualifications, and posts held, should be sent to the Finance and Establishment Officer, Scottish Committee, Council of Industrial Design, 95, Bothwell Street, Glasgow, C.2. Essential qualifications are knowledge of architectural and display design and draughtsmanship; experience in contracting and costing; knowledge of films and exhibition work abroad will be added qualifications. Starting salary £800 a year, or according to experience. An additional allowance for work on the Festival of Britain may be payable up to the end of 1951 only. 4479

Partnership and Financial

6 lines or under, 10s.; each additional line, 1s. 6d.

EXPERIENCED CIVIL ENGINEER AND ARCHITECT, with a wide and sound technical knowledge, 25 years' practice, planning of industrial and modern Housing Schemes, well acquainted with Continental flats, also with pressed bridges, at present in chief position with Consulting Civil Engineers and Architects, wishes to move to London, and seeks similar position there, preferably with view to Partnership. Box 4424.

A.R.I.B.A., Dip.Arch. Dip.T.P., seeks Partnership in Manchester area. Full details on application to Box 4447.

Architectural Appointments Vacant

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

ASSISTANT to Technical Editor of "The Architects' Journal"; qualifications required: interested in building construction, R.I.B.A. Inter. standard, or equivalent qualifications; experience in architect's or builder's office an advantage. Replies to Cotterell Butler, 9-13, Queen Anne's Gate, S.W.1. 492

STUDENT or JUNIOR ARCHITECT for editorial work; applicants to have a bias towards building technology and the science of building; salary according to qualifications and experience. Box 493.

YOUNG ASSISTANT, interested in Ecclesiastical work required in private East Midlands office; student considered. Full particulars to Box 4167.

EDITORIAL ASSISTANT required for architectural journal. Applicants should be interested in current building problems, capable of understanding working drawings, and with a good command of English. Box 510.

ARCHITECTURAL ASSISTANTS required for general architectural practice. Apply, stating experience and salary required, to Thomas Worthington & Sons, 178, Oxford Road, Manchester, 13. 4351

MANAGING ASSISTANT ARCHITECT required for private practice in Portsmouth; must be able to take full charge of office, and act on own initiative; excellent opportunities for the right man. Applications, giving full particulars to Box 4309.

ARCHITECTURAL ASSISTANT required by Gollins, Melvin & Partners, F./A.R.I.B.A.; capable working drawings; salary £350-£550; office experience essential; 5-day week. Telephone Museum 0883 for appointment. 4315

PERMANENT positions available for competent **ASSISTANTS** in established London office; salary: Juniors, £350-£550; Seniors, £550-£850 per annum. Reply, with full details of experience, to Box 4316.

SENIOR and INTERMEDIATE ARCHITECTURAL ASSISTANTS required, preferably with experience of commercial and city practice; interesting and varied work; 5-day week; good salaries. Please apply in writing to Lewis Solomon & Son, 21, Bloomsbury Way, W.C.1. 4328

REQUIRED, at Company's Head Office, Guildford, **ARCHITECTURAL ASSISTANT**, A.R.I.B.A.; varied work, mainly factory; 5-day week; salary by arrangement. Box 4332.

ARCHITECTURAL ASSISTANT, with experience in design of industrial buildings and capable of preparing surveys, working drawings and details, required by a large industrial firm in the Midlands; a house is available. Write, stating age, education, experience, salary required, Box 4343.

ARCHITECT'S ASSISTANT, at least Inter. A.R.I.B.A. standard, required at once; salary according to experience; accommodation can be provided. Gotch, Saunders & Surridge, F./A.R.I.B.A., High Street, Kettering, Northants. 4368

ARCHITECTURAL ASSISTANT, of Intermediate standard, required immediately by firm of Architects in West End of London; salary according to experience and qualification. Box 4403.

ARCHITECT'S ASSISTANT required immediately, with experience of industrial buildings, and capable of preparing working drawings and details. Applicants are requested to state age, experience, and salary required, to The Austin Motor Co., Ltd., P.O. Box 41, Birmingham. 4377

ARCHITECT'S ASSISTANT, Intermediate standard, for office at Louth, Lincs.; opportunity for varied experience. Apply Saunders & Partners, 24, Castle Gate, Newark-on-Trent. 4388

SENIOR ASSISTANTS required in Architect's office of large commercial institution in London; preference will be given to men of R.I.B.A. Final standard, about 35 years old, who are experienced in the design and supervision of good class buildings, specifications, and maintenance work; permanency and allowance following retirement offered to suitable applicants. Write, without submitting testimonials but giving particulars of past work and stating salary required, Box 4407.

WEST RIDING ARCHITECTS require **DRAWING OFFICE ASSISTANTS**, with experience in any of the following: Local Authority Housing, Hospitals, Schools or Industrial Work; good salaries and prospects for reliable man. Box 4474.

ARCHITECTURAL ASSISTANT required; Intermediate standard; small progressive London office. Write, stating age, experience, qualifications, salary, etc., Box 4463.

TWO ARCHITECTURAL ASSISTANTS required: one Senior and one Intermediate standard. Reply to P.O. Box 677, Nairobi, Kenya Colony, stating age and experience, when full particulars of service will be forwarded to suitable applicants. 4464

ARCHITECTURAL ASSISTANTS required in City office; large programme of works in connection with public transport; applicants must be at least Intermediate stage R.I.B.A., and have had 3 years' experience. Write Alan A. Briggs, F.R.I.B.A., 10, Fleet Street, London, E.C.4. 4465

ARCHITECT—Experienced man required for high standard domestic work in West Riding, Yorkshire; must be first-class designer, in sympathy with traditional and modern work; commencing salary £300 per year; applicants to submit three examples own work. Box 4466.

COMPETENT SENIOR ARCHITECTURAL ASSISTANT required immediately in London office; salary £550-£750. Reply with full details of experience to Box 4467.

ARCHITECT'S ASSISTANT required, S.W. London office; Intermediate standard, knowledge of surveys. Hammond J. Harvey, A.R.I.B.A. Riverside 3108. 4468

TEMPORARY SENIOR ASSISTANT ARCHITECT required by British Railways in London; salary range £500-£600, according to experience; applicants should be fully qualified; free residential travel up to a limit of 12 miles, also free travelling concessions after qualifying period of service; alternate Saturdays free; canteen facilities. Apply in writing, giving full particulars of experience and qualifications, Box 4469.

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 I, £700-£25-£900. The post is superannuable under the Local Government Superannuation (Scotland) Act, 1937. A house may be available if required. Forms of application with full particulars can be obtained from the Secretary, 15/21, Palmerston Place, Edinburgh, 12. 4429



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ARCHITECTS' CO-OPERATIVE PARTNER-SHIP require an **ASSISTANT** for working drawings and detailed design; salary £400-£550, according to experience. Apply in writing to 34, Gordon Square, London, W.C.1. 4423

ASSISTANT required immediately for housing and industrial work; preferably under 35; practical experience essential; qualifications not necessary providing applicant is competent. Please apply Guy Morgan & Partners, Rivercourt, Upper Mall, Hammersmith, W.6. Riverside 1462. 4425

ARCHITECTURAL Staff required by London Firm of Architects: (a) **CHIEF QUALIFIED ASSISTANTS**, to take charge of large projects in London and the Provinces. (b) **SENIOR ASSISTANTS**, to work on schemes and working drawings. Please apply by letter, stating training, experience, age and salary required, Box 4430.

JUNIOR and **SENIOR ASSISTANT ARCHITECTS** required; salary according to experience. Apply W. & J. B. Ellis, F./A.R.I.B.A., Barclays Bank Buildings, St. Helens, Lancs. 4446

ARCHITECTURAL ASSISTANT required; wide general knowledge of work in London an advantage; high salary, according to ability and experience; five-day week. Apply Ley, Colbeck & Partners, 51, Bishopsgate, London, E.C.2. Telephone: London Wall 2917. 4449

ASSISTANT, interested in contemporary work, required for busy small office; 5-day week; near Hampton Court (30 mins. Waterloo); salary up to £450, according to experience. Write Eric Lyons & Townsend, Mill House, Bridge Road, East Molesey. 4455

SENIOR ARCHITECTURAL ASSISTANT required by firm of Architects in Westminster; varied practice, including ecclesiastical work in London and country; good draughtsman, with considerable experience in building construction and control of building contracts required; salary £700-£800. Write Box 4456.

Architectural Appointments Wanted

DIPARCH., 20 years' various experience, last 5 years mainly Local Authority housing schemes, desires free lance or part-time work (approx. 4 days a week), preferably in the S.W. London area. Box 530.

ASSISTANT (27), with 3 years' experience in design and detailing of traditional and prefabricated houses, flats and schools, and of exhibition stands, finished course in school of architecture beginning of 1949, would like appointment in London practice where contemporary design is required, and where experience in handling jobs can be obtained; present salary £500. Please reply to Box 533.

ASSISTANT, final standard (age 23), 4 years' office experience, seeks post in progressive London office, to start end of August. Box 534.

ARCHITECTURAL ASSISTANT requires post abroad in any capacity, preferably in the Colonies; 13 years' experience in Architects' offices and general site supervision. Box 532.

Other Appointments Vacant

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INTELLIGENT and enthusiastic, young man, with some knowledge of building construction and materials, wanted for unusually interesting selling job, mainly in London (full-time). Write, with full particulars of age, training, experience, salary required, to Box 366.

ARCHITECTURAL Metalworkers require a **DESIGNER-DRAUGHTSMAN** of considerable merit; top salaried position for skilled man. Apply The Morris Singer Company, Hope House, Gt. Peter Street, Westminster, S.W.1. 3564

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TECHNICAL ASSISTANT required by Architectural Publishers; must have first-hand practical knowledge of the building industry; salary according to qualifications and experience. Box 494.

BUILDING ESTIMATOR required, thoroughly conversant with building, estimating and quantities for industrial building. Write, stating age, education, experience, salary required, to Men's Employment Department, Cadbury Bros., Ltd., Bourneville. 4297

QUANTITY SURVEYOR for busy provincial office at Newark-on-Trent; qualified man, with experience; good salary for good man; accommodation soon available. Saunders & Partners, Architects and Surveyors, 24, Castle Gate, Newark-on-Trent. 4387

QUANTITY SURVEYOR'S ASSISTANT required; good sound knowledge of Quantities, preparing Final Accounts and measuring on site, etc.; good opening for keen energetic young man; salary by arrangement. Gotch, Saunders & Surridge, F./A.R.I.B.A., High Street, Kettering. Telephone: Kettering 3165/6. 4444

EXPERIENCED BUILDING SURVEYOR required; R.I.C.S. Final standard; preferably resident North of Thames; good salary; 5-day week. Apply Ley, Colbeck & Partners, 51, Bishopsgate, London, E.C.2. Telephone: London Wall 2917. 4448

MANAGER, experienced in Hoffman or similar kilns, required for brick and tile works in East Africa; age about 30-35; salary about £800, according to age and qualifications, with share in profits; house provided or housing allowance in lieu, medical attention, etc.; home leave on full salary, passage paid, every three years. Write, with full particulars, to Box J482, Lee & Nightingale, Liverpool.

TYPIST (Junior) required for Architect's office, hrs. 9.30 to 5.45, one Saturday in four; salary according to qualifications and age; previous experience not essential. Box 4473.

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NOTICE TO ARCHITECTS.—Builder, with good tradesmen, plant, and transport, now in a position to accept War Damage and Maintenance repairs. Hawkes, 63, Hogarth Gardens, Heston, Middx. HOU. 1667. 4346

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A.R.I.B.A., 10 years' experience, including Schools, offers part-time services; August-early September, London; Specifications, Drawings, Office, Surveys; Essex region. Larkswood 6637. 4476

ELECTRICAL INSTALLATIONS.—Consulting Engineers will undertake to prepare Specifications or render expert advice to Architects. Box 4477.

ARCHITECT, L.R.I.B.A., offers spare-time Assistance; London, East Midlands; resident; Tracings, Working Drawings, Details; resident East Midlands. Box 4475.

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FRANCE.—Summer Architectural Tours: Paris (students only), 8 days, including Versailles, Fontainebleau, 30th July, £19 10s., all included; Arignon (general), 9 days, including Arles, Nîmes, Orange, Pont-du-Gard, etc., 9th August, 32 guineas, all in. Prospectus from Richard Walker, A.R.I.B.A., 1, Phillimore Court, Kensington, London, W.8. 4335

ALL BOOKS of interest to Architects, published in this country and in America, are obtainable from Stobart & Son, Ltd., 9, Victoria Street, London, S.W.1. Ask to receive regularly our free lists giving contents-summaries of new books. 1445

MESSRS. ASHFORD & TROWER, Quantity Surveyors, of Lowestoft, Suffolk, announce their change of address as and from 24th June, 1950, from 123, London Road North, Lowestoft, to new and larger premises, "London House," The Prairie (next Odeon Cinema), London Road North, Lowestoft, to which all communications should now please be sent. Telephone No.: Lowestoft 204. Up to date Trade Catalogues would be welcomed. 4443

ARCHITECT'S widow seeks PAYING GUEST for large divan-bed-sittingroom; morning and evening meal. all meals week-ends; comfortable home, with pleasant garden; laundry and mending if required; garage available; 34 guineas weekly. Write 14, Buckingham Way, Wallington, Surrey, or 'phone W.A.L. 7655 after 6 p.m. 4445

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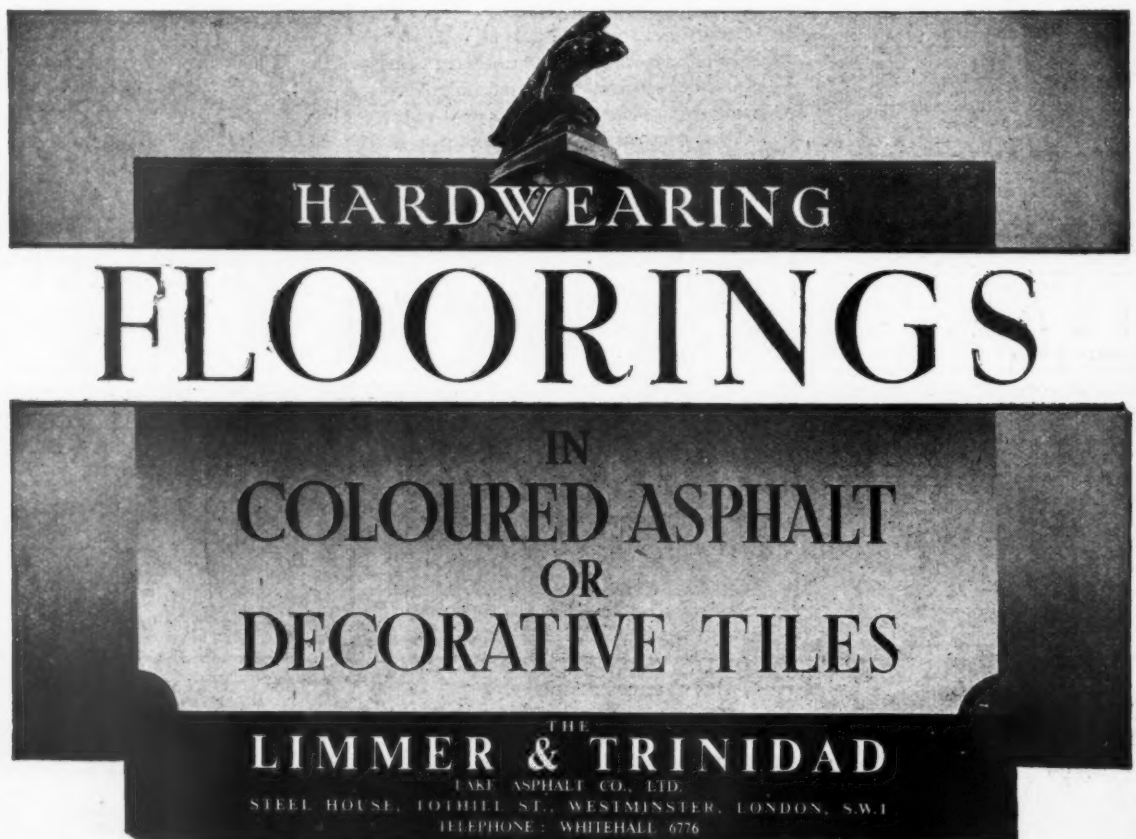
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Allied Guilds	—	Farniloe, T. & W., Ltd.	—	National Federation of Clay Industries, The	—
Anderson Construction Co., Ltd.	—	Finch, B. & Co., Ltd.	—	Neuchatel Asphalt Paving Co., Ltd., The	xi
Anderson, D., & Son, Ltd.	lii	Galvo (Wirenetting), Ltd.	lv	Newman, William, & Sons, Ltd.	xvi
Arens Controls Ltd.	xxx	Gas Council, The	—	Northern Aluminium Co., Ltd.	xv
Aspinal's (Paints), Ltd.	lxix	Gillett & Johnston, Ltd.	liii	Ohmlite Installations, Ltd.	lxviii
Ashwell & Nesbit, Ltd.	liv	Glow-worm Boilers, Ltd.	xxxii	Paragon Glazing Co., Ltd.	—
Baldwin, Sons & Co., Ltd.	lxix	Greenwoods & Airvac Ventilating Co., Ltd.	—	Pilkington Bros., Ltd.	—
Barter Trading Corporation Ltd., The	xiv	Gyproe Products, Ltd.	—	Pyrene Co., Ltd., The	xv
Batley, Ernest, Ltd.	lxvii	Hall, J. & E., Ltd.	—	Radiation, Ltd.	xxxvi
Blundell Spence & Co., Ltd.	xlvii	Harper, John, & Co. Ltd.	—	Range Boilers, Ltd.	xxxv
Boulton & Paul, Ltd.	lxix	Harvey, G. A., & Co. (London), Ltd.	—	Rawlings Bros., Ltd.	lvi
Box, C. W.	—	Haskins	—	Rippers, Ltd.	lix
British Aluminium Co., Ltd.	xvi	Hilger & Watts	xliv	Rubercold Co., Ltd.	—
British Celanese, Ltd.	xxxix	Hills (West Bromwich), Ltd.	—	Rubery Owen Co., Ltd., The	xiii
British Electricity Authority, The	—	Hollis Bros. & Co., Ltd.	lxxi	Sadd, John, & Sons, Ltd.	—
British Electric Development Assoc.	—	Hope, Henry, & Sons, Ltd.	xlii	Salter, T. E., Ltd.	liv
British Insulated Callenders' Cables, Ltd.	xii	Horseley Bridge & Thomas Piggott, Ltd.	xxxviii	Sankey-Sheldon	iv
British Plumber, Ltd.	xxxviii	Imperial Chemical Industries, Ltd.	—	Scaffolding (Great Britain), Ltd.	xxxvi
Britannic Electrical Co., Ltd.	xxii	Improved Wood Pavement Co., Ltd.	—	Secomastic, Ltd.	xiv
Broads Manufacturing Co., Ltd.	xxxvi	International Correspondence Schools	lxix	Semtex, Ltd.	—
Brown, Donald (Brownall), Ltd.	lxviii	Ioco, Ltd.	l	Sharman, R. W., Ltd.	lxix
Building Industries Services, Ltd.	—	Jenson & Nicholson, Ltd.	viii, lxii	Small, F. L., & E., Ltd.	—
Burgess Products Co., Ltd.	lx	Johnson & Phillips, Ltd.	—	Smith, H. V., & Co., Ltd.	lxix
Callow & Keppich, Ltd.	lxix	Justice, Thomas, & Son, Ltd.	—	Steel Ceilings, Ltd.	—
Cargo Fleet Iron Co., Ltd.	—	Kelvinator, Ltd.	lviii	Structural & Mechanical Development Engineers, Ltd.	xxxv
Carter & Co., Ltd.	xxxv	Kersons Manufacturing Co., Ltd., The	—	Sundale Board Co., Ltd.	—
Celotex, Ltd.	xxi	King, Geo. W., Ltd.	—	Sutcliffe Speakman & Co., Ltd.	ix
Cement Marketing Co., Ltd.	vii	Kwikform, Ltd.	—	Taylor, Robert, & Co. (Ironfounders), Ltd.	—
Chippendale Workshops	lxviii	Laing, John, & Son, Ltd.	lxxii	Temple Varnish Co., Ltd., The	lxix
Church & Co. (Fittings), Ltd.	lxii	Lead Industries Development Council	xxxiv	Thermacoust, Ltd.	lx
Clark & Eaton, James, Ltd.	—	Leslie & Co., Ltd.	xl	Thorn, J., & Sons, Ltd.	lxviii
Claygate Fireplaces, Ltd.	lvi	Limmer & Trinidad Lake Asphalt Co., Ltd., The	—	Triplex Foundry, Ltd.	—
Cloakroom Equipment, Ltd.	l	Linoleum Manufacturers' Association, Ltd.	lxx	Troughton & Young, Ltd.	—
Colt, W. H. (London), Ltd.	xx	Lisle Manday & Co., Ltd.	lxix	Turners Asbestos Cement Co., Ltd.	v
Compression Joints, Ltd.	—	London Brick Co., Ltd., The	lxi	Turner, Chas., & Son, Ltd.	xliv
Concrete, Ltd.	lxlii	Marley Tile Co., Ltd., The	xxiii	Underwood, S.	lxix
Courtney Pope, Ltd.	—	Matthews & Yates, Ltd.	—	Val de Travers Asphalt Paving Co., Ltd.	—
Crittall Manufacturing Co., Ltd., The	xxx	McKechie Bros., Ltd.	lii	Venestra, Ltd.	—
Dawnays, Ltd.	—	Merchant Trading Co., Ltd., The	—	Walker, Crosswell & Co., Ltd.	lxviii
Denny, Mott & Dickson, Ltd.	lxix	Metallie Seamless Tube Co., Ltd.	xix	Walnamur Co., Ltd.	xvii
Dreadnought Fireproof Doors (1930), Ltd.	xxxiii	Metal Sections, Ltd.	li	Wall Paper Manufacturers, Ltd., The	xxxv
Dunbrik, Ltd.	lxxi	Meta Mica, Ltd.	lxi	Ward, Rhomas W., Ltd.	—
Dunlop Rubber Co., Ltd.	lxix	Metropolitan-Vickers Electrical Co., Ltd.	—		
Durasteel, Ltd.	lxviii	Mills Scaffold Co., Ltd.	—		
Duresco Products, Ltd.	lxv	M.K. Electric, Ltd.	x		
Ebor Concrete, Ltd.	lxii				
Edgar, William, & Son, Ltd.	—				
Ellis School of Architecture, The	lxix				

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PAGE
XXIV

xiv
vi
xi
lxviii
lxviii

xi
xxxvi
xxv
lxx
lvi
lix

xlii

li
lv
lv

xxvi
xiv
lxxi
lxxi
li
liix

xxxvi

ix

lxxi
lx
lxxi
lxxi
xviii
liix

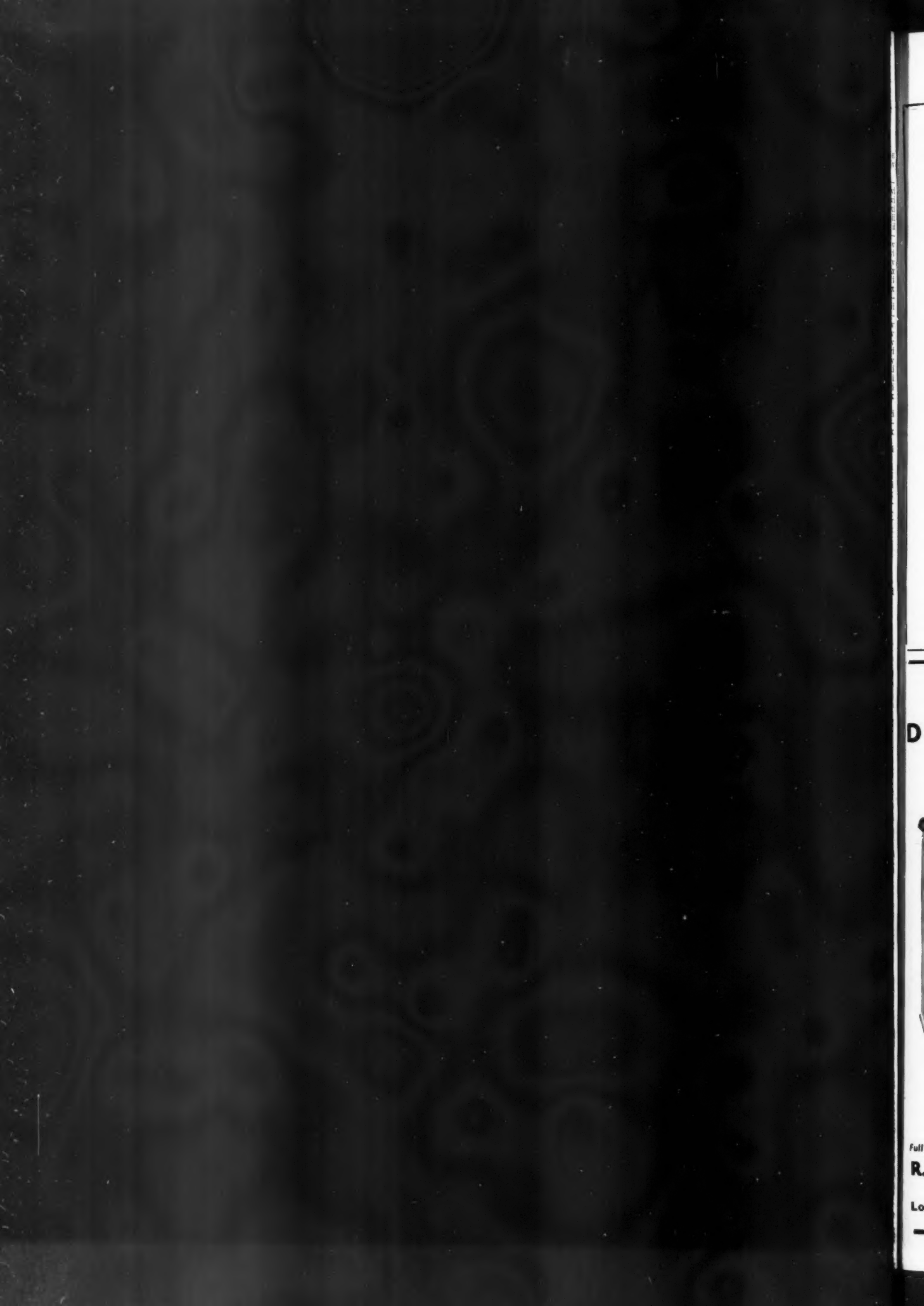
v

xix
lxix
li

lviii

xvii

xxxx



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