

THE ARCHITECTS' JOURNAL



standard contents

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

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★ 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 Lc one week, Lc 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. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15.	Ardwick 3480
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. 28, Sackville Street, W.1.	Regent 3613
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. 25, Victoria Street, S.W.1.	Abbey 5422-3
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
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
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. Dolderal, 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
DIA	Design and Industries Association. 9, Conduit Street, W.1.	Mayfair 5432
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.	Temple Bar 1951
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
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.	Ikeston 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
LAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577

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[Vol. 108

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10'0"	660
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12'0"	780
13'0"	840
14'0"	900
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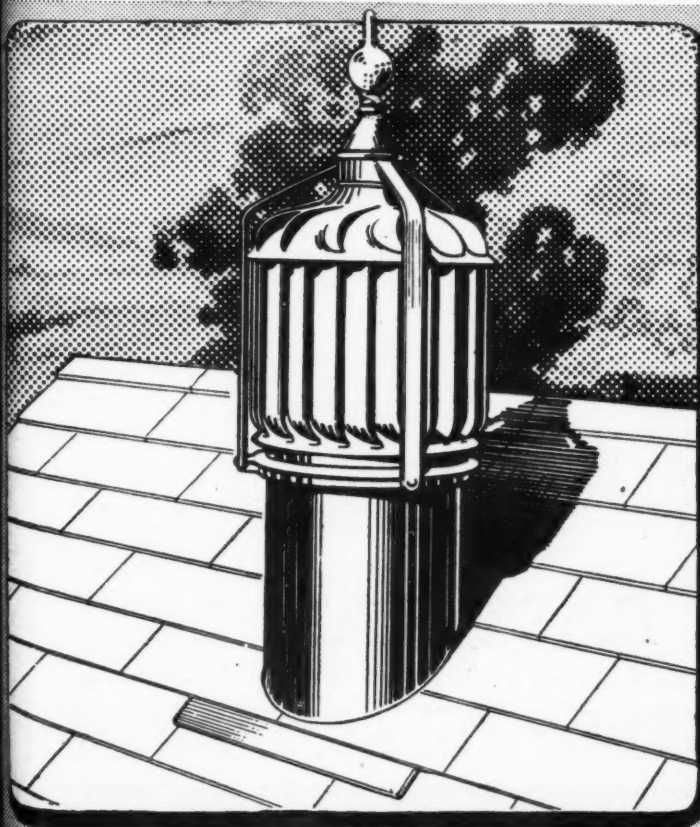
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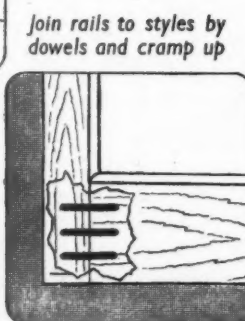
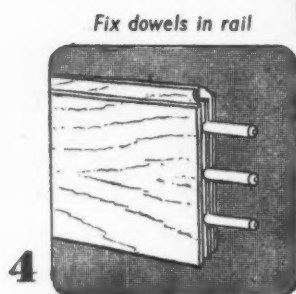
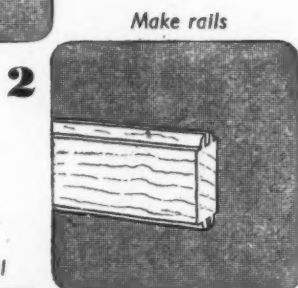
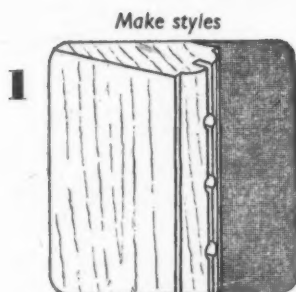
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Meanwhile, Bernard Palissy—a 16th century French glass-painter—was striving to produce a ware to equal a bowl (whether of maiolica is uncertain) that had come into his possession. The story of his efforts, in the course of which he was at times reduced to poverty, is one of the most remarkable in the records

of pottery. Once, it is said, he sat up six days and nights watching his kiln and to reach the desired temperature, fed it with fencing, tables, chairs and even floor boards. After fifteen years' experimenting, he managed to produce a ware with an unusually fine polychrome lead glaze. His most characteristic pieces are abundantly modelled in relief, often with grotesque designs of fishes, snakes and frogs. His creations—developed in isolation from the main stream of European ceramic tradition—had little lasting influence on French pottery.

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Mint, there arose a great demand for faience tableware. In the latter part of the 18th century, French faience made at Vincennes and at Sèvres, under the patronage of Louis XV and Madame de Pompadour, became famous throughout Western Europe. It was beautifully hand-painted with flowers, birds and other designs, and, unlike the earlier faience, was decorated with rich enamel colours baked into the opaque white enamel by a second low-temperature firing. Oriental, Dutch and Persian influences were often apparent but a native French style also developed, imbued with characteristic Gallic grace, inventiveness and good taste. In the eastern French faience factories, where French and German influences mingled, the peculiar, often disturbing and restless rococo style had a great vogue.



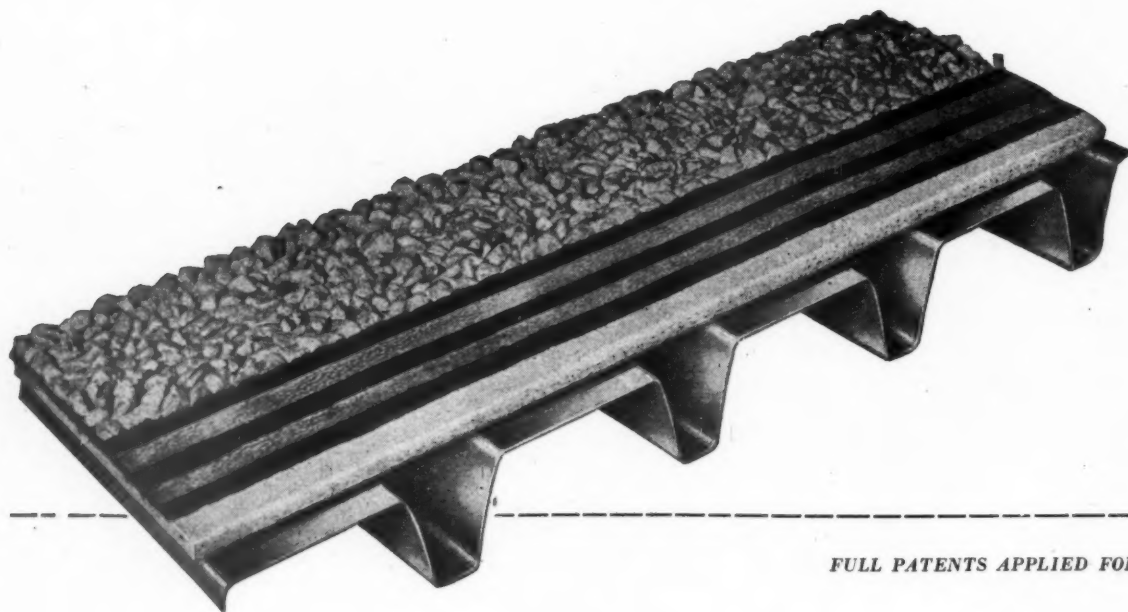
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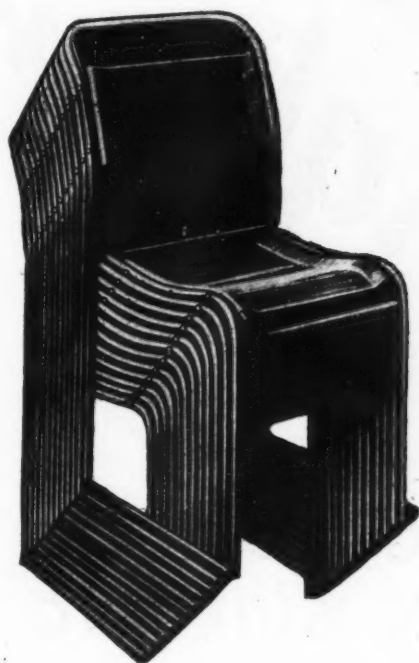
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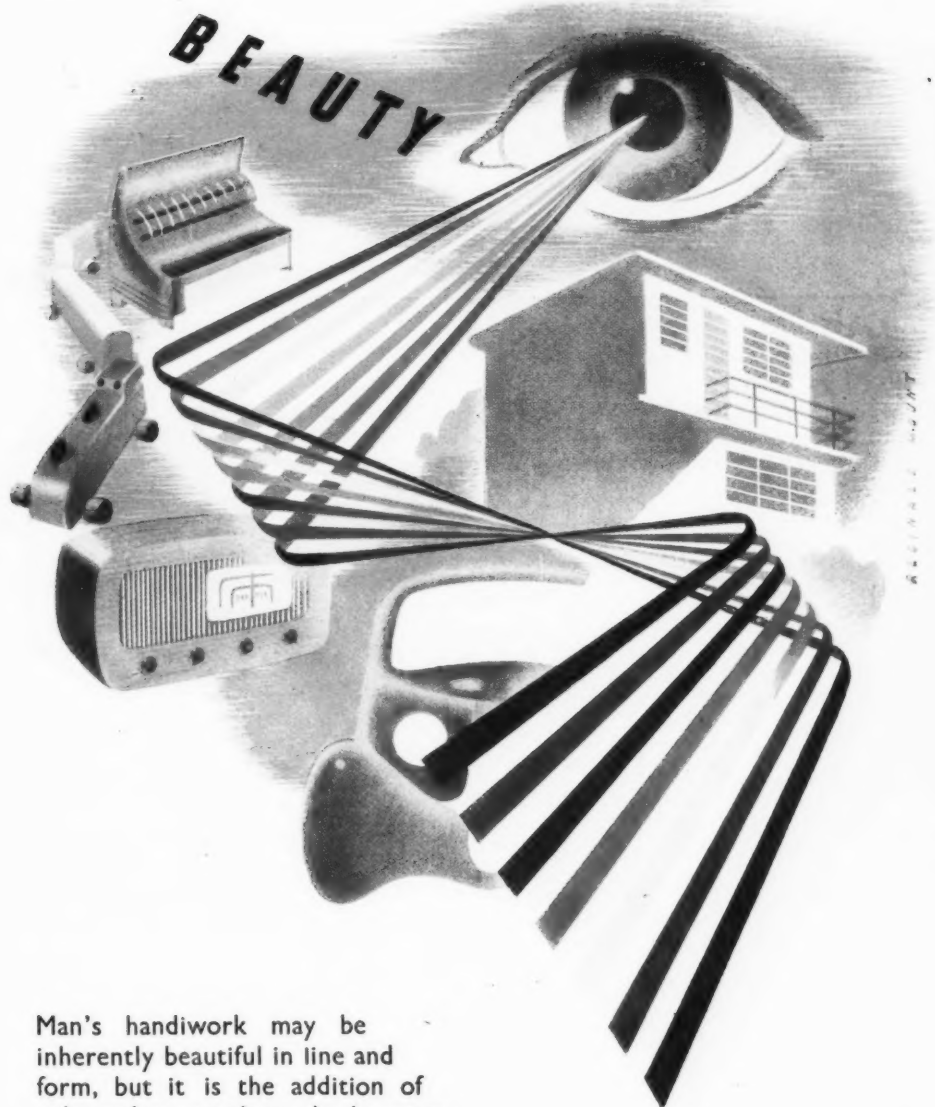
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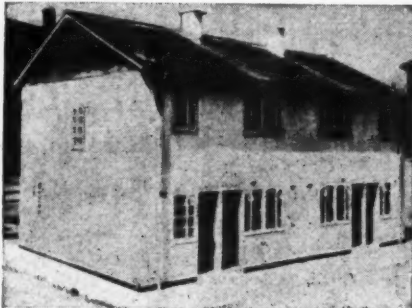
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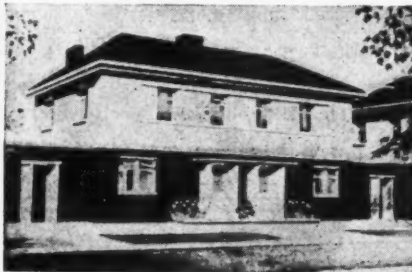
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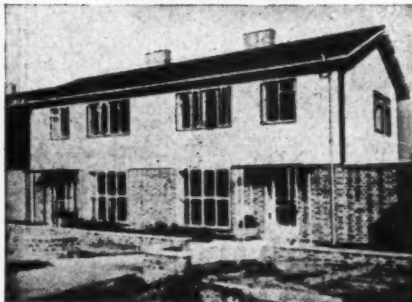
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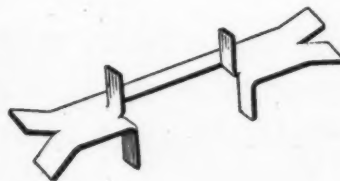
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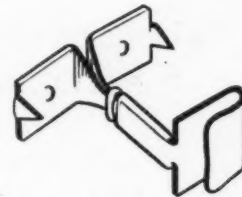
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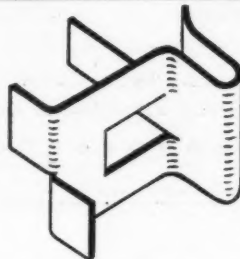
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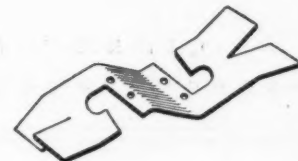
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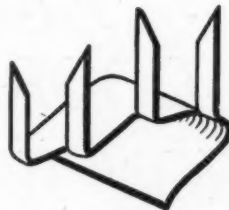
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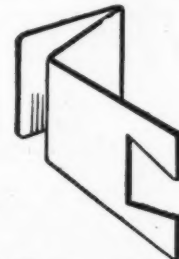
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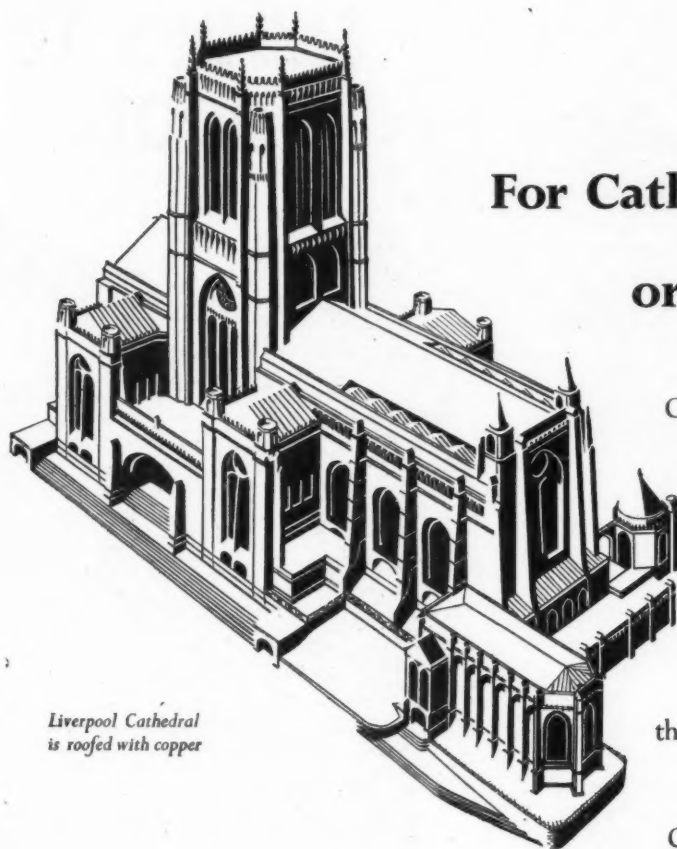
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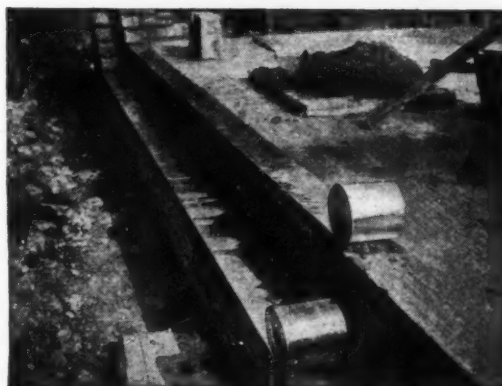
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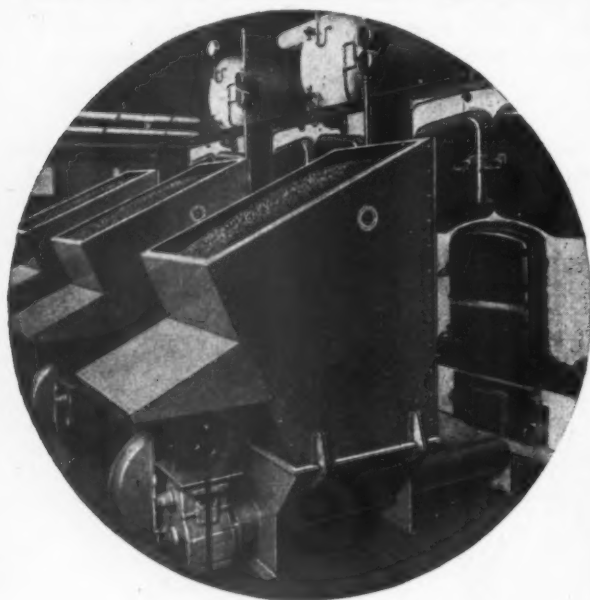
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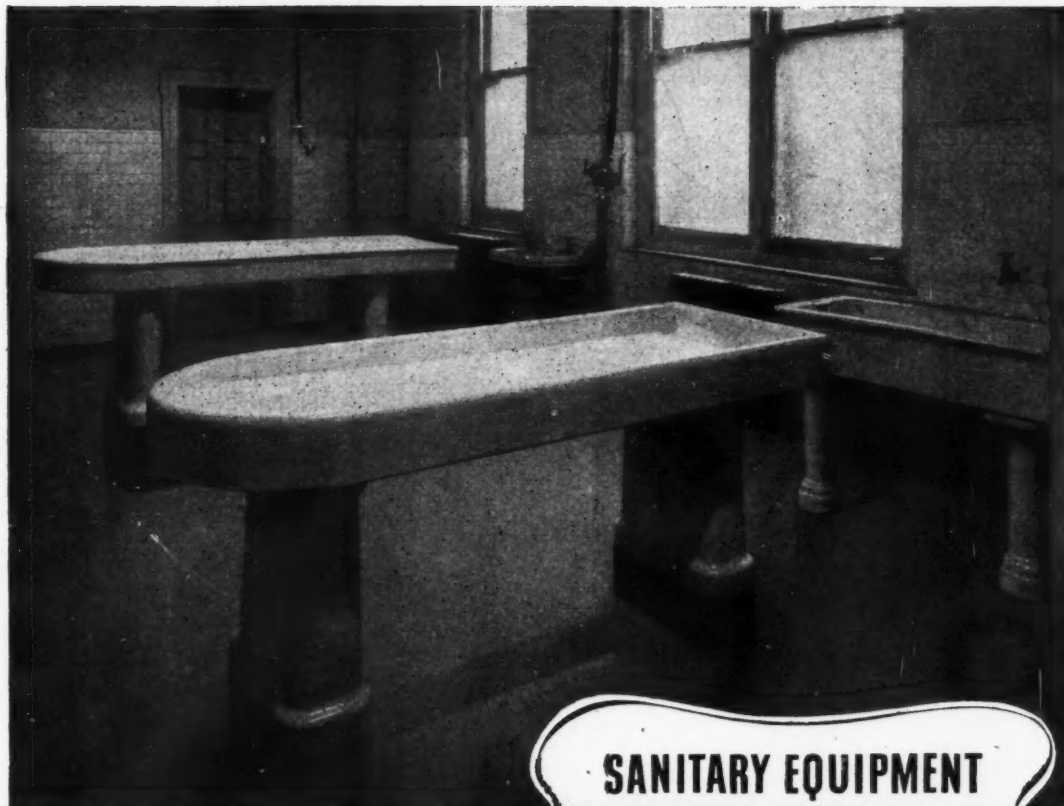
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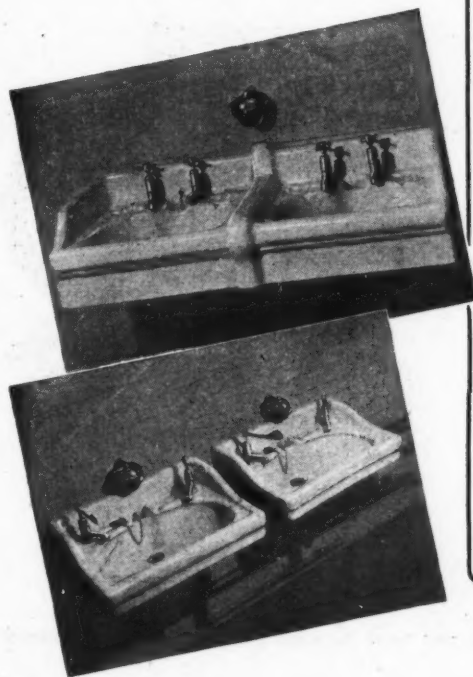
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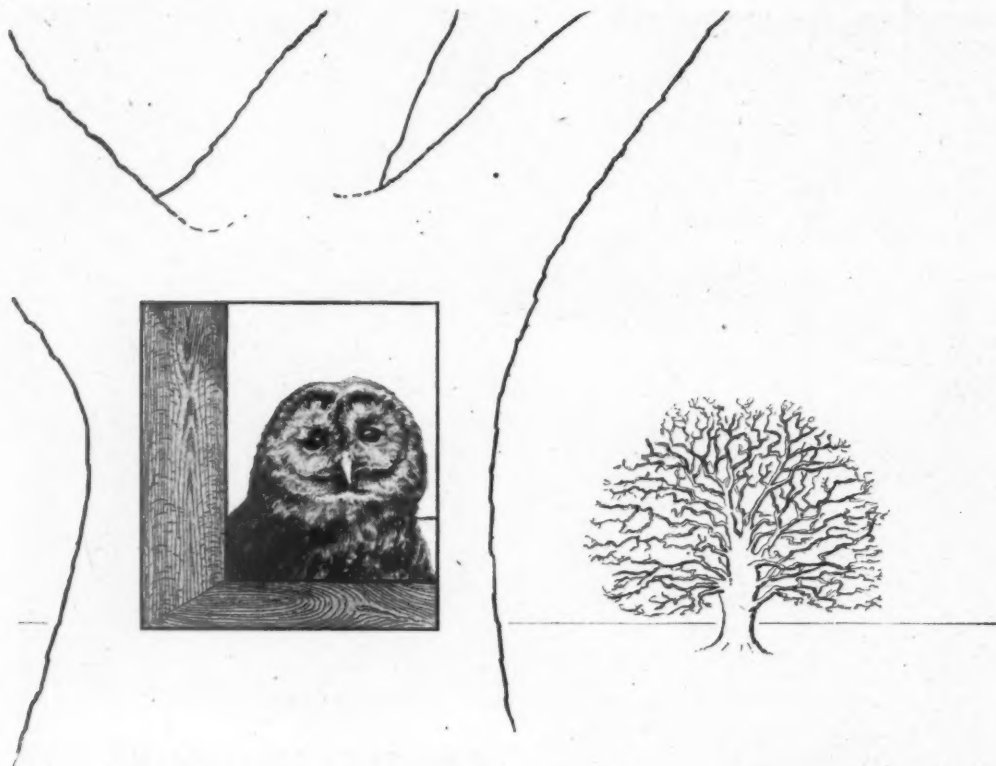
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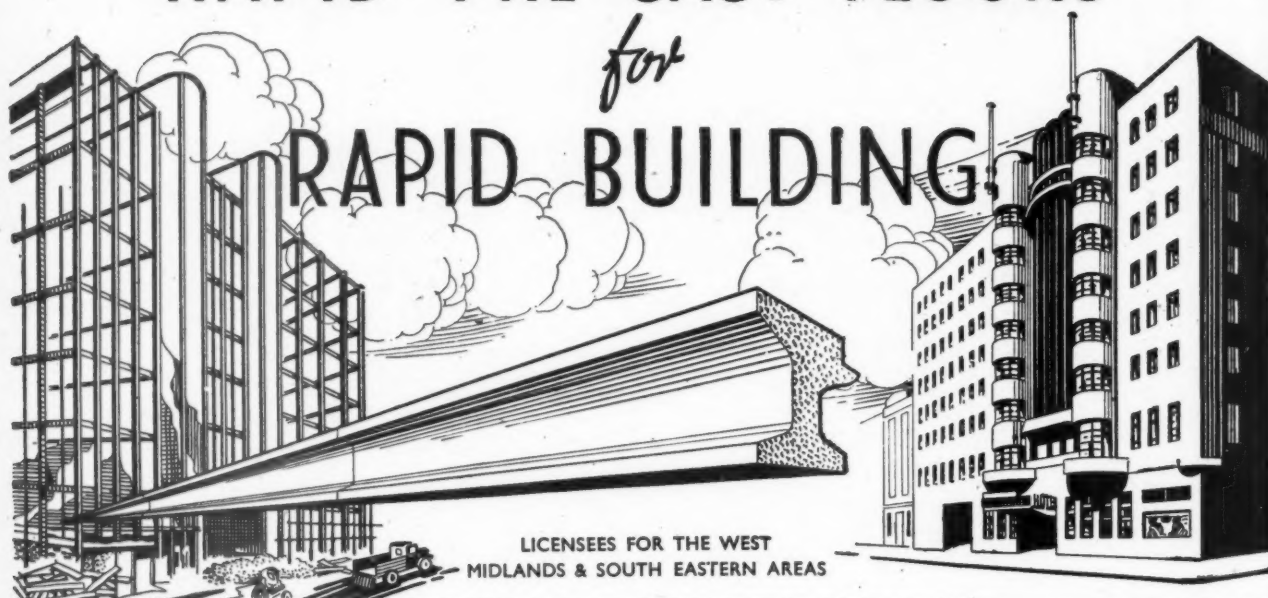
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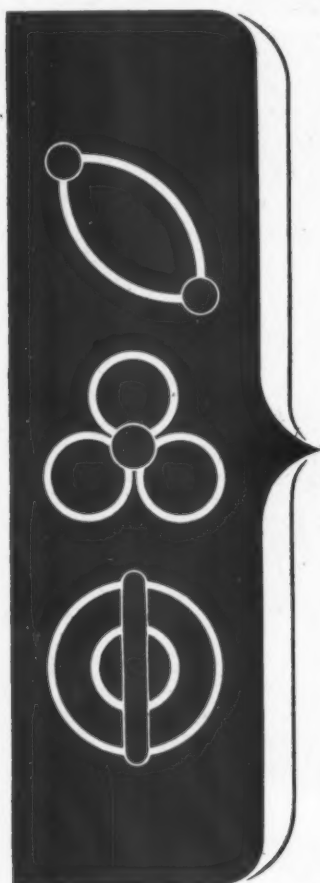
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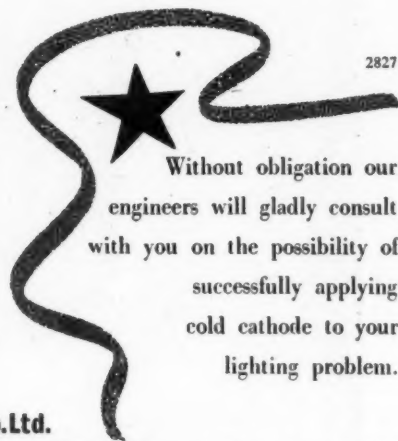
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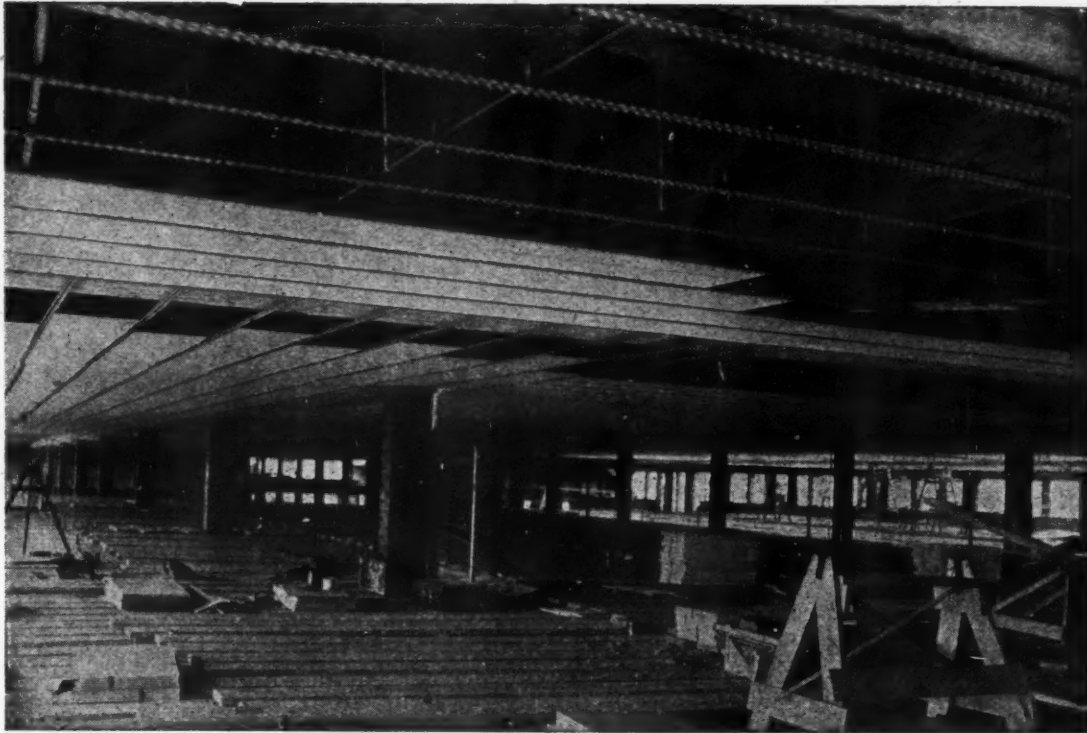


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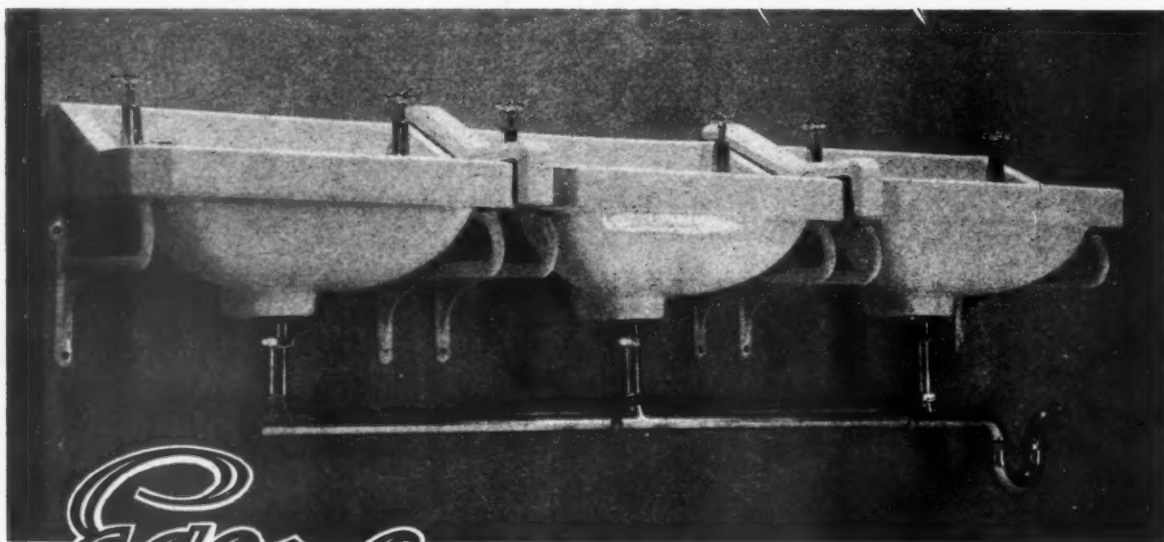
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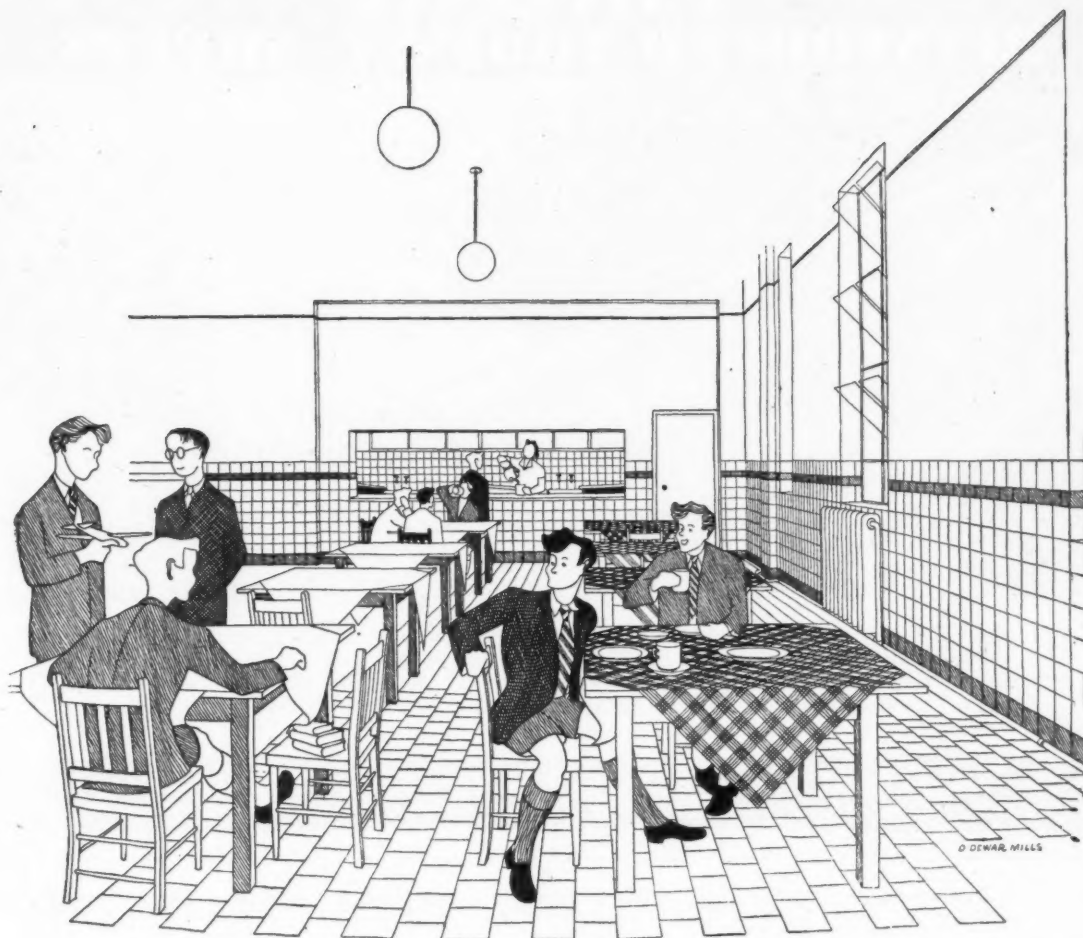
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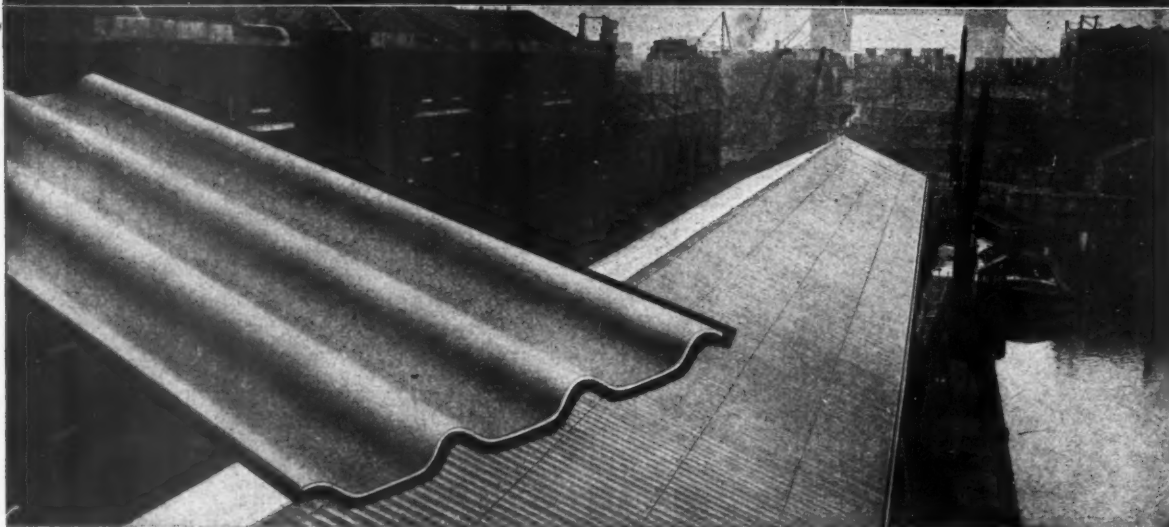
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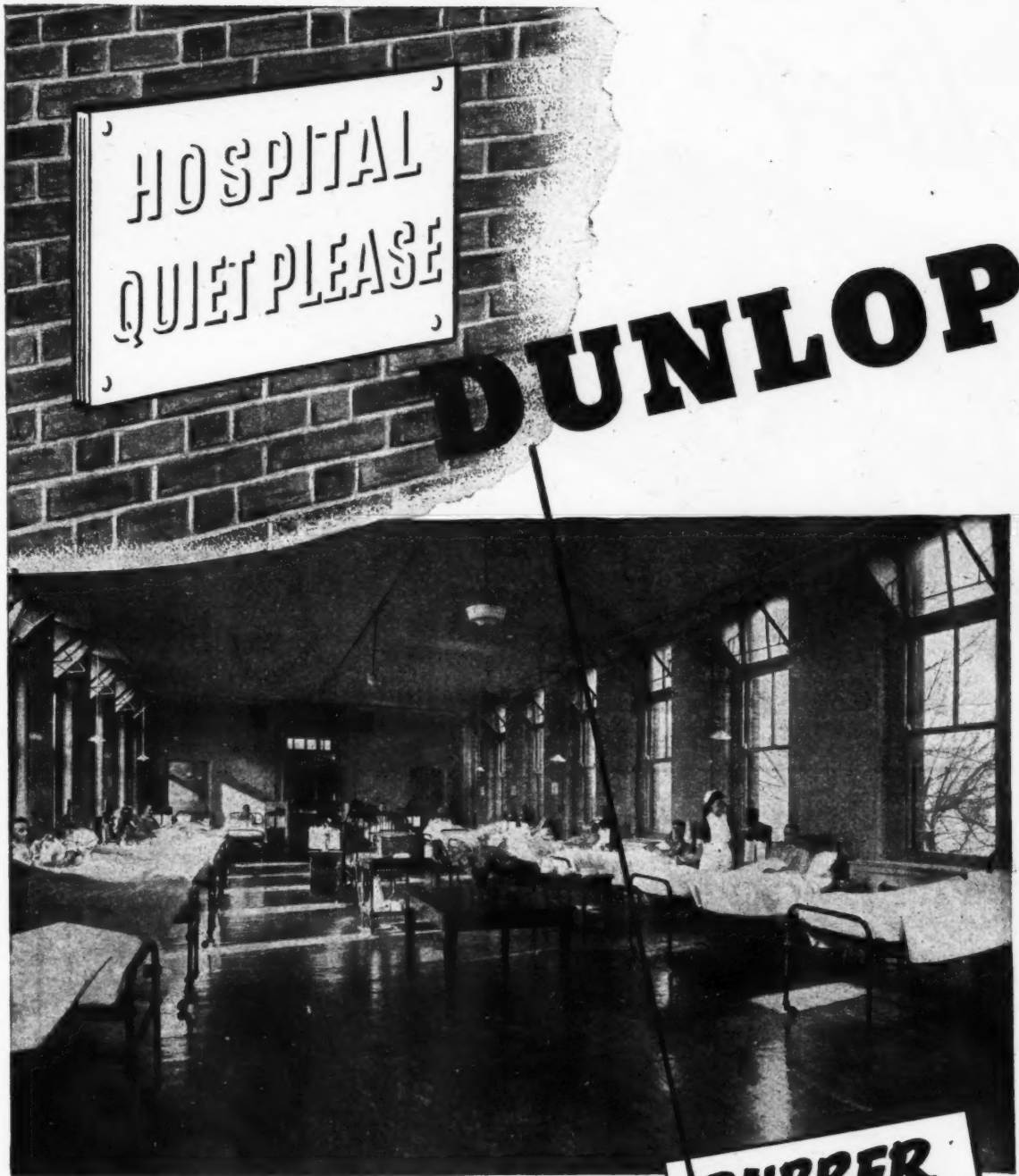
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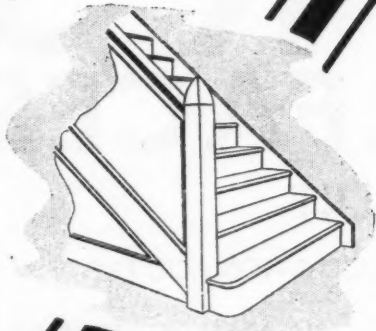
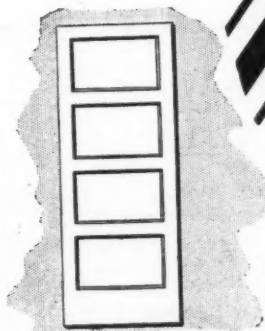
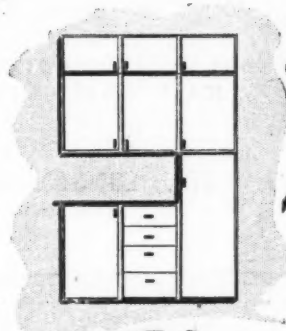
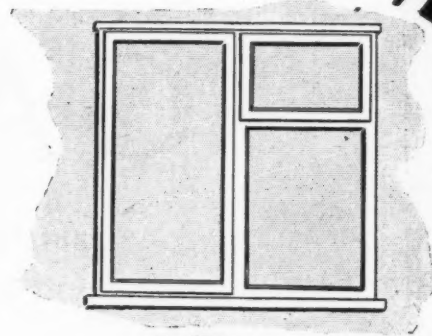
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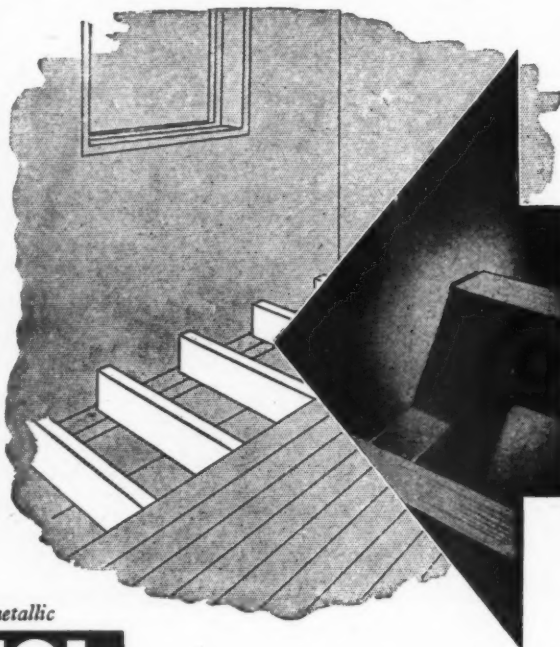
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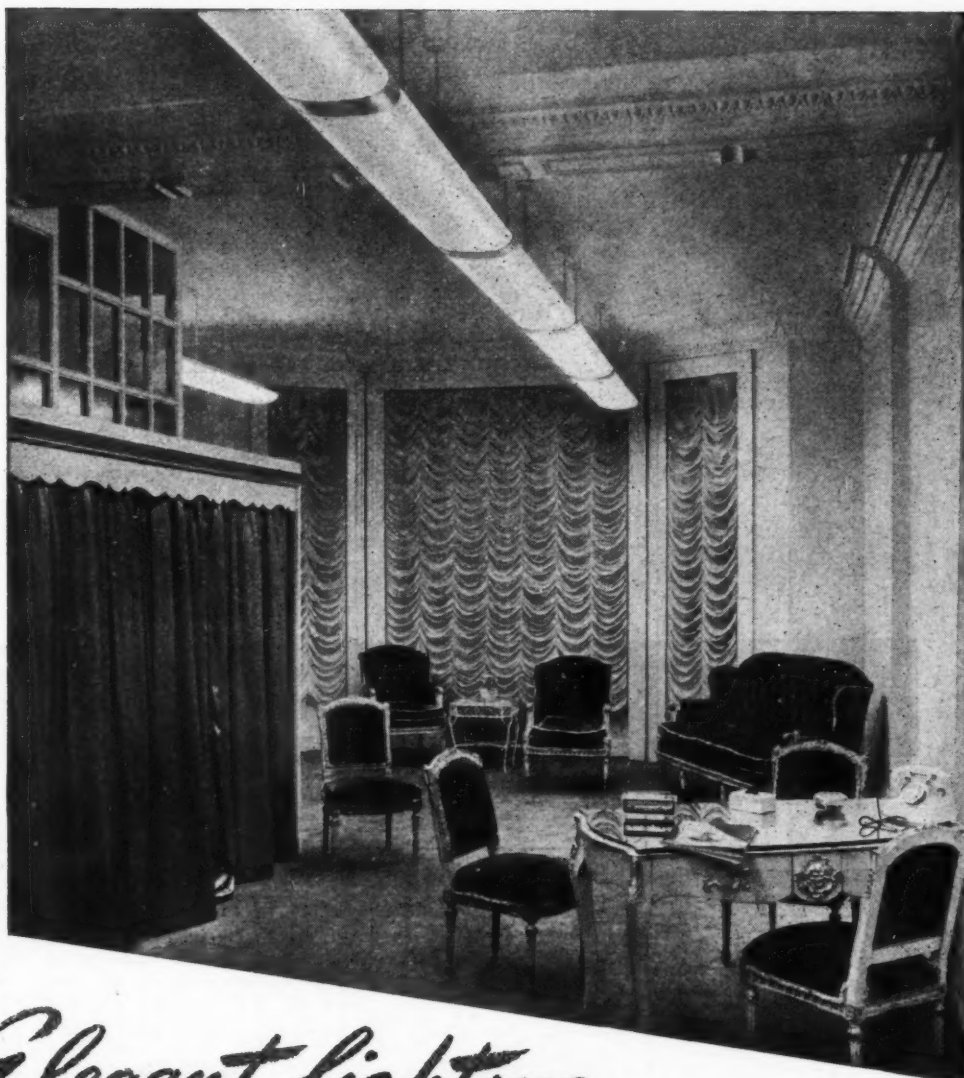
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In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. Subscription rates: by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 15s. each; carriage 1s. extra.



DIARY FOR OCTOBER NOVEMBER AND DECEMBER

Titles of exhibitions, lectures and papers are printed in italics. In the case of papers and lectures the authors' names come first. Sponsors are represented by the initials given in the glossary of abbreviations on the front cover.

BLACKPOOL. N.W. Federation of Building Trades Employers. Jubilee Celebration. At Blackpool. Oct. 21-22

CANTERBURY. Richard Henniker. *The Work of the RIBA.* At the County Hotel, Canterbury. (Sponsors, Canterbury Chapter, S.E. Society of Architects.) Oct. 26

LONDON. Gordon Hemm. *Exhibition of Drawings and Watercolours.* At the Kensington Art Gallery, 15, St. Mary Abbot's Terrace, W.14. (Sponsor, Kensington Art Gallery.) UNTIL OCT. 23

Mordaunt Parker. *Exhibition of Recent Watercolours.* At the Kensington Art Gallery, 11-15, St. Mary Abbot's Terrace, W.14. (Sponsor, Kensington Art Gallery.) UNTIL OCT. 30

Exhibition of Synthetic Boards and Plywoods. At Murray House, Vandon Street, S.W.1. (Sponsor, CID.) UNTIL OCT. 31

Unveiling of the Joint Memorial to Admirals of the Fleet, Lord Jellicoe and Lord Beatty in Trafalgar Square, by the Duke of Gloucester. Oct. 21

Institute of Registered Architects Annual Dinner Dance. At the Park Lane Hotel. (Sponsor, Inst. RA.) Reception, 6.30 p.m. Oct. 22

Donald Gibson. *A Review of Coventry from an Architect's point of view, 1938-48.* A course of two lectures. At University College Embryology Theatre, Gower Street, W.C.1. (Sponsor, London University.) Oct. 22

Town and Country Planning Act, 1947. A one-day school at the Institute of Civil Engineers, Great George Street, S.W.1. Three lectures by Mr. William Wood. 10.15 a.m. *Compensation and Development Charges.* 11.45 a.m. *The Planning Machine.* 2.30 p.m. *Land Purchase.* 3.45 p.m. *Questions and Answers.* (Sponsor, TCPA.) Oct. 23

Exhibition of Harlow New Town Development Proposals. At the RIBA, 66, Portland Place, W.1. A large scale model of town will be on show. Other exhibits will include models and diagrams illustrating Work in Progress in the Architect's, Engineer's and Estate Departments of the Development Corporation. (Sponsor, Harlow Development Corporation.) The exhibition will be opened by Mr. Lewis Silkin,

Minister of Town and Country Planning. 10 a.m. to 5 p.m. Oct. 23 to 30.

Riley Schofield. *The Housing Work of the Borough of Mitcham.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Lunch, 12.45-1.15 p.m., 2s. 6d. Talk, 1.15-2.15 p.m., 6d. Oct. 26

Dr. Monica Felton. *Peterlee New Town.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Lunch, 12.45-1.15 p.m., 2s. 6d. Talk, 1.15-2.15 p.m., 6d. Oct. 26

The English Home. The last of a series of lectures. Gordon Russell. *20th Century.* Chairman F. R. Yerbury. At the Geffrye Museum, Kingsland Road, E.2. (Sponsor, Geffrye Museum.) 7 p.m. Oct. 26

Design at Work Exhibition. An exhibition of Industrial Design. At Burlington House, Piccadilly. (Sponsors, RSA and CID.) FROM OCT. 26

R. E. Enthoven. *Presidential Address.* At the AA, 34/6, Bedford Square, W.C.1. (Sponsor, AA.) 7.45 p.m. Oct. 27

PROVINCES. *Allied Ironfounders' Exhibition Train.* Schedule of its provincial tour: Birmingham. Until Oct. 30, Birmingham (Snow Hill) Station, No. 10 Bay Platform. Sheffield, Nov. 1-6, Sheffield (Victoria) Station, No. 1 Platform. Hull, Nov. 8-13, Hull (Paragon) Station, Milk Dock. Leeds, Nov. 15-20, Leeds City South Station, No. 14 Platform. Bradford, Nov. 22-27, Bradford (Forster Square) Station, No. 4 Platform. Middlesbrough, Nov. 29-Dec. 4, Middlesbrough Station, West End Dock. Newcastle-on-Tyne, Dec. 6-11, Newcastle-on-Tyne (Central) Station, West End Dock. Edinburgh, Dec. 13-18, Edinburgh (Waverley) Station, No. 5 Platform. Glasgow, Dec. 20-Jan. 1, Glasgow (St. Enoch) Station, No. 12 Platform.

WEMBLEY.—*Wembley Civic Industrial and Commercial Exhibition.* At the Civic Hall, Exhibition Grounds, Wembley. UNTIL OCT. 23

COMPETITIONS

Secondary Modern School at Nunnery Farm, Spetchley Road, Worcester, for the City of Worcester Local Education Authority. Premiums, £400, £200, and £100. Assessor, John B. Surman, F.R.I.B.A. Conditions from the Secretary for Education, Education Department, 4, Copenhagen Street, Worcester. Deposit, £2 2s. Closing date, February 21.

NEWS

THURSDAY, October 21, 1948
No. 2802 VOL. 108

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Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis.

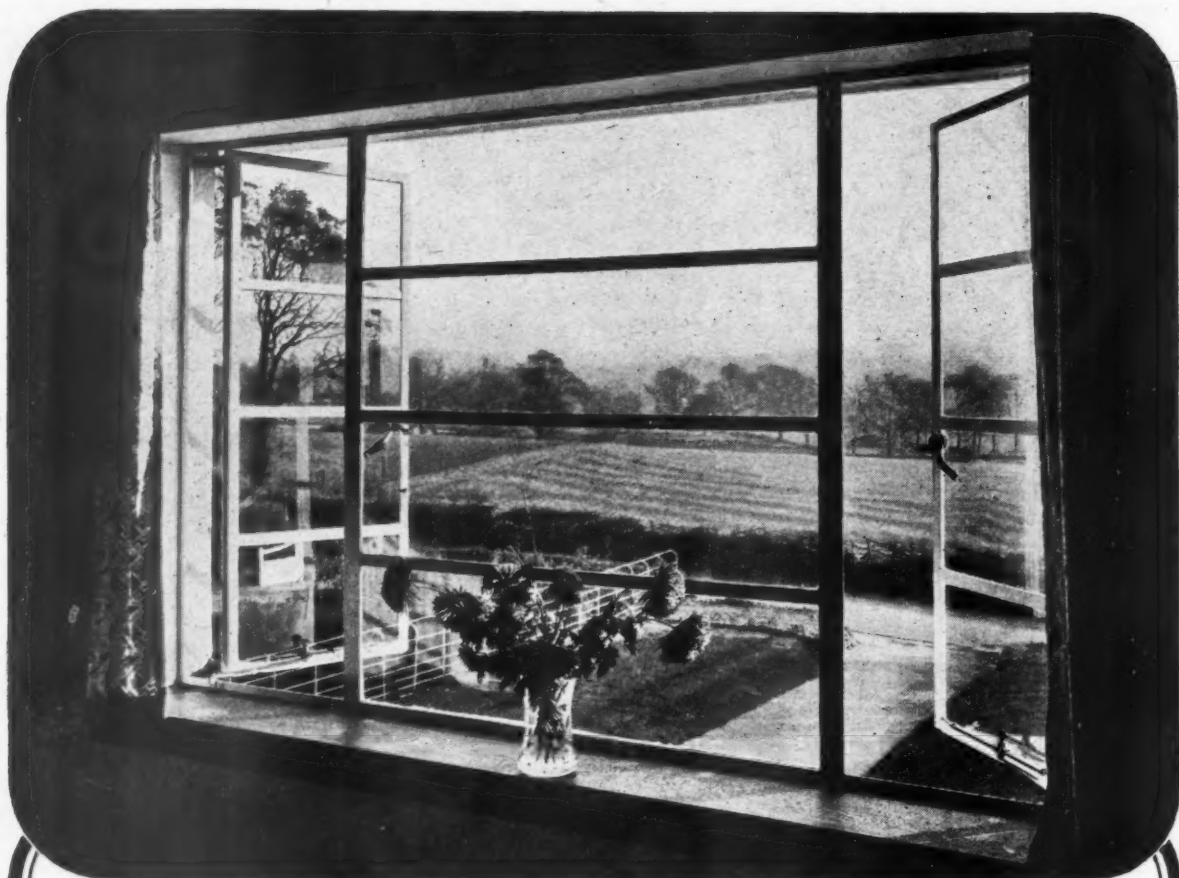
★ means spare a second for this, it will probably be worth it.

★★ means important news, for reasons which may or may not be obvious.

Any feature marked with more than two stars is very big building news indeed.

The rebuilding of the first of the bombed City churches, ALL HALLOWS-BY-THE-TOWER, has begun.

The Queen laid the foundation-stone two months ago, and building has now begun with the help of materials sent as gifts from Canada and the United States. The site of the north aisle has been excavated to depths between twelve and eighteen feet in order to sink in concrete the piers that will carry the roof. The core of the piers consists of steel rods, part of a gift from American friends of the parish and from Toc H. Gifts of steel and floor tiles have arrived from Canada and timber is expected soon; timber has also been promised from the United States. The architect is Lord Mottistone. He believes that the north aisle will be ready for use as a complete church by Easter, being incorporated in the larger structure later on.



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From AN ARCHITECT'S Commonplace Book

ARCHITECTURE AND ÆSTHETICS. [From *The Architecture of Humanism*, by Geoffrey Scott. Reprinted 1948 (Constable).] The attempt to reason honestly or to see clearly in architecture has not been very frequent or conspicuous; but, even where it exists, the terms it must employ are hardened with misuse, and the vision it invokes is distorted by all the preconceptions which beset a jaded argument. Not only do we inherit the wreckage of past controversies, but those controversies themselves are clouded with the dust of more heroic combats, and loud with the battle-cries of poetry and morals, philosophy, politics, and science. For it is unluckily the fact that thought about the arts has been for the most part no more than an incident in, or a consequence of, the changes which men's minds have undergone with regard to these more stimulating and insistent interests. Hardly ever, save in matters of mere technique, has architecture been studied sincerely for itself. Thus the simplest estimates of architecture are formed through a distorting atmosphere of unclear thought. Axioms, holding true in provinces other than that of art, and arising historically in these, have successively been extended by a series of false analogies into the province of architecture; and these axioms, unanalysed and mutually inconsistent, confuse our actual experience at the source.

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The CENTRAL LAND BOARD have issued statements about the working of the 1947 Planning Act.

Development Charge and Monopoly Value: The Central Land Board have formulated their procedure for determining a development charge in respect of on-licensed premises about to be built, and premises for which it is proposed to apply for a licence (i.e., those hitherto used for another purpose). The charge will first be assessed in the ordinary way as if no monopoly value were payable. Then:

(a) In the case of a new licence (including cases to which Section 73 of the Finance Act, 1947, apply), the actual monopoly value assessed for the new premises will be deducted, and the resulting figure will represent the charge.

(b) In the case of an ordinary or special removal, the notional monopoly value of the old premises will be deducted. If the removal is accompanied by surrender of other licences, their notional monopoly value will also be deducted.

(c) In the case of a planning removal, the notional monopoly value of the new premises will be deducted. This method is considered inevitable in view of the vagueness of the value of "pool" licences to be offset against it.

Single Plot Owners: Payment and Claims. On July 30, 1948, the Board announced arrangements affecting private owners who owned single plots before January 7, 1947. These arrangements entitled such owners, if they start to build a house on the plot for their own occupation on or before January 7, 1952, to a payment from the £300,000,000 fund equal to the development value in the land for the erection of a house. This should mean, in the absence of any marked change in market values, that the payment from the fund will broadly cover the development charge.

Consideration has since been given to the position of similar owners who bought their plots between January 7, 1947, and July 1, 1948, the appointed day for the coming into force of the Act. The Board has in consequence been authorized to extend this concession to such owners. The payment from the fund will not be available until after the scheme for payments has been made and approved by Parliament, but these owners will be able to set off their development charge against it. They must, of course, put in a claim for a payment before March 31 next, and the Board advise them to do so as soon as possible. The concession will also apply to persons who were under binding contract to purchase or lease plots on July 1, 1948.

These new concessions for single plot owners have nothing to do with the time limit for putting in claims. It is simply a promise to those who bought their plots between

January 7, 1947, and July 1 this year that, if they claim on the £300,000,000 fund by March 31 next, they will get the same preferential treatment, and facilities for setting off their development charge against their claim, as those who bought before January 7, 1947.

MOOR PARK, near Farnham, once the home of Sir William Temple, may be put up for auction.

A demolition order for the house was applied for but several proposals were made for its preservation. It is hoped to sell the house privately, preferably for use for some public or semi-public purpose, but failing this recourse will be had to a public auction. It was thought that a sale had been arranged to an international arts club, but it now seems unlikely that the negotiations will proceed.



On November 2 Lord Tedder will unveil at Northolt the Polish Air Force memorial, which is dedicated to all Polish aircrews who lost their lives in the war. The memorial is the work of Mr. M. Lubelski; the contractors were William Wood and Son of Taplow. Owing to the limited space only the names of 1,243 Polish airmen killed in combat are engraved on the memorial which is also dedicated to the 589 airmen who were killed on non-operational flights

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The Under Secretary of State for Scotland has replied to queries about the **SCOTTISH HOUSING PROGRAMME**

Questions relating to municipal housing in Scotland were raised by a deputation representing the Association of Counties and Cities which was received at St. Andrew's House, Edinburgh, recently, by Mr. J. J. Robertson, Under-Secretary of State for Scotland. Mr. Robertson denied that a lack of "balance" in Scottish housing as compared with English was due to an unfair allocation between the two countries of essential building materials such as timber and steel. There was no foundation for that belief on a population basis. Scotland had about 12.2 per cent. of the population of England and Wales, and for 1948 the allocations of timber and steel to Scottish housing were 12.8 per cent. and 32.7 per cent. respectively of the allocations to England and Wales. Since January 1, 1946, Scotland had completed 13.7 per cent. of the number of houses, permanent and temporary, completed in England and Wales. It was true that Scotland's housing programme was out of balance, but they were determined to restore the balance, and that meant restriction of new building. Mr. Robertson also denied the Association's statement that evidence indicated that the 1948 figure of houses completed would not exceed 12,000. Although complete figures were not yet available, up to the end of September this year, a period of only nine months, approximately 14,500 permanent houses had been completed, and he was hopeful that this progress would be maintained to the end of the year. The Association also asked for information on the effect on the availability of labour and materials for municipal housing of the Government's decision to increase the free limit for licensing from £10 per half-year to £100 per year. Mr. Robertson replied that he had no evidence to show that this had slowed the completion of houses. The relaxation was made at the beginning of last July, and in the three months July to September, 4,645 permanent houses were completed by Scottish local authorities and the Scottish Special Housing Association.

Earlier on the same day Mr. Robertson received a deputation of members of Edinburgh Corporation Housing Committee and officials to discuss the allocation of 200 houses which had been made to Edinburgh. He pointed out that this should be regarded as a first instalment, and gave an assurance that he would be prepared to look at the matter again next year, when the position would be clearer. But he gave warning that he could not guarantee that Edinburgh would be able to retain all the labour force which it had built up, because labour would be needed elsewhere.



The Festival of Britain, 1951

The first proposals for the 1951 Festival were announced by Mr. Gerald Barry, the Director General, last Thursday. The site for the central exhibition will be on the south bank of the Thames between the County Hall and Waterloo Bridge. Above are two tentative sketches, which, while making no attempt to show the final scheme, demonstrate the peculiar advantages of the site. Besides being

in an imposing position on the curve of the river, there are regular lanes of access from the north bank across the three bridges, as well as the possibility of the transport of visitors by river bus. In the top sketch a pedestrian way is shown starting from Trafalgar Square, across Hungerford Bridge, and into the centre of the exhibition ground. See also page 374 and Astragal's comments.

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Two meetings of the BUILDING INDUSTRY WORKING PARTY have now been held.

The first meeting was held in July and was taken up by preliminary discussions, mainly on procedure and by the approval of the first list of those to be invited to give evidence. At the meeting on September 28 and 29 preliminary consideration was given to the memorandum of evidence submitted by the Ministry of Works, and oral evidence was heard from representatives of the Department. It was agreed at the first meeting that a questionnaire ought to be prepared to facilitate the gathering of evidence, and the text of the questionnaire was approved at the September meeting. The number of bodies already invited to give evidence is considerable, but the list is by no means exclusive, and others will be added either on their own request or on the initiative of the Working Party.

The text of the questionnaire is extensive and tries to cover all the major points to which, so far as the Working Party can see at this stage, attention ought to be directed. But it is not intended to confine evidence to the points listed. Witnesses are encouraged to deal with any other points within the terms of reference. At the same time witnesses are not obliged to deal with the complete range of subjects already listed should they not wish to do so.

As already reported in the JOURNAL, the terms of reference of the Working Party are:—

"To enquire into (a) the organization and efficiency of building operations in this country, including those of specialist and sub-contracting trades; (b) the position of the professions in relation thereto; (c) the arrangements for financing operations; and (d) the types of contract in general use, and to make recommendations."

Questions of wages and conditions, which are dealt with by the joint negotiating machinery in the industries, will be outside the scope of the enquiry.

NEWS IN BRIEF

The Board of Trade announce that from October 1, 1948, the selling price of Liquid Rosin distributed through the agency of the Liquid Rosin Importers' Association Ltd., 84, Leadenhall Street, London, E.C.3, will be reduced by £6 per ton to £32 per ton *ex* United Kingdom warehouse. Enquiries regarding this should be addressed to the Director of Sundry Materials, Board of Trade, 8-10, Old Jewry, London, E.C.2.

T.N. Mitchell, B.Arch., A.R.I.B.A., has been appointed Regional Architect to the Liverpool Regional Hospital Board, and the appointment will take effect from December 1. Mr. Mitchell, who is 39, is at present architect to the Education Committee of the County Borough of Middlesbrough. The salary of the new appointment is £1,350-£1,550.

In a Golf Match between the RIBA Golfing Society and the Golfing Society of the Executives Association of Great Britain, held on the RAC Country Club, Epsom, recently, the architects defeated the Executives by 10½ to 6½. The singles in the morning were very evenly contested and at lunch time each side had registered 5½ points; in the afternoon Fourball Foursomes, the Architects were triumphant, winning five matches to the Executives' solitary one. John Grey is Captain of the RIBA Golfing Society. Eric Firmin, Hon. Secretary of the Society, will be very glad to hear from architect-golfers who would like to take part in future fixtures; his address and telephone number are 111, Park Street, W.1. Telephone: Mayfair 8240.

EXISTING USE VALUES

THE great Town and Country Planning Act of last year is now bumping against its first really big obstacle—or at least the first one seen by large numbers of ordinary citizens. During the war years a very large number of people looked forward to having a house specially built for them after the war. There is now a reasonable hope that a good proportion of them will be able to do so within a year or two—as far as labour, materials and building licences are concerned.

The qualification is important. Before one builds, and customarily before one plans a house, a site must be discovered at a reasonable price. Most of those who want to build a house are finding it extremely difficult to do this. Some of them are puzzled and some, as architects are well aware, are feeling very annoyed with the Act. One provision of the Act which can be understood by anyone is that land is to be made available for approved development at existing use value (plus, of course, development charge). It is only too plain that this is not happening.

What is happening is equally plain: it is a landowners' strike, or more properly a landowners' lock-out. The landowners' attitude is that before the war investment in land with the intention, among others, of benefiting from any future increase in value was legal, prevalent and indulged in by a majority of the most respected persons and institutions in the country. It might have evil consequences, but so can inheriting money and driving a car. The 1947 Act has expropriated development values (by far the largest part of total increased value) and given instead a claim on a fund of £300 million from which most landowners believe they will recover only a fraction of the value they have lost.

Landowners' have therefore decided, in the great majority of cases, not to sell unless they are paid a price equivalent to existing use value *plus* development charge. They are fortified in so doing by a grievance, by a belief that many people will pay either because they know no better or just to get things settled, and by a belief that acquisition at existing use value will prove impossible to achieve in practice.

Given labour and materials for a modest proportion of private building this opposition will soon become a very serious matter. The Planning Acts since 1943 have, so far, in the eyes of the ordinary citizen, produced nothing but paper plans, forms and prohibitions. If we must continue to wait for the rebuilding of city centres and new towns, and if any goodwill for the Act is to be retained, it is essential that land should be made available at something near existing use value for the small amount of private house building now being authorised.

The way to tackle the problem seems simple. It is for every Planning Authority to set aside all other work (except dealing with development control) until it has plotted on a map all sites suitable for private housing that clearly come within

the "infilling and rounding off" class. The maps should then be publicly exhibited, intending developers should be encouraged to try to buy the suitable sites and report the price asked by the owners. If the prices asked are unreasonable the Central Land Board should begin proceedings for compulsory acquisition.

There is of course a limit to what the Central Land Board can do in a few months. But if the maps are prepared and exhibited, if publicity is encouraged in the local Press and if the Board begin proceedings in even one case in each large town, prices will certainly fall a great deal even if not quite to existing use value. They will not fall a penny because of one speech by Sir Malcolm Trustram Eve.



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N O T E S & T O P I C S

FESTIVE FIFTY-ONE

Last week, to an audience of the technical press corralled in the ELMA lecture theatre beneath an inverted forest of lamp brackets, Gerald Barry, Director General of the 1951 Festival, outlined his plans as far as they have got, and introduced the members of his Executive Council.

These plans* include a central exhibition on the South Bank, a special architectural exhibition upon an undisclosed site in Central London, regional festivals at provincial cities, and a general atmosphere of fun, flowers, fountains and fireworks throughout the land. If they are implemented as imaginatively as they are conceived, they will certainly help to disprove the myth that we take our pleasures sadly in this country.

*See frontispiece and page 374.

So far as architecture is concerned—and it is concerned in almost every field of the festival endeavour—there are several very encouraging features to be welcomed. First, the choice of site, which could not, I think, be better, particularly when you consider the sudden and unexpected impetus which is given thereby to the South Bank improvement scheme, a stone which has bumped around gathering moss in Ministerial corridors for too many years. Second, the announcement that the new LCC Concert Hall will be completed by 1951. (Architects Robert Matthew and J. L. Martin will have to get moving to achieve this.) Third, the scheme to display architecture as architecture, in the form of a cross-section of a residential neighbourhood complete with all its communal amenities.

People are tired of plans and photographs. New towns progress so slowly they have lost their initial romance and excitement. Neighbourhoods are never completed quickly enough under normal methods to enable their visual and social virtues to be enjoyed and understood. Here, at last, is a chance to make a full-scale demonstration of the advantages of a well-designed environment—including planting and street furniture—while the suggestion of exposing and cutting away parts of the structures to illustrate techniques and building methods is also admirable.

Obviously there are snags and disappointments ahead. If, in fact, a site is available for such a neighbourhood development in London, it is likely to be in one of two stages. Either the site has been acquired and cleared—in

which case the drawings will probably have been done, and it will be difficult to alter them to suit the demands of the exhibition. Or, if the site has *not* been acquired, by the time it has been—after all the legal complications—it may be too late to get anything built. Here is a possible tangle which will have to be sorted out.

Some speakers at the press conference also expressed their doubts as to the appearance and durability of the "fabric structures," in which it is proposed, *faute de mieux*, to house the South Bank exhibition. We await more information on these, for obviously there are serious problems of fire risk, humidity, and resistance to weather to be considered. As to appearance, the possibilities—remember Le Corbusier's tented show in Paris, 1937?—are both endless and exciting, and there should be no need to echo the spoken fears of one journalist who complained that "temporary structures looked so terribly prefabricated." All the same it is a pity the Government couldn't help out by making available a few Marston sheds or old Bellman hangars which, with a little ingenuity, could be turned into elegant and less potentially risky exhibition halls.

Sharrawags will be delighted to hear that the Shot Tower is to be retained as a feature of the exhibition, Thames-taxi fans will welcome the increased opportunities provided by a riverside site, balloonists will note with pleasure the proposal, shown in the preliminary sketch, to moor balloons above the exhibition. Only Mr. Bunge will be disappointed for he has not been awarded his Barrage.

THE NEW GOOD MIXING

The LCC's proposal to build some middle-class—dare one say upper middle-class?—houses to let on their St. Paul's Cray estate [see AJ for October 7] will be variously received. The Llandudno delegates will probably take it as a forceful step towards nationalizing us all at home as well as at work, and those who can set aside politics may regard it as at least an occasional necessity if newly built residential neighbourhoods are to be



A school desk and chair, designed by Messrs. James D. Bennet, Ltd., shown in the Scottish section of the RIBA New Schools Exhibition. The exhibition was presented in Glasgow by the Scottish Committee of the CID and the RIAS. See Astragal's comment below.

socially well-balanced. No one should underrate the psychological importance of this new departure in housing.

For the next two or three years the great middle class will scramble for the houses. Their alternatives will be to pay £5,000 for a similar house on the open market, or to pay £1,000 for a $\frac{1}{4}$ -acre plot and take their chance of building a much inferior house for £2,000 more.

But what will happen after five years, assuming something like peace continues? Some continuing demand is likely from middle-class families who have to move about the country. Against this, it seems to me certain that large numbers of the middle-class will refuse to live in such houses if they can possibly avoid it. Partly this will be a revolt of the individualist against uniformity, partly a snobbish hatred of living in anything like a Council house, let alone of being a Council tenant. [As Council houses are now rather well designed, this has disturbing architectural implications.]

There is also to my mind a much more substantial reason. Every more intelligent mother of young children guides the scope and direction of their

acquaintance from time to time for any of fifty good reasons. However great the defects of middle-class residential areas, it is at least easy to do this. A middle-class mother who tried to do it in the midst of a normal Council estate would find herself, almost certainly, in an intolerable position. People who pooh-pooh this kind of difficulty are doing bad service to social progress. It is a fundamental difficulty; few sane people will hazard their children's welfare in the slightest degree for any general social objective.

The breaking down of segregation by income in residential areas must be recognized as being as difficult as it is desirable. Three basic rules would seem to be that larger houses should always be in groups of 20 to 40, there should always be several, and preferably six or seven, such groups in each new neighbourhood of, say, 2,000 houses, and the groups should be well distributed throughout the neighbourhood.

SCOTLAND FOR EVER?

Take a look at the desk on this page and see what you think of it. It was added, apparently by the Scottish Committee of the CID to the RIBA schools exhibition, now in Glasgow.

The manufacturers naively point out that "malingerers can no longer conceal blood and thunders" because the book rack is completely open. Educational theory has doubtless got way beyond Astragal, but surely a desk locker is the *only* piece of privacy a child has in the average day school. Maybe Sexton Blakes are out, but may not even one's favourite indiarubber remain unpublicised. This is one of the times when Astragal is quite glad to be middle-aged. And surely "malingerers" isn't quite what the manufacturers meant?

ERIC RAVILIOUS

I am delighted that the memorial show of Eric Ravilious' work which was held at Eastbourne (where he was brought up) during the summer has now come to London. Since he was killed in 1942 while serving as a war-artist, some official exhibition of his work was clearly called for. The Arts Council now have a good selection of his water-colours, engravings and industrial designs on show at their new galleries in St. James's Square.

For architects his industrial designs have special importance because he was one of the few people who have managed to solve the problem they themselves are now faced with on a larger scale: how to evolve a fresh, modern style of design that is personal without being whimsical and traditional without being retrospective. In his pottery decoration for Wedgwood I think Ravilious achieved this. His pottery is fairly well known; less well known is the fact that he also designed furniture: a dining table and some chairs to go with it that have the same qualities I have just described.

Only four sets of this furniture were made. One was destroyed in the blitz, one went to America, one is in private ownership and the remaining set, I am pleased to learn, has just been acquired by the V and A Museum. The table and two of the chairs from the privately-owned set can be seen at the Arts Council exhibition. They are a beautiful example of craftsmanship as well as of design.

ASTRAGAL



A plan of the south bank of the Thames showing, to the right of the County Hall, the four areas now being cleared for redevelopment by the LCC. The new concert hall is to be built immediately, the remaining areas being used as the site of the central exhibition of the Festival of Britain, 1951.

LCC SCHEME FOR THE THAMES SOUTH BANK

Clearance of the site in preparation for the redevelopment of the South Bank of the Thames has already begun. Last Thursday Mr. I. J. Hayward, leader of the LCC, explained the proposals for the immediate redevelopment of the area between County Hall, Waterloo Bridge, the river and York Road. This whole area, of about 30 acres, is to be cleared, with the exception of the Shot Tower which, at the request of the 1951 exhibition committee, will be retained. The embankment wall will be continued from the County Hall to Waterloo Bridge, Belvedere Road is to be improved, and a concert hall is to be built.

The LCC has been asked by the general purposes committee to approve the plans and estimates for about two million pounds to meet the cost of these proposals.

The new wall will be of concrete faced with granite, and similar in appearance to the existing one. It will run from the northern end of the County Hall to a point fifty yards south of Waterloo Bridge, a total distance of 1,700 feet. The wall will encroach into the river an average distance of 110 feet, and the space between the wall and the existing wharves will be filled, so that about 4½ acres of land will be reclaimed from the river. This space will ultimately be laid out as public gardens. About 120,000 cubic yards of consolidated filling will be required. It is planned to begin the construction of the wall early in 1949 and to complete it by the end of 1950.

The new concert hall will form part of a cultural centre between Hungerford and Waterloo bridges. The hall will be built on a site immediately to the north-east of Hungerford Bridge, and in the cultural centre will be provided a smaller hall and other facilities for cultural development. A restaurant is included in the plans. The site of the national theatre—a project independent of the Council, which is merely providing the site—will be adjacent to the centre.

The concert hall is to be designed by the LCC architect, Mr. Robert Matthew.

No close estimate of the cost can be given until detailed plans are prepared. Of the approximate estimate of £2 million, the concert hall represents £1,250,000, the extension of the river wall £750,000, and the improvement of Belvedere Road, £75,000. A sum of £10,000 has already been voted for preliminary work, including the making of trial holes, and additional architectural staff have been engaged. To simplify the carrying out of the redevelopment project, the Council is to be recommended to entrust the task to the general purposes committee, which will in turn appoint a special sub-committee of seven.

PLANS FOR THE 1951 FESTIVAL

Some details of the Festival of Britain, 1951, were given last Thursday by Mr. Gerald Barry, Director General of the Festival. The theme will be Britain's contribution to civilisation. The festivities will be on a large scale and will take place between May and September in a number of cities and towns throughout Britain.

Housing the exhibition presents a complex problem. It was found that even temporary rigid structures would require considerable quantities of materials in short supply, so interfering with housing and other important building work. It is therefore proposed to house the exhibition in temporary structures of a new kind which, the organizers believe, can solve the problem in an arresting and visually exciting way. They will be fabric structures, and research now being carried out suggests that new materials can be used.

The central exhibition is not intended to be a trade fair. Its aim will be to tell the story of British life as it has evolved out of the people we are and the land we live in—in work, in play, in discovery, invention, and design; to offer a coherent and imaginative picture of British achievement, past, present, and to come, and of its contributions to the thought and action of the world.

The display will be selective, concentrating on quality instead of quantity. The Council of Industrial Design will have primary responsibility for selecting contemporary industrial exhibits to illustrate the exhibition's theme. In addition, the Council of Science and Technology, a body created for the purposes of the festival, will see that a full range of scientific achievements will be represented, not only in the exhibition but in other ways.

It is also proposed to hold elsewhere in London, with the advice of the festival Council of Architecture, Town Planning, and Building Research, an architectural exhibition on unusual lines, devised to grip the imagination of the lay visitor. It will be a "live" exhibition of full-size buildings, grouped as a cross-section of a residential neighbourhood containing houses, flats, shops, community centre, nursery schools, open spaces, light industry, and possibly a church and a public-house. Such a full-scale demonstration will show the advantage of town-planning; at the same time advances in building science will be illustrated by leaving some of the buildings unfinished, with sections exposed.

The most interesting point about this project is that the demonstration buildings will all be completed when the exhibition is over, and the entire neighbourhood then handed over for normal and permanent occupation. Though the site is not yet settled, it will be chosen from among the redevelopment areas scheduled in the County of London plan, making use of bombed sites as near to the centre of London as is practicable.

Festivals of the arts will be held in London and other towns, and there will be a travelling exhibition in other districts. The festival organizers hope to work closely with other important annual events, and they hope that together they will make a nation-wide contribution alongside the official festival programme. The British Industries Fair of 1951 will be complementary to the exhibition in London, and not competitive.

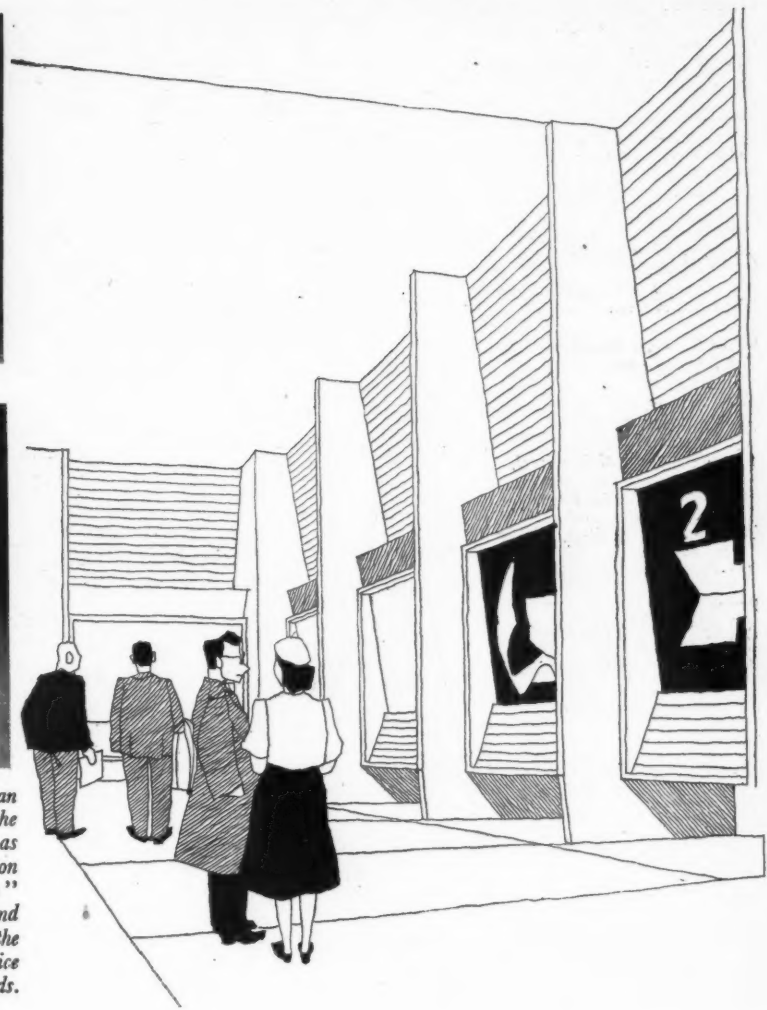
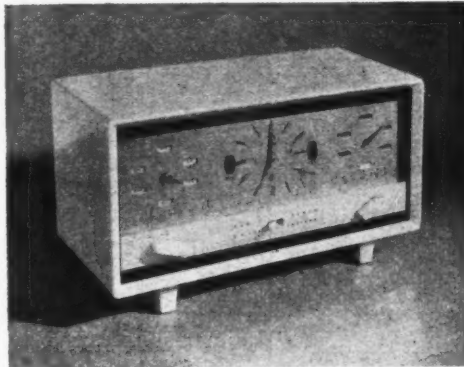
To ensure that a central record is available of current British industrial design, a pictorial card-index has been opened at the CID in preparation for the Festival. Whilst it is being built up this card-index will be used to answer inquiries from home and abroad about British industrial design. As the Festival year draws near, it is hoped that the card-index—the "1951 Stock List"—will provide all those concerned with translating the Festival Theme into terms of display with their most fruitful source of material—although there will be no restriction to items on the stock list alone.

All designers, artists, engineers, architects and inventors are asked to send photographs of current products (or prototypes) of which they are most proud in the whole realm of manufactured goods, hand-made, as well as factory-produced, for inclusion on the Stock List.

A Presentation Panel has recently been appointed, under the chairmanship of Mr. Cecil Cooke, the Director of Exhibitions, with overall responsibility for the design of the Exhibition as a whole.

This Panel will not exclusively design the exhibition in detail. The services of many designers will be required, and it is probable that competitions will be arranged. A considerable degree of decentralization, whether on the competitive basis or otherwise, is envisaged.

The following are members of the Presentation Panel: Cecil Cooke, Director of Exhibitions, Central Office of Information; Misha Black, Central Office of Information; Hugh Casson, Director, Architecture, Town Planning, and Building Research; Ian Cox, Director, Science and Technology; James Gardner; James Holland, Central Office of Information; Dudley Ryder, Council of Industrial Design; Ralph Tubbs.



Top, the electric iron designed by Christian Barman for HMV in 1936. It was the first British electric iron to be designed as such, leaving behind the traditional flat-iron shape. Above, Radio set "Radiotone" manufactured by E. K. Cole Ltd. and designed by Wells Coates. Below, the Commonwealth tea and dinner service designed by Keith Murray for Wedgwoods. Right, a display stand in the exhibition.

R.D.I. EXHIBITION

AT BURLINGTON HOUSE



DESIGNER IN CHIEF:
MILNER GRAY, OF THE
DESIGN RESEARCH UNIT

The Design at Work Exhibition, the first of its kind to show the work of members of the Faculty of Royal Designers for Industry, opens at Burlington House, Piccadilly, on October 26. On this and the following page is a preview of the exhibition showing some of the typical display features and examples of the work of architect members of the Faculty that will be on view.

ENTRANCE AND ROOM 1. Introduction.

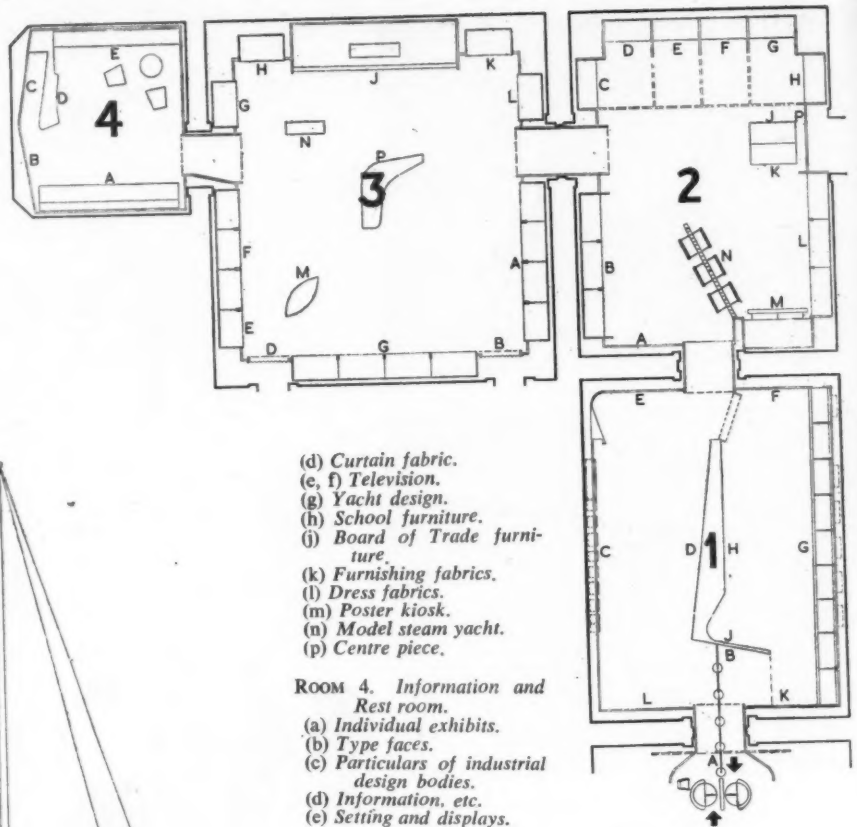
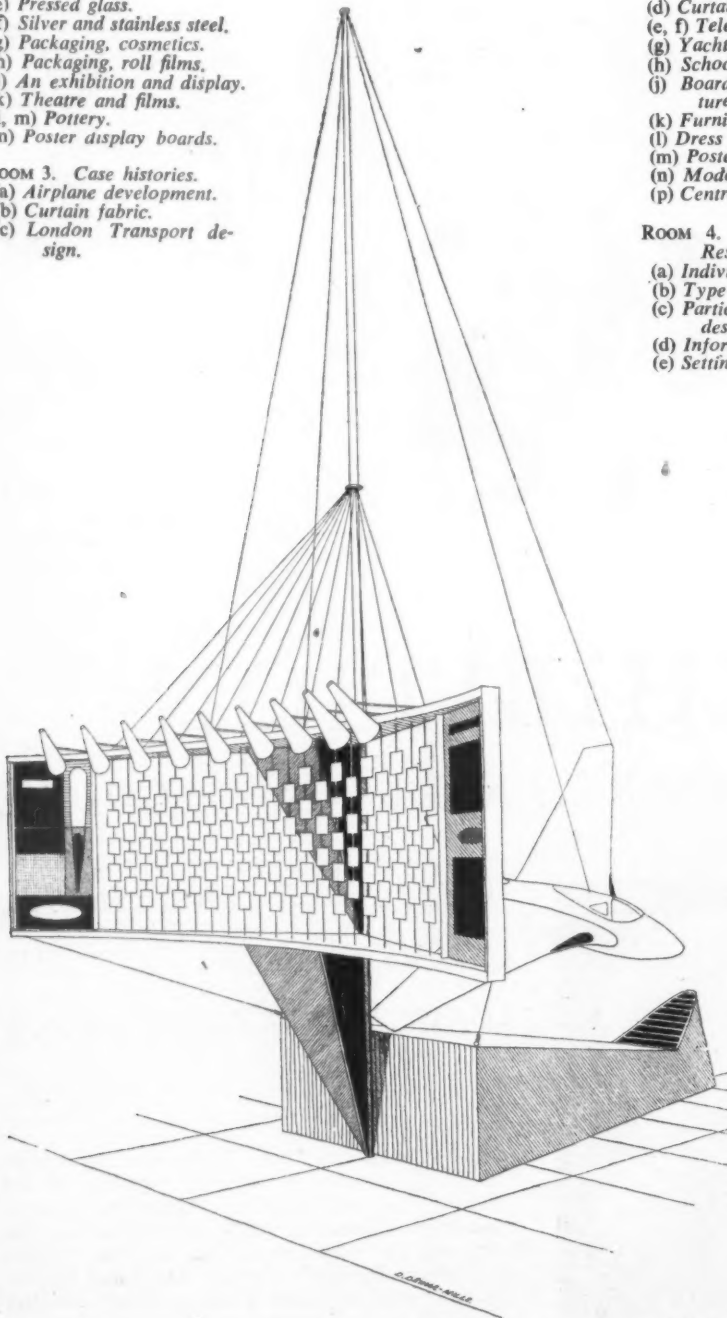
- (a) Title RDI Design at Work Exhibition.
- (b) Repeat title and sponsors.
- (c) Introduction: explanation of design with physical exhibits.
- (d) Reference to RSA and CID and previous exhibitions.
- (e) Slogan emphasizing co-operation between manufacturer, designer and technician.
- (f) Display slogan.
- (g) Photographic display.
- (h) Symbol representing the process of design.
- (j) Display: Designers at work.
- (k) Final slogan.

ROOM 2. Case histories.

- (a) Display cases.
- (b) Radio.
- (c) Lighting.
- (d) Table glass.
- (e) Pressed glass.
- (f) Silver and stainless steel.
- (g) Packaging, cosmetics.
- (h) Packaging, roll films.
- (i) An exhibition and display.
- (k) Theatre and films.
- (l, m) Pottery.
- (n) Poster display boards.

ROOM 3. Case histories.

- (a) Airplane development.
- (b) Curtain fabric.
- (c) London Transport design.



- (d) Curtain fabric.
- (e, f) Television.
- (g) Yacht design.
- (h) School furniture.
- (i) Board of Trade furniture.
- (k) Furnishing fabrics.
- (l) Dress fabrics.
- (m) Poster kiosk.
- (n) Model steam yacht.
- (p) Centre piece.

ROOM 4. Information and Rest room.

- (a) Individual exhibits.
- (b) Type faces.
- (c) Particulars of industrial design bodies.
- (d) Information, etc.
- (e) Setting and displays.

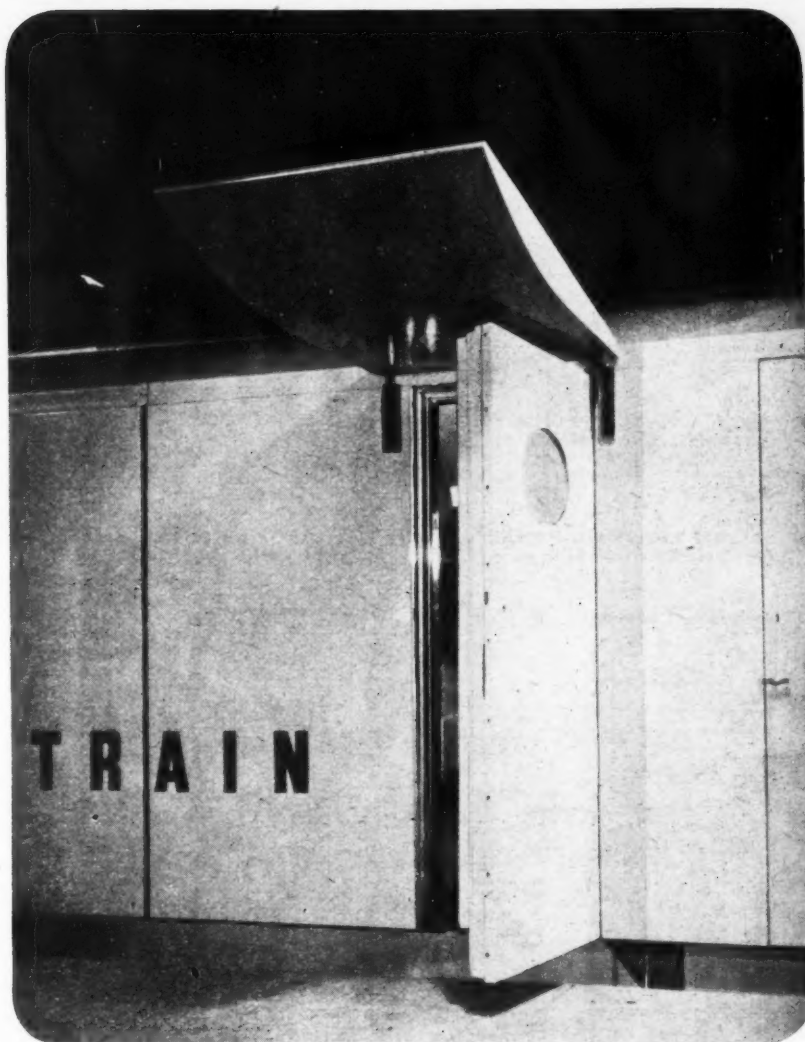
PLAN [Scale: $\frac{1}{32}$ " = 1' 0"]

Left, Display feature, designed by James Gardner, for the jet propelled De Havilland 108 experimental airplane. Below, the gold cigarette box, designed by Robert Goodden, given by the Royal Society of Arts to Princess Elizabeth as a wedding present.



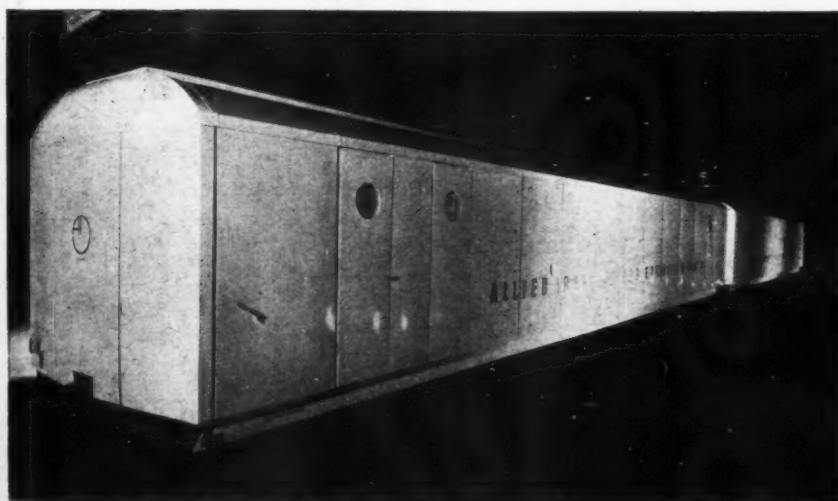


Above, the cinema ; right, the cinema exit ; below, the exterior.

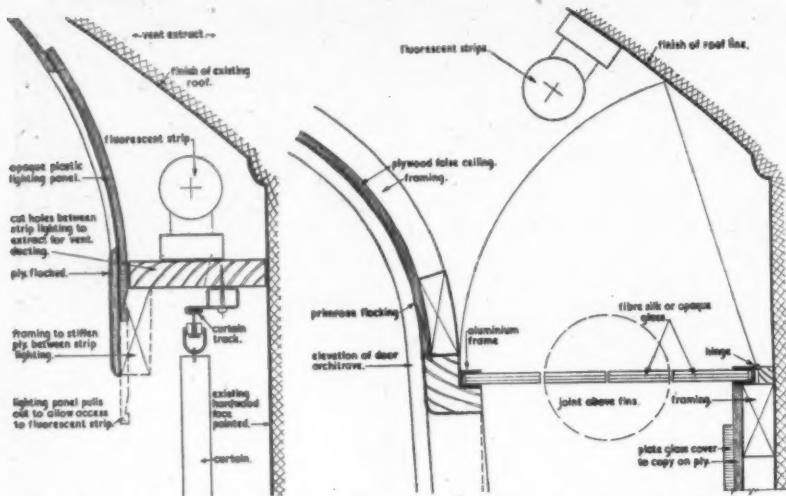


EXHIBITION TRAIN

DESIGNED BY ARTHUR C. BRAVEN
IN COLLABORATION WITH DONALD ATKINS, OF MATHER
& CROWTHER. CONSULTING ARCHITECT: DEREK BRIDGWATER

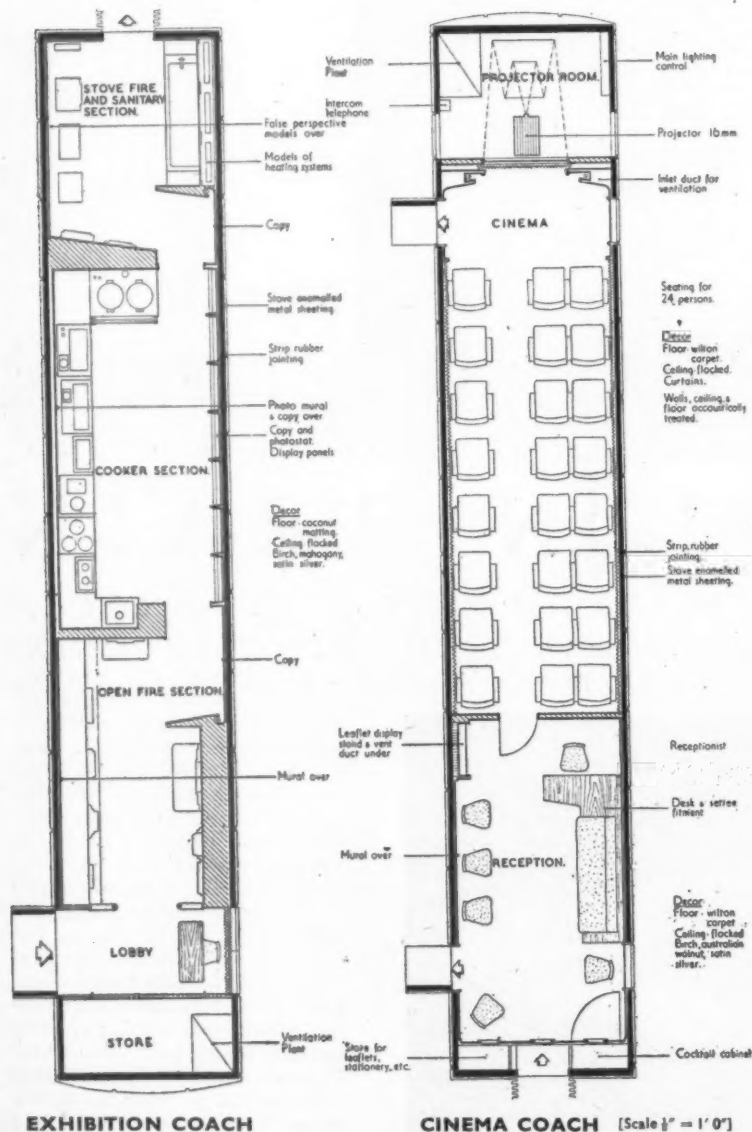


GENERAL. — This exhibition train, produced by Allied Iron-founders, Ltd., has been designed to enable an audience of architects, builders, local authorities and others connected with the building industry who would not normally be able to see so comprehensive an exhibition except, possibly, in London, to inspect, first hand and in detail, a comprehensive range of heating appliances, cookers and baths with the necessary information relating to each, and with facilities for instructional films and lectures. The exhibition is to be put on view in all the most important centres of the country. After considering all possible methods of transporting an exhibition of this kind, it was



DETAIL OF LIGHTING PANEL
IN CINEMA [Scale $\frac{1}{4}$ full size]

DETAIL OF LIGHTING PANEL
IN EXHIBITION COACH



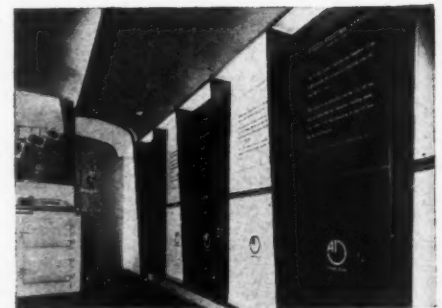
EXHIBITION COACH

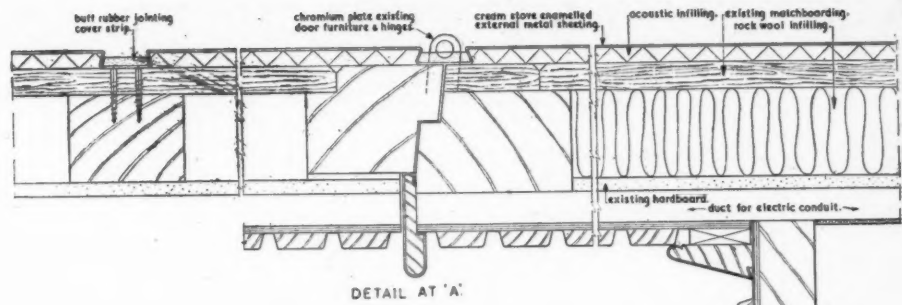
CINEMA COACH [Scale $\frac{1}{8}$ = 1' 0"]

decided that movement by rail would be most suitable. This decision was guided not only by the distances to be covered (on its present itinerary, the exhibition train will travel nearly 2,000 miles), but also by the total tonnage of the appliances which have to be shown, and the amount of space needed for each of them to be demonstrated and explained in detail. The train consists of two 50-ft. coaches, one devoted to the appliances, the other designed as a reception, cinema and lecture coach.

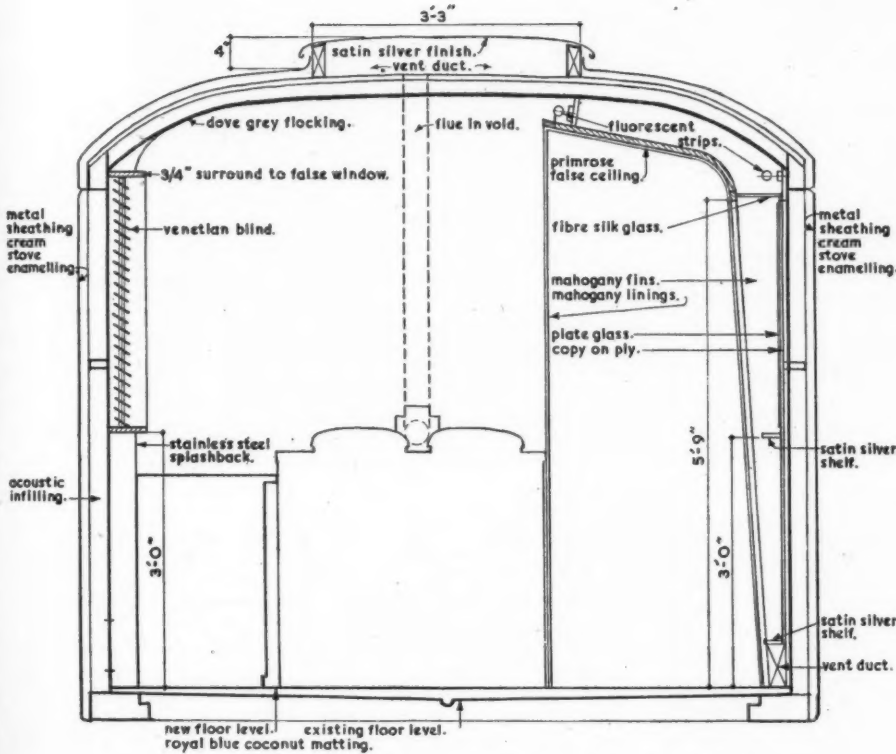
PLAN—On entering the train, visitors will step first into the reception office, which includes an information desk, linked by internal telephone to all other sections of the train, and by GPO 'phone to the outside world. Leading from the reception lounge is the cinema and the exhibition coach. The cinema is 27 ft. long, and seats an audience of 24. It is treated acoustically by being hung with curtaining material of a special design. Each film showing lasts for approximately 30 minutes; during which time the

Below, the cinema. Bottom, descriptive panels in the cooker section of the exhibition.

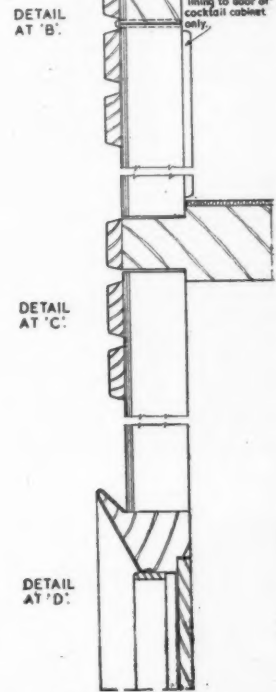




DETAIL AT 'A'

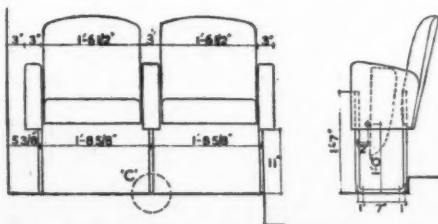


SECTION THROUGH EXHIBITION COACH [Scale $\frac{1}{2}$ " = 1' 0"]

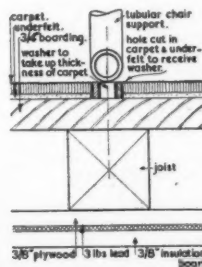


WALL DETAILS

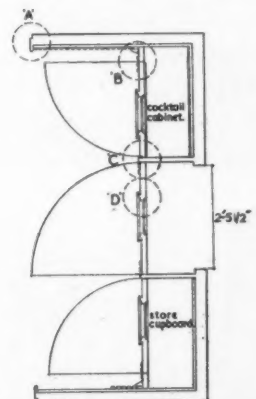
SEE PLAN BELOW [Scale $\frac{1}{2}$ " full size]



FRONT AND SIDE ELEVATION OF CINEMA CHAIRS [Scale $\frac{1}{2}$ " = 1' 0"]



DETAIL OF CHAIR FIXING AT "C" AND FLOOR INSULATION



PLAN OF ENTRANCE END OF RECEPTION COACH [Scale $\frac{1}{2}$ " = 1' 0"]

air in the cinema will have been completely changed three times. At the other end of the reception lounge is the entrance to the exhibition coach, with its displays of cookers, heating stoves, baths and fittings. The display of these appliances has been arranged to permit close inspection, and each is provided with technical informa-

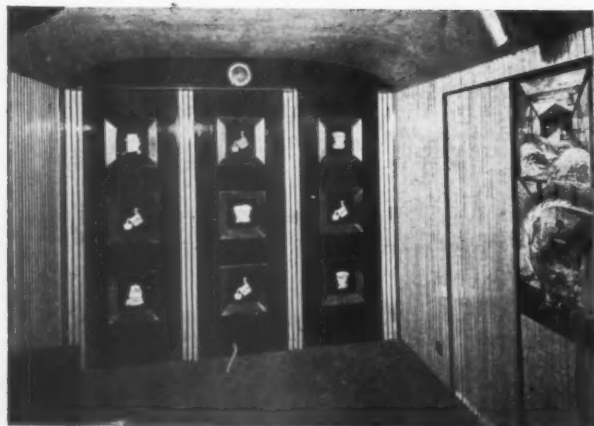
tion in a form convenient for rapid reference.

TECHNICAL—One of the problems of the train has been soundproofing, for there is a considerable amount of noise even on the quietest railway station. Beneath the outer sheathing of the train is packed a layer of soundproofing

and insulation material, whilst a false wall inside the actual structure of the coach conceals a further 2-in. thickness of soundproofing. In this way the interior will be kept silent under all conditions; whilst a complete air conditioning



Above, part of the reception coach. Left, the open fire section with a mural by Norman Partridge. Below, left, panelling in the reception coach, with carved wooden figures in raised metal frames. Below, right, the entrance to the exhibition coach.



installation maintains it at an even temperature and free from dust and fumes. One of the most striking features of the train is the exterior—entirely sheathed in cream enamel sheet. This is the same material as is used for the manufacture of gas cookers. This outer skin is not only ornamental, it provides an easy to clean surface, and forms the outer skin of a sound-insulated wall. In the cinema coach five special mirrors are used in the projection room to enable a full-size picture to be shown in the very confined space. The general contractors were A. Davies and Co. Ltd. For sub-contractors see page 388.

EXHIBITION TRAIN: BY ARTHUR C. BRAVEN

*Right, from the south-east.
Below, from the east, the
original gardener's cottage
is on the right.*



HOUSE AT SONNING, BERKS.

BY THE ARCHITECTS' CO-OPERATIVE PARTNERSHIP



GENERAL.—The client, finding her twelve-roomed house too large, decided to build an addition, suitable to her needs, on to a small gardener's cottage on an adjoining plot of land.

SITE.—This is of one acre. The frontage is 62 ft., of which half is occupied by the gardener's cottage.

PLAN.—The accommodation required consisted of a living room, two bedrooms, kitchen and bathroom, with the addition of a bathroom to the existing cottage.

CONSTRUCTION. — External walls are of load bearing flint brick, fair faced and unplastered, except the south-east walls of the first floor which are timber frames sheathed with cedar weather-boarding. The first floor

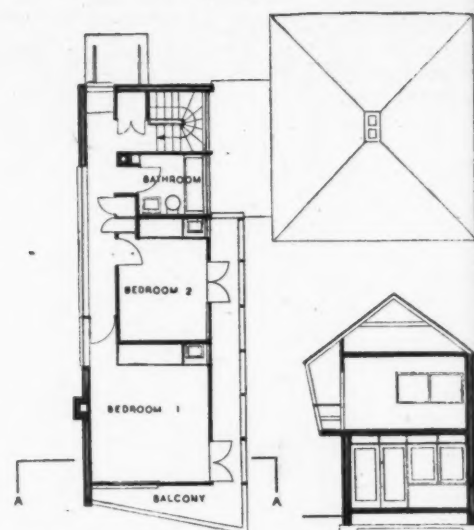


Top, the staircase. Above, the dining end of the living room.

floor-slab is $6\frac{1}{2}$ in. filler-joist construction cantilevered out to form a balcony. Internal walls are of breeze blocks.

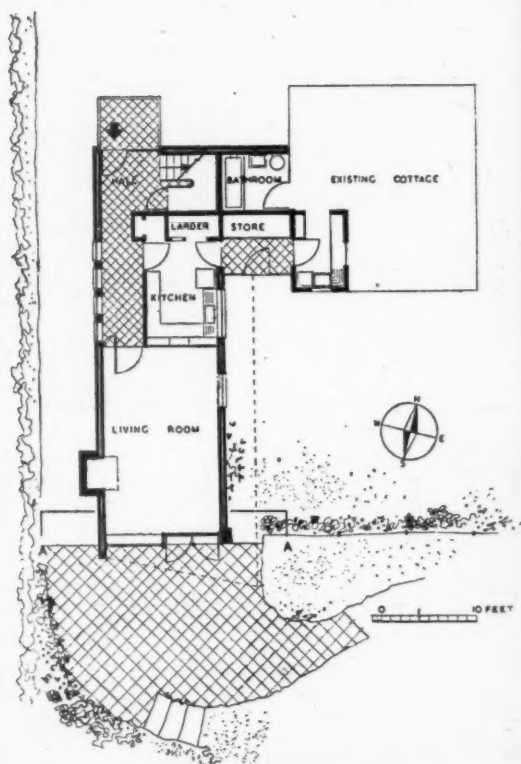
INTERNAL FINISHES.—The staircase, doors and linings are of wax polished pine. Floor finishes: tiles and pine strips laid on concrete on the ground floor, carpet-

ing direct on concrete on the first floor. The north wall of the living room is lined with Gaboon ply and wax-polished; a third of the wall is pivoted to form a door 7 ft. 6 in. by 4 ft., while the remainder consists of a two-way hatch, cupboards, drawers, hot-plate and plate rack.



FIRST FLOOR PLAN

SECTION A-A



GROUND FLOOR PLAN

SERVICES.—A solid fuel boiler feeds five radiators off a direct system, while the flue heats the landing. Hot water supply is by an indirect system from the same boiler.

COST.—The cost was approximately £1,200. The general contractor was Sydney Paddick & Son. For list of sub-contractors, see page 388.

HOUSE AT SONNING, BERKSHIRE



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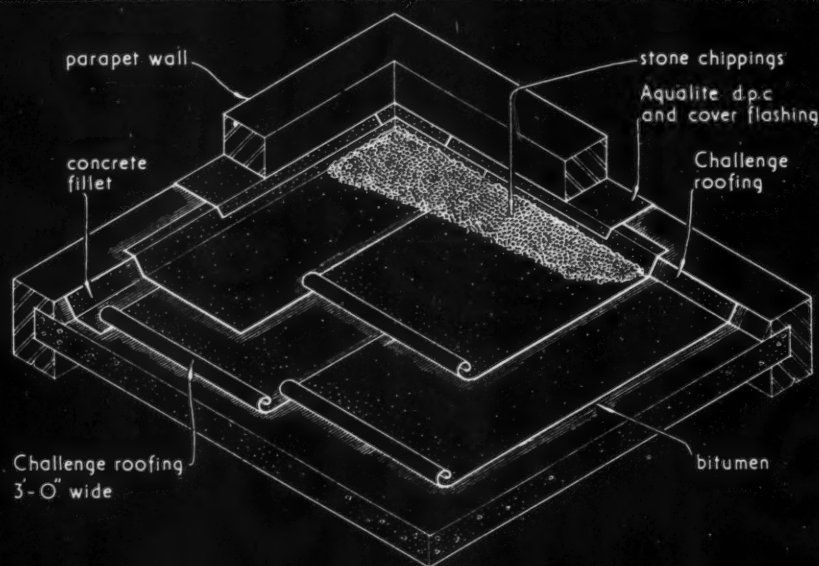
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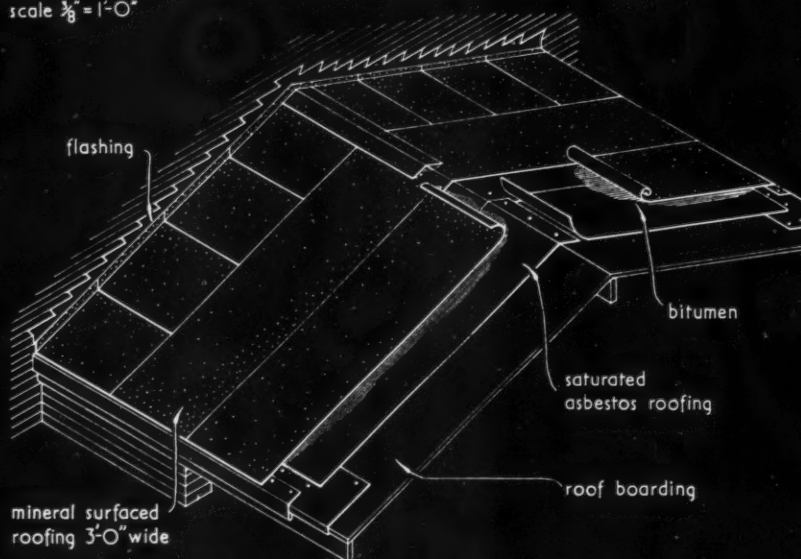
ROOF SHEETING MATERIALS | BITUMEN

16.J1

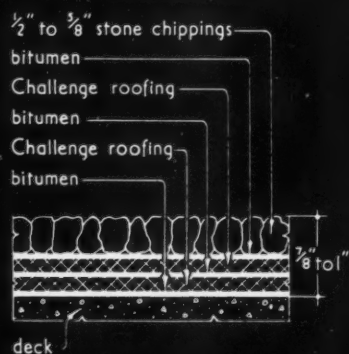
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CONSTRUCTION TYPE 1 LAID ON CONCRETE FLAT ROOF.
scale $\frac{3}{8}'' = 1'-0''$

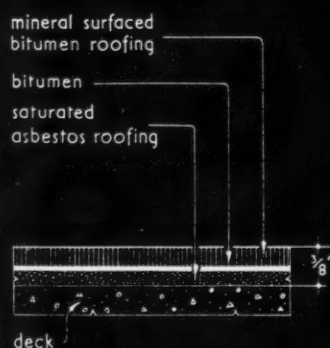


CONSTRUCTION TYPE 4 LAID ON TIMBER PITCHED ROOF.
scale $\frac{3}{16}'' = 1'-0''$

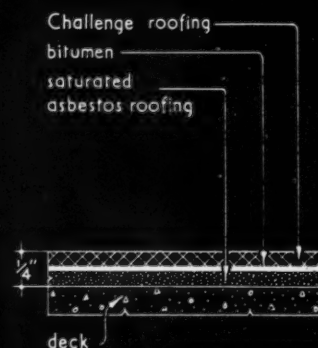


TYPE 1 (43 lb. per sq. yd.).

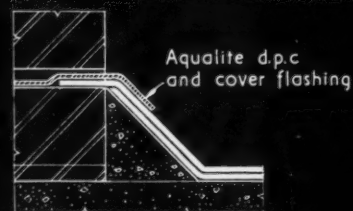
SUMMARY OF TYPES OF CONSTRUCTION.



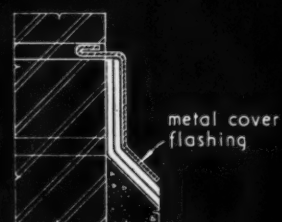
TYPE 4 (12 lb. per sq. yd.).



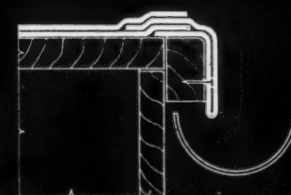
TYPE 5 (8 lb. per sq. yd.).



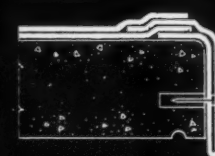
FLASHING: NEW WALL.



FLASHING: EXISTING WALL.



WELTED DRIP: TIMBER ROOF.



WELTED DRIP: CONCRETE ROOF.

16.J1 FLEXIBLE ROOF COVERINGS (BITUMEN)

This Sheet describes bitumen roof coverings which are suitable for both flat and sloping roofs. The drawings show the method of laying to concrete flat and timber sloping roofs, and give details of bitumen flashing, welded drips, and alternative types of construction.

Construction Generally

The construction consists of two or three layers of bitumen roofing laid on the roof deck and bonded to each other with continuous coats of hot bitumen.

The top layer can form the finished roof surface or, alternatively, a covering of stone chippings, coloured mineral surfacing, or macadam can be used.

Applications

Flat roofs: All the types of construction given below are suitable for application to any form of flat roof.

Sloping roofs: Only type 4 is suitable for application to sloping roofs.

Laying

Type 1—self-finished bitumen roofing with surface finish applied in situ: In this type, all layers are of Challenge bitumen roofing. The first layer is bonded to the roof deck with a continuous coat of hot bitumen. The succeeding layer or layers are bonded together in a similar manner; all joints are staggered and all laps 2 in. The top is surfaced with $\frac{1}{2}$ in. to $\frac{3}{4}$ in. stone chippings laid shoulder to shoulder and applied *in situ* with a continuous coating of finishing mastic.

This is the most suitable specification for all types of flat roof.

On timber decks the first layer is nailed.

Type 4—asbestos base bitumen roofing with mineral surfaced cap sheet: The first layer or layers are of saturated asbestos base bitumen roofing and the top layer or cap sheet of mineral surfaced bitumen roofing. The first layer is fixed for approximately 1 ft. 6 in. round the edges of the deck with hot bitumen and the rest of this layer laid loose. The succeeding layer or layers are bonded together with hot bitumen; all joints are staggered and all laps 2 in.

This is the most suitable specification for all sloping roofs giving an attractive decorative finish in natural shades of grey or green.

Type 5—bitumen roofing as applied under special duty finishes e.g. macadam or tiles: The first layer is of saturated asbestos base bitumen roofing and the succeeding layer or layers of Challenge bitumen roofing all bonded together with hot bitumen; all joints are staggered and all laps 2 in.

This specification is used under special duty finishes e.g. macadam, tiles, etc.

On timber decks the first layer is nailed.

D.P.C.'s to Flat Roofs

New parapet walls—Aqualite d.p.c. and cover flashing: Aqualite bitumen damp course cover flashing is laid as shown. It can be turned over sharp edges and will lie permanently in position with no tendency to spring or lift.

Existing parapet walls—metal cover flashing: This is fixed as shown and can be lead, copper, zinc or aluminium.

Installation

The manufacturers maintain depôts for the purpose of covering roofs in any part of the country.

Compiled from information supplied by:

William Briggs & Sons, Ltd.

Head Office: East Camperdown Street, Dundee.

Telephone: Dundee 82211 (10 lines).

Works: Dundee, Arbroath, and Ladybank (Fife).

Offices:

London: Vauxhall Grove, S.W.8.

Telephone: Reliance 2214-5 and 1451-2.

Aberdeen: Bedford Road, Kittybrewster.

Telephone: 591.

Edinburgh: Murrayfield Station, L.M.S. Siding.

Telephone: 61233.

Glasgow: 200, Old Dumbarton Road, C.3.

Telephone: Western 6801-2.

Leicester: L.N.E.R. Station, Belgrave Road.

Telephone: 60306.

Liverpool: Kirkby Trading Estate, Charley Wood Road.

Telephone: Simonswood 3266-7.

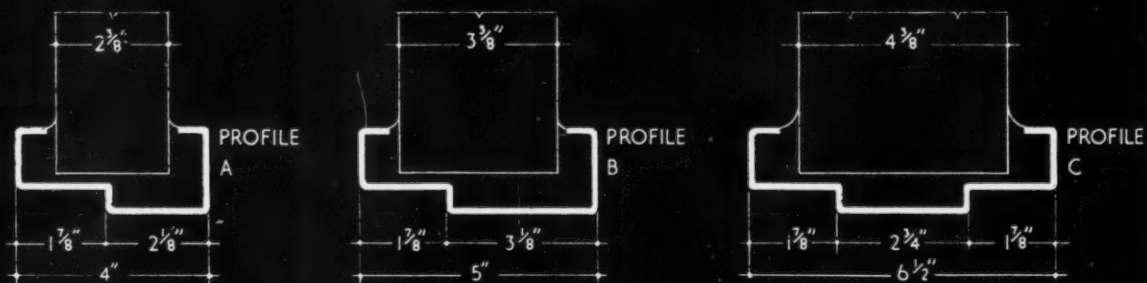
Norwich: Trowse Millgate

Telephone: 26863.

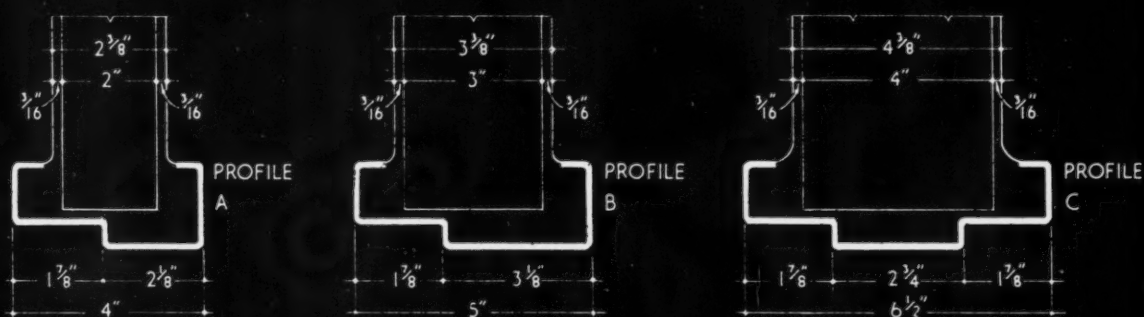
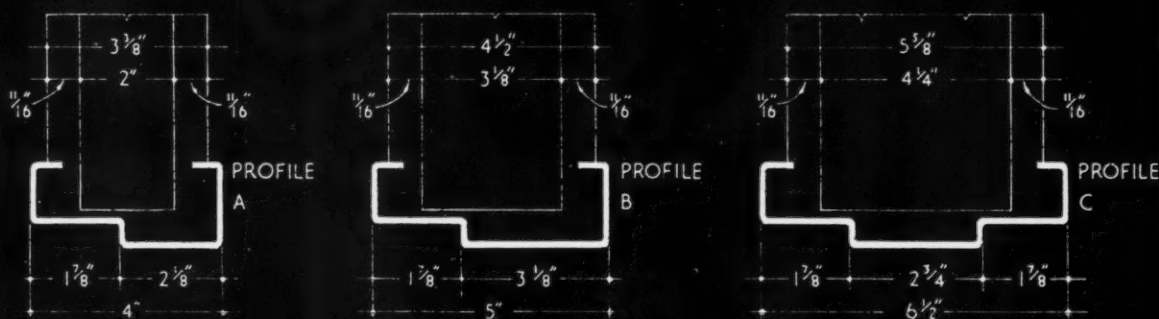
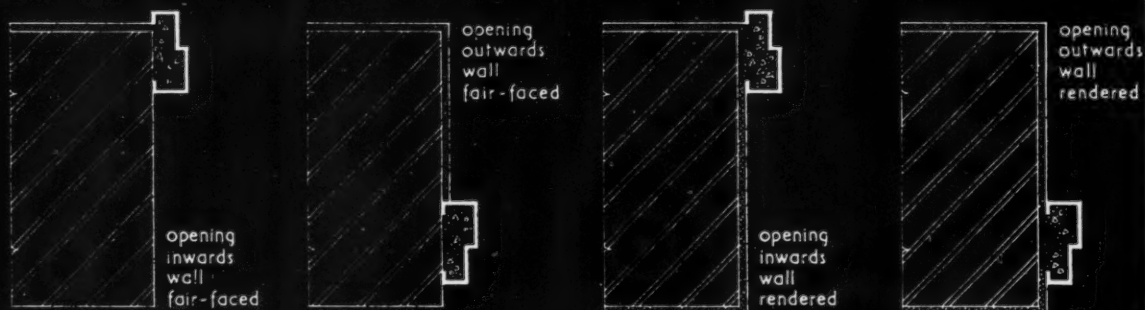
DOOR FRAMES | STEEL | APPLICATIONS

23.C3

The Architects' Journal Library of Information Sheets 112. Editor: Cotterell Butler, A.R.I.B.A.



TO WALLS OR PARTITIONS WITHOUT PLASTER.

● TO WALLS OR PARTITIONS WITH SKIM COAT OF PLASTER $\frac{3}{16}$ " EACH SIDE.TO WALLS OR PARTITIONS WITH PLASTER OR OTHER TREATMENT (EG WALLBOARD) $\frac{1}{16}$ " EACH SIDE.

TO EXTERNAL DOORS.

STANDARD METAL DOOR FRAMES: APPLICATIONS

Compiled from information supplied by the Manufacturers listed on the reverse of this Sheet.

23.C3 STANDARD METAL DOOR FRAMES: APPLICATIONS

This Sheet is the third of a series and deals with the application of internal and external steel door frames to walls and partitions. Details of internal and external door frames are given on Sheets 23.C1 and 23.C2 respectively.

Erection

The frame is strutted and set plumb in position before the wall or partition is begun and is built in as the work proceeds.

The space between the blocks and the back of the frame should be grouted up solid with cement mortar at each course as the work goes on. Care should be taken to see that the frame is not pinched or distorted. The corrugated steel fixing lugs are bedded into the horizontal joints at appropriate levels as shown on Sheets 23.C1 and 23.C2. It is recommended that the lugs on the hinge jamb should be placed as close as possible to the hinges. Plaster is applied to the walls in the normal manner and should be well tamped into the cavity between the door frame flanges and the wall.

Compiled from information supplied by the following manufacturers:

Frederick Braby & Co., Ltd.

Address: Fitzroy Works, 352-364, Euston Road, London, N.W.1.

Telephone: Euston 3456.

Glasgow Office: Petershill Road, Glasgow, N.W.

Telephone: Springburn 5151.

The Crittall Manufacturing Co., Ltd.

Address: Manor Works, Braintree.

Telephone: Braintree 106.

London Office: 210, High Holborn, W.C.1.

Telephone: Holborn 6612.

Hills Patent Glazing Co., Ltd.

Address: Albion Road, West Bromwich, Staffs.

Telephone: West Bromwich 1025.

London Office: 125, High Holborn, W.C.1.

Telephone: Holborn 8005.

Henry Hope & Sons Ltd.

Address: Smethwick, Birmingham

Telephone: Smethwick 0891.

London Office: 17, Berners Street, W.1.

Telephone: Museum 8412.

Morris Singer Company.

Address: Ferry Lane Works, Forest Road, Walthamstow, E.15.

Telephone: Larkswood 1055.

The Rustproof Metal Window Co., Ltd.

Address: Deva Works, Saltney, Chester.

Telephone: Chester 2468, 3100.

London Office: 6, Duke Street, St. James's, S.W.1.

Telephone: Whitehall 4583.

John Thompson Beacon Windows Ltd.

Address: Beacon Works, Ettingshall, Wolverhampton.

Telephone: Bilston 41944.

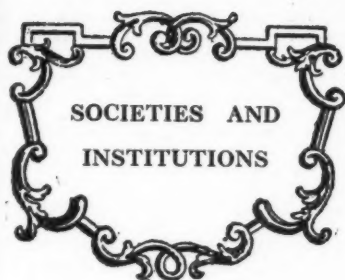
London Office: Imperial House, Kingsway, W.C.2.

Telephone: Temple Bar 3216.

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The Architects' Journal Library of Information Sheets.

Editor: Cotterell Butler, A.R.I.B.A.



Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their initials—see front cover. Lectures cannot usually be reported in full, but the extracts given are in the speaker's own words.

AA

Richard Neutra

October 6. ARCHITECTURE AND EDUCATION. A paper read at a General Meeting of the Architectural Association, at 34-6, Bedford Square, W.C.1. The President of the AA, Mr. R. E. Enthoven, was in the chair.

Richard Neutra: I should like to begin my address on the subject of education in relation to architecture by saying that I have often examined myself very conscientiously and I have come to the conclusion that what I learned when I was a student at a very conventional architectural college has not had much application to what I have done in the last thirty years. In many cases architectural schools are strangely unrelated to the architectural practice of the places in which they are situated, and what I have to say here may have very little application to what you are expecting to do and what you are going to do. This country happens to be a country which is not very similar to California, where I am practising; I practise also in other places, but none of the places where I practise is very similar to England, so I do not know whether you will be able to get much profit from what I have to say. "It is one world" is a slogan which has made an impression in the United States, but I do not think it is correct. It is not one world; it is a world with a great variety of troubles. While we suffer to some extent from our free enterprise system, you have a bureaucracy which is not very acceptable to the architect. All your troubles and ours are very different. I think also that the past, on which architectural schools draw so much, is very different from the present. Architecture is supposed to be a very old profession, but if you go into the matter more carefully you will find that it is not really so.

The free lance architect, for example, is of comparatively recent origin. You are living in a country where architectural

students will have to be prepared for a different sort of career from that of the past. This morning I said some optimistic things about working in future in large and possibly bureaucratically controlled teams, which will avoid your being quite so hopelessly isolated as some of the practitioners of the Victorian age were. There is a great deal of loneliness in the career of a free lance architect. I have always longed for more association with other architects, and I think you will get plenty of that in the future. You will not be soloists; you will have to play in a symphony orchestra.

DESIGN AND ITS REALISATION

I could tell you many things about architectural education and give you a long list of suggestions about it, but I have no idea whether they would in any way interest you or whether they would even apply to the situation here, so I would prefer to touch very briefly on only a few points.

In my own office a great deal of non-orthodox teaching is being done, with disregard for ordinary training and college procedures. Apprentices come to me, and there was a time in England when apprenticeship played an important role. My information is not up to date, and all I know about the English system of apprenticeship I obtained from reading *Martin Chuzzlewit* when I was in high school. I learned from that book that apprentices were not treated very well. The system of apprenticeship, however, has certain advantages, and I believe that it will be necessary for architectural schools and colleges which teach architecture and town planning in a more systematic and methodical manner to consider what an apprentice can learn which usually is not learned in a school but is learned easily in an office, provided that the office is a good one.

I would say that one thing which is learned in an office is that design is not an isolated act but inevitably relates to the act of transferring the design into realization, which calls for team work of many kinds, including, in your case, the work of bureaucratic collaborators. You are not just putting a design out and then doing nothing more. You have to defer to the judgment of other people about permissible densities, and so on. You have to work with contractors and possibly collude with contractors, and you may have to conspire with owners, which is a very difficult thing to do. Therefore it is a psychologically very complicated team of people who are working together. In England you have some appreciation of team work in sports. Again, in the field of music collaboration amongst the players, even though some of them may be soloists, is quite common. But collaboration has been badly lacking in architecture in the post-Victorian age.

I believe that all these things can be learned by an apprentice much better than they can usually be learned in a school, but I believe that a school could try to simulate the conditions in which an apprentice is permitted to overhear certain telephone conversations. One of the things in which you can be instructed by overhearing is the time dimension of every spatial design. You can find out what collaboration has to take place and what amount of time has to elapse before a design is completed and passed. Then you see later on how the various trades are co-ordinated in time and in functioning. Again, in an office practice client and the manager of the project are able to talk to the architect and to the designer, and that is a thing which is extremely valuable for instruction but is hard to imitate in a school.

SCHOOLS AND STUDENTS

The students in the school at Rio de Janeiro have taken the matter into their own hands and have arranged to get experience outside the school. The efficiency of a

school may interfere with the initiative of the student, because the student appears to get at the school everything that he needs. I heard Mr. Gordon Brown appeal this morning to the students here to do something to supplement their studies and he proposed some very interesting things, but I have seen schools which were almost perfect as to their teaching staff and facilities and the originality and ability of the teachers but which caused a degeneration of the students. As an example, I may mention the school at Montevideo University, which has the most progressive physical facilities that I have ever seen in an architectural school. It is a tremendous modern building of modern design. It has outside courts surrounded by pools of water, so that the electric illumination can be reflected in the water when the students perform plays and so forth. It is in a marvelous position, overlooking the Bay of Montevideo. The teaching staff of the University of Montevideo have a tremendous social standing in the community. Every word which a member of the teaching staff of the University says is immediately recorded by some reporter and published under the proper headlines in the newspapers. The standing of the architectural profession there is magnificent and all the facilities are magnificent, but the students to whom I talked were rather timid. They had been, as it were, crushed by the magnificence of their surroundings.

THE SIGNIFICANCE OF ARCHITECTURE TODAY

As I have said, there are certain things which apprentices can learn better than students in a school, and certainly the boys in my office are learning those things. I should be very glad to have all of them here as witnesses! There are, however, various things which I believe an apprentice cannot learn in a normal office, and one of those is to understand, in the broadest sense of the word, the significance of our profession at the present time. It will not be possible for the architects of the future to be isolationists or to have some sort of provincial or even metropolitan outlook on the world and on the rôle of designing physical environment. I believe that something very much more will be necessary.

I have been talking with Mr. Maxwell Fry today and he has reinforced my feeling that the British have a cultural mission which they should not lose sight of. Architecture is not merely a replacement job in Suffolk or in Kent. It is a world issue, and I think that the British during the hopeful period of the Victorian age contributed a great deal to the actual spreading of this technological civilisation of ours, which does not spread as it should. In the middle of the nineteenth century people were very hopeful and optimistic about this sort of thing. It looked as if the white man really had a certain burden and it was being spread very easily over all kinds of people in the colonial areas, and so on, but it has not worked out. When the technological civilisation of the eastern States spread to California in 1840 it worked at a remarkable speed compared with what is happening in comparable countries such as the Gold Coast and Brazil, which is a country that you have been taught to admire. Brazil happens to be a country which is about 15 or 20 per cent. larger than the United States, and there is no spread of technological civilisation there.

I would say that it is very difficult to get a proper picture of the whole matter when just staying in an office, and I believe that it will be necessary for the architect of the future to be non-isolationist, non-provincial, non-metropolitan, and, in fact, very cosmopolitan. It is not of such importance to design a shoe store on the corner of Fifth Avenue when there is already a shoe store on the opposite corner, as it is to design much simpler stores in areas where shoe stores are needed.

**INFORMATION CENTRE • INFORMATION SHEETS
QUESTIONS AND ANSWERS • CURRENT TECHNIQUE
THE INDUSTRY • PRICES • TECHNICAL ARTICLES**

TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed on one side of the paper only, to allow readers to cut out the stems for filing and paste them up in classified order. Headings below.

INFORMATION CENTRE

1 SOCIOLOGY. 2 PLANNING: General. 3 PLANNING: Regional and National. 4 PLANNING: Urban and Rural. 5 PLANNING: Public Utilities. 6 PLANNING: Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN: General. 10 DESIGN: Building Types. 11 MATERIALS: General. 12 MATERIALS: Metal. 13 MATERIALS: Timber. 14 MATERIALS: Concrete. 15 MATERIALS: Applied Finishes, Treatments. 16 MATERIALS: Miscellaneous. 17 CONSTRUCTION: General. 18 CONSTRUCTION: Theory. 19 CONSTRUCTION: Details. 20 CONSTRUCTION: Complete Structures. 21 CONSTRUCTION: Miscellaneous. 22 SOUND INSULATION, ACOUSTICS. 23 HEATING, VENTILATION. 24 LIGHTING. 25 WATER SUPPLY, SANITATION. 26 SERVICES, EQUIPMENT: Miscellaneous. 27 FURNITURE, FITTINGS. 28 MISCELLANEOUS.

2.58 planning: general

1947 ACT: BUILDING PRESERVATION

The Town and Country Planning (Building Preservation Order) Regulations, 1948. Statutory Instruments, 1948, No. 1766, made July 28, 1948. Ministry of Town and Country Planning. (HMSO, 1948, 2d.)

Regulations dealing with form of building preservation orders made under Section 29 of Town and Country Planning Act, 1947.

Building preservation orders concern buildings which shall not, without the consent of a local planning authority, be demolished, or altered or extended by certain specified works. The regulations prescribe form and procedure to be adopted when making such orders.

7.14 practice

AMERICAN PRACTICE

Architectural Practice: Clinton H. Cowgill and Ben John Small. (Reinhold Publishing Corporation, New York (USA.); Chapman & Hall, London. 1948. 72s.)

This is an exhaustive treatise on architectural practice as carried on in America. Every phase of an architect's activities are traversed, from the time of the appearance of the client to the time of final payment for the completed building. 390 pp.

Not the least interesting part of the book is that relating to architects' fees. In addition to the percentage method on the cost of the building, fees may be arranged on office costs plus a fixed fee, on office costs plus an agreed percentage addition, on office costs plus a salary, or an agreed lump sum for the whole of the architect's services. Where the percentage method on the cost of the building is adopted it is fixed according to the type of building and ranges from

6 per cent. to 10 per cent. with 15 per cent. for furniture and fittings.

The organisation and administration of the American architect's office is carried out on strict business lines, the accounting side being very detailed. There are standard forms of agreement between client and architect suitable for the methods of payment above referred to and the agreements provide that the client shall give the architect an accurate survey of the site with grades and lines of streets, contours, rights, restrictions, easements, sewers, gas and electric services.

Drawings and other documents are the property of the client which accords with English law, and the liability for lack of "reasonable care and skill" and for faulty design is similar to that prevailing in this country. It is stated by the authors that many American architects pay for losses for which they are liable before they are asked to do so, and such a practice appears to pay large returns in goodwill.

The right to use the title "Architect" is controlled by all but a few of the States of America, and the penalty for infringement is a fine or imprisonment or both. The justification for such control is the protection of the public.

The standards of professional practice as laid down by the American Institute of Architects are as high as those of the RIBA, and particularly prohibit offers of service without compensation or the submission of free sketches except to an established client. Neither must the architect guarantee any estimate of the cost of construction and he must avoid exaggerated, misleading or paid publicity.

The authors have produced a volume which will be invaluable to students and also as a reference book for the architect in practice.

15.38 materials: applied finishes and treatments

RUBBER FLOORING

Rubber Flooring. (Tentative) Draft BS C. of P. 203.104:1948. (British Standards Institution, 2s.)

Information under usual code headings, dealing with the properties of the materials and the preparation of the sub-floor, methods of fixing, maintenance, testing, etc.

15.39 materials: applied finishes and treatments

CORK TILE FLOORING

Cork Tile Flooring. Draft BS C. of P. 203.102:1948. (British Standards Institution, 2s.)

Information on properties of cork tiles, requirements for sub-floors, methods of laying, maintenance, and inspection of work.

It is regrettable that in so many of the codes issued in their present form there should be so much waste material. There are clearly two reasons for this: one, the fact that the clause headings are standard and matter is included under each heading whether it is pertinent or not; and two, the fear that anything at all controversial shall be included.

Thus we are informed under "Exchange of Information," as if it were something peculiar to cork tile laying, that the building designer "should also ensure consulta-

tions and interchange of information between all parties concerned at a sufficiently early date to enable them to co-operate in producing conditions suitable for the efficient carrying out of their work."

And as regards drawings, that they "should be to a scale normally not less than $\frac{1}{4}$ in. to 1 ft., should be fully dimensioned and show clearly the area of floor to be covered." This sounds like a standard phrase. Surely it is of special importance that the pattern should be indicated, the size and shape of skirtings and "specials" and the junction of the cork flooring with other materials.

Under "Time Schedule".... The time schedule for the whole of the building should be planned in the initial stages before operations are begun.... An admonition which is easier to give than to put into practice, and which is more annoying than helpful in a code on cork tile flooring.

Clauses 203, 204 and 205 give us an apparently accurate definition of the type of screed which should be used, but we are then advised that "a nailable screed as often provided by the cork-tile-layer is, however, recommended." A very doubtful recommendation unless it be qualified by some indication of the nature of the screed.

In clause 103 (1) we are told that, in providing information to those concerned with carrying out the work, consideration should be given to the "general design of the floor, the size and thickness of the tiles in relation to such fundamental requirements as durability, fire resistance, sound and thermal insulation and also appearance." These are matters of design and not of "exchange of information." Furthermore, in clause 305 we are told that the use of cork tiles "entails no increase in the fire hazard."

The instrument for testing for dryness of floors and walls which is described in the appendix to the code should be made commercially and become part of every architect's equipment.

16.35 materials: miscellaneous

SAND-LIME BRICKS

Sand-Lime Bricks. National Building Studies Special Report No. 3. (HMSO. 1s. 3d.)

Authoritative information on the manufacture and properties of sand-lime bricks, with assessment of their suitability for different uses. Appendices describing method of testing. Bibliography p. 58, diagrams and illustrations.

To the manufacturer the whole of the document will be of much value; to the architect, the remarks on use (pp. 43-45) will be of immediate interest, whilst the section on properties will give all the information necessary to ensure suitable design and appropriate specification of allied trades.

The frontispiece is a photograph of relief carving in sand-lime brick on the Royal Society Mond Laboratory at Cambridge, and well illustrates one of the particular uses for which sand-limes may be chosen.

Since sand-lime bricks are a popular building material, and since there is much confusion as to their characteristics and limitations, this document is one which architects should possess despite the fact that a large part of it is in the nature of a record of scientific investigation.

18.18 construction: theory

BLOCK LAYING

A Work Study in Blocklaying. National Building Studies. Technical Paper No. 1. (HMSO. 1s. 6d.)

Technical record of investigation of the effect on the speed of building of using blocks and bricks of different dimensions and heights. Tests carried out by the Build-



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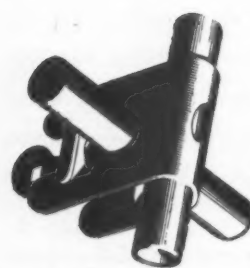
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P.4



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ing Research Station during the building of twenty experimental houses at Abbots Langley.

Outstanding results of the investigation showed that it took about four times as long to lay an equivalent volume of brickwork as of large concrete blocks; and that, for a one man lift, little saving in time can result from further increase in block size beyond a twelve brick equivalent.

On the other hand, the present high cost of concrete blocks more than offsets any saving in labour costs in most cases, but it is suggested that this might be otherwise if concrete blocks were manufactured in quantities comparable with the products of the larger brick organisations.

In terms of the country's economy, and of the national house and school building programme, these results are clearly most important; and wherever building on a scale large enough to influence manufacturing methods is undertaken, they should be forcefully advanced.

19.48 construction: details FOUNDATIONS

Post-Hole Borer. (The Electrical Review, August 27, 1948.)

Brief description of mechanical post-hole borer. Intended for erection of poles for overhead power lines, it might well be considered for use for short-bore piles which are beginning to gain popularity as foundations to light buildings.

20.96 construction: complete structures SHELL CONCRETE

A Factory at Dagenham, Essex. Edward D. Mills. (THE ARCHITECTS' JOURNAL, August 26, 1948, pp. 203-5, and other journals.)

144 ft. long, 64 ft. wide, barrel vault roof. 2½-in. shell spanning 36 ft. between rigid frames and solid gable walls. Tapered frames projecting outwards and cantilevered staircase form interesting architectural features.

23.78 heating and ventilation

TESTING UNIT HEATERS

Standard Code for Testing and Rating Unit Heaters using H. Water up to 200° F. Flow Temperature. (Unit Heater Manufacturers Association, 23, Queen Square, London. June, 1948. 3s. 6d.)

Uniform testing and rating method limited to unit heaters using hot water with flow temperatures not exceeding 200° F. A standard code for heaters using steam was published in 1946.

23.79 heating and ventilation

HEATING AND DRYING OF CROPS

Heat for Agriculture and Horticulture. (HMSO, 1948. 9d.)

Extract from proceedings of conference, October, 1948. Fuel economy in glass-houses. Grain dryers. Grass and herb drying. Hop drying. Dairying and fuel economy. Electric heat for agriculture and horticulture. Use of artificial rain.

23.80 heating and ventilation

COMFORT IN HOT CLIMATES

Climate and House Design. J. W. Drysdale. (Duplicated Document No. 25. Commonwealth Experimental Building Station, Sydney. March, 1948. 1s.)

Attempt to find better comfort scale for hot climatic conditions. Useful record of experimental work aimed at giving guide to merits of various forms of construction for

houses. Of specialist interest but to be noted by those engaged on building in hot climates.

26.33 services and equipment: miscellaneous

SWIMMING BATH PURIFICATION

Ozone Treatment for Swimming Baths. Modern Electrical Methods at Coatbridge. David Brownlie. (Municipal Journal. September 10, 1948. p. 1813.)

Description of modern ozone purification plant said to be very successful.

26.34 services and equipment: miscellaneous CLOCKS

Impulse Clock and Timing Systems. Draft B.S. C. of P. 327.403. 1948. (British Standards Institution. 2s.)

Principal types of appliance described and uses explained. Layout of system, location of apparatus and wiring systems. Space requirements. Appendix on "Segregation of Circuits."

26.35 services and equipment: miscellaneous

TELEPHONES AND TELEGRAPHS

Telephones and Telegraphs Public Services. Draft B.S. C. of P. 327.101. (British Standards Institution. 1948. 5s.)

Chiefly a description of the many types of installation with circuits and sizes, together with advice on installation.

The installation of telephones and telegraphs is a specialist matter, but the description of the services which can be provided is useful general knowledge for architects.

26.36 services and equipment: miscellaneous

PIPE DUCTS

Design and Construction of Pipe Ducts. Draft BS C. of P. 304.105:1948. (British Standards Institution. 3s.)

General considerations. Table of overall sizes of cast-iron pipes and asbestos-cement pipes. Table giving possible proximity of different services. Diagrams of typical ducts.

Although some of the tables and diagrams in this draft code are useful, they are in some cases only a repetition of information already included in BS 1043:1942 which deals with the wider scope of the provision of engineering and utility services in buildings. The present publication is open to criticism in its very optimistic statement that in regard to sound insulation no special recommendations for locating ducts are necessary if the pipes are well designed. Also in Section 303 one sentence says: All water piping should be lagged; while a few sentences later it is stated that where good protection against frost is not obtained by the siting of the pipes they should be insulated. This is too vague to be admissible in a code of practice. The diagrams of the pipe ducts are useful, and tables of overall sizes of pipes and fittings remind one that allowance in duct size must be ample to take these dimensions and not merely the pipe itself.

26.37 services and equipment: miscellaneous

FIRE EXTINGUISHERS

Portable Fire Extinguishers of the Water Type (Soda Acid). B.S. 138: 1948. *Portable Fire Extinguishers of the Foam Type.* B.S. 740: Part 1: 1948. *Portable Fire Extinguishers of the Water Type (Gas Pressure).* B.S. 1382: 1948. (British Standards Institution, 2s. 6d. each.)

Revisions to earlier Standards to provide for welded construction. A grouping of these three specifications into one document would be useful.

This feature answers any question connected with building confidentially and free of charge. Questions to the Technical Editor, The Architects' Journal, 9, 11 and 13, Queen Anne's Gate, S.W.1.

QUESTIONS AND ANSWERS

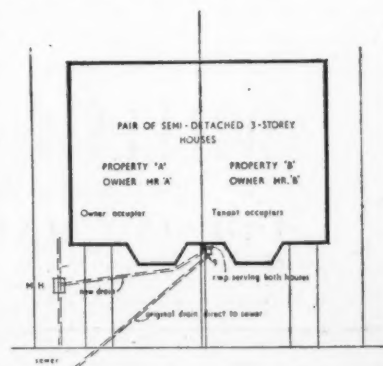
2964 SHARED DRAIN REPAIRS

Q I shall be glad to receive any guidance or information you are able to give me regarding the following problem, in connection with which I am anxious to ascertain whether a proportion of the costs of certain drainage work can be charged to an adjoining owner.

I am interested in property A—see plan. The tenant of property B complained of the evidence of rats and the local sanitary inspector in the course of his duties instructed that a drain taking the water from a shared rain water pipe which had a direct connection with a sewer, should be stopped off and a new drain be provided connected properly to an existing manhole.

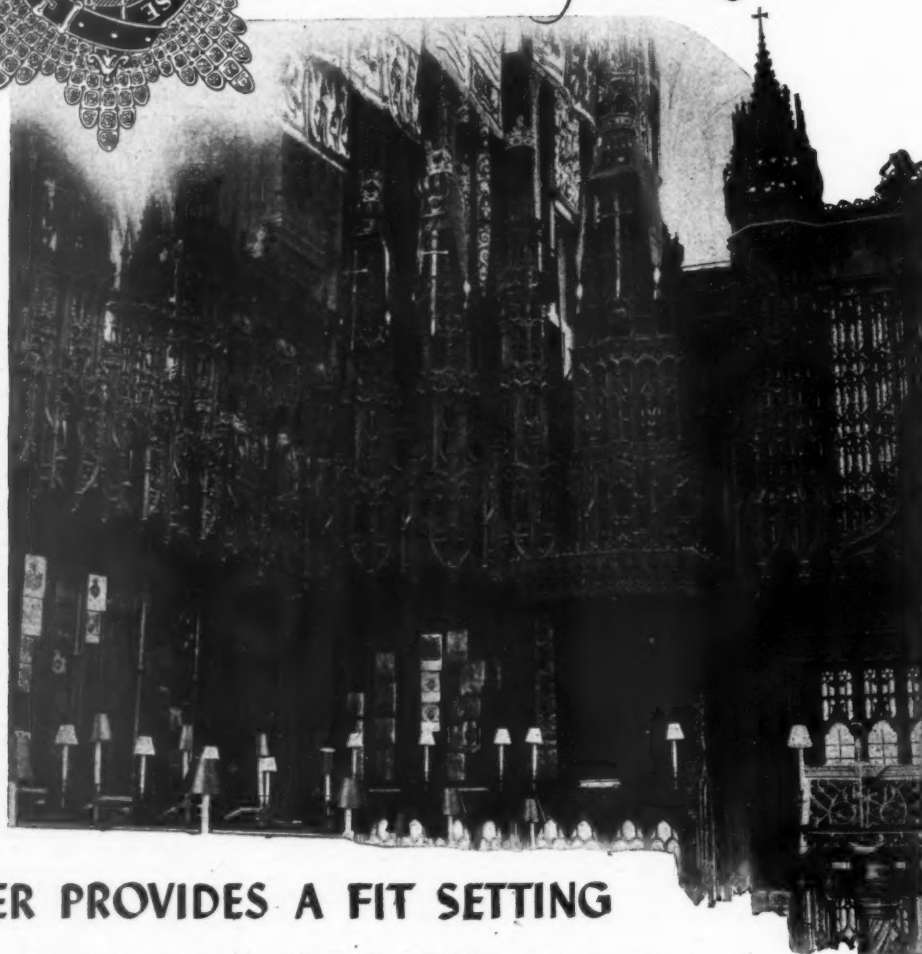
Owner Mr. B (a property investment company) instructed his builder to commence work. After discovering that the old drain ran across Mr. A's property the latter preferred his builder to continue with the work. About £10 worth of work had then been executed. Mr. A's builder then completed the job at a cost of £70. No arrangement has yet been made regarding the sharing of costs, each owner at present feeling that he is responsible for his own costs. Although, I believe, an adjoining owner has right of entry on to another property to repair a drain carrying his water, this is a case of a R.W.P., shared by two owners, crossing one owner's land. Should they not share equally the total costs of the work carried out? The R.W.P. is shared equally by the two properties and is centrally placed; the gully is on Mr. B's land and the drain crosses Mr. A's land. The deeds are not readily available.

A The liability for the laying of the new drain may be regulated by the deeds of the respective properties. If the drain is a combined drain laid under the provisions of the Public Health Act, 1936, then the local authority has power to apportion the cost of the work as between the owners. If neither of these conditions apply it may then be that as the drain takes the rain water from both houses that the repair or relaying would be the joint responsibility of the owners of the houses. However, a conclusive opinion could only be given when the full facts are known.





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THE INDUSTRY

WALL PLUGS IN PLASTICS

For many years the fibrous wall plug has held the field almost unopposed, except for one or two types made in other materials. In the new plastic plug, known as the Hewit, the sides of the plug are fluted, as shown in the illustration, so that it is compressible, and can be pushed into a closely fitting hole, after which the screw expands the plug in the usual way.

Holding power is excellent, and the plugs can be used with all the usual materials. They are unaffected by water or acids, and a further advantage is that they can be cut with a reasonably sharp knife, whereas fibre plugs all too often collapse. The plugs are made to suit screws from size 6 to size 20, and in lengths from $\frac{1}{2}$ in. to 2 in. (*Hewit Wall Plugs Limited, 60, Fenchurch Street, London, E.C.3.*)

BOILER CONTROL

Nearly all the current propaganda about fuel efficiency stresses the need for conserving national fuel resources, and with coal output at its present level, this is obviously quite essential. But, as all intelligent fuel users know, capital laid out to improve efficiency will nearly always pay for itself in a few years.

In an attempt to ensure that fuel is properly used, the London and Counties Coke Association have just issued a booklet dealing with the thermostatic control of coke-fired boilers for central heating and domestic hot water supply. The booklet points out that the pre-war domestic fuel consumption of 53 million tons has been cut by the domestic rationing scheme to 38 million, and there is thus an immediate and powerful incentive for the installation of thermostats or any other fuel saving devices. Even with the smallest boilers there is no reason why some sort of automatic control should not be provided. Several modern types have a bi-metal strip controlling the air supply to the fire and this type can often be applied to existing boilers.

The booklet starts off with a consideration of the three basic heating schemes, hot water, space heating, or the two combined, and discusses typical control methods. Thereafter the control units themselves are considered. These controls fall into four classes:—

1. Self-acting;
2. Electrically operated;
3. Hydraulically operated;
4. Pneumatically operated.

By far the larger number of controls installed on coke-fired boilers used for central heating and domestic hot water supply service fall into the first two groups. Groups 3 and 4 are on the whole beyond the scope of the booklet, since they normally involve the use of pumps or compressors and are

therefore only applied to large boiler plants. There are, however, certain electro-hydraulic and low pressure hydraulic controls suitable for coke-fired boiler plant which are mentioned in the text. There are many makes of self-acting control for different applications and a number of them are described and illustrated.

The power developed by self-acting controls, however, is not large. For this reason their use is confined, in the main, to smaller control systems where light dampers or small valves are installed. A further restriction in the application of self-acting controls, is that the temperature-sensitive portion of the unit is always either inbuilt or comparatively close to the actuating mechanism. This feature renders self-acting controls unsuitable for many applications on larger plants.

The main advantage of self-acting controls lies in the fact that they are entirely independent of any outside source of power supply. They do not, as a rule, respond so quickly to temperature variation as electrically operated controls and, in consequence, cannot provide such accurate temperature control.

Electrically operated controls are given a good deal of space, and the various types of electrically and magnetically operated valve and damper controls are described, with notes on the various types of room, immersion and external thermostats now on the market. The last section of the booklet contains typical diagrammatic layouts of various types of control system, and there is also a list of the manufactures of the various items of equipment.

Enough information is given for a reasoned choice of control system to be made, but the whole subject is fairly complex, and almost every installation has problems of its own. It is recommended, therefore, that any scheme should be discussed with a specialist, and the technical staff of the London & Counties Coke Association, who naturally have a wide experience of heating problems, are always prepared to answer questions and give advice. This is an excellent and informative booklet, well worth the effort which must have gone into its production. (*The London and Counties Coke Association, 1, Grosvenor Place, London, S.W.1.*)

SUNDEALA

In these days when everything from the atomic bomb to the jet engine is supposed to have originated in America, it is something of a relief to find that wallboard production didn't start over there in about 1915, but at Sunbury-on-Thames in 1898 with the formation of the Patent Impermeable Millboard Co. (now P.I.M.), although the parent

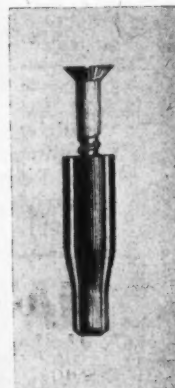
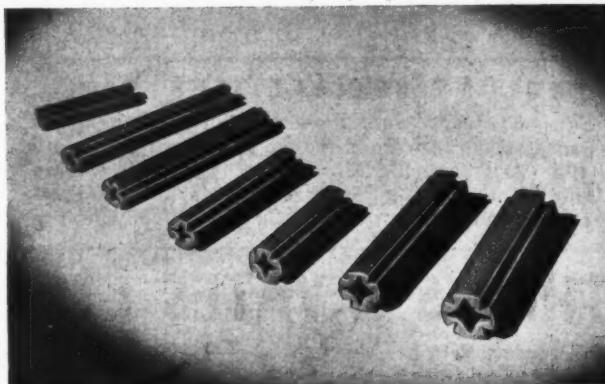
company had been making the millboard backing for Lincrusta-Walton as far back as 1882, and until 1908, when they set up their own mill in New Jersey, actually exported large quantities of board to the USA. Celebrating their jubilee, P.I.M. have issued a cheerful booklet illustrating past and present uses of the various grades of Sundeala board, including the various insulating, flameproof and ant-proof grades for tropical work. Also included is a delightful reprint of a 4-page article which originally appeared in *Harmsworth's London Magazine* of 1901 which is well worth reading and looking at if only as an example of the enterprising make-up of the typical popular magazine of the period. (*The P.I.M. Board Co. Ltd., Sunbury-on-Thames.*)

INFORMATION ABOUT PLASTICS

De La Rue Insulation have just started an information service to deal with the various applications and methods of fabrication of their various laminated plastics. This is the latest activity of the Design Section, which was set up after the war to assist architects, designers, builders, shop fitters, furniture makers, bar fitters, transport undertakings, hospitals, stores, etc., on any problems related to the use of Formica and other laminated plastics. Since its inception it has dealt with enquiries at a rate of nearly 100 a month. (*De La Rue Insulation Ltd., 88, Regent Street, London, W.1.*)

THAWING FROZEN PIPES

The thawing out of frozen pipes is always a long job, and the use of a blowlamp can be damaging to decorations. Messrs. Runbaken have now produced an electric thawing device which can be operated from any normal AC mains supply. The equipment consists of a transformer which reduces the house supply to a pressure of about 12 volts, and increases the amperage to about 200. Two 40 ft. lengths of heavy cable and universal clips apply this current to the frozen pipes, which are heated a few degrees, the resultant expansion breaking the seal between the ice and the wall of the pipe. The advantage of this method is that it is not necessary to locate the actual position of the freeze-up, as the connections can be made to the incoming cold supply and the frozen draw-off tap, the whole of the pipework between these two points being warmed. Since almost every winter now brings its freeze-up, it is interesting to know that the inevitable pipe thawing can now be carried out with little trouble. (*Runbaken Ltd., 71, Oxford Road, Manchester.*)



The Hewit plastic wall plug has fluted sides so that it can be compressed and pushed into a closely fitting hole, after which the screw expands the plug in the usual way.

The form printed below is to assist readers requiring up-to-date information on building products and services. Complete and post it to *The Architects' Journal*, 9, 11 and 13, Queen Anne's Gate, S.W.1, and the advertisers listed will be asked to supply information direct.

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Announcements

Mr. T. Ruddiman Wood, A.R.I.B.A., DIP.ARCH., has relinquished his appointment with the Ministry of Health, Newcastle, on being appointed architect to the South East Metropolitan Regional Hospital Board. He has now taken up his duties at 27, Queen Anne Street, W.1, and would be pleased to receive all trade catalogues in connection with hospital construction and maintenance.

At the autumn meeting of the Building and Allied Trades Golfing Association, held at the Berkshire Club recently, the Builder Trophy was won by Mr. M. A. Carter with a net score of 69. Mr. C. Dibble (72) was winner of the scratch prize, and Mr. A. J. Stephens and Major E. L. Land won the Greensomes competition (6 up). At the annual general meeting, Mr. Mathew Tait was unanimously re-elected Captain of the Association, and the Committee, Messrs. S. C. E. Jackson, S. Stanley Griffiths, V. V. Tatlock and H. Dyke, were re-elected *en bloc*. It was agreed that the spring meeting would be held at the Moor Park G.C. in May, 1949.

The annual Pilkington Travelling Scholarship in Architecture for architectural students in Canada, awarded by Pilkington Brothers (Canada) Limited, has been won this year by Mr. Kiyoshi Izumi of Vancouver, B.C. He took his degree as Bachelor of Architecture at the School of Architecture and Fine Arts, University of Manitoba, and is now at the Architectural Association in London.

Mr. Alexander Gibson, A.R.I.B.A., until recently in private practice at 4, Downshire Hill, Hampstead, N.W.3, has joined the staff of Design Research Unit, 37, Park Street, London, W.1 (Telephone: Mayfair 9255), from which address he will also continue to carry on his own work.

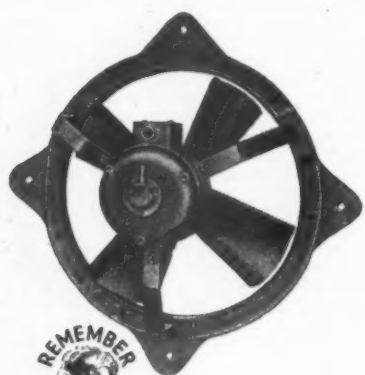
Buildings Illustrated

Exhibition Train (pages 377-380). Architect: Arthur C. Braven, A.R.I.B.A., F.R.S.A. Architectural Assistants: D. F. Tandy, G. I. Holmes, R. W. Reeve. Consulting Architect: Derek Bridgewater, F.R.I.B.A. Consulting Acoustic and Ventilating Engineer: C. W. Glover, M.I.STRUCT.E., F.I.A.A.S. General Contractors and Constructors: A. Davies & Co. Ltd. Sub-Contractors: Hot water models, Cockade, Ltd.; Formica panels, De La Rue Insulation, Ltd.; carpets, Druce & Co. Ltd. (in association with T. F. Firth & Sons, Ltd.); furnishings, Heal & Son, Ltd.; film projection arrangements, Sound Services, Ltd.; furniture, Dunn's, of Bromley; cinema seating, Cox & Co. Ltd.; Dunlopillo seating, Dunlop Rubber Co. Ltd.; leather for seats, Connolly Bros. Ltd.; vacuum cleaners, Hoover, Ltd.; Telematic telephones, Telephone Rentals, Ltd.; electrical installation, Acorn Electrical Co. Ltd.; electric clocks, Smith's English Clocks, Ltd.; ventilation and acoustic systems, C. B. Jackson & Co. Ltd.; curtain printing, Belfast Silk & Rayon, Ltd.

House at Sonning, Berks (pages 331-332). Architect: The Architects' Co-operative Partnership. General Contractor: Sydney Paddick & Son. Sub-contractors: Heating, P. J. Drew & Son; windows and cupboard fittings, William Ryder & Sons; facing bricks, Uxbridge Brick Co.; sanitary fittings, Shanks & Co. Ltd.; door and window furniture, Messrs. Joynes.

Correction

On the Letters page (307) of our issue for September 30 Mr. Robert Turner was described as a Fellow of the RIBA. This is incorrect. Mr. Turner is a student of the RIBA.



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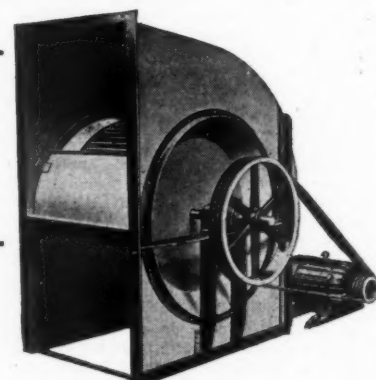
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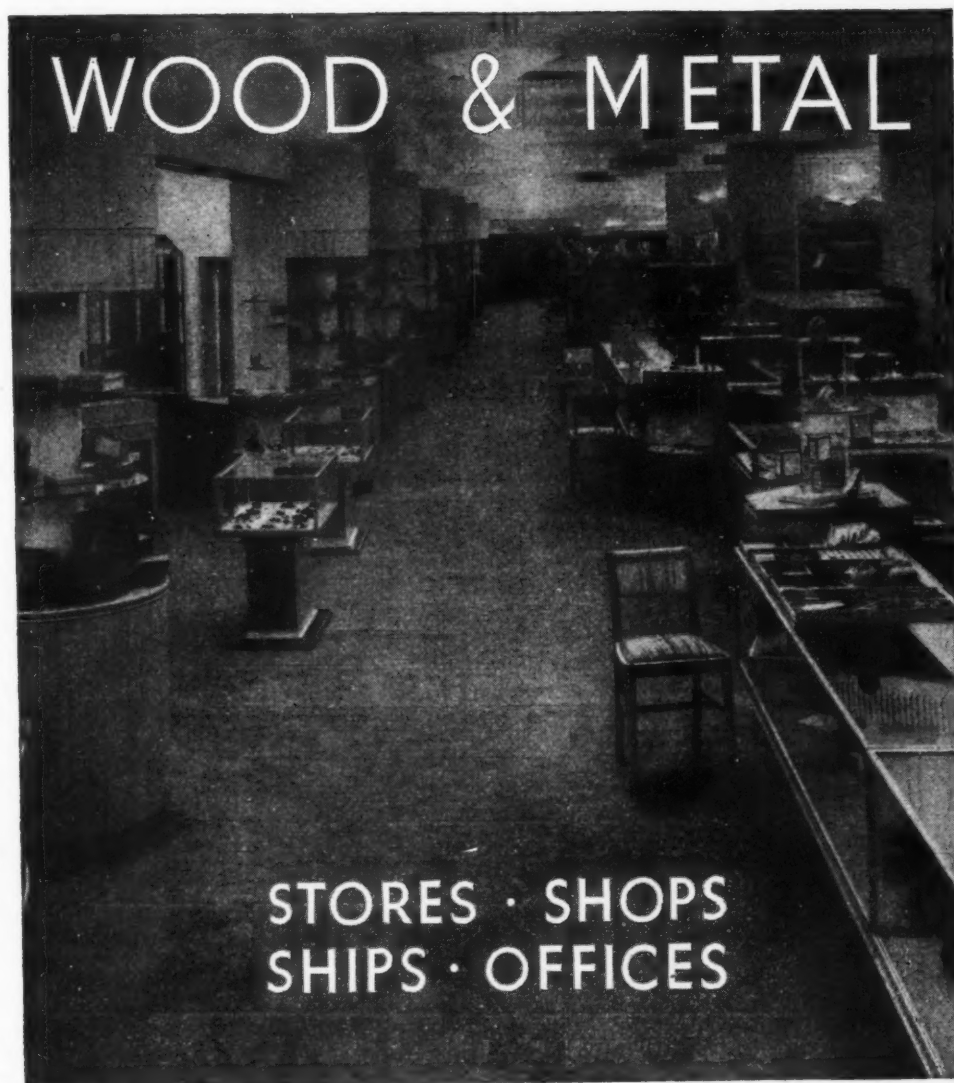
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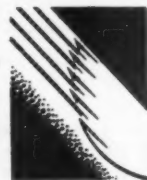
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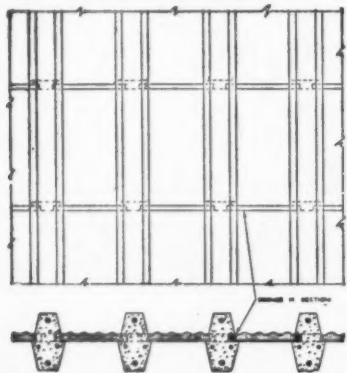
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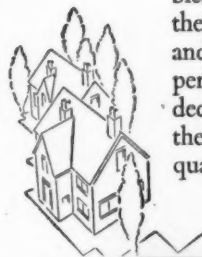
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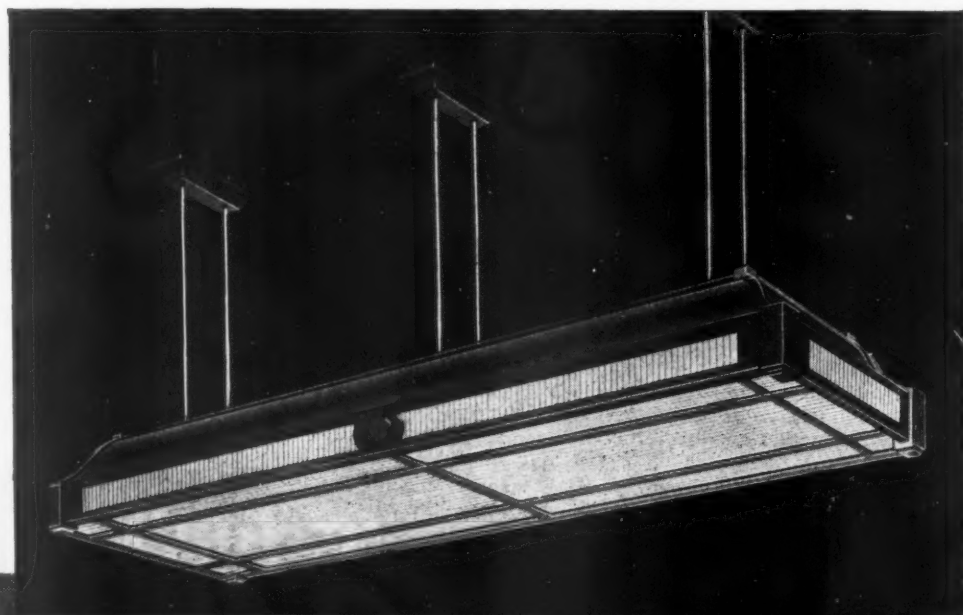
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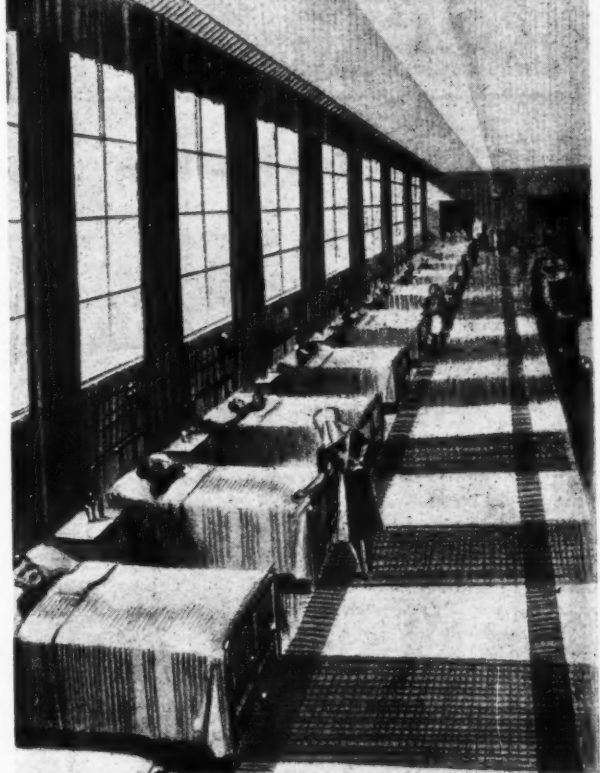
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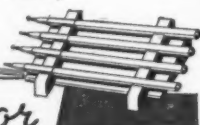
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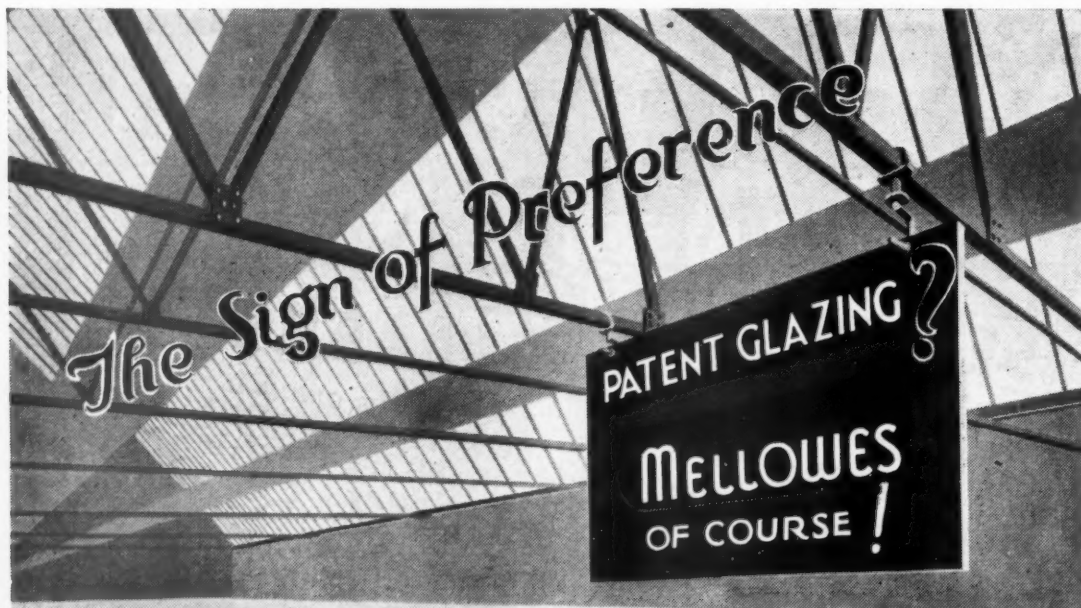
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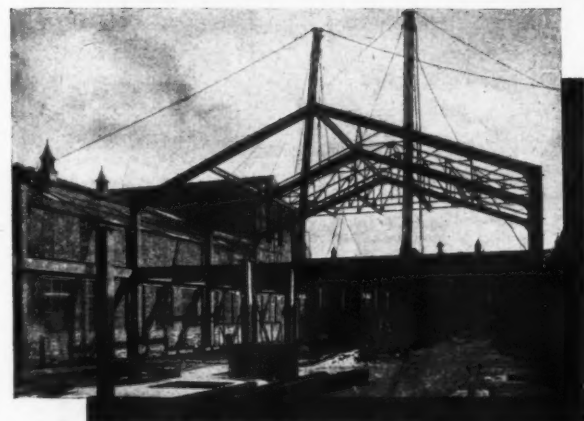
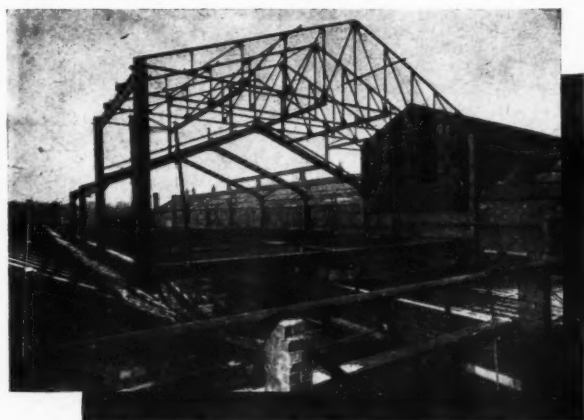
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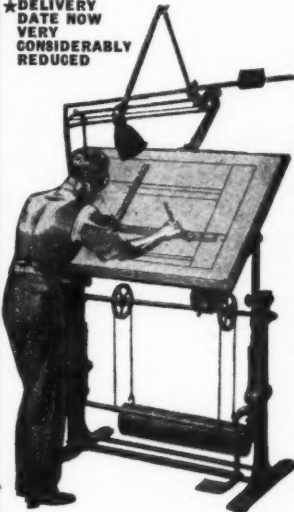
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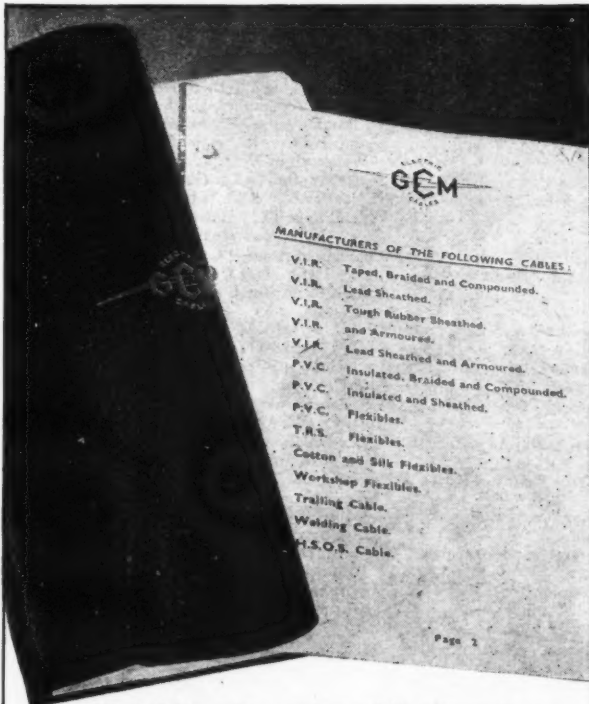
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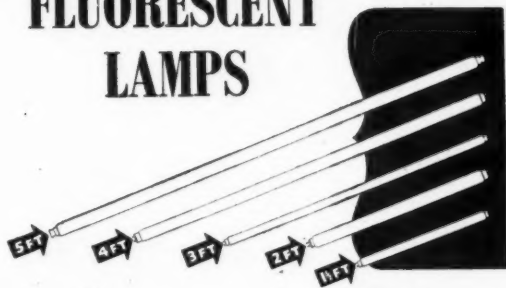
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Announcement...

From September 1st Mazda Fluorescent Lamps (MCF/U) in the following sizes will be available in "Natural" colour.

LENGTH	WATTS	DIAM.	CAP.	LIST PRICE	PUR. TAX	TOTAL
* 5 ft.	80	1 1/2"	BC	15/6	4/0	19/6
* 4 ft.	40	1 1/2"	Bi-Pin	14/0	3/8	17/8
† 2 ft.	40	1 1/2"	Bi-Pin	13/0	3/5	16/5
† 2 ft.	20	1 1/2"	Bi-Pin	12/6	3/3	15/9

* Can also be supplied in "Daylight" and "Warm-White" at above prices.
† Can also be supplied in "Warm-White" at above prices.

From October 1st the undermentioned sizes in "Natural" and "Warm-White" colours become available.

LENGTH	WATTS	DIAM.	CAP.	LIST PRICE	PUR. TAX	TOTAL
3 ft.	30	1"	Bi-Pin	13/0	3/5	16/5
1 1/2 ft.	15	1"	Bi-Pin	11/6	3/0	14/6

A wide range of fittings for the 5 ft., 4 ft. and 2 ft. Mazda Fluorescent Lamps is available. Details of an attractive series of fittings for use with the 3 ft. and 1 1/2 ft. lamps will be announced later.

BTH LIGHTING ADVISORY SERVICE: Lighting Engineers attached to the above will be pleased to advise on the application of fluorescent lamps and to solve any lighting problems submitted to them. BTH Lighting Advisory Service, Bridle Path, Watford. Phone Watford 7701/8.

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Burroughs, Wellcome & Co., London.
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Cafe Royal, Regent Street, London.
Calico Printers Association Ltd., Manchester and Branches.
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Co-operative Wholesale Society Ltd., Manchester and Branches.
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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.

None of the vacancies in these columns relates to a man between the age of 18 and 50, inclusive, or a woman between the age of 18 and 40, inclusive, unless he or she is excepted from the provisions of the Control of Employment Order, 1947, or the vacancy is for employment excepted from the provisions of that Order.

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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, WHEN PARK, WHYTELAVE. Tel.: Uplands 9335. 991

LONDON COUNTY COUNCIL.

HOUSING AND VALUATION DEPARTMENT. ARCHITECTURAL ASSISTANTS. Applications are invited for positions of Architectural Assistant, at salaries of up to £580 a year. Commencing salaries will be determined according to qualifications and experience, and qualified candidates will be eligible for appointment to the permanent staff of the Department on the occurrence of vacancies. Engagement will involve Superannuation contributions at the rate of 6 per cent. of salary.

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.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed foolscap envelope required). Canvassing disqualifies. (770). 1032

ROTHWELL URBAN DISTRICT COUNCIL.

APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of temporary Architectural Assistant, in A.P.T. Grade II, of the National Scale of Salaries (£420 x £15-£465). Preference will be given to applicants who have had practical experience in housing and general architectural work, and who are at present studying for the qualifying examinations of the Royal Institute of British Architects.

Applications, stating age, present and previous appointments, qualifications, and experience, together with copies of three recent testimonials, must reach the undersigned not later than Tuesday, 2nd November, 1948.

A. T. S. ROBERTSON, Clerk of the Council.
Civic Buildings, Rothwell, near Leeds.
5th October, 1948. 501

EAST SUSSEX COUNTY COUNCIL.

Applications are invited from qualified persons, who must be Fellows or Associates of the R.I.B.A., for the whole-time appointment of COUNTY ARCHITECT, at a salary of £1,400 per annum, rising by annual increments of £50 to £1,600 per annum. Travelling and subsistence allowances will be payable in accordance with the Council's rules.

The person appointed will be responsible for all the Council's architectural work, including education, police, fire and health services, together with the upkeep and maintenance of county-owned properties, and must be experienced in the administration of an Architect's Department.

The appointment will be terminable by three months' notice in writing on either side, and will be superannuable. A candidate to be successful must pass a medical examination.

Canvassing, either directly or indirectly, will be a disqualification, and relationship to members or senior officers of the Council must be disclosed.

Applications, stating age, qualifications and experience, together with the names of two persons to whom reference may be made, must be received by the undersigned not later than the 30th October, 1948.

H. S. MARTIN, Clerk of the County Council.
County Hall, Lewes.
6th October, 1948. 511

LONDON COUNTY COUNCIL.

PLANNING STAFF.

Vacancies in the following grades (some permanent):—

ASSISTANT SENIOR PLANNING OFFICER. £1,000 to £1,200 a year.

PLANNING OFFICER (Grade I). £840 to £960 a year.

PLANNING OFFICER (Grade II). £700 to £840 a year.

PLANNING OFFICER (Grade III). £550 to £700 a year.

Candidates should possess architectural, surveying or town planning qualifications.

Full particulars and form of application obtainable from the Architect to the Council (P). The County Hall, Westminster Bridge, S.E.1 (enclose stamped addressed foolscap envelope). (1554) 1301

METROPOLITAN BOROUGH OF PADDINGTON.

HOUSING DEPARTMENT.

Applications are invited for the following appointments on the permanent establishment of the Housing Department (which also deals with all the Council's building work):

(a) ASSISTANT ARCHITECT. A.P.T. Grade V and VI, salary £520-£550 per annum, plus London weighting, commencing at a point within the grades commensurate with experience and qualifications.

Applicants should be Associates of the R.I.B.A., and have had extensive experience in contemporary architectural design and construction of general Municipal buildings, including multi-storey flats of brick and framed construction, be progressive in outlook, and able to supervise works in course of erection.

(b) ARCHITECTURAL ASSISTANT. A.P.T. Grades III and IV, salary £450-£525 per annum, plus London weighting, commencing at a point within the grades commensurate with experience and qualifications.

Candidates must be suitably qualified and should have experience of multi-storey blocks of flats. Preference will be given to Associates of the R.I.B.A. or those in an advanced stage of preparation for the Final examination of that Institute.

London weighting allowance is payable in both cases, in addition to the basic salaries, at the following rates:—

Age 16/20 years, inclusive, £10 per annum.

Age 21/25 years, inclusive, £20 per annum.

Age 26 years and over, £30 per annum.

Both appointments will be subject to one month's notice on either side, to the provisions of the Council's Superannuation Acts and Standing Orders, and to the National Joint Council's Scheme of Conditions of Service.

Forms of application are obtainable from the undersigned, and applicants should state clearly which form is required.

Applications for both appointments, stating age, qualifications, present and previous appointments with salaries, and experience, together with copies of three recent testimonials, clearly indicating the appointment for which application is being made, are to be delivered to the undersigned by first post on Monday, 1st November, 1948.

Canvassing, directly or indirectly, will disqualify.

W. H. BENTLEY, Town Clerk.
Town Hall, Paddington, London, W.2.
8th October, 1948. 512

CITY OF COVENTRY.

Applications are invited for the following whole-time appointments on the permanent staff of the City Architectural Department:—

(a) ONE CHIEF ASSISTANT ARCHITECT. Salary grade, A.P.T. VIII, commencing at £685 per annum and rising to £760 per annum.

(b) ONE ASSISTANT ARCHITECT, acting as Section Deputy. Salary grade on A.P.T., Va, commencing at £550 per annum and rising to £610 per annum.

(c) ONE ASSISTANT ARCHITECT. Salary grade A.P.T. V, commencing at £520 per annum and rising to £570 per annum.

Candidates for the above appointments should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

(d) ONE ASSISTANT ARCHITECT. Salary grade, A.P.T. III, commencing at £450 per annum and rising to £495.

(e) ONE QUANTITY SURVEYOR, acting as Section Deputy. Salary grade, A.P.T. VII, commencing at £635 per annum and rising to £710 per annum.

Candidates should be Professional Associates of the Royal Institute of Chartered Surveyors (Quantity Division).

(f) ONE ASSISTANT ENGINEER (Heating and Ventilation). Salary grade, A.P.T. III, as (d) above.

Applicants should preferably be Graduate Members of the Institute of Heating and Ventilating Engineers, and be experienced in the design, preparation of drawings, and specifications for all classes of heating, hot and cold water supplies and ventilation equipment of buildings.

The posts are subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's medical referees. The successful male applicants will be required to contribute to the Coventry Municipal Officers' Widows' and Orphan Pension Fund.

In addition applications are invited for the following post on the temporary staff:—

ONE ASSISTANT ARCHITECT. Salary grade, A.P.T. VIII, as (a) above.

This post will carry special responsibility in connection with the new permanent buildings to be erected in the City Centre.

Salary increments are subject to satisfactory service.

Applications for all the above appointments must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Tuesday, 26th October, 1948.

Canvassing, directly or indirectly, will be a disqualification. D. E. E. GIBSON, City Architect.

1A, Warwick Row, Coventry.

7th October, 1948. 1970

EAST RIDING OF YORKSHIRE COUNTY COUNCIL.

Applications are invited for the following appointments on the permanent staff of the County Architect's Department.

(1) PRINCIPAL ASSISTANT ARCHITECT. Grade VIII, £565-£760 per annum.

Applicants must be fully qualified and have had extensive experience in the supervision of Drawing Office Staff and a contemporary outlook on Architectural Design and Construction, particularly in relation to modern educational buildings. This appointment offers considerable scope to a suitable applicant.

(2) ASSISTANT ARCHITECTS. Grades IV to VI. The salary range is £480-£660, and each suitable applicant will be appointed to the grade appropriate to his qualifications and experience. Provision is made for progress between grades within the groups, dependent upon satisfactory service. Applicants should have had satisfactory experience in the design and construction of modern buildings, and preference will be given to those who have appropriate professional qualifications.

The Authority's building programme includes Schools, County Colleges, Police Housing, Fire Stations, Health Centres and Homes for aged persons.

The appointments, which are terminable by one month's notice on either side, are subject to the provisions of the Local Government Superannuation Act, 1937, in connection with which the successful candidate will be required to pass a medical examination.

Applications, stating age, training, qualifications, experience, and details of past and present appointments, with salary, accompanied by copies of three recent testimonials, are to reach K. F. Girard, A.R.I.B.A., A.M.T.P.I., County Architect, County Hall, Beverley, not later than 5th November, 1948.

T. STEPHENSON, Clerk of the County Council.

County Hall, Beverley.

October, 1948. 584

WARWICKSHIRE COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

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

ASSISTANT ARCHITECTS. Grade A.P.T., V, salary £520-£570.

Applicants must be Registered Architects, with at least four years' office experience.

ASSISTANT ARCHITECT. Grade A.P.T., II, £420-£465.

JUNIOR ASSISTANT ARCHITECT. Grade A.P.T., I, £390-£435.

The appointments will be subject to the conditions of the Local Government Superannuation Act, 1937, and to a satisfactory medical examination.

Application forms can be obtained from C. H. Elkins, F.R.I.B.A., County Architect, Shire Hall, Warwick, to whom they are returnable within 14 days of the appearance of this advertisement.

L. EDGAR STEPHENS, Clerk of the Council.

Shire Hall, Warwick. 559

ANGLESEY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

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

(a) DEPUTY COUNTY ARCHITECT. Salary Grade VIII, commencing at £685 per annum and rising to £760 per annum. Applicants should be Registered Architects and Associates of the Royal Institute of British Architects, with considerable experience in the design of educational buildings, handling of contracts, and the supervision of technical staff.

(b) TWO SENIOR ASSISTANT ARCHITECTS. Salary Grade VI, commencing at £596 per annum and rising to £660 per annum. Applicants should be Registered Architects and members of the Royal Institute of British Architects, with experience in the design of educational buildings, preparation of working drawings, and supervision of buildings in course of erection.

(c) ONE ARCHITECTURAL ASSISTANT. Salary Grade III, commencing at £450 per annum and rising to £495 per annum. Applicants should have good experience of work undertaken by a Local Authority, and preference will be given to applicants who have passed the Intermediate examination of the Royal Institute of British Architects.

(d) ONE JUNIOR ARCHITECTURAL ASSISTANT. Salary Grade I, commencing at £390 per annum and rising to £435 per annum. Applicants should have had good training in general architectural work and be capable of preparing working drawings and details under supervision.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the successful candidates passing a medical examination. The appointments are also subject to three months' notice on either side in the case of appointment (a) and to one month's notice on either side in the case of appointments (b), (c) and (d).

Applications in plain envelopes, appropriately endorsed, stating age, training, qualifications, experience, and past and present appointments, and giving the names of two referees and accompanied by a copy of one testimonial, should be delivered to the undersigned not later than Friday, 5th November, 1948.

WILLIAM JONES, Clerk of the County Council.

Shire Hall, Llangefni, Anglesey.

October, 1948. 590

CITY OF COVENTRY.

Applications are invited for the following whole-time appointments on the permanent staff of the City Architectural Department:—

(a) TWO QUANTITY SURVEYORS. Salary grade, A.P.T., VII, commencing at £635 per annum and rising to £710 per annum.

Candidates should be Professional Associates of the Royal Institute of Chartered Surveyors (Quantities Division).

(b) ONE QUANTITY SURVEYOR. Salary grade, A.P.T., IV, commencing at £480 per annum and rising to £525 per annum.

(c) ONE QUANTITY SURVEYOR. Salary grade, A.P.T., III, commencing at £450 per annum and rising to £495 per annum.

For (b) and (c) candidates should preferably have passed the Intermediate examination of the Royal Institute of Chartered Surveyors (Quantities Division), and should be capable of taking off quantities and working up for contracts of medium size.

The posts are subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's medical referee. The successful male applicants will be required to contribute to the Coventry Municipal Officers' Widows and Orphans' Pension Fund. Salary increments are subject to satisfactory service.

Applications for all the above appointments must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Friday, 5th November, 1948.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON,

City Architect.

la, Warwick Row, Coventry.

21st October, 1948. 569

BOROUGH OF DEAL.

JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited from suitably qualified persons for the permanent appointment of Junior Architectural Assistant, in the Borough Engineer and Surveyor's Department.

Salary on Grade I of the National Consolidated Scale of £390 per annum, rising subject to satisfactory service to £435 per annum.

Candidates must have had proper training in the profession, and should have had experience in general Municipal architecture.

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

Applications, stating age, qualifications and experience, with the names and addresses of two persons to whom the Council may refer, must reach the undersigned not later than first post on Friday, the 29th October, 1948.

D. A. DANIELS,

Town Clerk.

Municipal Offices, Queen Street, Deal, Kent.

11th October, 1948. 553

CROWN AGENTS FOR THE COLONIES.

Applications from qualified candidates are invited for the following post:—

QUANTITY SURVEYOR required by Sierra Leone Government Public Works Department for one tour of 18 to 24 months, with prospect of permanency. Commencing salary and expatriation pay according to experience in the scale £600, rising to £1,200 a year. Outfit allowance £60. Free passages. Candidates, preferably

Members of the Royal Institution of Chartered Surveyors (Quantities Sub-Division) must be able to prepare Bills of Quantities for Estimates and Contracts by direct or indirect labour. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/24218/3D on both letter and envelope. 548

CITY OF NOTTINGHAM.

HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT. A.P.T., Grade V. Salary £520-£570 per annum.

(b) ASSISTANT QUANTITY SURVEYOR. A.P.T., Grade V. Salary £520-£570 per annum.

Candidates for appointment (a) must be Registered Architects, with practical experience in the design and construction of houses, the preparation of layouts for large estates, and the control of contracts.

Candidates for appointment (b) should be Members of the Royal Institute of Chartered Surveyors, and have experience in the preparation of Bills of Quantities, specifications, estimates, and the settlement of final accounts for large housing schemes.

The above appointments are in accordance with the National Joint Council's Scheme of Conditions of Service, and will be subject to the Local Government Superannuation Act, 1937.

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

Applications, accompanied by copies of two recent testimonials, must reach me not later than Wednesday, 10th November, 1948.

J. E. RICHARDS,

Town Clerk.

The Guildhall, Nottingham.

560

THE POLYTECHNIC, 309, REGENT

SCHOOL OF ARCHITECTURE, SURVEYING, AND BUILDING.

Applications are invited for the post of SENIOR ASSISTANT FOR TOWN PLANNING.

Candidates should have had practical experience in a Planning Office, and should possess the Diploma of a recognized school and have been admitted an Associate Member of the Town Planning Institute.

The Diploma in Planning offered through the School carries exemption from the Final Examination of the Town Planning Institute.

Salary in accordance with the Burnham (Technical) Scale for Senior Assistants, £700×£25-£800, plus £30 graduate allowance and London allowance of £36-£48, with possibly an additional allowance for training.

Further particulars and form of application may be obtained by sending a stamped addressed foolscap envelope to the undersigned.

J. C. JONES,

Director of Education.

594

CITY OF PETERBOROUGH.
CITY ENGINEER AND SURVEYOR'S
DEPARTMENT.

Applications are invited for the appointment of a SENIOR ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade V, A.P.T., i.e., £520, rising to £570 per annum.

Applicants must be Registered Architects and preferably members of the R.I.B.A., and should be capable of carrying out work under the minimum of supervision. Experience in the design and construction of modern schools will be considered an advantage.

The City Council have adopted the National Scheme of Conditions of Service. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination. Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, and endorsed "Architectural Assistant, Grade V," must be delivered to the undersigned not later than 5th November, 1948.

Applicants must disclose whether they are related to any Senior Official or Member of the Authority. Canvassing, either directly or indirectly, will be deemed a disqualification.

ARTHUR J. REEVES,

Town Clerk.

Town Hall, Peterborough.

October, 1948. 515

RURAL DISTRICT COUNCIL OF
PONTARDAWE.
ARCHITECT AND PLANNING
DEPARTMENT.

The Council invite applications for the appointment of Two Assistants in the above-mentioned department:—

(1) SENIOR ARCHITECT'S ASSISTANT, in Grade V of the A.P. and T. Division, i.e., £460 per annum, rising by two increments of £15 and one of £20 to a maximum of £570 per annum.

(2) JUNIOR ARCHITECT'S ASSISTANT, in Grade II of the A.P. and T. Division, i.e., £420 per annum, rising by three increments of £15 to a maximum of £465 per annum.

Both applicants should be experienced in carrying out and plotting surveys of large housing estates, planning and construction of roads and sewers, preparation of plans, specifications, etc. Preference will be given to applicants holding a qualifying certificate under one or other of the recognised professional Institutes—a Final certificate for the Senior post and the Intermediate certificate for the Junior post.

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

The appointment may be determined by one month's notice in writing on either side.

Applications, stating age, qualifications, previous and present appointments, and the earliest date when available to commence duties, together with copies of three recent testimonials, to be delivered to the undersigned not later than 2nd November, 1948.

BRYAN H. WILLIAMS,

Clerk to the Council.

13th October, 1948. 567

COUNTY COUNCIL OF THE COUNTY OF
STIRLING.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the post of QUANTITY SURVEYOR in the County Architect's Department.

The scale of salary will be J.I.C. Scale for A.P.T., Grade VI, £535-£600 per annum, plus cost-of-living bonus. Applicants should be Members of the Royal Institute of Chartered Surveyors, and should have had wide experience in the preparation of estimates, specifications and schedules of quantities, measuring up, and the adjustments of final counts.

The appointment will be subject to the J.I.C. Scheme of Salaries and Conditions of Service, and the successful applicant will require to undergo a medical examination for admission to the Superannuation Scheme.

Applications, with copies of not more than three recent testimonials, should be sent to the County Clerk at the undersigned address within fourteen days from the date of this advertisement.

(Sgd.) GEORGE J. SHERRIFF,

County Offices, Viewforth, Stirling. 538

CITY OF YORK.

Applications are invited for the permanent appointment of ARCHITECTURAL ASSISTANTS (Two) (Grade A.P.T. V, £520-£575 p.a.). Applicants must be A.R.I.B.A. and have had experience in housing and/or schools. Conditions of appointment, together with application form, can be obtained from the undersigned. Applications, together with copies of three recent testimonials, must be delivered not later than 31st October, 1948.

Houses are available for renting by successful applicants, if married.

CHAS. J. MINTER,

City Engineer and Architect.

Guildhall, York.

October, 1948. 552

COUNTY BOROUGH OF WALSALL.

PUBLIC WORKS DEPARTMENT.

Applications are invited for the following appointments:—

(1) ASSISTANT ARCHITECT, in Grade VII of the Administrative, Professional and Technical Division of the National Joint Council's Scales of Salaries (£635×£25-£710).

(2) ASSISTANT ARCHITECT in Grade V of the above Division (£520×£15×£15×£20-£570). Applicants for both appointments must have had general architectural experience, especially in connection with housing and schools, and preference will be given to Associate Members of the Royal Institute of British Architects.

Both appointments are subject to the provisions of the Local Government Act, 1937, and the selected candidates will be required to pass medical examinations.

Applications, giving age, details of qualifications and experience, together with copies of three recent testimonials, should be received by the undersigned not later than Monday, 15th November, 1948.

M. E. HABERSHON,

Borough Engineer and Surveyor.

Council House, Walsall.

13th October, 1948. 578

COUNTY BOROUGH OF BLACKBURN.

Applications are invited in connection with the following vacancies on the permanent staff of the Borough Engineer's Department:—

THREE ARCHITECTURAL ASSISTANTS, Grade VI or VII.

Salary £595-£660 and £635-£710 respectively, according to experience and qualifications.

Applicants must be Registered Architects and have good general experience in the design and construction of public and Municipal buildings, schools, etc.

ONE ASSISTANT QUANTITY SURVEYOR, Grade VI.

Salary £595-£660.

Applicants must be experienced in the preparation of Bills of Quantities, Specifications, Estimates, and the Settlement of Final Accounts, and preference will be given to Professional Associates of the Chartered Surveyors' Institution.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the applicant's passing a medical examination, and the persons appointed will be required to undertake two years' service.

Applications, suitably endorsed, stating age, qualifications, experience, present and past appointments, together with not more than three recent testimonials, should be submitted to the Borough Engineer and Surveyor, Town Hall, Blackburn, not later than noon on Monday, 8th November.

(Sgd.) CHAS. S. ROBINSON,

Town Clerk.

577

COUNTY BOROUGH OF SOUTHAMPTON

EDUCATION COMMITTEE.

SOUTHERN COLLEGE OF ART.

SOUTHAMPTON.

DEPARTMENT OF ARCHITECTURE.

Required, as soon as possible, a Part-time LECTURER for one day a week (with possibility of additional time as classes develop).

Candidates should be Associate R.I.B.A. Teaching experience desirable, but not essential. Further particulars regarding salary and duties, on application to the Principal, Southern College of Art, Marsh Lane, Southampton.

F. L. FREEMAN,

Chief Education Officer.

Education Office, Civic Centre, Southampton. 576

MINISTRY OF EDUCATION.

Applications are invited for the following temporary posts on the staff of the Architect's Branch:—

SENIOR ARCHITECTS. Men, £1,050×£35 to £1,270; Women, £900×£30 to £1,100.

ARCHITECTS. Men, £750×£25 to £1,000; Women, £650×£25 to £850.

Applicants should be British subjects, and be registered Architects by examination. They should be able designers in the broadest contemporary sense, and should have had post-war experience in the handling of new techniques. Personality and tact will be qualifications, and Central or Local Government experience would be an advantage, though not an essential qualification.

Applications, giving full particulars, including present emoluments and the names of two referees, should reach the Director of Establishment, Ministry of Education, by the 5th November, 1948.

Ministry of Education, Curzon Street. 575

**COUNTY BOROUGH OF BARROW-IN-FURNESS.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.**

Applications are invited for the following permanent appointments—

(a) **SENIOR ASSISTANT ARCHITECT.** Grade VI, £595-£660 per annum.

Candidates must be Associates of the R.I.B.A., and have had considerable experience on housing, schools and general Municipal buildings.

(b) **ASSISTANT ARCHITECTS (TWO)** Grade Va, £560-£610 per annum.

Candidates must be Registered Architects, preferably A.R.I.B.A., and should have had experience on housing, schools, and general Municipal buildings.

(c) **ASSISTANT ARCHITECT.** Grade I, £390-£435.

Candidates should be good draughtsmen, with some experience of design.

(d) **QUANTITY SURVEYOR.** Grade Va, £560-£610.

Candidates must possess a recognized professional qualification, and be competent to prepare quantities, specifications, estimates, and schedules for housing, schools, and general Municipal buildings.

The Council has accepted the principle of providing housing accommodation for posts (a), (b) and (d).

The appointments will be subject to (1) The National Scheme of Conditions of Service; (2) the provisions of the Local Government Superannuation Act, 1937; (3) termination by one month's notice on either side; (4) the successful candidate passing a medical examination; and (5) becoming a member of the appropriate Trade Union.

Forms of application may be obtained from the Borough Engineer and Surveyor, Town Hall, and must be completed and returned to him not later than Saturday, 30th October, 1948.

No candidate summoned for interview who is not prepared to accept the position without qualification, whether it be offered to him or not, will be paid his expenses.

W. LAWRENCE ALLEN, *Town Clerk.*

**KINGSTON-UPON-HULL CORPORATION.
CITY ENGINEER'S DEPARTMENT.
APPOINTMENT OF TECHNICAL STAFF.**

Applications are invited for the following appointments—

(a) **ASSISTANT ARCHITECTS.** A.P.T., Grade VI (£595-£660 per annum).

(b) **ASSISTANT ARCHITECT.** A.P.T., Grade V (£520-£570 per annum).

(c) **ARCHITECTURAL ASSISTANT.** A.P.T., Grade I (£390-£435 per annum).

Applicants should not be over 40 years of age (except in the case of applicants who are serving or have served in the Forces).

Candidates for (a) should be Associates of the Royal Institute of British Architects, and thoroughly experienced in the design and layout and preparation of working drawings for Commercial and Municipal buildings.

Candidates for (b) should preferably be Associates of the Royal Institute of British Architects and have had good general architectural experience, and be capable of preparing working drawings.

Candidates for (c) should have had a good training in architecture, and preference will be given to those who have passed the Intermediate examination of the Royal Institute of British Architects.

Applications, on forms which can be obtained from the City Engineer, Guildhall, Kingston-upon-Hull, accompanied by copies of testimonials, are to be returned not later than fourteen days after the insertion of this advertisement.

Any applicant canvassing a member of the Council or Chief Officer will be disqualified.

WM. MORRIS, M.Inst.C.E., F.S.I., *City Engineer.*

**MERSEYSIDE AND NORTH WALES
ELECTRICITY BOARD.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the above post in the Chief Engineer's Department of the Board at Area Headquarters at a salary within the range of £600-£800 per annum, according to qualifications and experience, subject to a later adjustment to conform with the scale of salaries agreed after negotiation with the appropriate organization.

Applicants must be under 45 years of age, be suitably qualified and have had good general experience in all branches of building work. The officer appointed will be required to be capable of taking charge of all work necessary for the design and construction, either by contract or otherwise, of buildings for sub-station or other purposes, including negotiating with Local Authorities, obtaining licences and consents, and preparing specifications and schedules of quantities. The successful applicant will be required to satisfy the Board's medical adviser and to contribute to a superannuation scheme adopted by the Board. Applications on the prescribed form, which can be obtained from the Secretary, Merseyside and North Wales Electricity Board, Electricity House, Love Lane, Pall Mall, Liverpool, 3, must be completed and returned in an envelope endorsed "Architectural Assistant," so as to be received not later than 14 days from the appearance of this advertisement.

JAMES RANKIN, *Secretary.*

CITY AND COUNTY OF CANTERBURY.

Applications are invited for the position of TOWN PLANNING ASSISTANT, in the office of the City Surveyor. Applicants must have had experience in the carrying out of basic surveys, the replanning of built-up areas, and have sound knowledge of control and development procedure. Preference will be given to candidates possessing a recognized planning qualification. The salary will be in accordance with A.P.T. Grade Va (£550-£610). The appointment is to the permanent staff under the direction of the Joint Planning Officers, is subject to one month's notice on either side, and to a successful medical examination. Arrangements are being made for housing accommodation. Applications, endorsed "Town Planning Assistant," giving age, full particulars of experience and qualifications, and names and addresses of two persons to whom reference may be made, should be received by Mr. H. M. Enderby, O.B.E., M.I.Mun.E., City Surveyor and Joint Planning Officer, not later than the 6th November, 1948.

J. BOYLE, *Town Clerk.*

Municipal Buildings, Canterbury. 15th October, 1948. 592

CITY OF ROCHESTER.

Applications are invited for the following appointment in the City Surveyor's Department—

ARCHITECTURAL ASSISTANT. Grade II, £420-£465.

Candidates should have passed the examination for Associate of the Royal Institute of British Architects, or hold an equivalent qualification.

The appointment will be subject to—

(1) The scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

(2) The Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must be delivered to Lt.-Col. W. Law, M.I.C.E., City Surveyor, 66, Maidstone Road, Rochester, not later than 8th November, 1948.

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

JOHN L. PERCIVAL, *Town Clerk.*

Guildhall, Rochester. 15th October, 1948. 591

CITY AND COUNTY OF THE CITY OF EXETER.

**WATERWORKS DEPARTMENT.
APPOINTMENT OF SENIOR ASSISTANT
ENGINEER.**

Applications are invited for the appointment of a Senior Assistant Engineer, on the permanent staff of the City Engineer, Surveyor and Water Engineer. The appointment will be at a salary in accordance with Grade A.P.T. V, of the National Scheme of Conditions of Service, commencing at £520 per annum, rising by two annual increments of £25 and one of £20 to a maximum of £570 per annum.

Applicants must be Corporate Members of the Institution of Civil Engineers or the Institution of Structural Engineers, and have considerable experience in the design and construction of reinforced concrete structures.

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

Applications on forms to be obtained from the undersigned, accompanied by copies of not more than three recent testimonials, must be delivered not later than noon on Monday, 1st November, 1948, endorsed "Appointment of Senior Assistant Engineer."

J. BRIERLEY, A.M.I.C.E., F.G.S., *City Engineer, Surveyor and Water Engineer.*

11th October, 1948. 554

**COUNTY BOROUGH OF SOUTHAMPTON.
BOROUGH ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments—

(a) **SENIOR ASSISTANT ARCHITECT.** Grade VI (Housing Section) (Permanent), £595-£650.

Candidates should have had good professional training, experience with a Local Authority in housing schemes, the layout of estates, and general architectural design.

(b) **QUANTITY SURVEYOR.** Grade V, £520-£570.

Applicants should be capable of taking off. Experience in a Quantity Surveyor's office will be an advantage.

(c) **QUANTITY SURVEYING ASSISTANT.** Grade I, £390-£435.

Applicants should be capable of squaring dimensions, abstracting and elementary taking off. Experience in a Quantity Surveyor's office will be an advantage.

The appointments are subject to the National Joint Council Scheme of Conditions of Service, as adopted by the Corporation, and to the passing of a medical examination for the purposes of the Local Government Superannuation Act, 1937. Form of application obtainable from the Borough Architect's Department, Civic Centre, Southampton.

R. RONALD H. MEGGESSON, *Town Clerk.*

Civic Centre, Southampton. 586

LONDON HOSPITAL.

(a) **ARCHITECTURAL ASSISTANT** required, fully qualified and experienced. Salary range £550-£625 p.a.

(b) **ARCHITECTURAL ASSISTANT** required, Intermediate standard, with office experience. Salary range £350-£425 p.a., according to age and qualifications.

Applications, giving full particulars of training and experience, to be addressed to Surveyor, London Hospital, Whitechapel, E.1. 561

METROPOLITAN BOROUGH OF POPLAR.

Appointment of—

(a) **ARCHITECTURAL ASSISTANT** (for Reconstruction Planning), A.P.T. V.

(b) **ARCHITECTURAL ASSISTANT.** Misc. I. Applications are invited from suitably qualified persons for the above-mentioned appointments, on the permanent establishment of the Borough Engineer and Surveyor's Department.

The work in connection with (a) will consist of surveys, planning and reconstruction of neighbourhoods.

Full details of the appointments 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 Monday, 8th November, 1948. 566

COUNTY BOROUGH OF SOUTH SHIELDS.

Applications are invited for the following appointments—

(1) **TWO FIRST ASSISTANT ARCHITECTS.** on Grade A.P.T. V (£520-£570).

(2) **ONE SECOND ASSISTANT ARCHITECT.** on Grade A.P.T. II (£420-£465).

Applications for the above appointments must be made on forms obtainable from the Borough Engineer, Lt.-Col. J. Reid, M.I.C.E., Town Hall, South Shields, and returned not later than 25th November, 1948, appropriately endorsed.

Appointments will be subject to:—

(1) Provisions of Local Government Superannuation Act, 1937.

(2) National Conditions of Service.

(3) Satisfactory passing of medical examination by the successful applicants.

(4) Termination by one month's notice on either side.

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

The Corporation will be prepared to assist in the provision of housing accommodation for the two First Assistant Architects.

HAROLD AYREY, *Town Clerk.*

Town Hall, South Shields. 14th November, 1948. 589

CORNWALL COUNTY COUNCIL.

Applications are invited for the following appointments on the Established Staff of the County Architect's Department—

(a) **COUNTY BUILDING INSPECTOR.** Salary on Grade VI (£595 to £660) a year, together with a mileage travelling allowance on the County Scale. The initial salary will be determined according to qualifications and experience.

(b) **ASSISTANT QUANTITY SURVEYOR.** Salary on Grade V (£520 to £570) a year.

Candidates for the post (a) should be between 35-45 years of age, and should have held a similar Local Government appointment, involving responsibility for maintenance repairs to all Schools and other County Buildings, including the levelling, grading and tar spraying of School playgrounds. Applicants should have administrative ability, a sound knowledge of Builders' Quantities, and experience in the preparation of detailed specifications, reports and estimates.

Candidates for the post (b) should be competent to prepare Estimates, Bills of Quantities, measure work and adjust variations on Contracts.

Both appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination. Canvassing, either directly or indirectly, will disqualify.

Forms of application may be obtained from the County Architect, County Hall, Truro, to whom applications must be sent not later than 13th November, accompanied by one recent testimonial and the names of two persons to whom reference can be made.

E. T. VERGER, *Clerk of the County Council.*

County Hall, Truro. 8th October, 1948. 587

UNITED BRISTOL HOSPITALS.

Applications are invited from suitably qualified candidates for the post of SUPERINTENDENT OF WORKS AND BUILDINGS. Preference will be given to applicants possessing both a qualification in mechanical or structural engineering and a sound knowledge of building construction. The salary will provisionally commence at £1,000 per annum and will eventually be subject to the decision of the appropriate Whitley Council set up under the National Health Service Act.

Applications, giving full Christian names, age, and details of education, qualifications and experience, and accompanied by two recent testimonials and the names of two referees, should reach the undersigned not later than Monday (15th November, 1948).

STEPHEN C. MERIVALE, *Secretary to the Board.*

Bristol Royal Infirmary, Bristol, 2. 570

**GLAMORGAN COUNTY COUNCIL.
APPOINTMENTS OF ARCHITECTURAL
STAFF.**

Applications are invited for the following appointments on the permanent staff of the Architect's Department:—

- (a) ASSISTANT ARCHITECTS. Grade VI, £595-£660.
- (b) ASSISTANT ARCHITECTS. Grade V, £520-£570.
- (c) ASSISTANT ARCHITECTS. Grade IV, £480-£525.
- (d) ARCHITECTURAL ASSISTANTS. Grade I, £390-£435.
- (e) SENIOR QUANTITY SURVEYOR. Grade VIII, £685-£760.

(f) ASSISTANT QUANTITY SURVEYORS. Grade VI, £595-£660.

(g) ASSISTANT QUANTITY SURVEYOR. Grade V, £520-£570.

(h) HEATING AND VENTILATING ENGINEER. Grade VI, £595-£660.

(i) HEATING AND VENTILATING ENGINEER. Grade V, £520-£570.

(j) ESTIMATING ASSISTANT. Grade VI, £595-£660.

The scales are those of the A.P. and T. Division of the National Scheme of Conditions of Service. Candidates for Architectural appointments (a), (b) and (c) must be Registered Architects and Associates of the R.I.B.A., and should have had good training and adequate experience in the design and construction of modern buildings, particularly in regard to School buildings.

Candidates for Architectural appointments (d) must have passed the Intermediate examination of the R.I.B.A.

Candidates for appointments as Quantity Surveyors (e), (f), (g) must be Chartered Quantity Surveyors of the Royal Institute of Chartered Surveyors (Quantities Section), and should be capable of undertaking all stages of the work in the preparation of specifications and bills of quantities, including preliminary estimates, preparation and statement of final accounts, site measurements, and the preparation of interim surveys, and should have had extensive experience in this work.

Candidates for appointments (h) and (i) must be Members or Associate Members of the Institution of Heating and Ventilating Engineers, and be fully experienced in the design and supervision of modern heating, hot water and ventilating systems for all types of County Buildings. Experience in the design of electrical installations and the mechanical equipment of buildings will be considered an advantage.

Candidates for appointment (j) must be Members of the Royal Institute of Chartered Surveyors (Quantities Section), experienced in current pricing of building trades work. Will be required to price items of Bills of Quantities, arrive at a total tender, and will be responsible for maintaining records and details of actual and estimated prices of measured building work.

The appointments will be subject to the National Scheme of Conditions of Service, to the staffing regulations of the County Council from time to time in force, to the provisions of the Local Government Superannuation Act, 1937, and to one calendar month's notice on either side. Successful candidates for the permanent appointments will be required to pass a medical examination.

Candidates must not be over 45 years of age, but this condition may be relaxed in the case of a person already in the service of the Authority, or a specially suitable candidate employed by another Local Authority. In the case of ex-Service applicants, the age limit will be raised by the number of years served in H.M. Forces during the late war.

Applications for any of the above-named appointments, on forms which may be obtained from L. R. Gower, F.R.I.B.A., Glamorgan County Architect, County Hall, Cardiff, must be returned to him in sealed envelopes, appropriately endorsed, within 21 days of the appearance of this advertisement.

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

A. CLIFFORD WALTER,
Deputy Clerk of the County Council.
Glamorgan County Hall, Cardiff.
8th October, 1948. 551

**HARROW URBAN DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant (Grade A.P.T. IV, Salary scale £480-£525, plus London weighting) in the Department of the Engineer and Surveyor. Candidates should have had sound experience in architectural work generally and particularly housing. Duties will include the preparation of sketch designs, working drawings and specifications, and supervision of work under construction.

Preference will be given to candidates holding recognized professional qualifications. The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937; to the passing of a medical examination, and to the National Joint Council Scheme of Conditions of Service.

The Council is unable to offer any assistance in obtaining housing accommodation for the successful applicant.

Forms of application can be obtained from the undersigned, to whom they should be returned not later than Saturday, 30th October, 1948.

H. WELLS,
Clerk of the Council.
Council Offices, Harrow Weald Lodge,
Harrow Weald. 1987

**NEW SOUTH WALES TECHNICAL
EDUCATION DEPARTMENT.**

Application is invited for the position of SENIOR LECTURER IN METALLIFEROUS MINING, in the New South Wales Technical Education Department. Salary A£802 to A£877 (Australian) annually. Commencing salary will be commensurate with qualifications and experience and there are prospects of advancement.

Applicants should hold a degree or diploma in Mining (preferably in the honours grade), having specialized in metalliferous mining, and should have had satisfactory industrial or research experience, and preferably some teaching experience.

Applications are also invited for each of the following positions:—

- LECTURERS in:—
- Architecture
- Building Technology,
- Chemistry (Physical),
- Chemistry (Analytical),
- Chemical Engineering,
- Bio-Chemistry,
- Food Technology,
- Mechanical Engineering,
- Civil Engineering,
- Mining Engineering,
- Electrical Engineering,
- Production Engineering,
- Metallurgy,
- Physics,
- Mathematics.

Salary in each case A£552 to A£877 (Australian) annually. Commencing rate will be commensurate with qualifications and experience, and there are prospects of advancement.

Applicants should be Graduates of a recognized University or Technical College (preferably with an honours degree), and should have had appropriate industrial experience and be prepared to undertake research in their special fields.

Successful applicants will be required to lecture to students undertaking higher technological courses, and will be called upon to undertake some work of degree standard for the New South Wales Technical University under the direction of the appropriate professor.

Appointees will be eligible, subject to medical examination, to contribute to the State Superannuation Fund, which will provide an annual pension up to £520 per annum.

Actual travelling expenses of the appointees and their families to Sydney will be allowed.

Six copies of applications, quoting age, educational career, experience and other qualifications (and six copies of any testimonials and other supporting documents) must reach the Agent-General for New South Wales, 56, Strand, London, W.C.2, not later than the 20th November, 1948. 549

**BOROUGH OF WATFORD.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.**

**APPOINTMENT OF TEMPORARY ASSISTANT
QUANTITY SURVEYOR.**

Applications are invited for the above appointment, at an inclusive salary of £550 per annum. The appointment is temporary, but is expected to last two years.

Applicants should hold an appropriate professional qualification and be accustomed to the preparation of Bills of Quantities and Specifications, and the measuring up and settlement of accounts in connection with building work.

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

Applications must be made on the prescribed form, which can be obtained from the undersigned, Town Hall, Watford, and must be returned to him not later than Friday, 29th October, 1948, endorsed "Temporary Assistant Quantity Surveyor."

F. C. SAGE, Assoc.M.Inst.C.E.,
M.I.Mun.E.,
Borough Engineer and Surveyor.

Town Hall, Watford.
October, 1948. 527

**BOROUGH OF GRANTHAM.
HOUSING ARCHITECT'S DEPARTMENT.**

**APPOINTMENT OF TEMPORARY QUANTITY
SURVEYOR.**

Applications are invited for the appointment of a temporary Quantity Surveyor, in the Department of the Housing Architect, in accordance with A.P.T., Grade V (£520 to £570, consolidated).

Applicants should be fully experienced and competent to prepare Bills of Quantities, Specifications, Site Measurements, Estimates and Final Accounts in connection with the Council's various Housing Schemes. Preference will be given to candidates who are members of the Chartered Surveyors' Institution. The Town Council have adopted the National Scheme of Conditions of Service, and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

The appointment is expected to last for a minimum period of two years, but is subject to one month's notice of termination given on either side at any time.

Applications, stating age, qualifications and details of experience, accompanied by copies of two recent testimonials, must be forwarded to the undersigned not later than Monday, 1st November.

JOHN F. GUILLE,
Town Clerk.
Guildhall, Grantham.
11th October, 1948. 568

**COUNTY OF LINCOLN—PARTS OF LINDSEY.
COUNTY ARCHITECT'S DEPARTMENT.**

There are a number of vacancies on the permanent staff of the County Architect's Department for experienced Architects, at salaries ranging from £520 per annum to £710 per annum.

Candidates should disclose whether to their knowledge they are related to any member or senior officer of this Council.

Applications, stating age, training, experience and qualifications and salary required, together with copies of two recent testimonials, should be sent to A. R. Clark, A.R.I.B.A., A.M.T.P.I., County Architect, County Offices, Lincoln, not later than Monday, 25th October, 1948. 550

DEPARTMENT OF HEALTH FOR SCOTLAND.

The Civil Service Commissioners announce vacancies for PLANNING OFFICERS and ASSISTANT PLANNING OFFICERS on the permanent establishment of the Department of Health for Scotland, to be filled by competitive interview. The work ranges from regional planning to detailed design of central areas and housing layouts.

For posts other than those in the Planning Research Unit candidates must have professional qualifications in architecture, civil engineering or surveying; preference will be given to Corporate Members of the Town Planning Institute.

For posts in the Planning Research Unit (which is engaged in research concerning physical, social and economic conditions in Scotland), candidates must hold a University degree in geography, economics, or an allied subject, with at least Second Class Honours or equivalent.

Candidates for appointment as Planning Officers must be at least 30 years of age on 1st October, 1948; for appointment as Assistant Planning Officer, 28 and under 40 years of age on 1st October, 1948.

The inclusive salary scales for men are: (a) Planning Officers, £830 by increments of £30 (approximate) to £1,070 per annum; (b) Assistant Planning Officers, commencing £535-£635 per annum, according to age, with increments of £25 (approximate); special increment of £50 on satisfactory completion of 2 years probation; maximum of scale £780. The scales and rates of increment for women and for any posts outwith Edinburgh and Glasgow are somewhat lower. The posts are pensionable under the Superannuation Acts.

There are also some vacancies for Planning Officers and Assistant Planning Officers on short-term non-pensionable engagements.

Further particulars, with full information on the duties of the posts and application forms, may be obtained from the Establishment Officer (Room 32), Department of Health for Scotland, St. Andrew's House, Edinburgh, 1. Completed application forms must be returned to the Department of Health for Scotland by 31st December, 1948. 537

**CITY AND COUNTY OF BRISTOL.
CITY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following temporary and permanent staff appointments:—

TEMPORARY STAFF:
(a) SENIOR ASSISTANT ARCHITECTS (Housing and Education Sections), A.P.T., Grade VI (£595-£660).

PERMANENT STAFF:
(b) SENIOR ASSISTANT ARCHITECTS (Housing and Education Sections), A.P.T., Grade V (£520-£570).

(c) SENIOR ASSISTANT ARCHITECT (Education Section), A.P.T., Grade IV (£480-£525).

(d) ASSISTANT ARCHITECTS (Education Section), A.P.T., Grade III (£420-£465).

Housing accommodation will be provided, if necessary, at an economic rent.

Preference given to Associates R.I.B.A. in respect of (a) and (b).

Permanent appointments subject to the provisions of Local Government Superannuation Acts, 1937 and 1939, and successful applicants required to pass a medical examination.

All appointments determined by one month's notice in writing on either side.

Applications must indicate specific appointment applied for, full details of age, qualifications, experience, present position and salary, and names of two persons to whom reference may be made, and should be delivered to the undersigned by Thursday, 28th October, 1948.

J. NELSON MEREDITH, F.R.I.B.A.,
City Architect.

Eagle House, Colston Avenue, Bristol, 1.
11th October, 1948. 547

**METROPOLITAN BOROUGH OF
WANDSWORTH.**

ARCHITECTURAL ASSISTANTS.

Applications are invited for two established appointments as Architectural Assistants in the Borough Architect's Department. One appointment will be in accordance with Grade A.P.T. VI (£625-£690 per annum inclusive), and the other appointment within Grades A.P.T. V-VI (£550-£590 per annum inclusive), according to qualifications and experience.

Candidates should have had good professional training, experience with a Local Authority in housing schemes, the layout of estates, general architectural design, and the control of staff. Preference will be given to Associates of the R.I.B.A.

Forms of application may be obtained from the Borough Architect, and must be returned to the undersigned not later than 10th November, 1948.

By Order,
R. H. JERMAN,
Town Clerk.
Municipal Buildings, Wandsworth, S.W.18.
18th October, 1948. 588

Partnerships and Financial

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

A.R.I.B.A. (48), with established Northern practice, wishes to obtain Partnership or take full charge of a similar practice in West of England. Box 555.

CHARTERED ARCHITECT, age 39, is interested in Partnership with established firm; preferably Doncaster area or near; may be able to introduce work from large concern. Please write Box 563.

QUANTITY SURVEYOR, with small but growing practice, would like to meet another in similar position, or one who contemplates free-lancing, with a view to combining. Member of R.I.C.S. preferred. Box 571.

Architectural Appointments Vacant

4 lines or under, 5s.; each additional line, 1s. 6d.

ARCHITECTURAL ASSISTANTS required immediately; salary according to qualifications and experience. **Johns & Slater, F./A.R.I.B.A.**, 6, Lower Brook Street, Ipswich. 1819

ASSISTANT ARCHITECT required in busy General Practice. Reply, stating age, qualifications, experience, and salary required, **Johnson & Crabtree, F./R.I.B.A.**, 20, Priory Place, Doncaster. Tel. 3445. 1953

ARCHITECTURAL ASSISTANTS required; experience of Design of Industrial Buildings, Canteens, Offices, Houses, etc.; state experience, age, qualifications, and salary required; Birmingham area. Box 562.

ARCHITECTURAL ASSISTANT required by large Brewery in the Midlands; preference will be given to applicants having experience of the design, alteration, and maintenance of licensed properties, and who are Associates of the R.I.B.A. State age, experience, salary required, and when available, to Box 557.

ARCHITECT, with practice N.W.3 district, requires the services of Man or Woman ASSISTANT; Inter or Final standard; willingness to type correspondence a recommendation. Reply, stating age, qualifications and salary required, to Box 540.

EASTON & ROBERTSON, 54, Bedford Square, London, W.C.1, require one or two ARCHITECTURAL ASSISTANTS, with experience in working drawings and running contracts. Box 558.

LARGE Building and Civil Engineering Organisation require SENIOR ASSISTANT QUANTITY SURVEYORS in the Middle East, to join large established staff; age preferably under 44; good salary and allowances. Contract for the duration of 27 months, with an opportunity of extension. Apply in writing, stating age, experience, qualifications, etc., to Box 600.

REQUIRED ARCHITECT'S ASSISTANT in Manchester area; should be qualified; state salary required and experience. Box 532.

ARCHITECTURAL ASSISTANT required; experience in Industrial, Commercial and Housing Work essential; applicants should be capable of undertaking work from sketch design to completion. Apply to T. H. Thorpe, F.R.I.B.A., 23, St. James's Street, Derby. 533

LEICESTER Architect requires at once a competent SENIOR ASSISTANT, to take charge of drawing office. Apply, giving experience, age, and salary required, to Box 544.

ARCHITECTURAL ASSISTANTS (TWO), Seniors, required for Dublin City office; expert knowledge working drawings, building construction and alteration work; 10 years' experience essential; salary £500. Box 566.

SHOPFITTING DRAUGHTSMEN; state whether experience mainly architectural, building or design; also age and salary. **A. Edmonds & Co., Ltd.**, Constitution Hill, Birmingham, 19. 573

ARCHITECT'S Office, busy on a variety of work, including Housing, Licensed and Industrial Buildings, has vacancies for SENIOR MANAGING ASSISTANT; qualified preferred; knowledge of design desirable, but chiefly required to take charge of drawing office, including working up of designs and supervision of building. Also required SENIOR ASSISTANT, capable of producing working drawings under direction; MEDIUM GRADE ASSISTANT, capable of surveying and working up sketch designs; also JUNIOR ASSISTANT, to service the above. The above positions can be regarded as permanent, and will carry salaries in accordance with the knowledge and experience of applicants. They will in each case be progressive in character, providing genuine opportunities for the right man. Apply in the first instance in writing, giving age, experience and salary required, to Forshaw & Greaves, 33, Albion Street, Hanley, Stoke-on-Trent. 581

EXPERIENCED ARCHITECTURAL ASSISTANTS required for large scale work; salary according to qualifications and degree of responsibility; state age, experience, present salary. **Herbert J. Rowse, F.R.I.B.A.**, Martins Bank Building, Liverpool, 2. 580

JUNIOR ARCHITECT'S ASSISTANT, or Architectural Draughtsman working up for examinations, required for Country practice in the Midlands. Apply, stating age, previous experience, and salary required. Box 579.

ARCHITECTURAL ASSISTANT required for the staff of the Company Architect, Lotus, Ltd., Shoe Manufacturers, Sandon Road, Stafford; applicants should have experience in general building surveying, and a knowledge of shopfitting detailing would be an advantage. Apply in writing as soon as possible to G. M. Boon, A.R.I.B.A., Company Architect, at the above address, stating experience and salary required. 593

JUNIOR ARCHITECTURAL DRAUGHTSMAN required for industrial concern in South-Eastern England. Write to Box 585, stating qualifications.

TWO first-class fully qualified SENIOR ASSISTANTS (A.R.I.B.A.) required by Architect in West, and who is engaged on important contracts; salary offered, £650 per annum; applicants must have had all-round experience in construction, design, office and site supervision. Write, stating full particulars, Box 597.

Architectural Appointments Wanted

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MANCHESTER DISTRICT. — SENIOR ARCHITECTURAL ASSISTANT desires change; 10 years' varied experience in commercial, industrial, domestic, housing (large flat development schemes), licensed premises, chemical process buildings, etc.; capable of taking off quantities, valuations, surveys, etc.; familiar with obtaining licences and getting jobs built under difficulties; prepared to work hard, use initiative, and carry jobs through from instructions to final accounts; present salary £610 year. Box 193.

A.R.I.B.A., Dip. Arch. (27), 6 years' practical experience, requires post as SENIOR ASSISTANT in London office interested in modern architecture. Box 195.

Other Appointments Vacant

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MANAGER AND SECRETARY for an established and well-known firm of Building Specialists required; to have knowledge of Building and Concrete Construction, Accountancy, Secretarial duties, Correspondence; good disciplinarian and reliable; only those applications fulfilling these requirements will be considered. Write fully to Box 291, Allardyce Palmer, Ltd., 109, Kingsway, W.C.2. 1937

EFFICIENT SHORTHAND TYPIST, on confidential work, required by London firm of Architects and Consulting Engineers; some secretarial duties; apply in own handwriting, stating age, experience, and salary. Box 521.

ASSISTANT DESIGNER required by well-known Lancashire Firm of Paint Manufacturers; must be proficient in the preparation of interior perspectives in water-colour. State age, experience; and salary required, to Box 534.

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JUNIOR (16-17) required in Chartered Architects' office in W.C.2 area; general office work, including typing; opportunity will be given during office hours for study and design training under Principals who hold appointments on the staff of London Schools of Architecture. An excellent opportunity for a youth wishing to enter the profession. Apply, stating present occupation, education, and salary required, Box 556.

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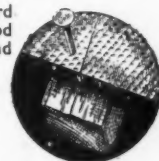
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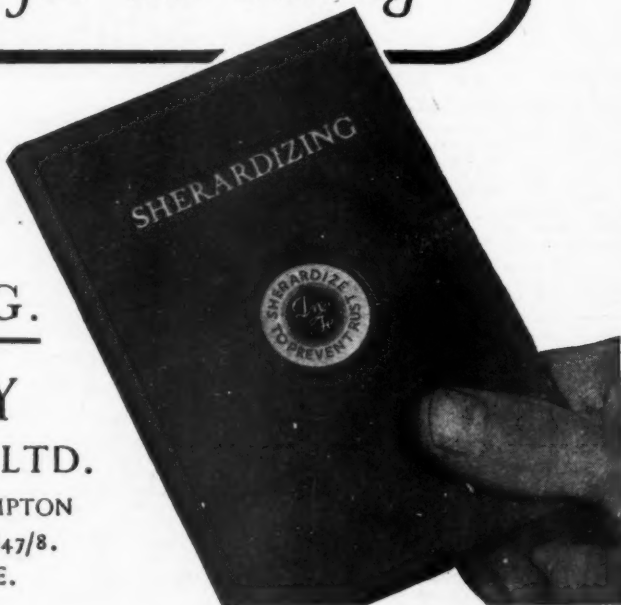
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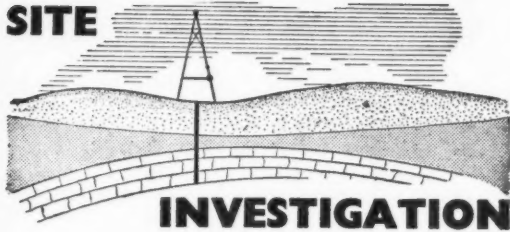
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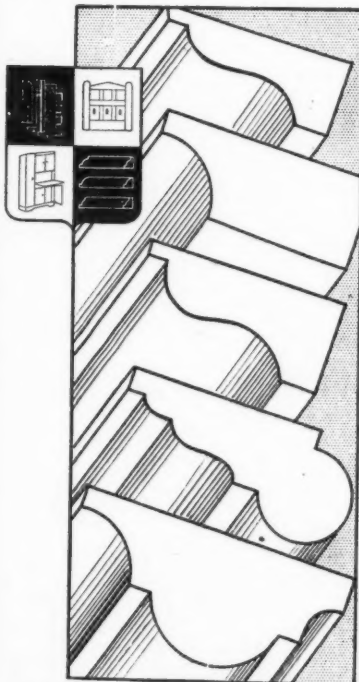
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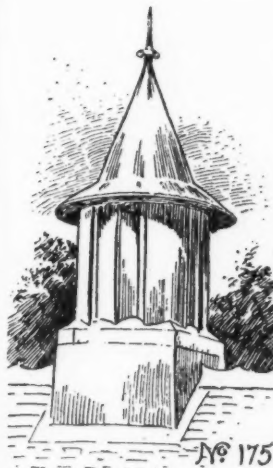
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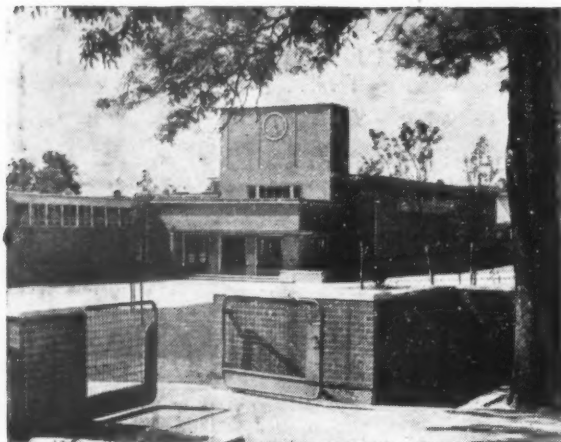
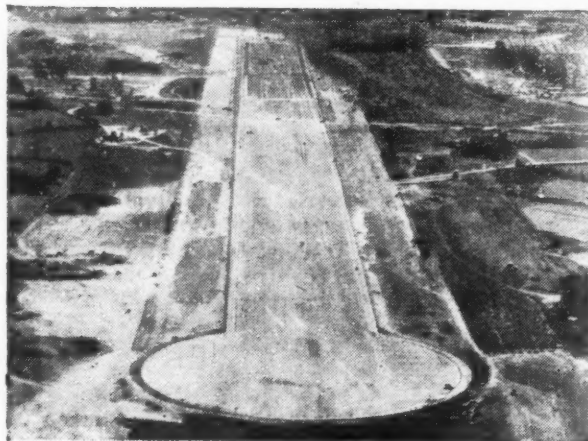
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