

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

IAAS	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
ICW	Institute of Clayworkers.	4, Vernon Place, W.C.1.	Chancery 6258
IEE	Institution of Electrical Engineers.	Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society.	32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers.	1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers.	72/74, Victoria Street, S.W.1.	Victoria 0146/7
IIBD	Incorporated Institute of British Decorators.	Drayton House, Gordon Street, W.C.1.	Euston 2450
ILA	Institute of Landscape Architects.	12, Gower Street, W.C.1.	Museum 1783
IOB	Institute of Builders.	48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects.	47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers.	11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council.	Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association.	47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM).	46, Sheffield Terrace, W.8.	Park 7678
MOA	Ministry of Agriculture and Fisheries.	55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education.	Belgrave Square, S.W.1.	Sloane 4522
MOH	Ministry of Health.	Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service.	St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply.	Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport.	Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning.	32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works.	Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council.	94, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters.	9, Victoria Street, S.W.1.	Abbey 5277/8
NBR	National Buildings Record.	37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers.	2, Caxton Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers.	82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives.	Federal House, 20A, Cedars Road, Clapham, S.W.4.	
NFHS	National Federation of Housing Societies.	13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NHBRC	National House Builders Registration Council.	82, New Cavendish Street, W.1.	Langham 4041
NHTPC	National Housing and Town Planning Council.	41, Russell Square, W.C.1.	Museum 1264
NPL	National Physical Laboratory.	Head Office, Teddington.	Molesey 1380
NRIAD	National Register of Industrial Art Designers.	National Gallery, Trafalgar Square, W.C.2.	Whitehall 2415
NSAS	National Smoke Abatement Society.	Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty.	42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning.	16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of.	Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 7611
RCA	Reinforced Concrete Association.	94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland.	15, Rutland Square, Edinburgh.	Edinburgh 20396
RIBA	Royal Institute of British Architects.	66, Portland Place, W.1.	Welbeck 5721
RICS	Royal Institution of Chartered Surveyors.	12, Great George St., S.W.1.	Whitehall 5322
RFAC	Royal Fine Art Commission.	6, Burlington Gardens, W.1.	Regent 1446
RS	Royal Society.	Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts.	6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute.	90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau.	35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers.	20, Piccadilly, London, W.1.	Regent 6347
SCR	Society for Cultural Relations with the USSR.	98, Gower Street, W.C.1.	Euston 6272/3
SFMA	School Furniture Manufacturers' Association.	13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SIA	Structural Insulation Association.	14, Moorgate, London, E.C.2.	Central 4444
SLA	Society of Industrial Artists.	Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Metropolitan 8344
SNTPC	Scottish National Town Planning Council.	11, Drumsheugh Gardens, Edinburgh, 3.	
SPAB	Society for the Protection of Ancient Buildings.	55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association.	28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association.	75, Cannon Street, E.C.4.	City 6146 (3 lines)
TPI	Town Planning Institute.	18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation.	81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission.	Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association.	61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association.	Lincoln House, Turl Street, Oxford.	Oxford 47988

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[Vol. 106

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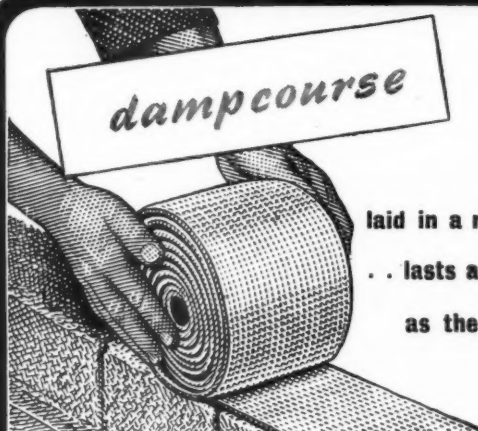
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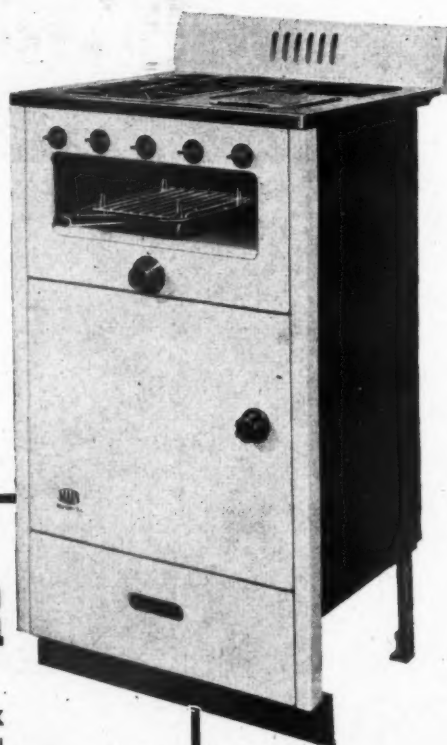
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**177**  
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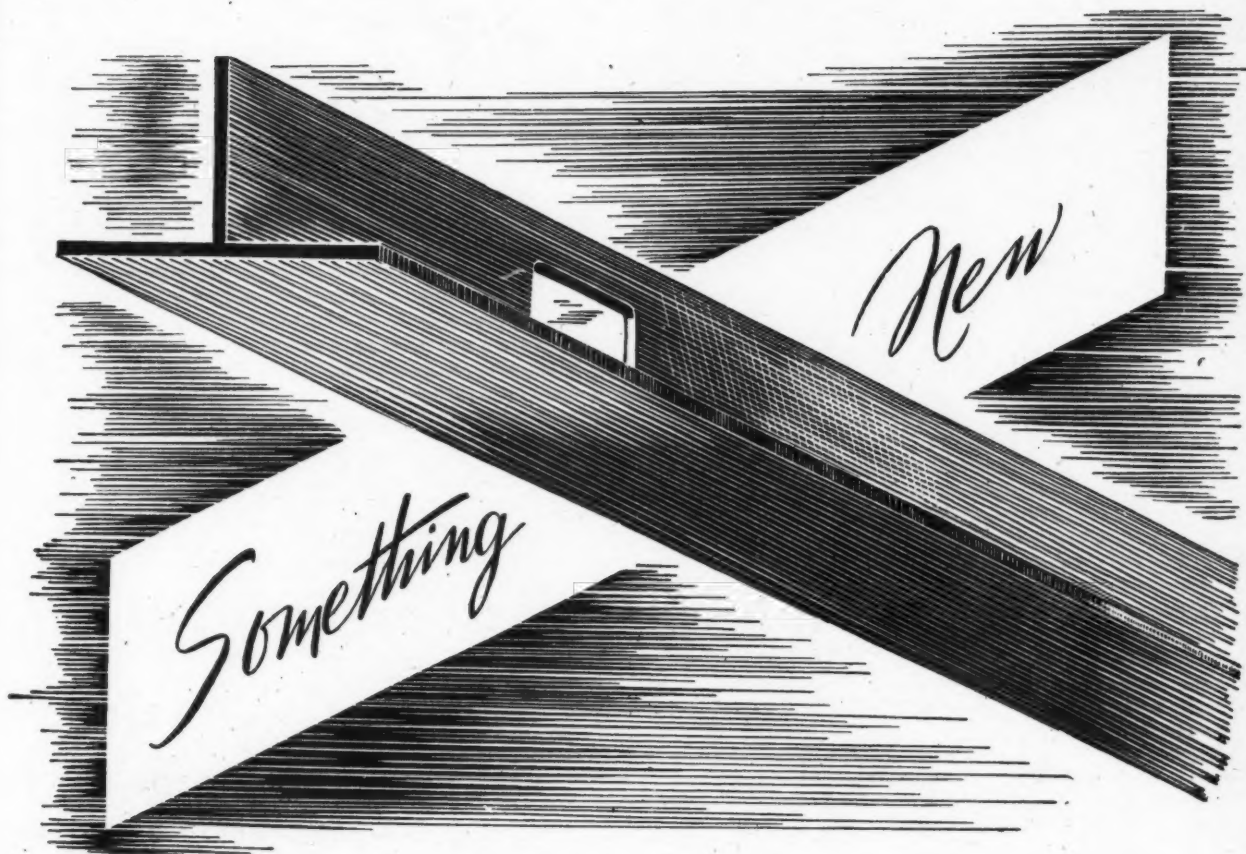
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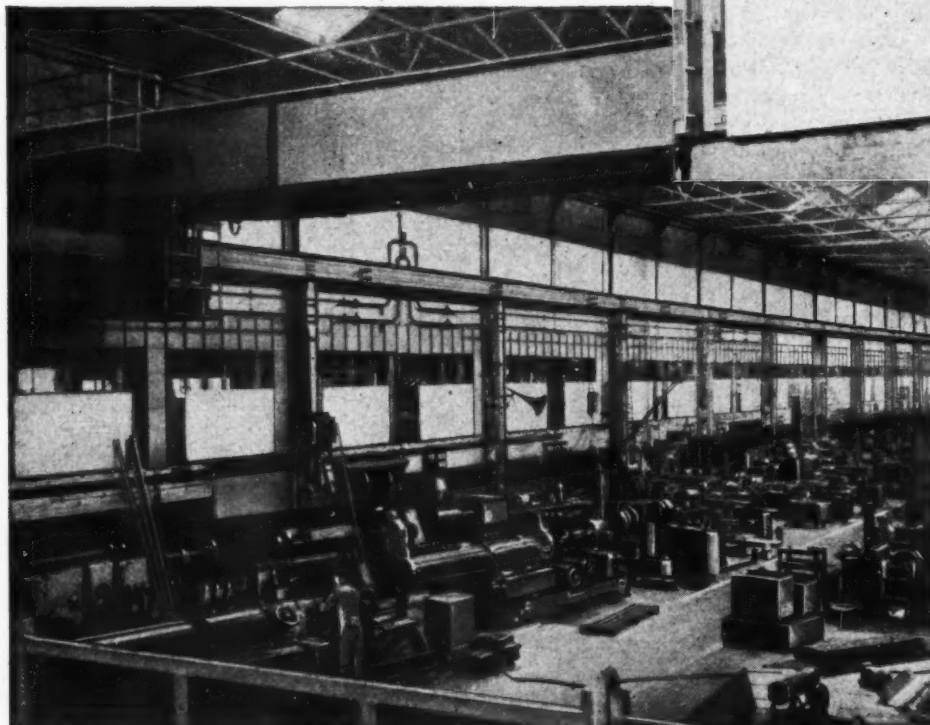
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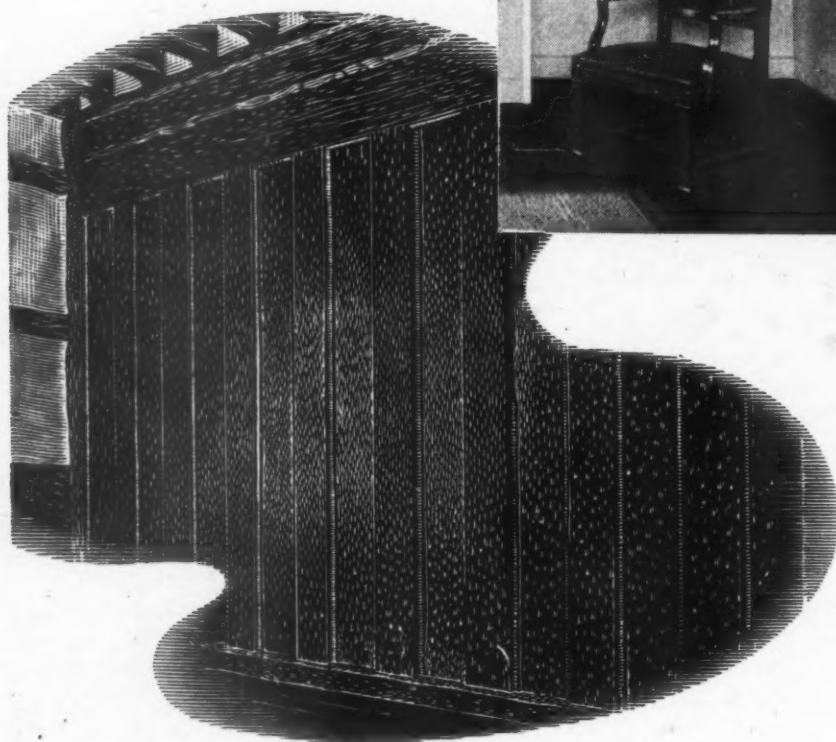
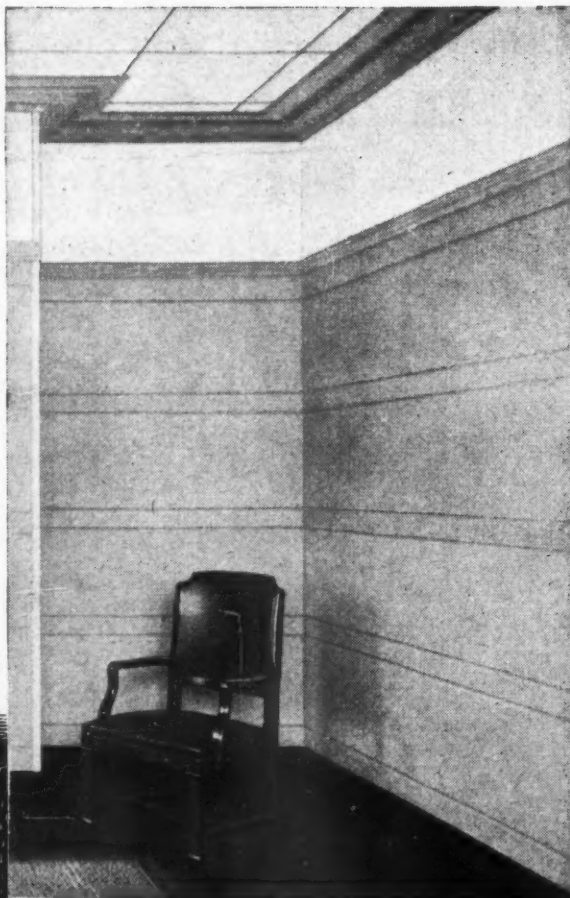
RC105



## TIMBER OLD AND NEW

Times have changed since a partition wall was built of solid oak or, maybe, chestnut boards adze-hewn and lapped over each other, with the edges chamfered to give a decorative effect. Timber is still used, but it is timber in new and processed form carrying its own decoration either by means of texture, colour or pattern, or by combination of all three.

The drawing of an existing partition wall in a manor house at Edenbridge, Surrey, erected in possibly the 14th century, contrasts with the photograph of a modern use of timber, partition walls of fibre boards, in this case Celotex.



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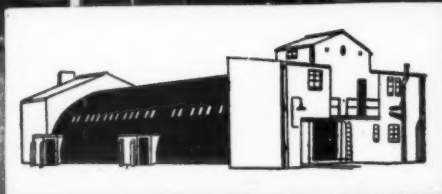
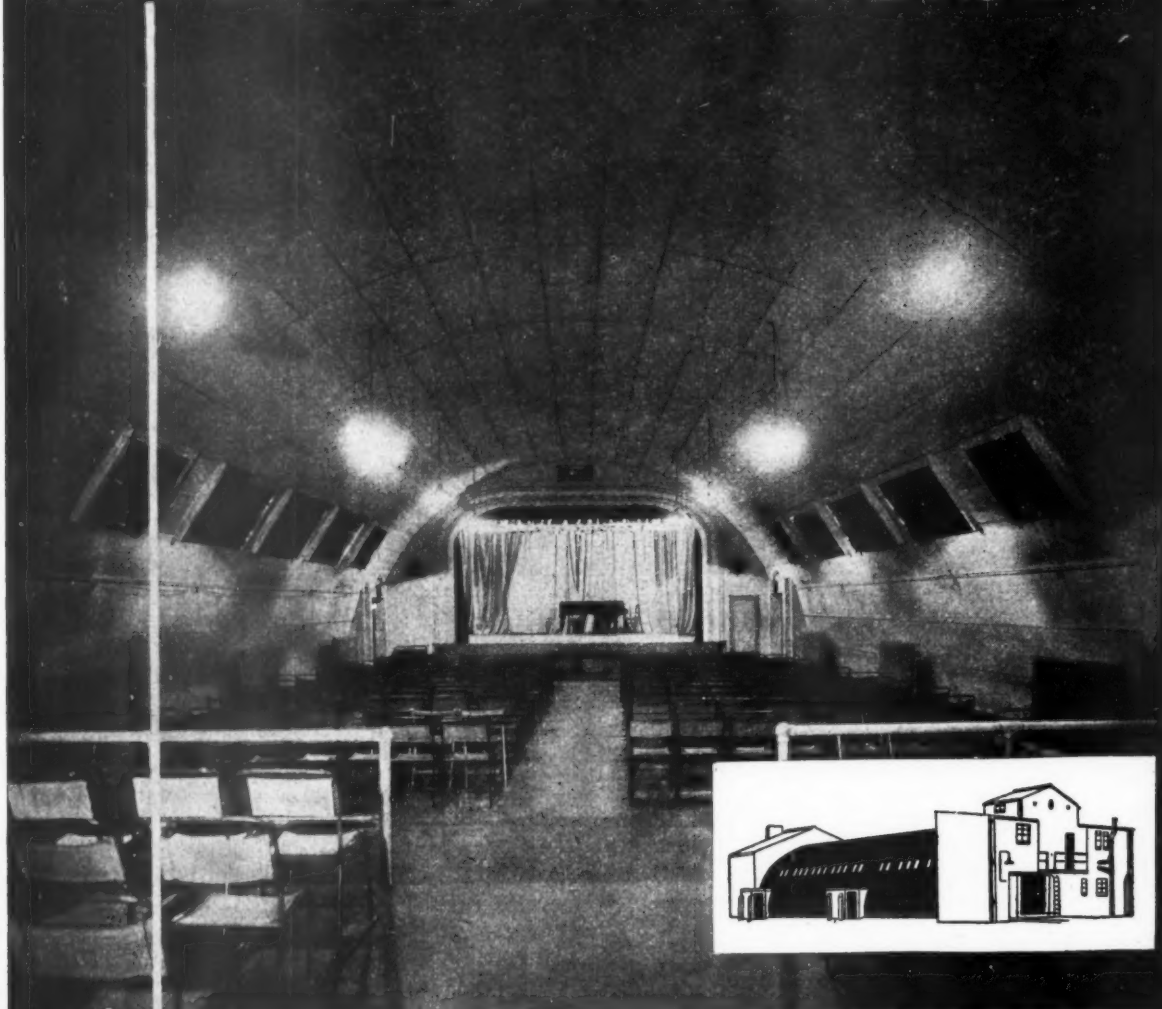
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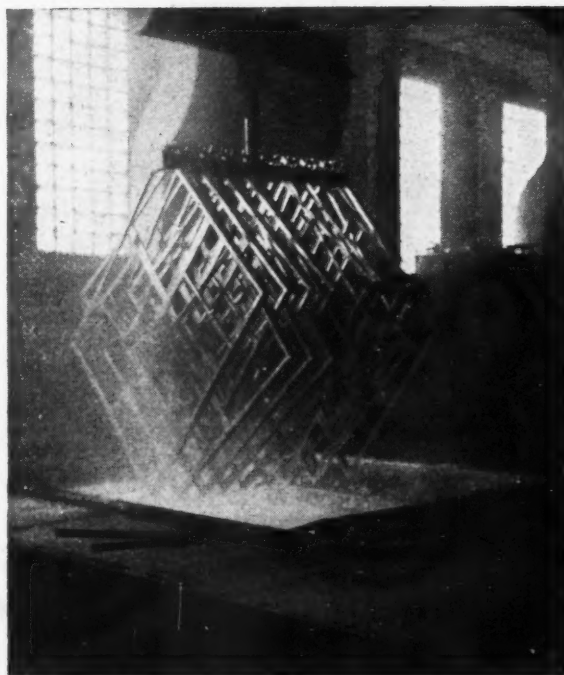
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Telegrams: Kentractor, Sidcup.







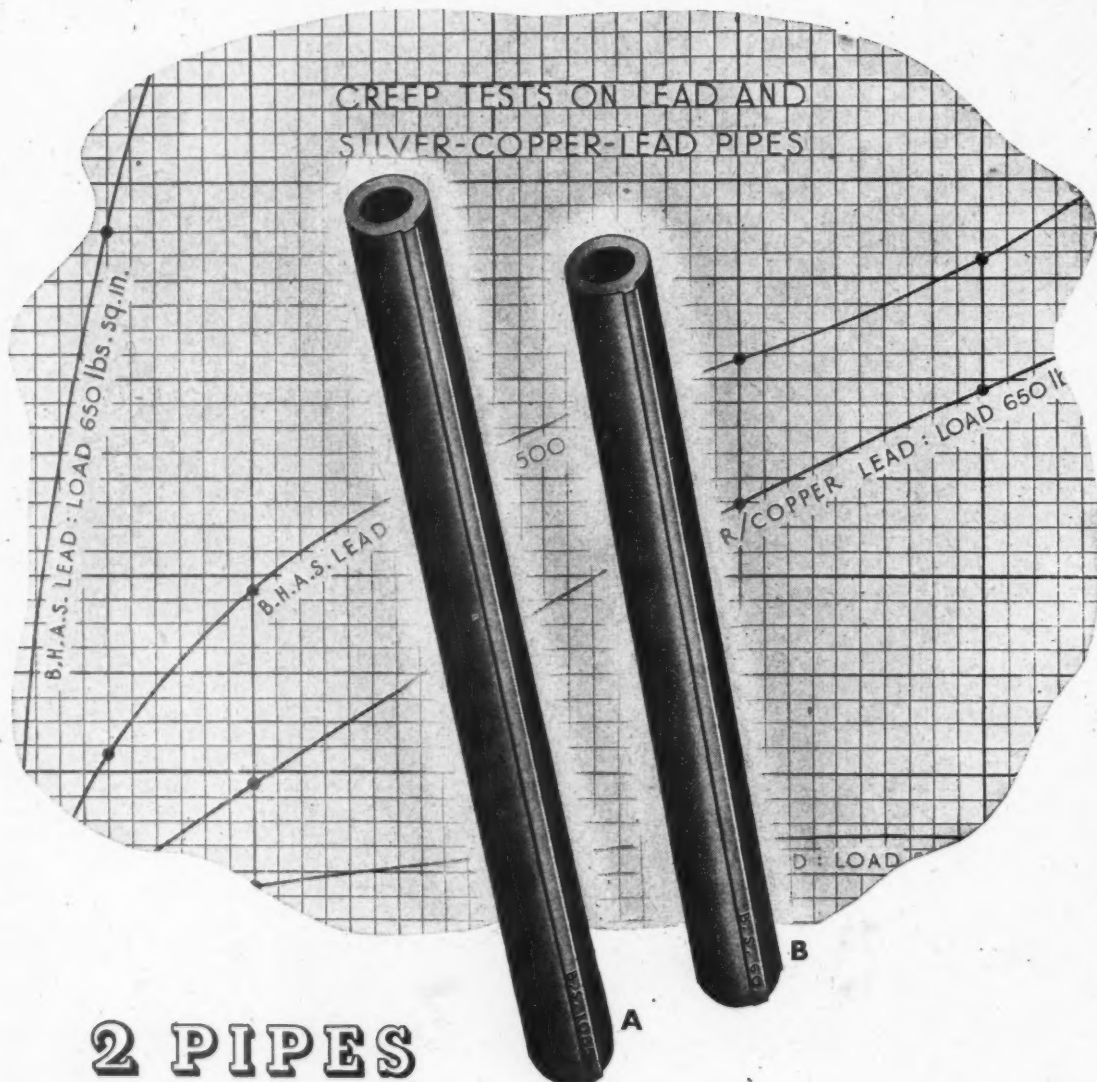
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**h**  
LEAD

The Technical Information Bureau of the Lead Industries Development Council, which exists to give assistance on problems relating to the use of lead sheet and pipe in building work, will be pleased to give advice on any questions relating to the present uses of the materials.

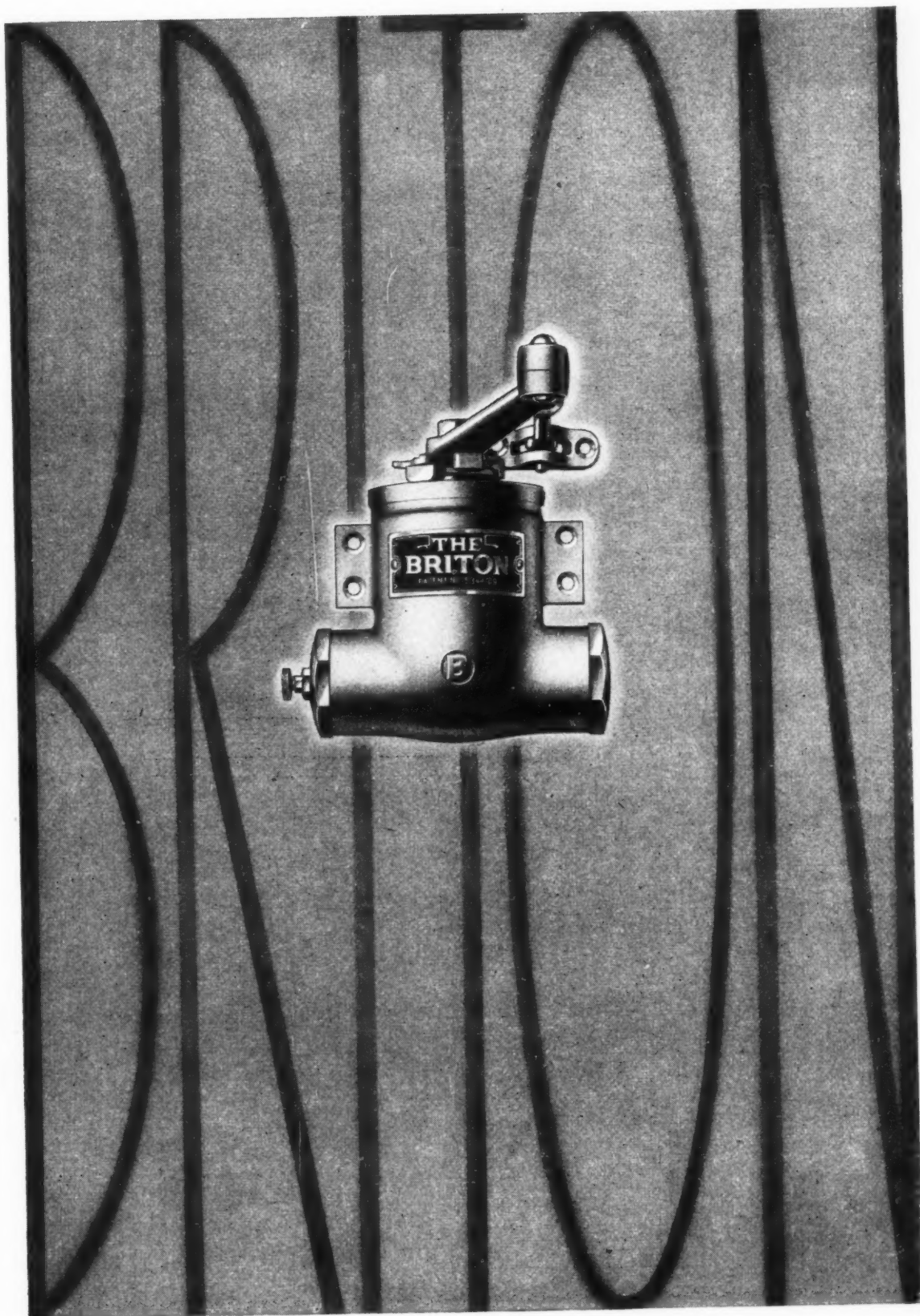
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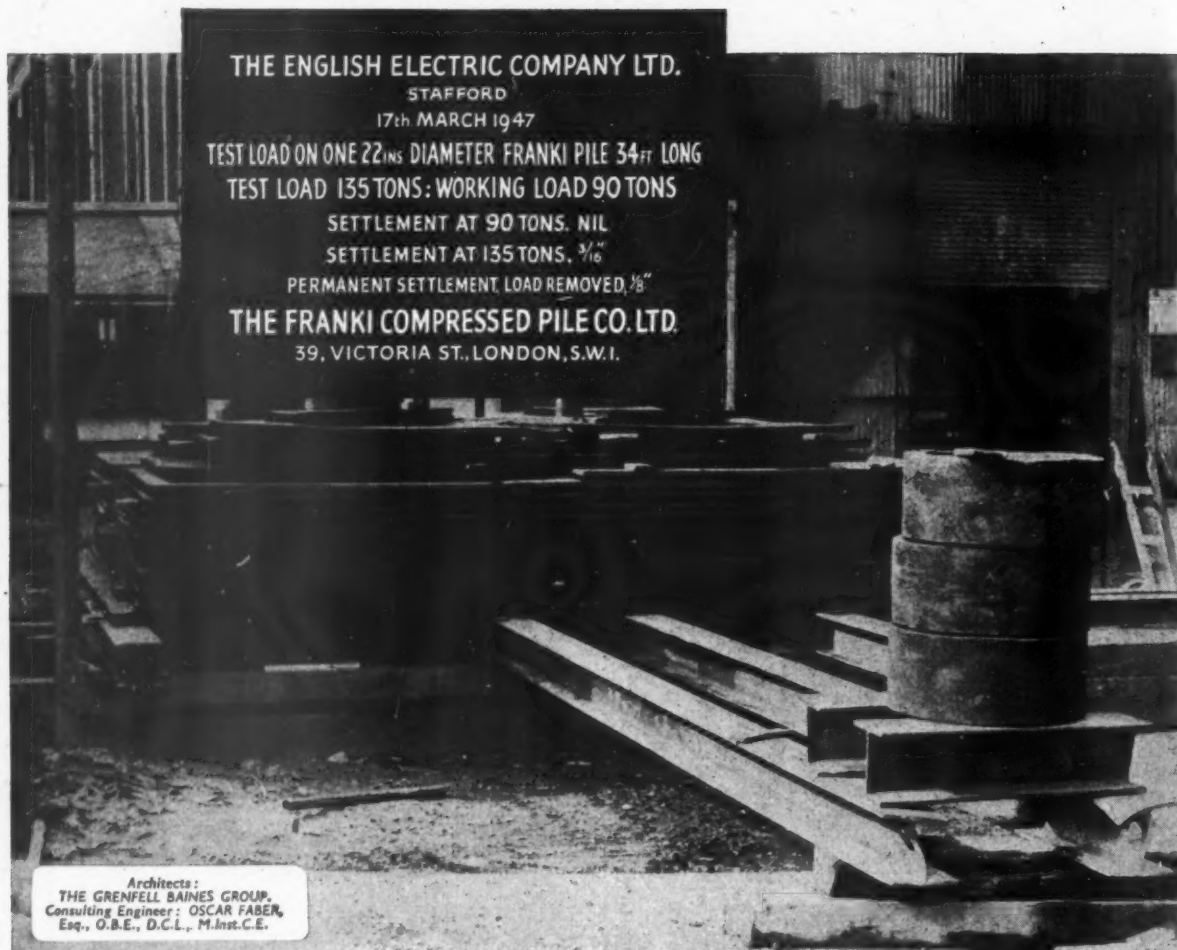
B44











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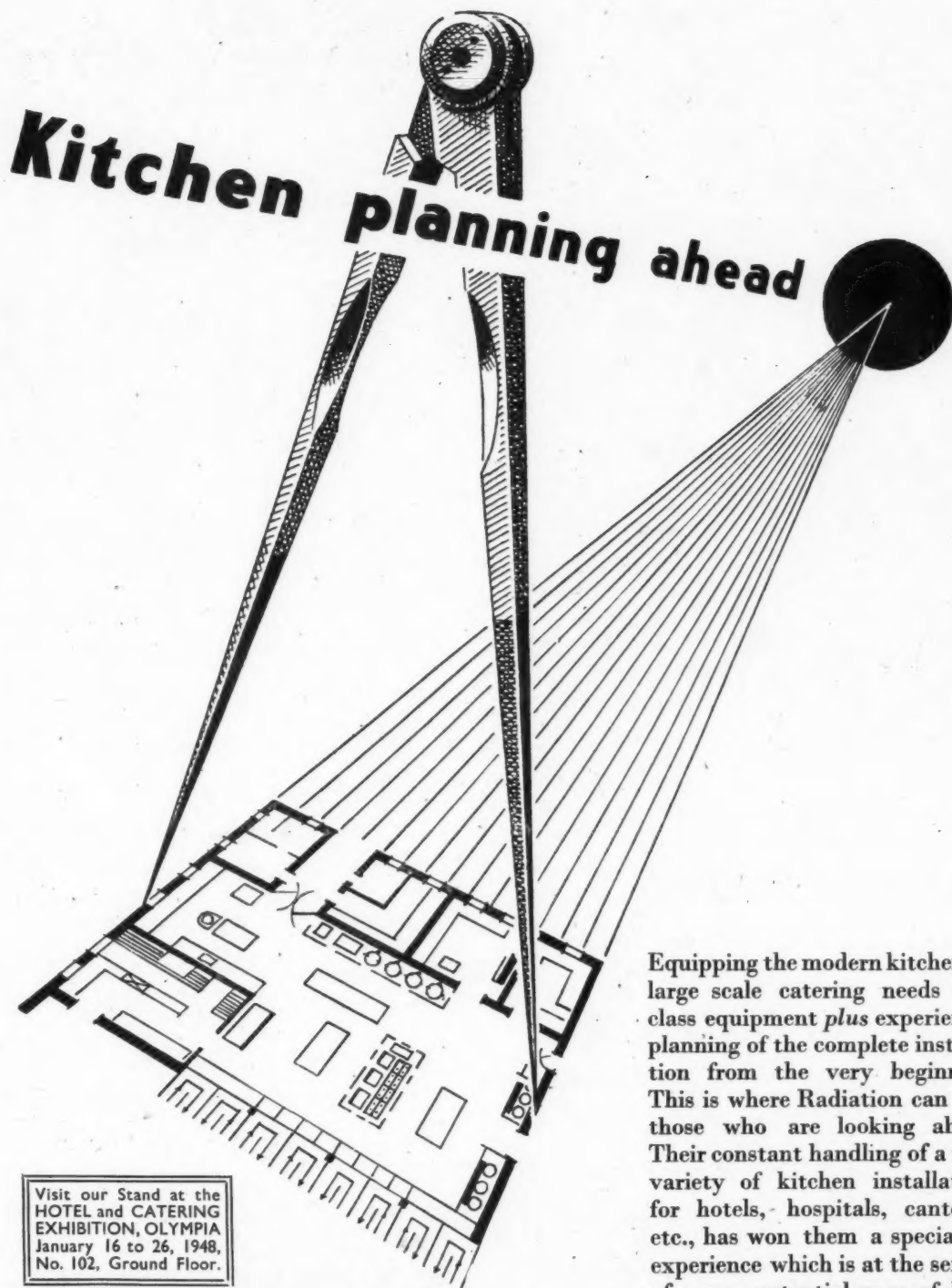
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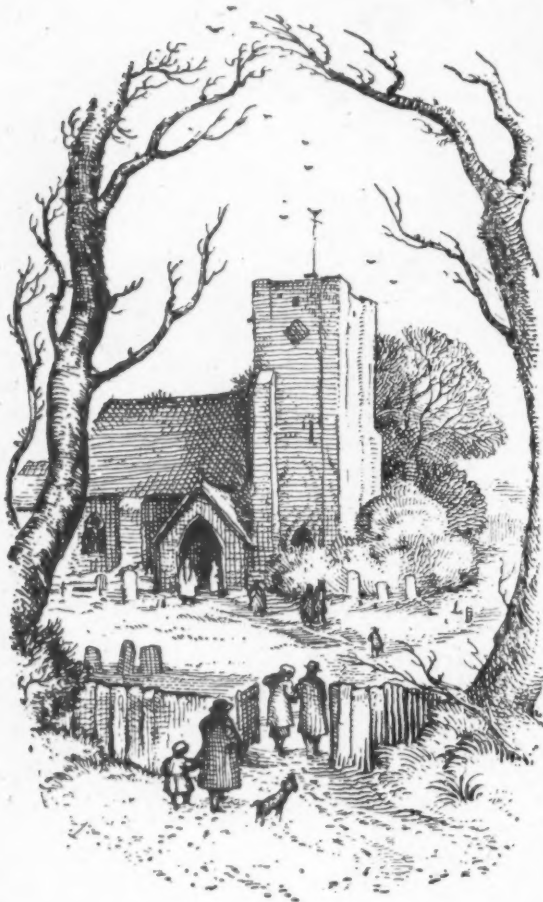
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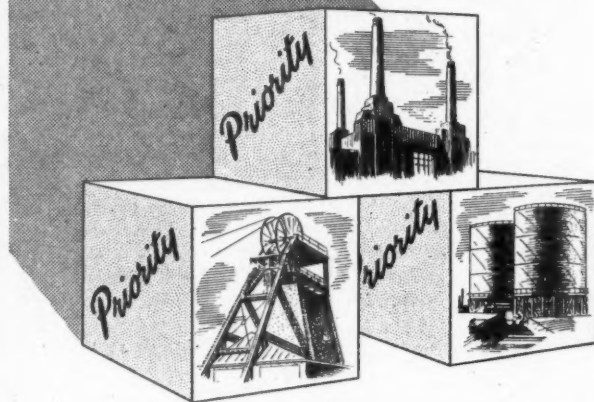


## December

December is balance month. The last few days of the year make heavy demands upon the staff of the bank, for every account is "balanced" and checked. Modern office methods, involving the use of mechanised book-keeping systems and of photographic records in accountancy, have reduced the time spent in searching for the proverbially elusive penny, but even so, hard work by every officer is required at "balance time". You will soon have an opportunity of studying the balance sheet of the Midland Bank; it is clothed in conventional form, but behind its figures lies the story of great achievements for customers large and small.

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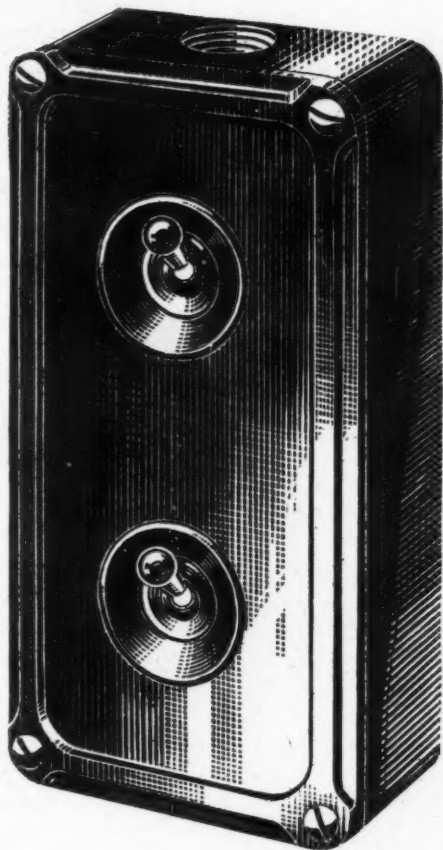
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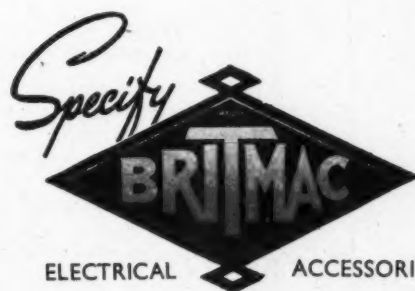
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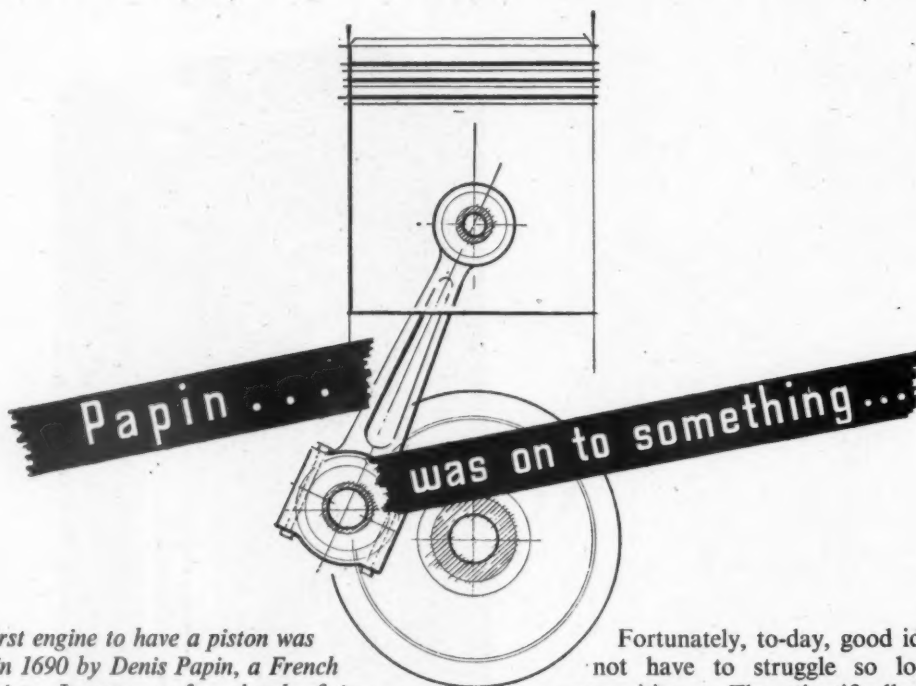
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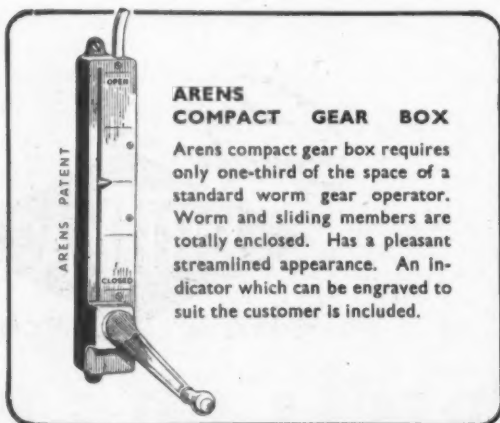
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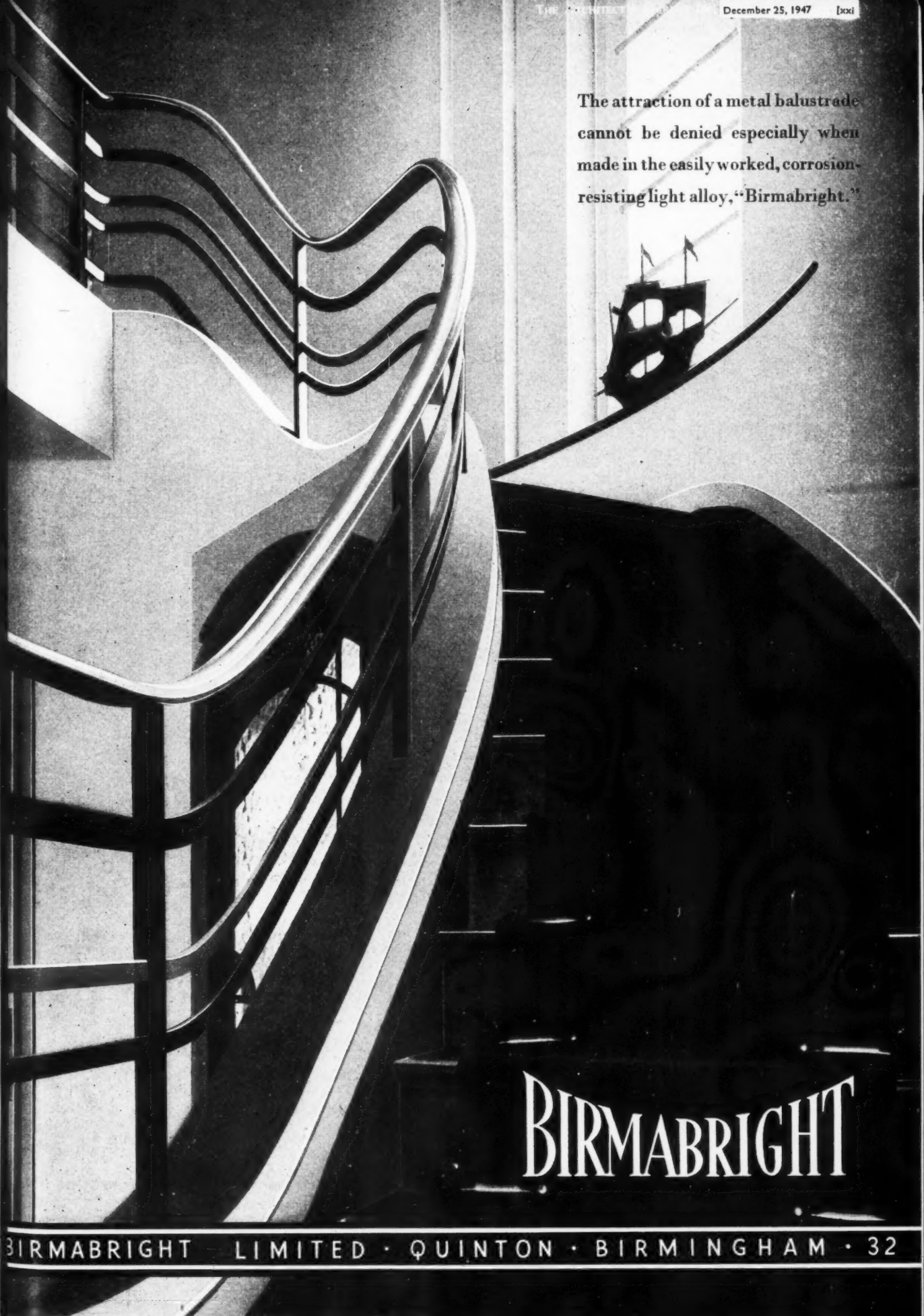
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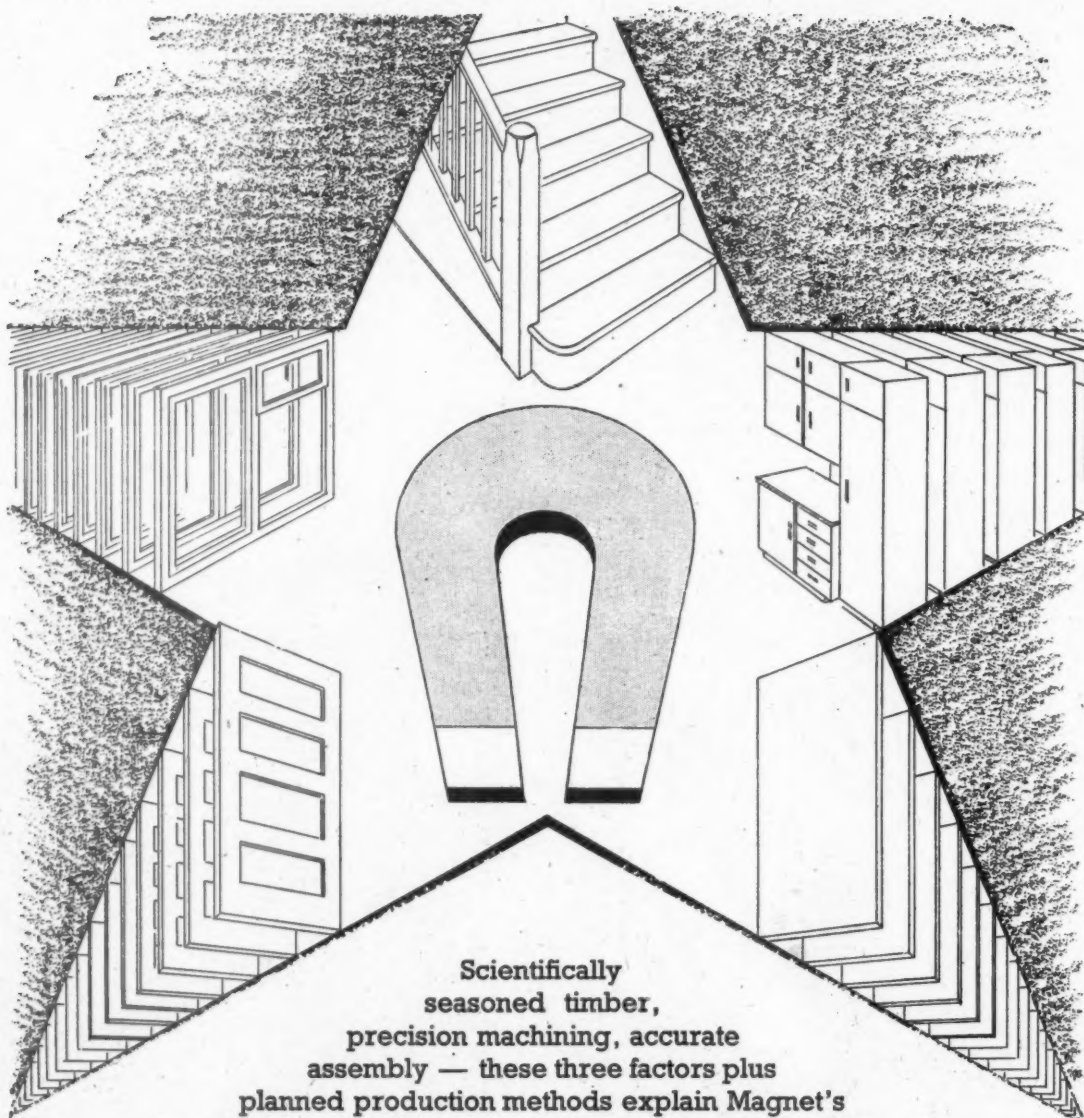






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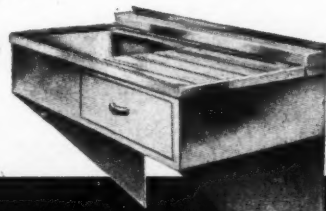
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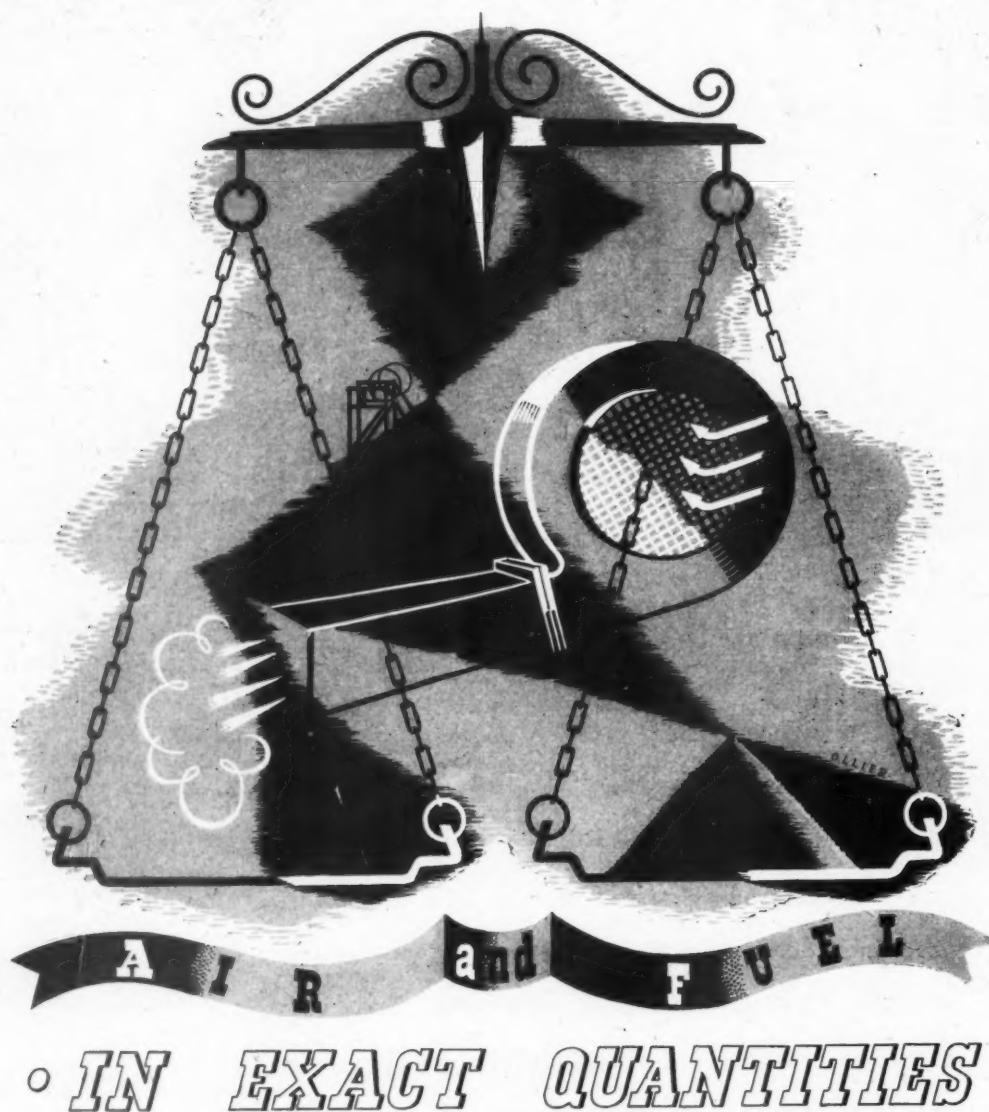
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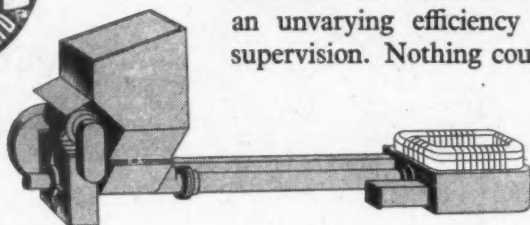
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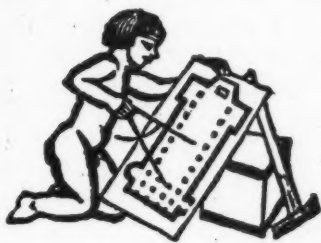






In common with every other periodical this JOURNAL is rationed to a small part of its pre-war needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the JOURNAL. Newsagents now cannot supply the JOURNAL except to a "firm order."

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## DIARY FOR DECEMBER JANUARY AND FEBRUARY

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 as given in the glossary of abbreviations on the front cover.

**CHIPPING NORTON.** *Exhibition: Ideas on Design in the Home.* Guide lecturer: G. Borchard. At the School House. (Sponsor, ACGB.) UNTIL JAN. 13

**LONDON.** *Publicity Parade.* An exhibition depicting the publicity services of the British Gas Council. At Gas Industry House, 1, Grosvenor Place, S.W.1. 10 a.m. to 5 p.m. Saturdays 10 a.m. to 1 p.m. UNTIL DEC. 31

Sir Thomas Bennett. *The Evolution of a New Town.* Ordinary General Meeting of the Royal Institution of Chartered Surveyors. At 12, Great George Street, S.W.1. 5.30 p.m. JAN. 5

*Exhibition of Art, Chiefly from the Dominions of India and Pakistan.* At the Royal Academy Galleries, Piccadilly. An exhibition of sculpture, painting, textiles, jewellery, furniture. 10-7. Sundays 2-7. Admission 1s. 6d. UNTIL FEB. 29

Richard Sheppard. *The Making of Architecture.* Christmas holiday lectures for boys and girls. Illustrated by lantern slides. In the Henry Jarvis Memorial Hall, RIBA, 66, Portland Place, W.1. Tickets free on application to the Secretary, RIBA. Envelopes should be marked "Christmas Lectures." 3 p.m. JAN. 5, 7 AND 9

*Hotel, Restaurant and Catering Exhibition.* A section will be devoted to hotel and restaurant design and construction. At Olympia. (Sponsor, Trade and Technical Exhibition, Ltd.) JAN. 16-24

*Building Contractors' Plant. The Problems Associated with Its Use.* A course of eight lecture discussions. Jan. 21, J. F. Eden, *Introduction.* Jan. 28, Sir George M. Burt, *The Contractor's View (i).* Feb. 4, W. Barker, *The Plant Manager's View (i).* Feb. 11, A. G. Raven, *The General Foreman's View (i).* Feb. 18, Howard V. Lobb, *The Architect's View.* Feb. 25, Norman E. Wates, *The Contractor's View (ii).* March 3, H. E. Hodgson, *The Plant Manager's View (ii).* March 10, A. G. Buck, *The General Foreman's View (ii).* At the LCC Brixton School of Building, Ferndale Road, S.W.4. 7.0 p.m. Wednesday evenings. JAN. 21-MARCH 10

**TORONTO.** *First Canadian International Trade Fair.* In the Coliseum. (Sponsor, Canadian Government Exhibition Commission.) MAY 31-JUNE 12

### COMPETITIONS

*Competition for War Memorial at Liverpool.* The Imperial War Graves Commission invites designs in competition for a memorial to be erected on the promenade at Liverpool to the Missing Naval Auxiliary Personnel of the Second World War. Open to architects who are ex-serving members of His Majesty's Forces. Assessor: Edward Maufe. Premiums: £100, £60 and £30. Last day for receiving designs, January 16. JAN. 16

*Royal National Eisteddfod of Wales Architectural Competitions, 1948.* Competition 192 for a county college. Competition 193 for a neighbourhood unit layout. Assessors: C. F. Bates and T. Alwyn Lloyd. Premiums: £50 in each case. Conditions and entry forms from Rev. W. J. Samuel, General Secretary, 38, Dunraven Place, Bridgend. Entries to be submitted between June 5 and 14. JUNE 5-14

## NEWS

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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. The JOURNAL's starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.

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

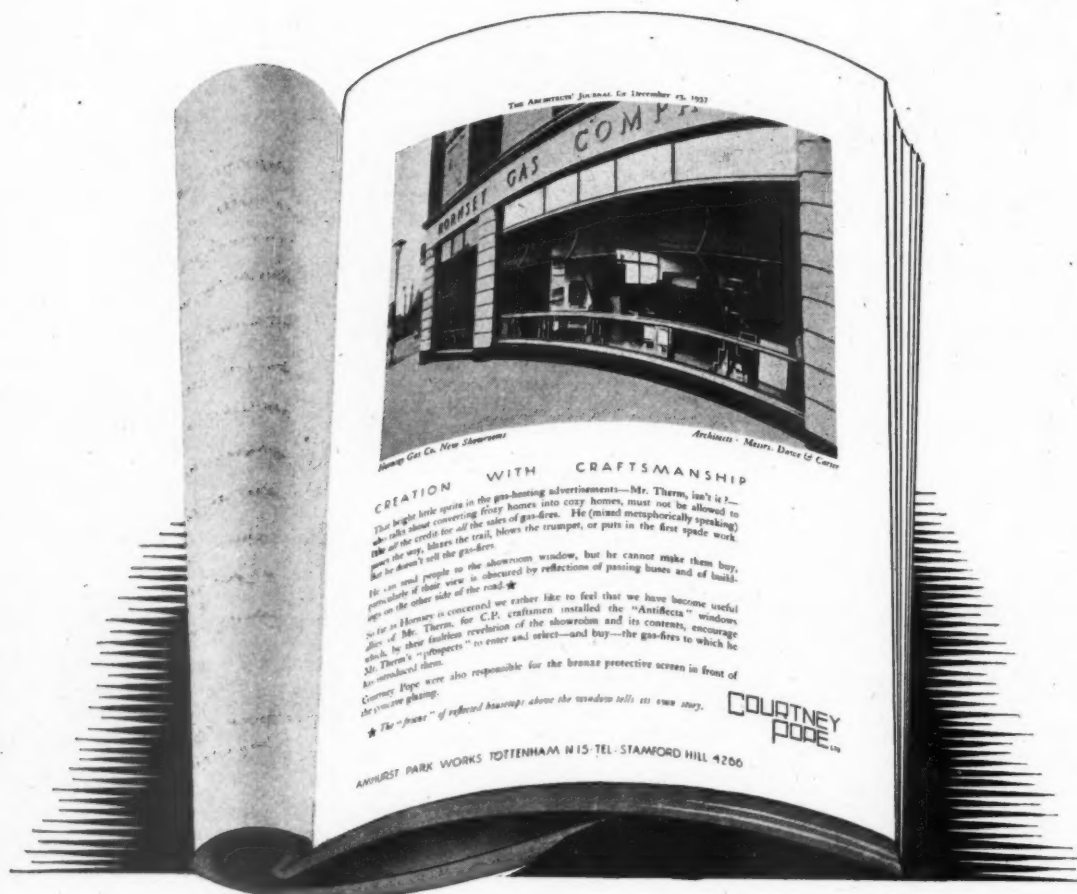
★★ means important news, for reasons which may or may not be obvious.

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



The first meeting of the Advisory Council on Building and Civil Engineering Research and Development at the Ministry of Works. From left to right: H. H. Montgomerie, Professor J. D. Bernal, Sir Charles Mole, Captain A. M. Holbein, Dr. F. M. Lea, Sir Harold Emmerson (Chairman), Sir George Gater (Vice-Chairman), B. Sandcock and R. Coppock. See news note on page 553.

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## From AN ARCHITECT'S Commonplace Book

**FASHIONABLE SANITATION.** [From *The English Seaside*, by H. G. Stokes (Sylvan Press).] This rather sordid chapter in the history of seashores was followed by one well sprinkled with unconscious humour. The hunt of Hygeia was on; drains, sanitation, water supply, suddenly became the rage. Hotels which had hitherto advertised their cuisine or accommodation now boasted of their lavatories. Later they boasted of their bath, singular at first, but plural when it was found that visitors liked baths; and so to the present day when "running water in all rooms" is the battlecry. In the true manner of reformed characters the resorts themselves also gave the widest publicity to their sanitation arrangements; guide books described even the sewage farms, and it is at least possible that the great sewers running out to sea (though some of them soon tired of the journey) were made more conspicuous than need be simply to advertise that the town had turned over a new leaf.

★★

*The appeal of objectors against the decision of Mr. Justice Morris who had dismissed their application to have the CRAWLEY NEW TOWN (DESIGNATION) ORDER, 1947, quashed, has been dismissed.*

★★

*Twenty-four visitors arrived from 11 countries to take part in the celebrations organized to mark the CENTENARY OF THE ARCHITECTURAL ASSOCIATION.*

Among the visitors were Le Corbusier (France), Ahlberg (Sweden) Professor Hofmann (Switzerland), Krejcar (Czechoslovakia) van der Steur (Holland), and Professor Thomsen (Denmark). The centenary exhibition, which was part of the celebrations, was opened at 36, Bedford Square by Sir Ernest Pooley, chairman of the Arts Council. It occupies a large part of the first floor and is designed to illustrate the part the association has played in British architecture during the past 100 years. The library has been converted by Mr. Colin St. Clair Oakes into an elegant gallery in which are displayed reproductions of the work of architects who were presidents of the association between 1847 and 1900. Other rooms contain photographs and models of the work of presidents of the association and principals of the school since 1900 and an exhibit summarizing the social side of the association's activities. There is also a display of recent work by students in the School of Architecture. The exhibition will remain open till January 7. In the evening the president and council of the Association held a reception and dance at the Royal Institute of British Architects. The president (Mr. Howard Robertson) and Mrs. Robertson received the guests, who numbered more than 700. See *Astragal*.

★★

*The members of the NEW ADVISORY COUNCIL ON BUILDING AND CIVIL ENGINEERING RESEARCH AND DEVELOPMENT announced by the Minister of Works in the House of Commons are:*

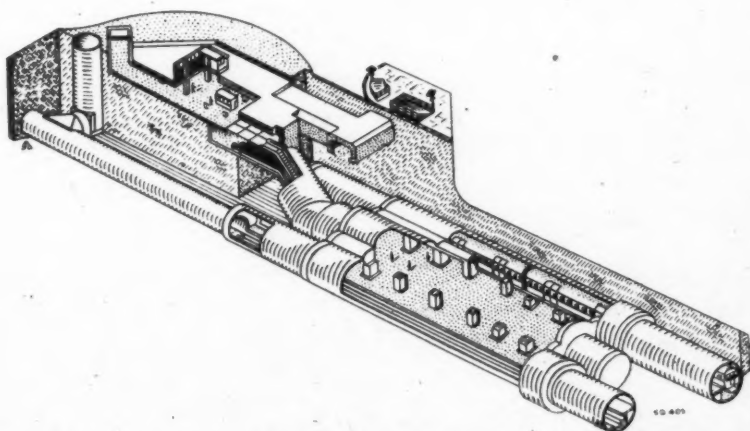
Chairman, Sir Harold Emmerson, Permanent Secretary, Ministry of Works; Vice-Chairman, Sir George Gater, Chairman of the Building Apprenticeship and Training Council; Professor J. D. Bernal, Professor of Physics, Birkbeck College, University of London; Professor H. V. A. Briscoe,

Professor of Inorganic and Physical Chemistry, Imperial College of Science and Technology, University of London; D. N. Chester, Nuffield Fellow (Economist); H. E. Comben, Builder and Contractor, Harrow; R. Coppock, General Secretary, National Federation of Building Trades Operatives; C. T. Every, Chartered Quantity Surveyor; L. Fawcett, General Secretary, Amalgamated Union of Building Trade Workers; Captain A. M. Holbein, Civil Engineering Contractor, London; T. C. Howitt, Architect; Sir Lancelot Keay, President of the Royal Institute of British Architects; A. Lamond, Constructional Engineer; Professor C. A. Mace, Professor of Psychology, Birkbeck College, University of London; Professor J. M. Mackintosh, Professor of Health, University of London; L. J. Murdock, Civil Engineer; W. T. Porteous, Builder and Contractor, President of the Scottish National Building Trades Federation (Employers); B. Sandercock, Vice-President National Federation of Building Trade Operatives; E. J. Smith, Builder and Contractor, Cardiff, President of the National Federation of Building Trades (Employers); Professor W. N. Thomas, Professor of Engineering, University of Wales (Cardiff); Guthrie Wilson, Civil Engineer; Dr. F. Yates, Statistician, Rothamsted Experimental Station; Professor S. Zuckerman, Professor of Anatomy, Birmingham University. Assessor Members are from the Ministry of Education, Ministry of Fuel and Power, Ministry of Health, Department of Health for Scotland, Department of Scientific and Industrial Research, Ministry of Works. See photograph on page 551 and *AJ*, December 18.

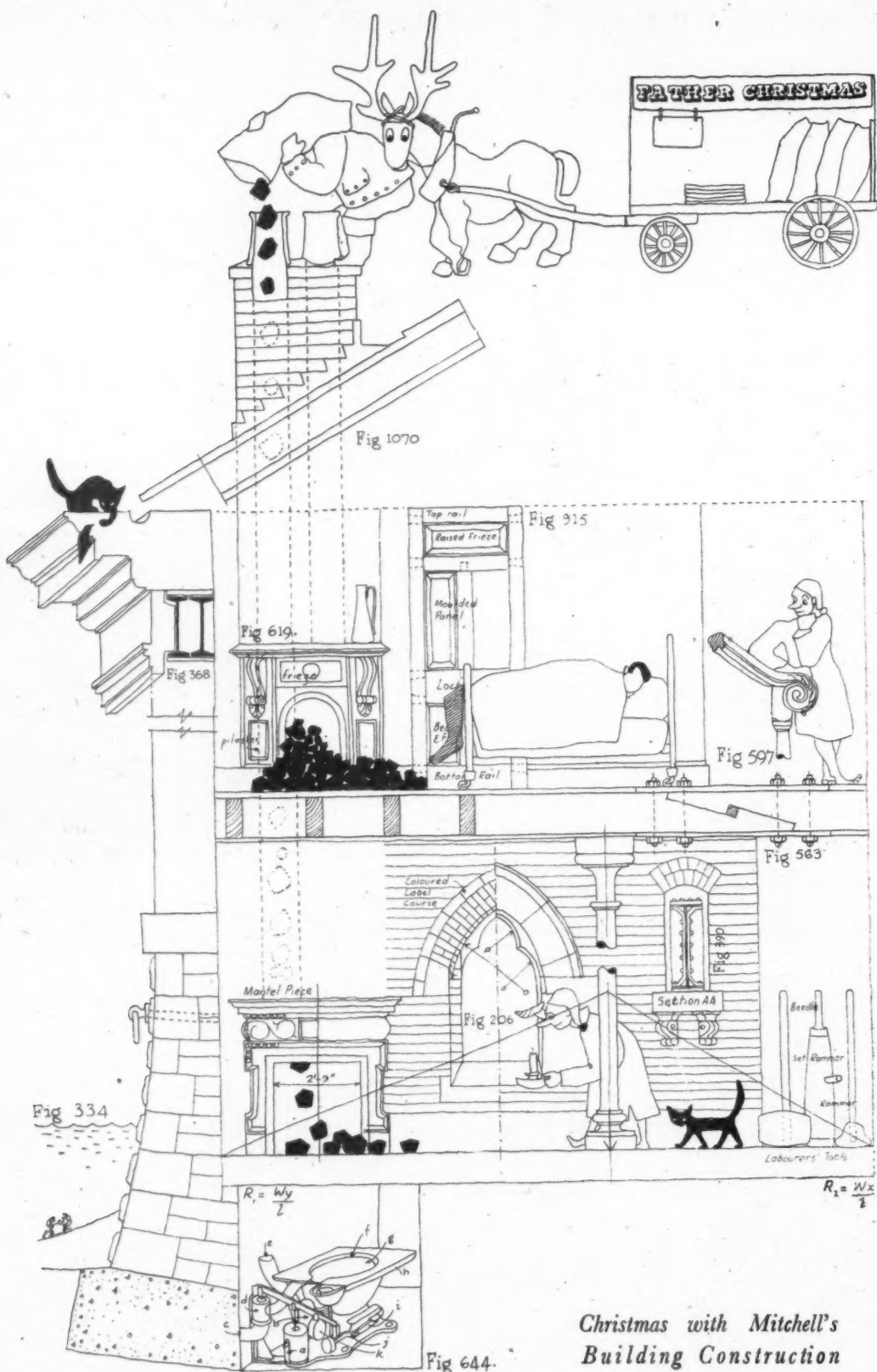
*Because of ill-health SIR THOMAS BARLOW HAS RESIGNED the chairmanship of the Council of Industrial Design. He is succeeded by Dr. R. S. Edwards, a director of the Co-operative Wholesale Society, who has been a member of the council since its formation in 1944.*



*A corner of the new refreshment and waiting rooms at Fenchurch Street Station. This is the first to be completed under the LNER's general catering improvement scheme. See *AJ*, December 4.*



*Cut-away drawing of the new Gants Hill Station on the Newbury Park Tube line showing the platform, concourse hall 150 ft. long with a 20-ft. domed roof supported on 16 tiled columns. Gants Hill is one of three new stations on the LMS Central line extension opened recently from Leytonstone to Newbury Park. The concourse is the largest deep level structure of its kind in the country.*



Christmas with Mitchell's  
Building Construction

To all our readers :

A Merry Christmas and a Prosperous New Year



A plaque commemorating the award of the Nottingham, Derby and Lincoln Architectural Society's Bronze Medallion to William H. Hamlyn for the LMS Railway's Derby School of Transport, deemed the best building erected in the three counties between 1937 and 1946. It was unveiled by Sir Robert Burrows, Chairman of the LMS. A photograph of Mr. Hamlyn's building appeared in our issue for Sept. 4.

*The twenty-seventh annual REPORT OF THE FORESTRY COMMISSIONERS states that a further 51,575 acres of land have been acquired through the Forestry Fund, bringing the total to 1,415,000 acres. This area included 866,000 acres of forest land, planted or yet to be planted, and 549,000 acres of "other land." There were 10,448 acres planted or sown, 18 acres naturally regenerated, and 126 acres underplanted, compared with 6,510 acres planted and sown, 14 acres naturally regenerated, and 97 acres underplanted in 1944-5. The importation of spruce logs from Germany during the spring and summer of 1946 led to the discovery that many of the logs were imperfectly barked and carried large numbers of larvæ and adults of a small bark beetle which is a serious pest in Continental spruce forests, but from which Great Britain has hitherto been immune.*



Altar for the Crypt Chapel, Guildford Cathedral designed by Edward Maufe and executed by Heal and Son, Ltd. The altar table is in oak; the riddle posts are decorated in gold, red and blue; the dorsal and riddle curtains are in blue chevron linen; with red linen loops; the frontal is on red linen with the Dove in gold embroidery and gold material appliqué; the cross and candlesticks are in gilded mahogany.

## COUNT OUR BLESSINGS

**S**OFTENED by Christmas good feeling like Scrooge, this week we draw attention to some of the advances recorded in this country since the end of the war. It is particularly necessary to remember these achievements as the present economic difficulties may obscure them and indeed, unless vigilance is observed, they may be not only forgotten, but altogether lost.

Since traffic with Europe has been restored, there has been a continual stream of experts from ministries of reconstruction in Western Europe to the Ministry of Town and Country Planning, the Ministry of Works, and the Ministry of Health to examine planning legislation, to study plans of pre-fabricated houses, to inspect houses under construction, and to investigate housing plans and achievements.

This, of course, does not mean that the visitors were filled with admiration for all the works they saw, but many reports in many countries have recorded that to Britain goes the palm for achievements in post-war planning legislation, housing and the provision of schools.

Let us look at the major developments one by one. First, there is the Town and Country Planning Bill of 1947, which, though incomplete, as no provision is made for a comprehensive plan of national development, lays down a rational basis for the development of town and countryside, and for the first time recognises the social necessity of balanced communities. Next, the New Towns Bill provides for four large scale experiments in the creation of new urban communities. Here a solution is advanced for the problem of our over-grown life-destroying urban congeries, that will, if successful, have repercussions throughout the world where the sterility of unregulated anarchic urban proliferation is becoming daily more obvious. The new towns will be dominated by the idea of the human individual, and not the traffic problem, the estate pattern, site economy, or return on land values that have so far been the major pre-occupation of planners.

The work of the Chief Scientific Adviser's Department of the Ministry of Works has produced much valuable information in building methods and technique, not least in the realm of factory mass-production. If most of this experience is of a negative nature, it is none the less valuable for that. The search for economy, and more satisfactory standards continues, and though it is quite legitimate to hope for a more rapid publication of the lessons learnt, there is much of value available. The programme of temporary housing provided accommodation at a rate that could have been achieved in no other way.

In spite of reductions in capital expenditure for 1948, the greater part of the educational building programme for next year will be carried through. Great strides have been made in the development of unit construction systems for schools, and some outstanding achievements by the Hertford and



Essex County Councils have been illustrated in this JOURNAL. The operational school building programme for 1948 will be achieved and will show further developments in design and technique.

Architects in Great Britain have much to their credit and the achievements recorded above are due in no little measure to the efforts of the profession. Let us then not forget the hard course we have already run, and, at this time, when it seems that fresh trials await the architect, determine that what is well begun is only half done and determine to fulfil the hopes of those who need our services.



*The Architects' Journal*

9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1

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

## THE CELEBRATIONS AT BEDFORD SQUARE

The striped awning over the pavement outside the AA's front door indicates the gay and festive atmosphere the visitor may expect inside. And he is not disappointed. For the centenary exhibition the library has been transformed into a magnificently elegant gallery and, incidentally, has had about forty years taken off its age; for the yellow and white striped panels that disguise the bookshelves, the crystal chandeliers and the slender furniture combine to give it a definitely Regency character. It is all very fresh and lively. The architect to the exhibition, Colin St. Clair Oakes, who is also a year master at the AA school, has scored a triumph.

The library is the setting for the first part of the exhibition, a display of enlarged engravings of the work of AA Presidents between 1847 and 1900 which

is at the same time a survey of the militant styles of Victorian architecture, so closely concerned was the AA with general architectural development. The Members' Rooms show the work of Presidents and Principals since 1900—equally ingeniously displayed, this time by means of photographs and models. On the same floor is a more intimate exhibit—called the AA Scrapbook—which charmingly summarizes the social side of the AA's history, its pantomimes, outings, conversaciones and the like. The highlight of this room is the very ingenious paper sculpture by means of which William Stevenson (ex-Art Master) portrays the different premises the AA has occupied during its history. Visitors should not miss the well-selected exhibition of students' work on the floor above.

I myself inspected all this on Wednesday of last week while the President was receiving the AA's distinguished foreign visitors in the dining-room beneath, and the buzz of conversation left no doubt that this was regarded as a jolly social occasion, not as a mere for-

*The centenary exhibition at the AA covers the work of the last hundred years. Right is the library on the first floor immediately before the press reception. Forming one section of the exhibition it is devoted to the work of Past Presidents from 1847 to 1900.*



*Howard Robertson welcoming Professor Thornton White (S. Africa) at the reception of delegates at Bedford Square during the centenary celebrations of the Architectural Association.*

mality. Later I joined the crowd and saw a very full gathering of members of the Council talking to Prof. Thomsen from Denmark, Pierre Vago from France, Krejcar from Czechoslovakia, Prof. Hoffman from Switzerland and Ahlberg from Sweden—among many others. They were to be seen again at the evening reception at the RIBA, which produced the most impressive gathering of architects for years. It was delightful, too, to see Tha-Tun, an AA student of twenty-five years ago, who has come from Burma for the centenary, and Prof. Thornton White, whom I find it hard to class as a foreign visitor. Though he is now a professor in South Africa, it seems but a little while ago that he was teaching at the AA itself.

The most famous visitor of all—Le Corbusier—had not arrived for the morning ceremonies, but he turned up later, having come at the special invitation of the students. It was bad luck that the talk he gave them the follow-





ing day had to coincide with the commemoration service at St. George's, Bloomsbury, so that while the older members were giving thanks for the AA's past hundred years, the younger ones were tempted to stay behind and get ideas for the next hundred. But with so busy a programme this was unavoidable. As it is, one can only admire the ingenuity of the organizers who sandwiched a reception at the RIBA, a gala performance of the pantomime and various excursions and dinners in between the events I have already mentioned to make a week of festivities that will be remembered until the next celebrations are due a hundred years from now.

\*

Corbusier was in fine form for his talk and, as can be imagined, the lecture rooms were crammed with students. Some half-dozen or so priceless sheets of the master's coloured analyses of contemporary architecture and planning, not forgetting the UN headquarters, were dashed off with the accustomed verve, and red, blue, black, brown and green chalks.

\*

It's Christmas Day to-day and I refuse to write another word on the AA; it's my own one-man, one-day strike. Another instalment next week.

#### FOR THAT BOOK TOKEN

Another classic from Le Corbusier's pen will surely be a Christmas purchase for many of the hundreds of students who listened spell-bound to his discourse last Thursday. *The City of Tomorrow\** has just appeared as a new facsimile

\*The City of Tomorrow, by Le Corbusier. The Architectural Press. 15s.



Rex Wailes's Christmas Card from a drawing by the late Thomas Hennell. See Astragal's note above.

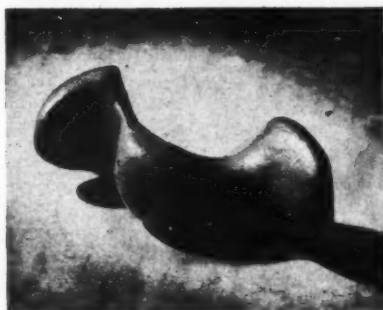
edition, after having been long out of print. This book and *Towards a New Architecture* form the original twin pillars of *l'équipement de la Civilisation machiniste*.

#### HERE'S WIND IN YOUR SAILS

The Christmas card reproduced below was received from Rex Wailes, who is probably the greatest living authority on windmills. The drawing is by the late Thomas Hennell, and is of a French mill in the Département du Nord. It was done in 1944 while Hennell was in the Army and based on St. Omer. I understand that Wailes is doing a book on windmills, to be called *Windmills in England*, which will be published by the Architectural Press in Spring, 1948.

#### WHAT AND WHY?

The Object illustrated on this page arrived on Astragal's desk last week. What is it, and where did it come from? No prize is offered for the right answer, but if you get it you'll have given your imagination some valuable exercise.



The Object, by the way, doesn't smell and hasn't exploded—so far.

ASTRAGAL



## LETTERS

G. L. Crook, A.I.A.A.

David G. Felce, A.R.I.B.A.

Patrick Tetley, A.R.I.B.A.

### Private Architects and County Authorities

SIR.—In private practice to-day, the relationship between the Architect and County Authorities is becoming increasingly confusing and menacing; and while good relations are essential, we find it impossible to assess the exact point where the duties of the private Architect cease and the Authorities take over, in order to replan and redesign the schemes already fully considered by qualified and professional men.

Arising out of this question are the following points, in answer to which we would appreciate full and clear advice from both sides.

1. When designs are passed by Authorities "subject to the following conditions" (which include arbitrary comment both in planning and design): What is the attitude of the Authorities, should the Architect, considering the suggested amendments contrary to his training and desires, ignore them?
2. Have County Authorities or Town Planning Authorities the right to dictate Architects' designs in relation to schemes intended for development over the next 15 to 20 years?
3. In cases of indirect persuasion through the power of Public Authority, is there any means of arbitration between the Authority's Architect and the private Architect in matters of planning and design?

Naturally, we fully recognize the right of the County Authority to enforce Regulations and Bye-laws generally; but it is becoming apparent that, should the tendency for such Authorities to attempt to influence planning and design develop unchecked, the individuality of our architecture, at present under the forced control by County Authorities and in the future as a result of this period, will disappear, causing the reduction of private Architects to the rank of draughtsmen and the general decline in architectural merit due to "too many cooks."

G. L. CROOK,  
DAVID G. FELCE,  
PATRICK TETLEY

London.

## STUDENTS' EVENING OUT



The AA tradition of the students' pantomime was resumed this centenary year with an allegorical fantasy *Hey-Hey! That's My Baby* based on the first hundred years of the Architectural Association. The centenary theme provided a backcloth against which the characters, as symbols of architectural history, worked out a typical pantomime plot. The show was staged in the Henry Jarvis Memorial Hall at the RIBA. Our pictures were taken on the first night after which followed the students' dance at 34, Bedford Square. Top left, the christening of the baby (symbolic of the AA) in the last scene of the first act. From left to right, the Queen (Uta Peusner), the fairies (John Roebuck, Sandy Barrie, Bill Thomas, Annette Brown), and the wicked fairy (Charmian Lacy); top right, last minute preparations by Anthony Abbott (decor) and Jeremy Fry (sets); centre, the telegraph boys (Ian Grant, Brian Adams, John Roebuck) delivering message to A. Prentiss, Esq., draughtsman (symbolic of founder of the AA), (Derys Hinton); bottom left, the programme sellers, Jennifer Dimoline and Heather Herman; right, the drummer of the AA band (Peter Ney), which supplied the music; right, after the pantomime an all-night dance at Bedford Square.



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## DRAUGHTSMANSHIP | RENDERING

I.B48

The Architects' Journal Library of Information Sheets 25. Editor : Cotterell Butler, A.R.I.B.A.



## 1.B48 ARCHITECTURAL PERSPECTIVE IN GOUACHE

### General

This Sheet, the fourth to be published in a series on draughtsmanship, has been drawn by Gordon Cullen to illustrate the technique of rendering an architectural perspective in gouache.

Further Sheets on rendering will include examples carried out entirely in pencil, in crayon, ink, water colour and various combinations of these media.

Other groups of this series cover geometrical drawing, orthographic isometric and axonometric projections, perspective, lettering and draughtsmanship generally.

### Artist's Comments

The following observations have been contributed by the artist :

After making preliminary colour sketches a rough pencil sketch, using a 2B pencil, was made to full size (14 in. by 10 in.) and gradually refined by a system of trial and error. Successive sheets of tracing paper were superimposed until some sort of finality

seemed to be reached ; an H.B. pencil was used for this. The pencil drawing was then transferred on to a not pressed surface board, using an H pencil, and the colour filled in. Here also there was a system of trial and error in getting the right tone values and colours were stripped off or relaid until, again, some sort of balance was obtained. At this point it was considered best to leave well alone.

The drawing has been reproduced in 6 colours, half tone and line, and no particular limitations in technique were regarded necessary to allow for reproduction.

*Compiled from information supplied by :*

**Eagle Pencil Company.**

**Address : Ashley Road, Tottenham, London, N.17.**

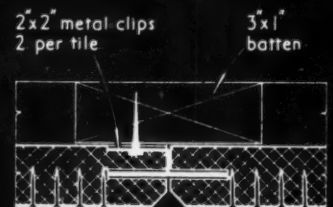
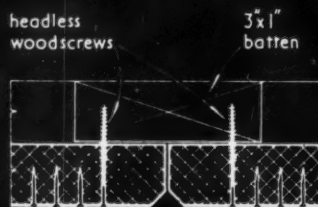
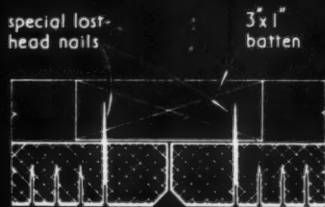
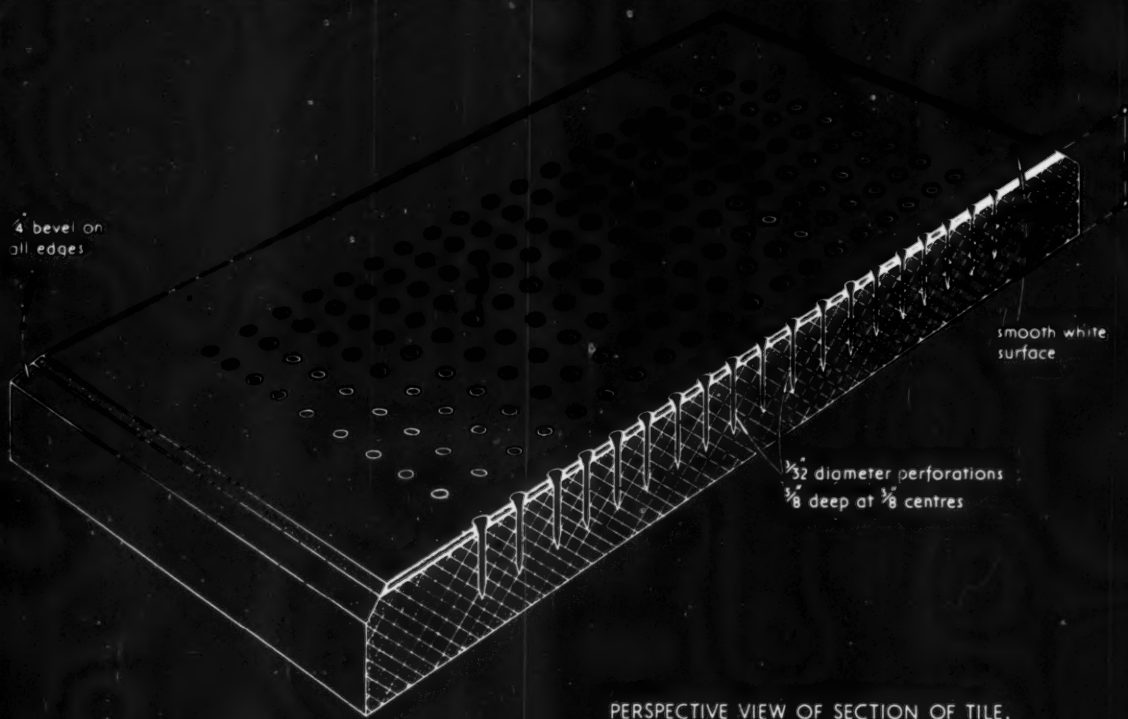
**Telephone : Tottenham 4435-6-7.**

**Telegrams : Octennial, London.**

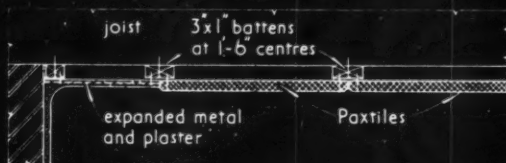




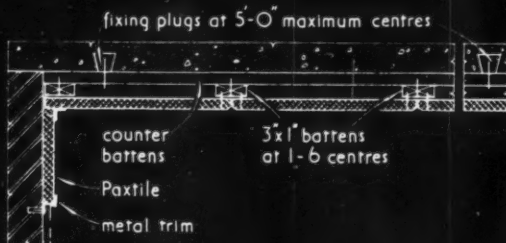
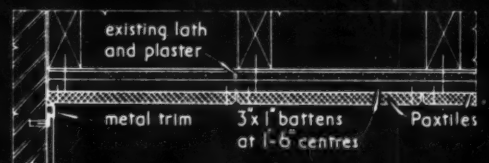




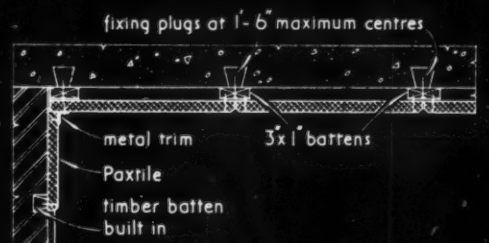
METHODS OF ATTACHING TILES TO BATTENS.



TIMBER CEILINGS.



CONCRETE CEILINGS.



FIXING DETAILS AND CEILING AND CORNICE TREATMENTS.

## 27.C1 PAXTILE SOUND ABSORPTION TILES

## General

This Sheet deals with Paxtile sound absorption wall and ceiling tiles and illustrates various methods of fixing to walls and ceilings, and typical treatments at cornices.

## Material

Paxtiles are composed of a hygienic asbestos material with a smooth white finish, the whole tile surface being perforated to a depth of  $\frac{3}{8}$  in. by  $\frac{1}{8}$  in. dia. holes at  $\frac{3}{8}$  in. centres.

## Sizes and Weights

The standard tile size is 18 in. by 18 in. by 1 in. thick with bevelled edges. Other sizes available are 36 in. by 18 in., 18 in. by 9 in. and 9 in. by 9 in. The weight per square foot is 1.5 lb.

## General Characteristics

The tiles, being composed of asbestos, are fire, vermin, damp and rot-proof. Since they do not depend for their efficiency upon the surface porosity but on the perforations, they can be decorated in any way and as often as required without impairing their efficiency provided that the holes are not blocked.

## Sound Absorption

The following table is extracted from the National Physical Laboratory's Report, reference S.264, 27th February, 1935, on "The Measurement by the Reverberation Method of the Sound Absorption Coefficients of Newalls Acoustic Tiles."

The mean sound absorption coefficients were calculated on the basis of the Sabine formula, as modified by Eyring, from instrumental measurements of the period of reverberation of the chamber before and after the introduction of the test specimen.

Material as tested	Absorption coefficients [to nearest 0.05 for frequency bands in region (c.p.s.)]			
	250	500	1,000	2,000
Newalls Acoustic Tiles, $\frac{11}{16}$ in. thick approx., perforated on the front surface with holes $\frac{1}{8}$ in. dia., $\frac{3}{8}$ in. deep, at $\frac{3}{8}$ in. centres. The tiles were laid without fixing, on $1\frac{1}{2}$ in. by $\frac{3}{4}$ in. battens on the floor.	0.55	0.75	0.85	0.80

27th February, 1935.  
S.264.

## Applications

Paxtiles are designed for use in two ways :

(a) for lining walls or ceilings in cinemas, theatres, and auditoria, and in smaller rooms, such as board rooms, wherever acoustic control or correction is required, and

(b) for "quieting" noise-producing centres, such as typewriting rooms, telephone exchanges, machine rooms, etc.

Compiled from information supplied by :

## Newalls Insulation Company Ltd.

Head Office : Washington, Co. Durham.

Telephone : Low Fell 76035 (6 lines).

Telegrams : Newsulate Washington Station.

London Office : Purley Way, Croydon.

Telephone : Croydon 7241 (6 lines).

Manchester Office : 74, Palmerston Street, Manchester

Telephone : Ardwick 1192-4.

Newcastle Office : Maling Street, Newcastle.

Telephone : Newcastle 56081-2.

Glasgow Office : 26-28, Admirald Street, Glasgow.

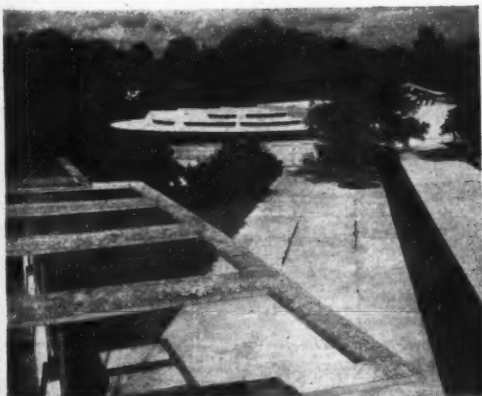
Telephone : South 2558-9.



*The library seen from the covered walk. The lower blocks are perforated and filled with coloured glass inserts. The stack room is on the right of the picture.*

# FLORIDA SOUTHERN COLLEGE

DESIGNED BY  
FRANK LLOYD WRIGHT



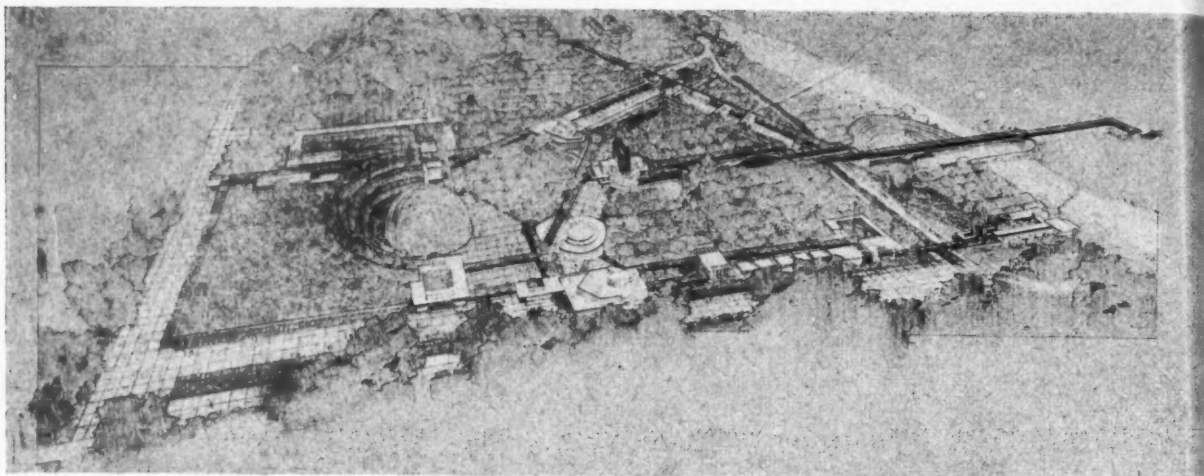
The buildings for the Florida Southern College, in Lakeland, Florida, form the most important group of buildings designed by Frank Lloyd Wright in recent years to reach construction, apart from the series for his own Taliesin Fellowship. The completed scheme provides for 16 different buildings in addition to a number of seminars. The two buildings so far completed, the Ann Pfeiffer chapel and the library, are illus-

*Left the library seen from the roof of the chapel.*

trated here. The site is somewhat flat and uninteresting, situated in the middle of citrus groves.

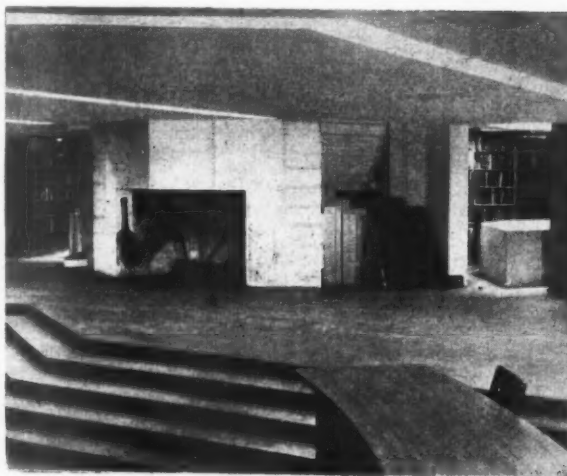
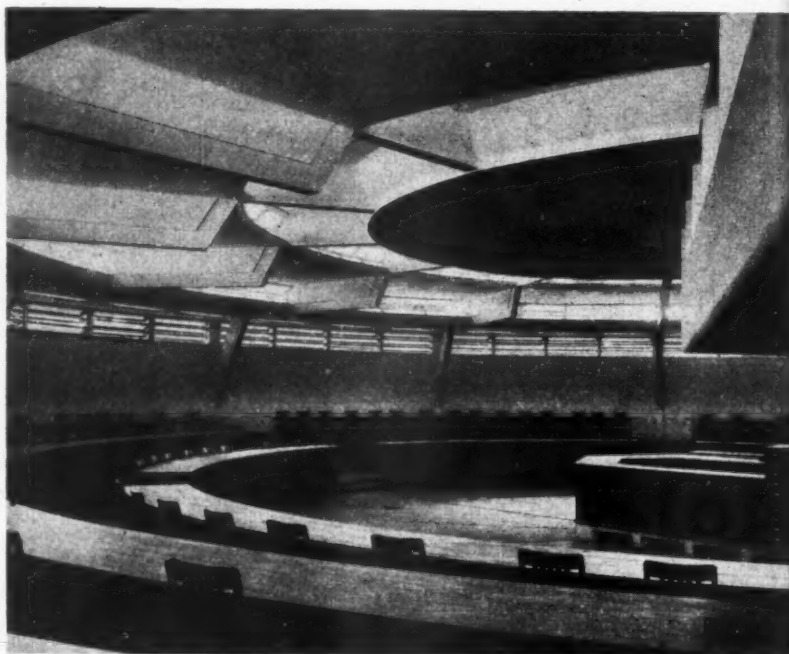
The buildings are constructed of concrete either poured or as pre-cast concrete blocks; as in his earlier textile-block houses in California, Wright has used concrete as a decorative as well as a structural material. Rectangular blocks are pierced at each end of the block, and the holes filled with cast coloured glass.

In the chapel, which is the focal point of the group, as this is a denominational college, the architect has made use both of concrete



blocks, and poured concrete, the former being used mainly in the lower part of the structure. The form of the chapel is remote from conventional ideas on the subject, no cross, no centre aisle, no altar, none of the normal religious associations, the very steeple has concrete flower boxes, that will in due course bear luxuriant vines. The interior glows with light; warm red-orange cushions are upon the seats, which are made of golden coloured cypress. The rostrum is also of cypress. A

*Top, a bird's-eye view of the complete scheme. The chapel is in the centre, with the library slightly to the left below it. Various units are completed as funds permit. Centre, interior of library reading room. The roof beams radiate from a central support. The librarian's desk is on the right. The reading tables follow the circular plan of the room and are on three levels. Bottom, left, inside the library building looking towards stacks from reading room. The stacks are top-lit. Right, a detail of the pierced concrete blocks seen from inside. The perforations are closed with coloured glass inserts.*

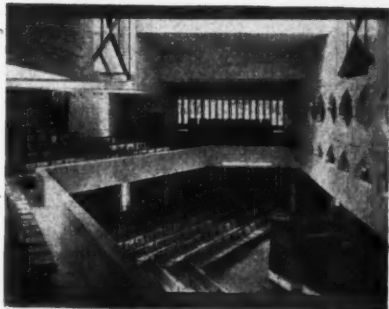
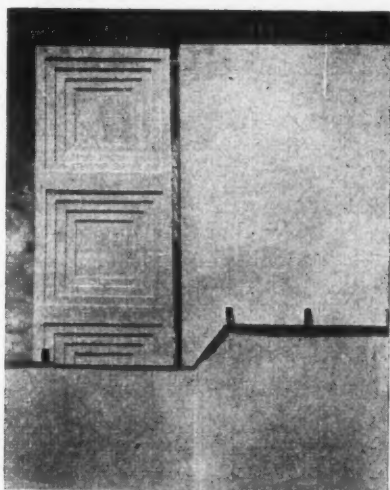
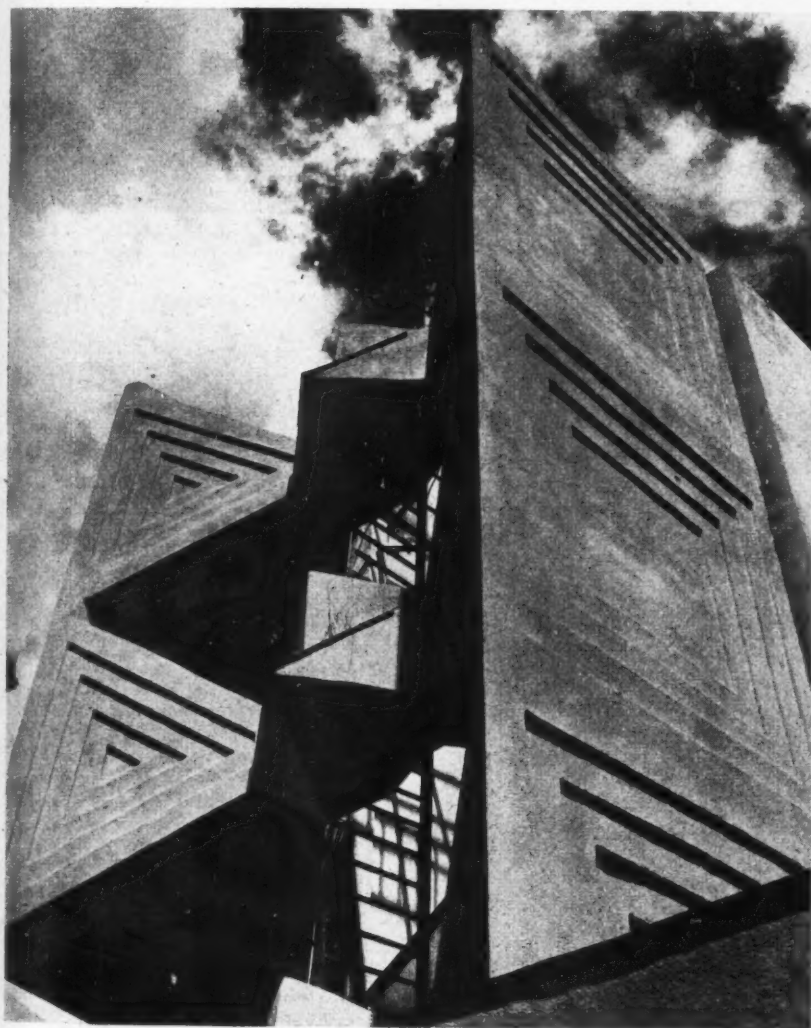
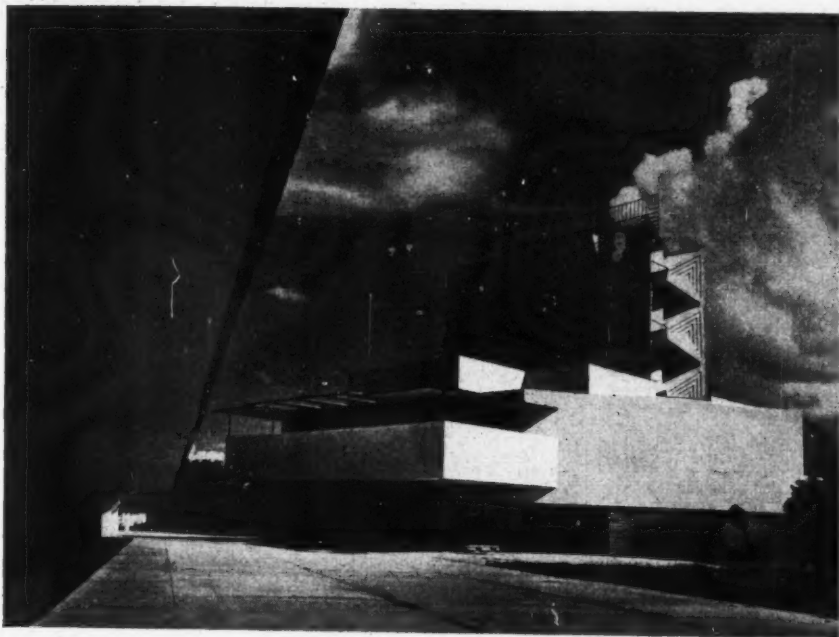




pierced ornamental screen is in front of the choir loft and there are flower boxes within the chapel.

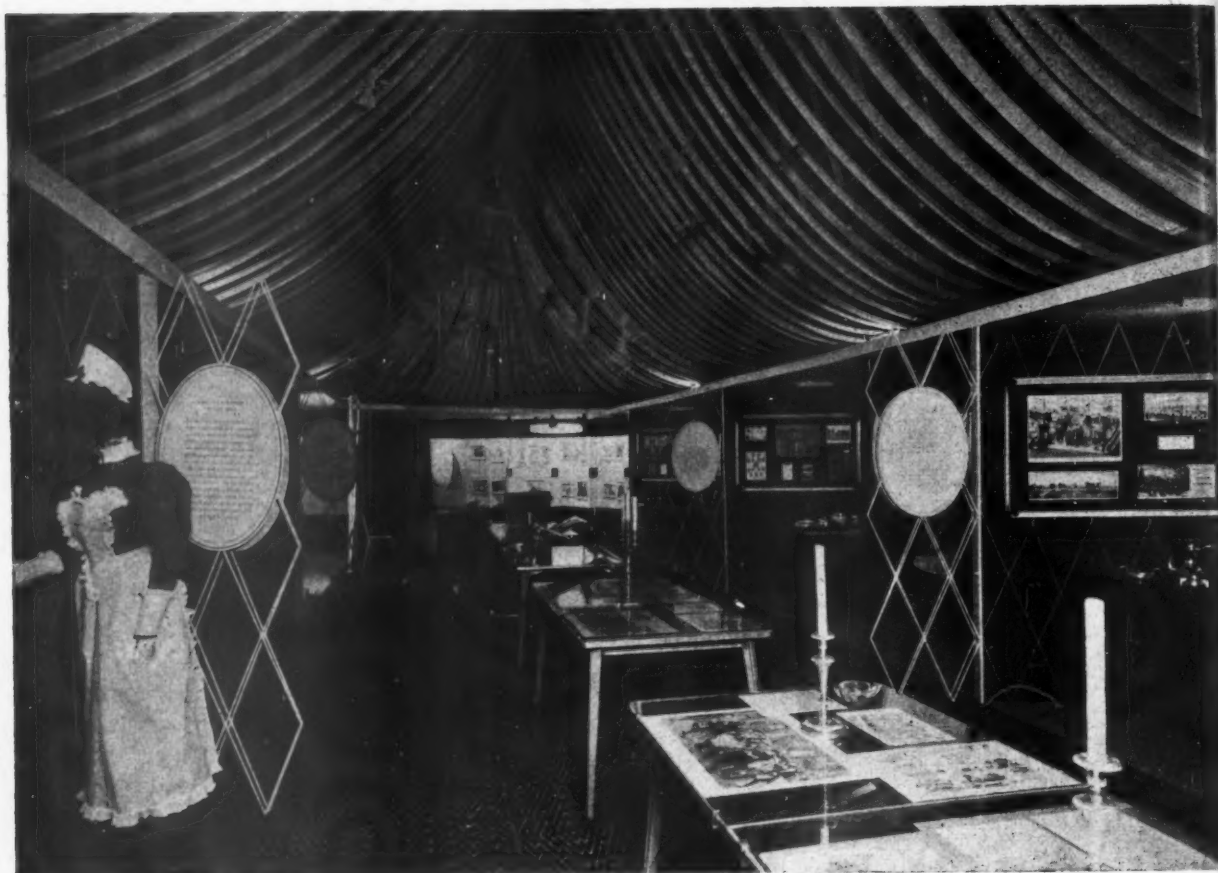
**THE LIBRARY.**—For the library the same method of construction and materials are used. The stack tower is to one side of the circular reading room and the stack shelves are designed around hexagonal light wells which are carried through the three storeys. In the circular reading room, the tables are arranged on three levels, with two steps between each. The annular tables are each lit from a ring of glazing above, the layout of the tables being designed to give a view of the circulation desk and a massive fireplace between the reading room and the stacks.

The photographs are by F. Guerrero except the birds-eye view which is from the Museum of Modern Art.



Top, a general view of the chapel which is built of pierced ornamental concrete blocks and stuccoed concrete block walls. Left, a detail of the lantern to the chapel with concrete flower boxes and steel trellis. Centre, a detail of the chapel showing poured concrete construction. Bottom right, an interior of the chapel from the balcony.

DESIGNED BY FRANK LLOYD WRIGHT



# EXHIBITION

## AT THE TEA CENTRE

DESIGNED BY RICHARD GUYATT AND HUGH CASSON

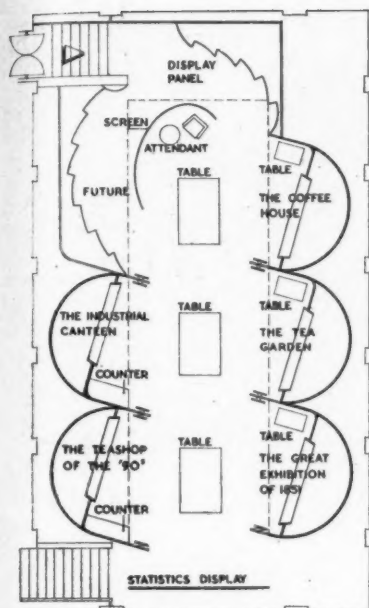


**GENERAL.**—The exhibition *Three Hundred Years of Catering*, open at the Tea Centre, London, until February or March is designed to summarize the history and progress of catering during the past 300 years and to give an indication of future developments. Organized by the Empire Tea Bureau under the sponsorship of the National Council for Hotel and Catering Education, the exhibition was designed and ex-

ecuted by J. Cockade, Ltd. (Designers: Richard Guyatt and Hugh Casson. Assistant Architect: Margaret Casson.) The five scenes in the base were drawn by Elizabeth Corsellis, enlarged up (by eight times) photographically and then hand-coloured.

**CONSTRUCTION.**—One of the problems was to get the public to go upstairs to the exhibition. This was solved by a striped pink and white canopy hung from the ceiling and running from the front door of the Tea Centre on the ground floor to the foot of the stairs leading up to the exhibition.

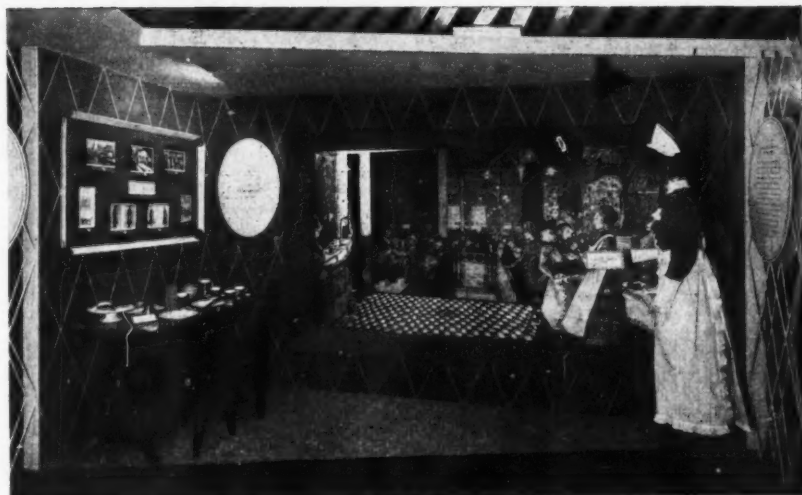
*Top, general view; bottom, display panels and screen behind attendant at entrance.*



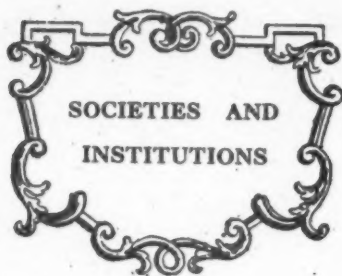
PLAN

The pink stripes are continued on the ceiling to the stairs and across the landing to the exhibition hall. The materials are strips of bunting, some dyed pink for the canopy, and strips of 2 in. adhesive paper, flocked pink, stuck to the white ceiling of the stairs. The walls of the stairs are treated in flocked baize-green. Flock is also used instead of paint for the wall surfaces within the exhibition. The tented ceiling in the grand gallery is made out of 4 in. strips of bunting, spaced out at 4 in. intervals. This has pink and blue spot lights played on to it and also on to the figures of waiters and waitresses which hang down through the interstices. The trellis-work projecting into the room on each side of the base is made out of  $\frac{3}{8}$  in. aluminium tubing. The trellis pattern is continued over the walls of each bay (each bay being flocked in a different colour) in white nylon thread. The effect made is a two-dimensional trelliswork pattern on the walls, becoming a three-dimensional pattern as it projects into the room. The projecting parts carry the type-setting relevant to each bay. The first and last sections of the exhibition are made of curved aluminium panels, which determine, by their position, the circulation flow.

Top, boy showing typical tea shop of the nineties; centre, bay showing eighteenth century tea garden; bottom, mid-seventeenth century meal table laid with pewter ware in the bay devoted to the coffee house period.







*Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes trade associations, Government departments, Parliament and professional societies. To economize space the bodies concerned are represented by their initials, but a glossary of abbreviations will be found on the front cover. Except where inverted commas are used, the reports are summaries, and not verbatim.*

## ABT

### Prof. W. G. Holford

November 24, at Ethelm House, Cornwall Road, S.E.1. A lecture by Prof. W. G. Holford on PLANNING AND BUILDING IN THE NEAR FUTURE IN BRITAIN AND THE USA to the LCC Branch of the Association of Building Technicians. The speaker was introduced by the chairman, Colin Penn, as having recently returned from the USA.

**Prof. Holford:** Planners, architects, housing managers, school teachers, health officers, and building technicians of every kind have cause to be troubled about the immediate future. Those on the client side are obviously the first to be worried, because they are not going to get the dwellings, the school places, the hospital beds, in the quantity they so confidently expected at the end of the war.

Planners and architects are worried for another reason. I think we could face a mere pinching of resources with equanimity. That has happened often before. A tightening of belts, coupled with a temporary concentration of activity on other things—as during the war—and hope for a return to good building in the near future, is not harmful to the building industry in the long run; and gives the planners a chance to prepare their plans adequately, in advance of actual development.

But economic stringency coupled with rising standards of education, of the social

services, and of democratic action generally, may produce a situation in which the means are clearly not able to do justice to the ends; and a psychological change takes place in people's attitude to progress and to the symbols of progress. This is precisely what is happening to the outward and visible signs of our changing social habits and institutions—the shells and fabrics in which we live and work and assemble. In other words, the products of the building and civil engineering industries.

## AN ATTITUDE OF MIND

What we fear now is not the shortage of this material or that, but a growing attitude of mind, which means to say, though it may not express it in so many words, "we cannot afford to put our ideas into building any longer, we can only put them into words"—words, the only commodity we are never likely to see rationed, except through the paper on which they are reproduced.

In the whole history of civilisation up to now the story has been illustrated by memorable works of architecture and civil engineering—from small houses and palaces to clover-leaf crossings and sky-scrapers. Most forms of social advances have been met by new forms of building; and these buildings have represented in every sense a social art, being in part the product of a surplus of energy, talent, money, and other resources devoted to their creation.

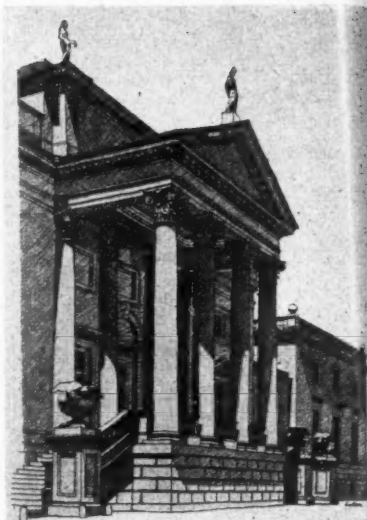
The medieval parish church was often grander than the housing condition would seem to justify. More recently the designs of County Hall, on the Embankment, or even the hideous Port of London Authority building on Tower Hill, embodied a scale of expenditure in money, materials, and building skill that was far greater than the material demands of two office buildings. These structures may be written off as typical products of ecclesiastical domination and patronage on the one hand, and as over-heavy bolsters of bureaucratic pride on the other. The fact remains that in two widely differing epochs the aspirations of society emerged in the form of significant building.

I think this is still true of the United States to-day; it is just possible that it may no longer be true in Britain. And that is why I think it is particularly interesting to look at the situation in both countries, as it affects housing, commercial building, public works, and town planning programmes.

## HOUSING

Dwellings built during inter-war years: 1,128,000 by public agencies, 2,885,000 by private agencies; making (out of a total of 11,250,000), 4,013,000. Of these 28 per cent. or so, provided by public agencies, at least three-quarters were of a rateable value under £14 p.a. Of the 72 per cent. provided by private agencies, only one-quarter were of rateable value under £14 p.a. So, broadly, the local authorities were using the housing subsidies to provide the cheaper houses, and the flats that replaced the worst of the slums.

Various estimates have been made of post-war requirements. The biggest variant in these estimates is of course the number of "sub-standard" houses to be replaced. Now standards have risen enormously in the last few years, and if they are stabilised (for purposes of calculation) at those of post-war temporary and permanent construction, then the answer is that 40 per cent. of existing houses in the country are due for replacement—say, 4,500,000 dwellings. Add to this the houses needed to secure one for each family—about 750,000 in all up to 1955—and you have a total of 5½ million (or 2,625,000 a year for 20 years).



PORTICO of STOURHEAD, WILTS. (c. 1719)  
Designed by COLIN CAMPBELL

*A Christmas Card for the Georgian Group by Gordon Cullen.*

The indications are that the proportions undertaken by private and public enterprise will be reversed, i.e., four-fifths will be the responsibility of housing authorities, one-fifth (and that mainly the houses of more expensive type) will be forthcoming from private agencies.

So far the housing industry has not got into its stride. The recent cuts will slow it down even further. The ABT has already made known its views on the seriousness of the situation.

## USA HOUSING POLICY

*The Times* asks, "can the house-building industry, which has grown up to serve one type of market, adapt itself to meet the new type of demand which the estimates imply? . . . If the requirements of the next ten years are to be met the industry's structure and methods will have to be disturbed. Neither the experience nor the resources of the small builder suit him for building on contract and on a reasonably large scale for local authorities, and the work, which rules out speculative profit, does not attract him." *The Times* goes on to suggest that local authorities are not the only public agencies suitable for providing working-class dwellings, and that new agencies should be set up to enlist the co-operation of the smaller builders, and supplement their technical and financial resources. It may surprise you to learn that the USA is also facing a serious housing shortage (it is in fact very nearly world-wide). Their need is equal to our total resources, that is, 11,000,000 dwellings. And over there the principles of public housing are altogether different. It is most interesting to compare, for example, the economic policy of the Federal Public Housing Authority (as expressed by Warren J. Vurton, their chief economist) with the outlook over here.

"1. We hold that private enterprise has a primary responsibility, through individual ownership or the provision of rental dwellings, for the housing of all income groups which it can satisfactorily serve. The government should step in only when private enterprise fails to provide decent and adequate housing for any group of people at costs within their means. The government should



supplement private enterprise; it should never invade a field where private enterprise is functioning satisfactorily.

"2. Within the field of public housing . . . we are planning for use and not for profit. . . . It must be well planned, so that it will be suitable for use, over a long term of years, under varying conditions; and it must be well built so that the cost of repairs and maintenance will be at a minimum.

"3. As far as possible, public housing should conduct its activities through the ordinary channels of private trade and business. Land should be bought at fair market prices, through private realtors; private engineers and architects should design it; construction should be carried out by the ordinary contractors bidding on the open market. . . . Only when it comes to the actual management and administration of completed projects, is it advisable for the government to undertake operations with its own staff . . . working thus through the regular channels of trade has proved to be the most convenient and expeditious way of providing public housing. We believe it to be the most economical method; and last but not least, it certainly minimises opposition from private interests."

These remarks were made in 1944; but, although performance has since lagged behind promise, they still represent a very general trend of opinion in the USA.

#### PLANNING IN AMERICA THROWN OUT OF THE WINDOW

In America planning has almost been thrown out of the window and production is all: over here we have, only too often, planning instead of production.

The managerial attitude to public housing in the States is not fundamentally different from the Trade Union attitude. This is not a political meeting and I do not want to drag in party affiliations, but building productivity is the crux of our problem here, and one must analyse the merits and the disadvantages of the American system in an effort to solve it. You may remember Mr. William Green's advice to American miners: "You give the bosses the last ounce, and I will see that they give you the last dollar!" That is not quite how it has worked out; capital is a long way from passing over the last dollar to the workers. But the psychological effect of the money incentive is undoubtedly one of the chief differences between American and British production in the building industry at the present time. Pride in the job, and in its organisation, is latent in this country, and in the USA is exploited to the full. This means (a) high wages and long ladder promotion (wages up 100 per cent. on 1939); (b) interest in mechanisation; (c) greater co-ordination between factory and site organisation.

What of the results? Some of these are terrifying. Stuyvesant Town and Peter Cooper Village are examples of superb organisation and thoroughly bad social planning. There is concentration on the small household, whereas in public housing "concentration on large families and on families with children, limited resources are used to serve the maximum number of persons, and those who will derive the greatest benefit from decent housing conditions" (FPHA maxim).

There is also the growing evil of race discrimination, especially by the indirect method of restrictive covenants in privately managed estates.

The G.I.s are all thoroughly disillusioned about the ability of public housing to meet their special needs.

The main asset of the American housing industry is still its terrific potential on the production side, its flexibility and openness to new ideas and methods, its capacity to spare something now and then, over and above the utilitarian, to appeal to the imagination and also to sentiment, e.g., the Tennessee Planning Board, the play spaces in Cambridge, the Stadia and Recreation Grounds allied to New York highway improvements, and the use of landscape architects in war-time housing projects.

#### COMMERCIAL BUILDING

This is the field where we are going to lag behind badly, unless we are careful. Commercial building here has no priority; and it is easy to understand the reason why. At the same time, if we are in for a planned economy, every part of the machine, even if it is a small cog, must be kept working. You cannot pump in more fuel in an attempt to get more mileage and altogether neglect the lubrication. There are more office workers to-day than there were in 1914. Whereas space and amenity standards in houses, factories, and even in mine workers' dwellings are going up, office standards are going down. Complete lack of competition in new office building is creating fantastic rents (space that was 2s. a square foot in 1939 is sometimes 10s. in the City of London). Even if it is only 1 per cent. of building some really modern commercial building should be encouraged, if only to raise standards and keep down rent.

The USA is, of course, at the other extreme; firms change their offices too frequently in most central areas. Rockefeller Centre is being built up, and traffic problems are being solved on Cæsarean lines, which will create five times as much trouble in a few years' time.

#### TOWN PLANNING

Except for resources planning (particularly in the great river valleys), zoning and forward town planning has taken a step backward in recent years. Britain is ahead in compensation and betterment legislation, new towns legislation, control of space (which may lead to decentralisation), preservation of buildings and scenery, central area redevelopment, and industrial estate planning. But it is early to prophesy; America is quicker to judge by results, is less docile, less patient in 'queues, less politically experienced. Our proposals intrigue them very much; but our performance leaves them as yet unconvinced. Some-

times where we are static, the USA is rushing downhill, e.g., New York City and Regional Plans; decay of parts of Boston; growth of slums in Chicago and many mid-western cities. They rely too much on technical invention and too little on administrative ability to get them over unnecessary difficulties.

The two real remedies are land utilisation and its control; and the control of quantity of accommodation—neither of which are in good working order in the States.

Prefabrication of large units killed by (a) high capital risks and (b) difference in State bye-laws, make a standard design impossible nationally.

Heating is incomparably better than ours, mainly due to the ubiquity and cheapness of oil and the high degree of mechanisation.

To sum up, the chief lesson of the American comparison appears to be that although building is not an export, it comes next to food as the most important index of morale, domestic efficiency, standards of living, and democracy in action.

## Publications Received

*Architecture.* Martin S. Briggs. (Oxford University Press. 5s.)

*The Housing of Africans in the Urban Areas of Kenya.* G. C. W. Ogilvie. (The Kenya Information Office.)

*Village Housing in the Tropics.* Jane B. Drew and E. Maxwell Fry. (Lund Humphries. 4s. 6d.)

*Queries and Answers for Builders.* Edited by Bernard Lintern. (The Illustrated Carpenter and Builder. 2s.)

*Ulster Year Book 1947.* (HMSO. 2s.)

*The Gravity Warm Air System.* (HMSO. 1s. 6d.)

*A Plan for Bath.* Sir Patrick Abercrombie, John Owens, and H. Anthony Mealand. (Isaac Pitman. 30s.)



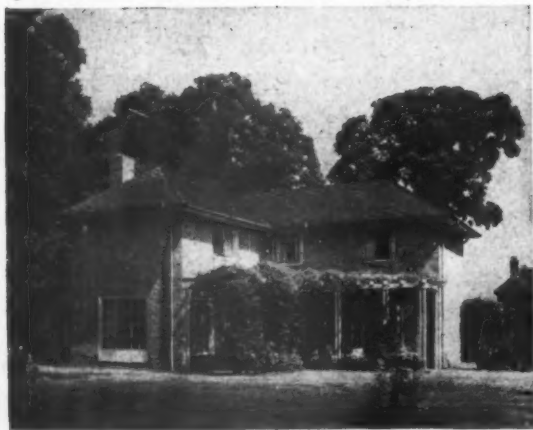
*A Christmas Card by Peter Moro. Based on an old print of the 1851 Exhibition in the Crystal Palace, it sums up a year of exhibition designing by the artist.*



# HOUSE

## AT MAIDENHEAD

DESIGNED BY E. C. P. ALLEN



**GENERAL.**—House for the architect's own occupation. The project was also an attempt to show that the ordinary small house could be built cheaply and still be aesthetically satisfactory.

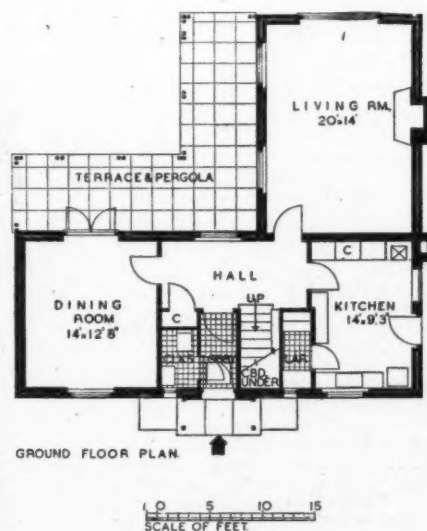
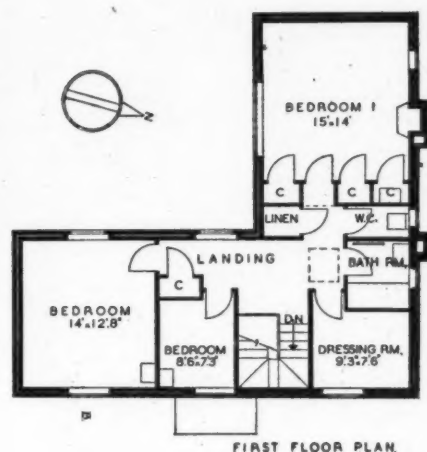
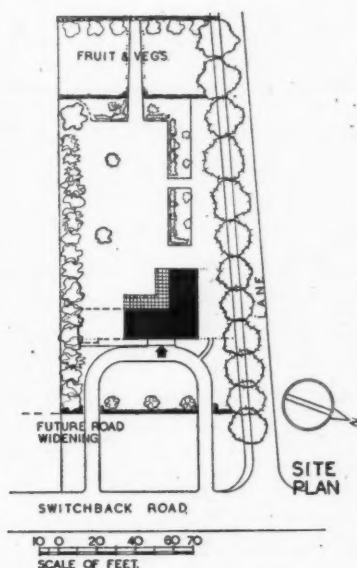
**SITE.**—Bounded on the north by a bank of elm trees, which naturally form the background to the house. To blend the house with the trees for both winter and summer Dutch facing bricks were used of very rough texture and golden-brown in colour, and the roof was low-pitched and covered with Cedar shingles which quickly weathered to a silver-grey colour. House and garden were designed

together; and the house placed to the north-east (a) to get the full effect from the small garden and (b) to allow a future addition of study and garage.

**PLAN.**—L-shaped to get maximum sunlight and in order that all principal rooms can have windows in two walls. Interest has been given by a slightly unusual treatment of the staircase, and the flower-boxes therein—when bulbs are obtainable—give colour and cheerfulness. It is intended to add at the south end a study and garage. The rose-covered pergola on the west and south breaks the harshness of the daylight without darkening the rooms.

**CONSTRUCTION.**—Entirely normal except that the use of shingle tiles enabled the rafters to be

*Top, the entrance front; left, view from garden.*



3 in. by 2 in. at 24 in. centres. External walls 11 in. hollow brick; internal walls brick and studding; floors joisted deal, except the hall, which is of narrow oak strip; skirtings and architraves deal painted; internal doors flush and painted; staircase deal painted, with waxed oak handrails and capping to flower-boxes.

#### ELEVATIONAL TREATMENT.

It is considered that the sash window allows the best control of ventilation in living rooms, particularly where—as in this case—considerable window area is required. Sash windows are possibly not so suitable for bedrooms; and in this case standard section metal casements were used, but glazing bars and mullions were omitted and all lights can be opened. The external woodwork is painted cream with the exception of the external doors, which are painted a light green, as is all external metalwork.

**INTERNAL FINISH.** — Walls and ceilings are plain plaster distempered light cream, and all wood-

work is painted a similar colour. **CONTRACTS.**—Single contract. £1,420. Erected in 1938-9. The general contractors were Messrs. H. T. Oliver & Sons. For sub-contractors, see page 572.



Top, the front entrance; left, the staircase.



## TECHNICAL SECTION

*The function of this feature is to supply a digest of, and commentary on current information of interest to architects as recorded in technical publications and statements of every kind throughout the world. Items are prepared by specialists of the highest authority who are not on the permanent staff of the Journal, and views expressed are disinterested and objective. Items are printed on one side of the paper only to permit of cutting out and pasting up in classified order in readers' files. The Editors welcome information on all developments from any source.*

### INFORMATION CENTRE

*To enable items to be filed all information is classified under the following headings:*

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.

#### 2.23 planning: general

##### SITE INVESTIGATIONS

*Site Investigations. Draft BS C of P. Code 501: 1947. (British Standards Institution, 10s.)*

First Code of Practice to be issued in *Civil Engineering and Public Works Series* dealing mainly with investigation of suitability and characteristics of sites as they affect design and construction of civil engineering works and security of neighbouring structures. Important and valuable summary of factual information regarding soil and geological conditions in Great Britain. Tables, illustrations, glossary of engineering and geological terms, bibliographical references.

The scope of this Code is clearly defined as excluding site selection from the point of view of the wider social and economic considerations affecting the community at large. It also does not discuss the questions of labour, temporary housing, etc., and examines constructional materials, which will form the subject of a separate code, more briefly than soil and geological conditions.

It is stated that the objects of site investigation as an essential preliminary to the construction of all civil engineering works are:

- (a) to assess the general suitability of the site for the proposed works;*
- (b) to enable an adequate and economic design to be prepared;*
- (c) to foresee and provide against difficulties that may arise during construction due to ground and other local conditions;*
- (d) to investigate the occurrence or causes of all natural or created changes of conditions and the results arising therefrom.*

Based on these objects the Code collects and presents a wealth of relevant data, and information the bulk of which is contained

in numerous appendices, which cover the following fields:—

*Appendix A* lists general information to be collected concerning sites for civil engineering works, together with certain special information required in regard to design and construction. Planners should take note of these lists as a valuable contribution to land survey technique.

*Appendix B* provides information on maps, charts and other data published by Government and other departments, and gives some bibliographical references to publications on the use of aerial photographs in surveying.

*Appendix C* is a clear and concise glossary of engineering and geological terms, and it is recommended that the definitions suggested should be accepted for general use in the future. Illustrations of recommended engineering geology symbols, including structural features, are provided.

*Appendix D* describes the field of geology as applied to engineering at great length and discusses geological deposits, drifts or superficial deposits, solid deposits, and lays emphasis on the importance of geological structures resulting from earth movements.

*Appendix E* gives a soil classification scheme for roads and airfields amplified by a detailed table providing the general basis for field identification and classification of soils.

*Appendix F* is a selected bibliography covering difficulties arising from unexpected foundation conditions.

*Appendices G, H, J, and K* represent a detailed and illustrated analysis of the exploratory methods in connection with site investigations and cover borings, protection, handling and subsequent examination and testing of rock and soil samples, with description of test procedure and apparatus, and field tests in general.

*Appendix L* deals with geophysical surveys and the principal exploratory methods employed in connection with them, such as electrical, seismic, vibration, magnetic and gravity methods. It includes a short list of bibliographical references.

This excellent Code should prove equally valuable to civil engineers, architects and planners in that it assembles very important fundamental data in a readily accessible form.

#### 6.14 planning: social and recreational

##### VILLAGES: SOCIAL FACILITIES

*Recreative and Social Facilities in Villages: Parish Councils Advisory Handbook No. 3. (National Council of Social Service, 1946, 6d.)*

Clear and concise statement directing attention of parish councils to their wide and important powers and to available financial resources regarding provision of social and recreational facilities in rural communities. Bibliography.

It is stated that the parish council can more effectively serve its community by using its powers as a local authority to improve leisure time facilities in its village. Although the provision of centres to promote social and physical training and recreation comes within the scope of the education service administered by Local Education Authorities under the *Education Act, 1944*, such provision does not prejudice the powers given to parish councils under Section 4 of the *Physical Training and Recreation Act, 1937*. These powers concern provision, maintenance and financial contributions towards centres for athletic, social or educational objects. Further powers available to parish councils for the provision of village halls are contained in the *Local Government Act, 1933*, Section 127.

In regard to financial assistance, the *Ministry of Education Circular 51/1945* gives details of the arrangements made to meet the cost of providing recreational facilities, and the National Council of Social Service assists also with grants and loans free of interest.

The pamphlet discusses and analyses all these provisions in detail. It stresses the need for village surveys of existing social facilities in the light of modern standards, and draws the attention to a prescribed form of detailed survey issued by the National Council of Social Service or any Rural Community Council. Some notes on the compulsory purchase of land, on maintenance of parish property and on some miscellaneous general powers conclude this most informative pamphlet. A useful bibliography, and lists of Rural Community Councils and Registered Offices of the NCSS, and of Parish Council Advisory Services Associations, together with their addresses, are appended.

#### 7.10 practice

##### BUILDING PROCEDURE

*Building Procedure. Edgar Lucas. (Technical Press Ltd. 12s.)*

A book dealing with procedure, from the conception of a building until its completion, indicating the separate functions of the personnel concerned, including the Client, Architect, Builders and Specialists.

In an age of specialization, many people have no real conception of how their particular jobs fit into the general pattern and this is bound to give rise to friction and wasted effort. With this in mind Mr. Lucas has written a book indicating, quite simply, what part each person should play in a normal building project.

The book deals primarily with the duties of the Architect, the Builder, the Clerk of Works and Foreman, with examples of Architects' and Builders' organisations and other relevant matters. Separate chapters are devoted to speculative building, alterations and jobbing work and estate management.

Many students and trainees should welcome this book which is in clear and readily understandable language. At the same time readers must remember that a little learning is a dangerous thing and that they cannot expect a book of this size, covering such a wide field, to give exhaustive information on any particular subject. The present publication is a re-issue of the book, as published shortly before the war and the few examples of prices given, have not been brought up to date.

#### 10.24 design: building types

##### MODULAR DESIGN: DOMESTIC

*The Industry Engineered House. Gordon Lorimer. (Architectural Record [USA], September, 1947, pp. 74-9.)*

Modular design and dimensional co-ordination in domestic buildings. (See No. 2618: 11.7.46.)



# Log Logistics<sup>\*</sup>

## A comment on the timber fleet

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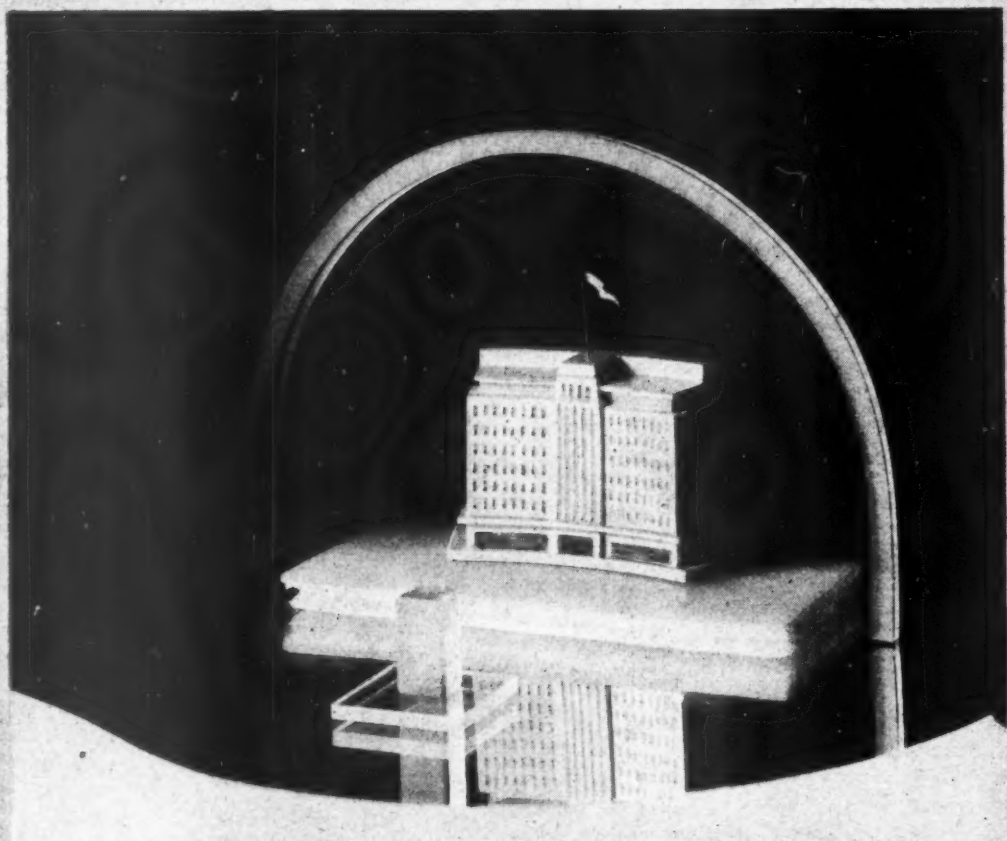
*\* LOGISTICS—"that branch of the military art which embraces the details of transport and supply."*

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William Evans & Co. (Distributors) Ltd., L'pool 3.  
Exau Products Ltd., Enfield, Middlesex.  
Farquharson (Timber) Ltd., London, E.C.2.  
S. & F. Fryer Ltd., Hazel Grove, Cheshire.  
Hitchins Flush Woodwork Ltd., East Ham, E.6.  
Leaderflush Ltd., Nottingham.  
MacAndrews & Forbes Ltd., London, S.W.1.  
Manor Joinery Works Ltd., Barking, Essex.  
Merchant Trading Co., Ltd., London, W.C.2.  
William Royle & Co. (Manchester) Ltd., Manchester, 2.  
Stavers & Anderson Ltd., London, E.C.3.



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The purpose of the project is to determine and demonstrate the best possible ways of designing houses on a modular basis so that the assembly of standard available building products will be most efficiently and economically co-ordinated. The programme is not limited to any one particular type of material or equipment, but considers all that are currently available as standard items.

Three framed and three masonry test houses will be erected consecutively at Urbana, Illinois, under the supervision of the University of Illinois Small Houses Council. During the construction of each, careful study and analysis will be made of erection techniques, with any improved methods derived from the observations to be applied to the next house. Man-hour schedules for each operation will be made available to the building industry as something in the nature of a target.

The ASA4-in. unit and the 4-ft. planning grid, both horizontally and vertically (inside dimension), were adopted to eliminate cutting and fitting of sheet materials. In American domestic architecture, the 4-in. unit has been a significant dimension for many years, due to the early selection of 16 in. and 24 in. stud and joist centres for frame construction. This has led to the development of sheet board materials in 4-in. increments or multiples thereof. As sheet materials have common dimensions of 4 ft., it was found advantageous to design with a 4-ft. grid. This basic planning assumption produces the minimum of cutting of interior finishes. Similarly, panelled exteriors are efficiently possible, provided a corner post or cover plate detail is devised to compensate for wall thickness.

Two-inch by 10-in. floor joists are capable of meeting most code and FHA requirements at 16 ft. span without intermediate support. This is the minimum dimension at which a proper single-run stair can be run in the direction of the span, with an adequate landing at each end. The 16-ft. span also permits the use of a very simple tied rafter type of roof truss, arranged at 2-ft. centres. Considerable variety in sizes and type of building is possible while maintaining this span. Major plan elements of 16 ft. by 24 ft. and 16 ft. by 28 ft. were derived and used in various combinations.

It is hoped that the studies undertaken at the test houses at Urbana will show the possibilities of further economies both in design and in structural and mechanical assembly methods.

#### 20.48 construction: complete structures FACTORIES IN PRECAST R.C.

*Precast Concrete in the Construction of Factories.* (Concrete and Constructional Engineering, October, 1947, pp. 312-17.)

Application of the Lambda system (see No. 2575: 6.6.46 and A. J., March 21, 1946) to three industrial buildings.

The article describes a single-storey factory at Ilford, a three-storey factory at Clapton,

and a factory with north light roof in Kent. The main features of the Lambda system are precast rigid frames composed of cantilevered column members and rafters or beams connected by scarfed joints approximately at the points of contraflexure. The maximum span of a precast frame at Ilford was 54 ft.

Of particular interest is the factory with north light roof consisting of three bays each 35 ft. wide.

#### 21.15 construction: miscellaneous RECONSTRUCTION OF CHURCH

*Die Wiederherstellung der St. Michaels-Hofkirche in München.* (Baumeister [Germany] July-August, 1947, pp. 236-248.)

Description of war damage and reconstruction.

St. Michael's Church in Munich was built between 1583 and 1597 and destroyed by bombing on November 22, 1944. It was of great artistic value. From the structural point of view it was famous for its barrel vault roof of approximately 66 ft. clear span. This barrel roof (the largest span north of the Alps) had a thickness of only about 9 in. at the crown and 18 in. at the springings. The old timber trusses above the barrel were rather clumsy, containing more than twice the quantity of timber required for a modern structure, yet weaker.

The barrel vault roof and the greatest part of the timber construction were destroyed. The article describes the damaged church and the programme of reconstruction, part of which has already been carried out. It is well illustrated.

#### 22.13 acoustics SOUND ABSORBING MATERIALS

*Acoustical Properties of Homogeneous, Isotropic Rigid Tiles and Flexible Blankets.* By L. L. Beranek. (J. Acous. Soc. Am., July, 1947, p. 356.)

Experimental and theoretical study of mechanism of absorption. Special interest only.

The chief point to note is that widespread attention has been directed lately to the exact mechanism by which materials absorb sound, and this is a contribution in respect of felt-like materials and fibre-board.

#### 23.46 heating and ventilation AUSTRALIAN HOUSES

*Natural Ventilation, Ceiling Height and Room Size.* J. W. Drysdale. (Commonwealth Experimental Building Station [Australia], July, 1947, 1s.)

Excellent objective discussion of factors affecting ventilation, room height and room size in dwellings under Australian climatic conditions. Of interest outside Australia.

This is a 27-page duplicated report written in a clear and concise manner. It examines

the requirements for comfort and health in the light of latest available data, and points out very clearly how illogical are many existing habits and regulations. In the case of ventilation each room is considered separately, and then the house as a whole. The chief conclusion is that the use of wall ventilators is largely unjustified. On ceiling height it is interesting to note the wide diversity of present regulations in different cities. The usual minimum height is at least 9 feet. The Report discusses the basic requirements and makes out a strong case for lowering the minimum. It also points out the illogicality of allowing much lower ceilings on upper floors, where heat gains in summer will be more troublesome.

The usual minimum room size allowed is 80 sq. ft. This, it is suggested, might be relaxed in certain limited cases.

The whole report is an admirable example of clear analysis of a problem put over in simple direct language. At the end of the report is a list of other recent reports issued, together with an order form and also a one page description of the work carried on at various research stations in Australia. Our own Research Stations might well follow these methods of getting their work more widely known.

#### 24.50 lighting HIGH VOLTAGE FLUORESCENTS

*Luminous Discharge Tubes.* "Megohm" (Electrical Times, October 23, 1947.)

Brief notes on precautions required when installing high voltage lighting by fluorescent tubes. Mentions noise nuisance from auxiliary gear.

#### 24.51 lighting STREET LIGHTING

*Collection of Papers Read at 1947 Conference of the Association of Public Lighting Engineers.* (The Association, 68, Victoria Street, London, S.W.1.)

1. *Street Lighting in Relation to Road Safety, Traffic Problems and Crime Prevention.* A. E. Marchant and R. Bell.

Accident rates at night, reduction of policing, discouragement of crime, and improvement in public morale. Useful for town planners. Illustrated graphs.

This paper has interesting data for town planners. The discussion runs mainly as follows. Fatal and non-fatal road accidents occur at a very markedly higher rate when street lighting is not up to recommended standards than when it is. Statistics for 1946 and 1947 confirm this; there were about the same number of cars on the road each year, and in 1947 fuel economies necessitated cutting the street lighting. The accident rate, which usually falls from January to April, did not do so in that year. The annual cost of road accidents to the community is about £100,000,000, and the estimated annual cost of lighting all classified roads in County Boroughs, and 20 per cent. of similar roads in Counties, is about £3½ millions.

In respect of crime the data are chiefly American, but they give clear evidence of the lowered incidence in well-lighted districts. The paper gives a reminder that this not only means reduced crime, but reduced policing.

Little is said about morale except the suggestion that darkened streets are cheerless and depressing.

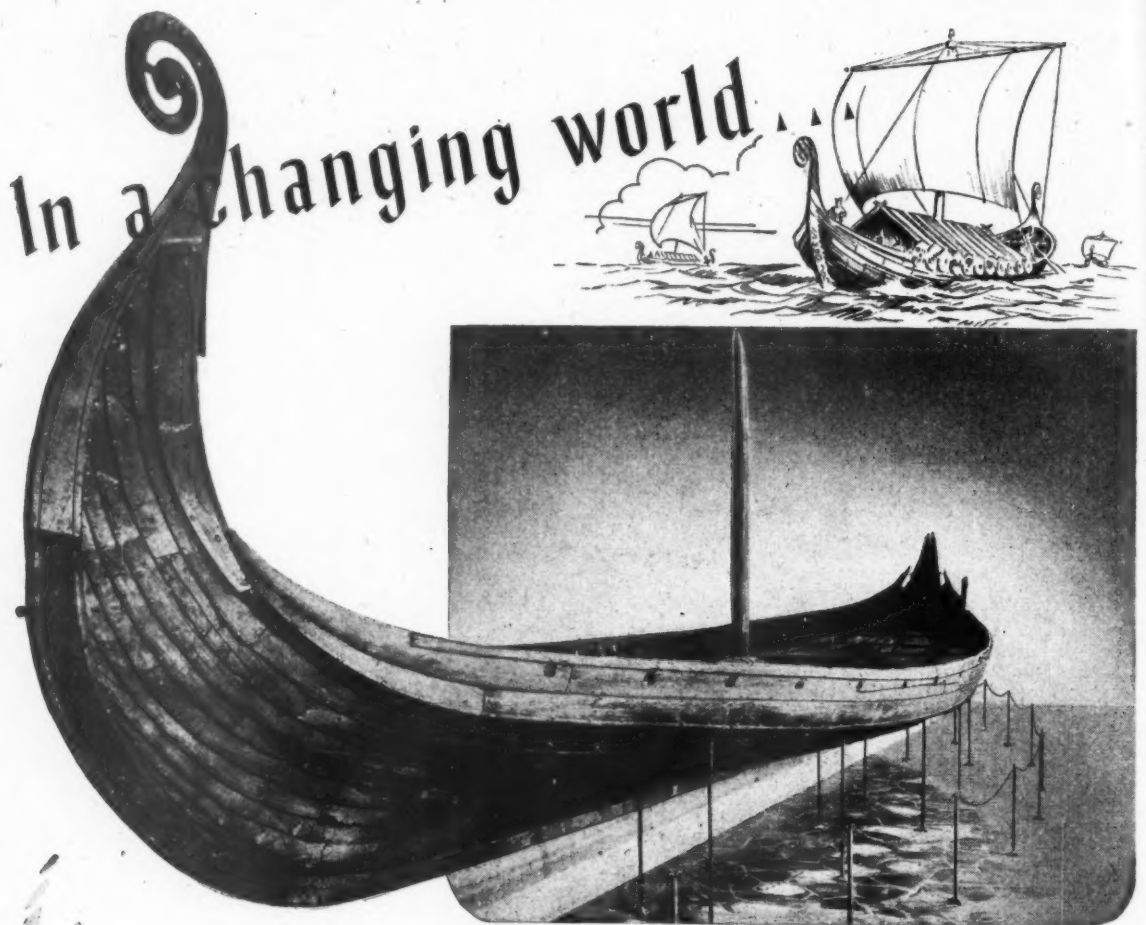
2. *Maintenance of Public Street Lighting.* J. Woodhouse.

The organisation and technique of maintenance. Illustrated graphs, charts and figures. No particular architectural interest.

3. *Side Street Lighting.* R. W. Steel.



Precast concrete factory in Kent. See 20.48.



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## Timber endures



About 850 A.D., the Norsemen put their faith in sound timber to build this 70 foot Viking ship—a frail looking craft for the hazardous North Sea crossing. Eleven centuries later it was found in a good state of preservation at Oseberg Farm, Slagen, Norway, and now stands in Bygdøy Museum, Oslo, justifying their faith in the enduring qualities of timber. In modern craft of all types, fine woods are selected with assurance and with a wider choice of timber than builders have ever known. Hardwoods and veneers from many countries, plywoods (flat, shaped and metal-faced), and all prepared for a multitude of uses by processes and equipment which incorporate all the advantages inherent in modern scientific development.

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Classification of streets for lighting standards; early modern types of lighting; the problems of trees. Quite useful for town planners and landscape architects. Illustrated by photographs and street plans.

The most useful parts of this paper will be the remarks about the lighting problems raised by different types of side-streets, ranging from those lined closely by terraced housing to open suburban layouts. Roads are at present divided into two groups for lighting specification, one being the range from the arterial down to the local through road, and the other the local and development roads. The author suggests an intermediate group, for local through roads.

In the discussion on trees the author remarks on the difficulties they raise in respect of lighting streets from lamps on either side. One is almost forced to central suspended lanterns, but these are troublesome and expensive. A plea is made for collaboration between the street lighting engineer and the local parks and gardens superintendent to produce results acceptable to both sides, and it is suggested that there should be official consideration of recommendations to local authorities.

#### 4. Street Light Photometry. S. English.

The criteria to be measured, the methods of measurement. Limited architectural interest. Illustrated photos and graphs.

The main point having interest is the reference to the criteria of good street lighting. Twenty years ago it was thought that measurements of intensity were sufficient, but subsequently the view has prevailed that visibility being the paramount consideration, and visibility at night being almost entirely by silhouettes, the criteria should relate to factors contributing to this end. The silhouettes are chiefly those of dark objects against light backgrounds, and the criteria noted here are:

(a) The brightness of road surface and backgrounds;

(b) The brightness of objects and obstructions;

(c) Glare.

The subsequent part of the paper describes methods of measurement.

The street designer will note the point about backgrounds, which are to some extent under his control.

#### 5. Better Light—Safer Roads.

Silhouette vision at night; uses of gas for street lighting; official recommendations. Illustrated with good photographs and diagrams.

Gas still holds a substantial position in street lighting, and this note is concerned with the modern practice of gas lighting and how it can be used in terms of the Ministry of Transport Recommendations on Street Lighting.

#### 24.52 lighting WINDOWS

*The Meaning and Magic of Windows.* By M. Luckiesh. (Libbey-Owens-Ford Glass Co.)

Popular descriptive pamphlet, modern windows. Interesting. Illustrated 24 photographs and drawings.

Propaganda without much purpose, but attractively done, with familiar but good photographs of modern windows. The author speaks of louvres, and then rather nostalgically of daylight and the outdoor scene. The acceptance of daylighting as the criterion of proper colour rendering is noted as fundamental. It is claimed that near vision is a modern requirement and that daylight therefore really sets the standard for interior lighting. Apparently about four times as many indoor workers have defective eyes as have outdoor workers, at least in typical forms of work. There is an extensive section on school lighting, but there is nothing specific in it. The general tenor is a plea for more light until we reach nature's standard.

#### 26.13 services and equipment: miscellaneous CANTEEN COOKING

*Electric Cooking Centres. Effect of Lay-out on Electricity Consumption.* (Electrical Times, October 23, 1947, pp. 477-478.)

Analysis of effect of boiler lay-out on electricity consumption. Also effect of size of canteen upon electricity consumption. Of some importance to architects.

An analysis of a large number of canteens is discussed and illustrated in graph form to show the difference in consumption of electricity per meal, first when the electrode steam boiler and domestic hot water boiler are adjacent to the kitchen and, second, when detached. Considerable economy in electricity appears to result with the first arrangement. Graphs also illustrate the effect of size of kitchen, in terms of number of meals supplied, upon the quantity of electricity per meal. It is claimed that the data proves the arrangement suggested by the Ministries of Health and Works is uneconomic.

#### 27.6 furniture and fittings KITCHEN FITMENTS

*Kitchen Fitments. Interim Recommendations.* H. E. Hope. (Commonwealth Experimental Building Station [Australia]. July, 1947. 1s.)

Study of dimensions of kitchen fitments, storage capacities and bench areas in minimum kitchens. 35 pp.

This study of kitchen fitments does not add a great deal to existing information, but is a useful document as it draws together the

results of previous studies made in England, USA, and Australia. Information from these previous studies is compared in tables. Some original work is also described, including a survey of six Australian small house kitchens. One detail worth noting is the rejection of the present British Standard toe space of 3 in. high in favour of 4 in. The 3-in. height is considered too low for easy cleaning.

#### REFERENCE BACK

13.11.31.747. We understand from Sars Laminated Wood Products Ltd. that the word "compreg" is one of their registered trade marks. The words "compreg" and "compregnated" should not, therefore, be used generically.

*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

#### 2923 WAGE INCREASES

**Q** A tender was submitted by a builder on September 24, 1947, for a building at a school and accepted. A contract for the work was signed on October 4, 1947; but operations did not begin until December 10, 1947.

Meanwhile, the builder has notified me that wages in the Building Industry have been increased by 3d. an hour for craftsmen and 2½d. per hour for labourers, and claiming an extra on the contract sum accordingly. A pre-war set of conditions was used for the contract which does not cover variations in wages.

Would you advise me if the builder's claim is in order? If so, I presume that application should also be made for a corresponding increase in the value of the Building Licence granted.

**A** If the contractor has signed a contract containing conditions similar to those in the pre-war RIBA form, in which the Contract Sum is not subject to variations as a result of increases or decreases in prices of materials and rates of wages, the Employer is not bound to pay for the increase referred to in your letter.

If the contractor genuinely did not allow for such an increase he is in an unfortunate position, and the employer may wish to make an *ex gratia* payment, but it is rather extraordinary that the contractor was unaware on October 4 that such an increase was likely to occur.

If the starting date has been postponed as a result of architect's instructions, the contractor is entitled to any extra costs not reasonably contemplated at the signing of the contract, including the extra cost of carrying out the preliminary work after the date when the increase took place instead of before.

Should the Contract Sum be increased, for any reasons at all, an application should be made for a supplementary licence.

*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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## Buildings Illustrated

House in Switchback Road, Maidenhead, Berks (pages 566-567). Architect, E. C. P. Allen, A.R.I.B.A., A.A.D.I.P.L. General contractor, H. T. Oliver & Sons. Contract price, £1,420; price per foot cube, 1s. 4d. Sub-contractors: Henry J. Greenham (1929), Ltd., Dutch facing bricks; W. M. Colt (London) Ltd., cedar shingles; Gusterson Heating Co., Ltd., central heating; Candy & Co., Ltd., grates; Ideal Boilers & Radiators, Ltd., boiler; G. W. Franklin & Son, electric wiring and bells; John Boulding & Sons, Ltd., sanitary fittings; Yannedis & Co., Ltd., door furniture; Mellows & Co., Ltd., metal windows and folding doors; Mellows & Co., Ltd., and Yannedis & Co., Ltd., window furniture; Saml. Elliott & Sons, oak work to staircase and H. T. Oliver & Sons, other joinery; W. W. Jenkins & Co. Ltd., marble hearths and surrounds; W. Wood & Sons, Ltd., and J. Waterer, Son & Crisp, Ltd., shrubs and trees.

## Announcements

Messrs. Hugh Roberts & Davies, F.A.R.I.B.A., have moved their London office to: 27, Grosvenor Place, London, S.W.1; Telephone: Sloane 7118-9. The address of their Bath office remains unchanged as follows: 7, Brock Street, The Circus, Bath, Somerset; Telephone: Bath 4112. They will be pleased to receive trade catalogues at both these addresses.

The Mitchell Prize for the most distinguished Art Student at the Regent Street Polytechnic has been awarded to J. L. Mayo, of the School of Architecture.

Mr. Joseph Babbs, A.I.A.S., F.I.Q.S. (Joseph Babbs and Partners), Quantity Surveyors, has opened a branch office at 45, Great Peter Street, Westminster, S.W.1, at which address he will be pleased to receive trade catalogues, etc.

The Brimac Electrical Co., Ltd., whose head office and works address is Britannia Works, Wharfedale Road, Tyseley, Birmingham, 11, have opened a London office at 121, Victoria Street, S.W.1. Telephone number—Victoria 9778 (2 lines). This office will be closed on Saturday mornings. The company hope that their customers, and trade friends, will find the London office a convenience in dealing with any urgent matters. All normal and routine correspondence should still be addressed to the head office in Birmingham. It is not intended to carry any stocks in London if, and when, these become available.

Mr. John C. Mills, who left the Zinc Alloy Rust-Proofing Co., Ltd. in 1946, has resumed active participation in the business at Wolverhampton, and has been re-elected a Director.

The Timber Control announces that Mr. S. C. Rasmusen, who joined the Control in October, 1939, has retired from the post of Assistant Controller in the Plywood Department.

From now on all correspondence for Mr. S. Agnew Mercer, F.R.S.A., F.I.B.D., advertising and architectural artist, should be sent to 34, North Bar Without, Beverley, East Yorks; telephone Beverley 376; or 6, Wright Street, Hull, E. Yorks.

As a practical help for students taking Timber Technology Classes, the TDA has published a Handbook of Examination Papers.

It is hoped to publish a new edition each year. Copies can be obtained at a cost of one shilling on application to:—The Education Secretary, Timber Development Association, 75, Cannon Street, London, E.C.4.

Mr. Thomas Scott has been promoted to the post of Senior Architect in the Public Works Department of Nigeria. He joined the Nigerian Public Works Department in 1925 and since then has been in charge of building projects in many parts of the country, designing offices, schools, hospitals and mosques.

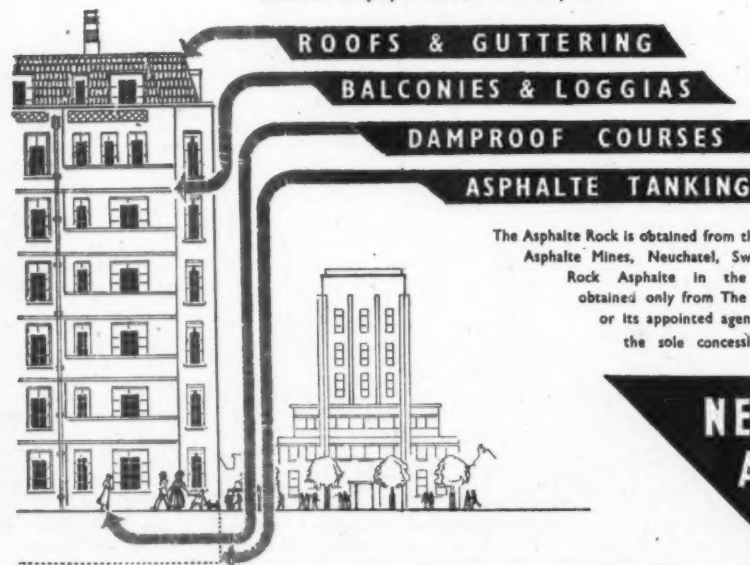
The Minister of Works has authorised higher selling prices for clay roofing tiles and fittings, because of recent increases in fuel and freight costs. The price increases already operative are as follows:—The South Eastern Brick and Tile Federation: For both machine-made and handmade tiles an increase of 4s. 6d. per thousand and corresponding increases for fittings. The Midland Federation of Brick and Tile Manufacturers: For machine-made and hand-made tiles an increase of 5s. and 10s. per thousand respectively and corresponding increases for fittings. All other Associations and firms: For tiles and fittings an increase of 5 per cent.

## Obituary

We regret to record the death of Mr. William Thomas Benslyn, F.R.I.B.A., A.R.C.A., of Birmingham. For many years he acted as consulting and later as full-time architect to the Birmingham Education Committee.

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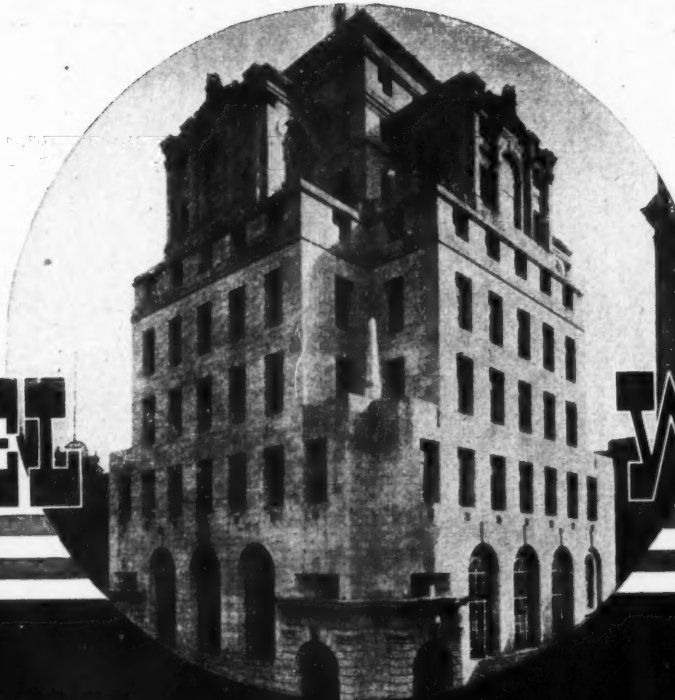




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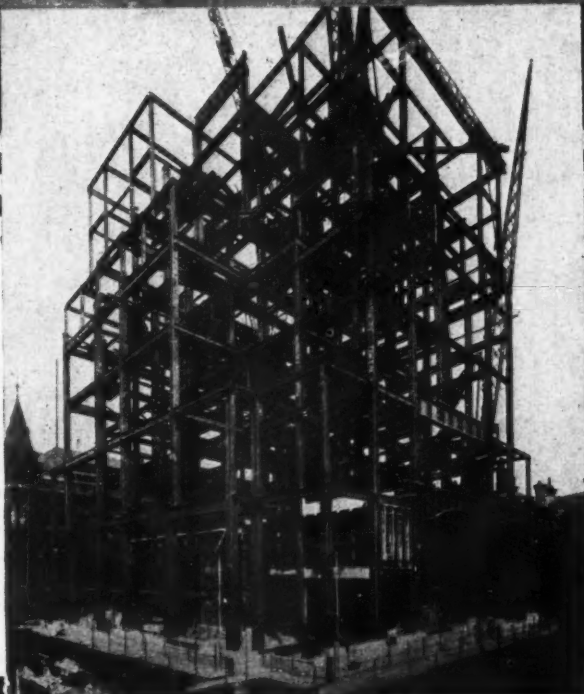
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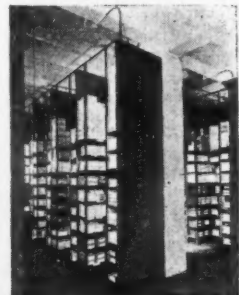
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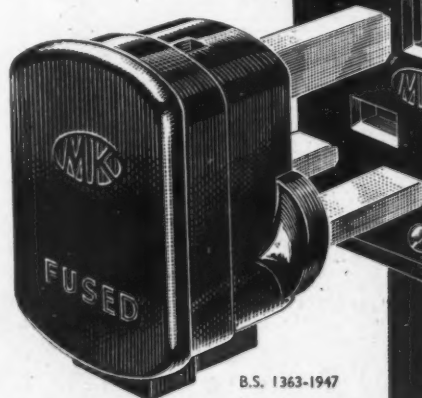
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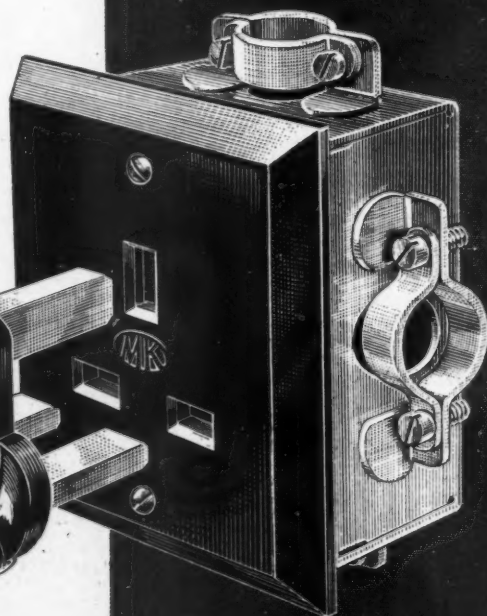
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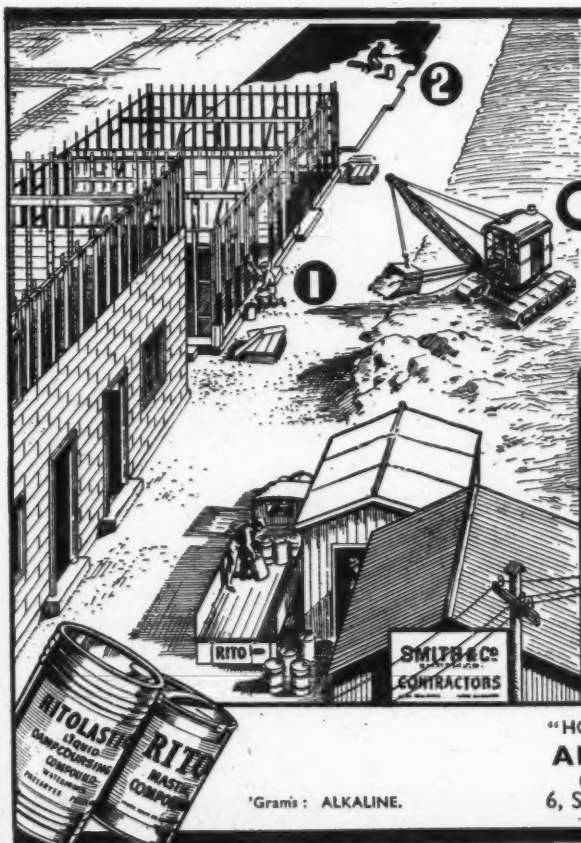
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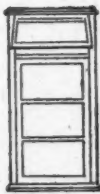


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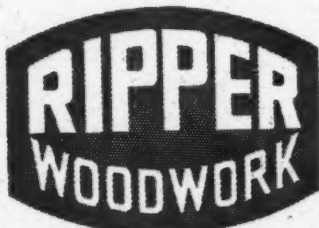
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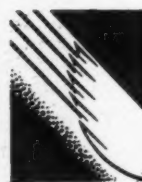


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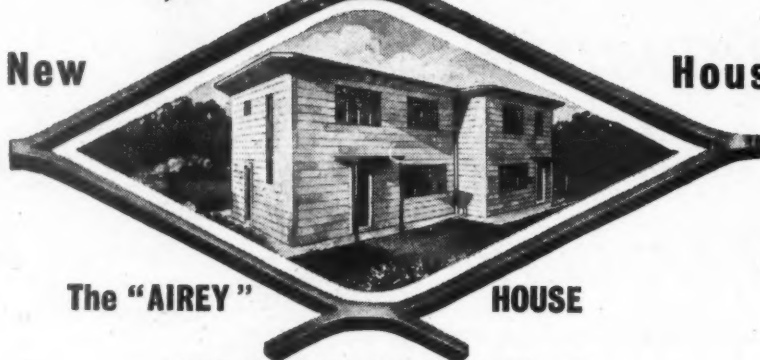
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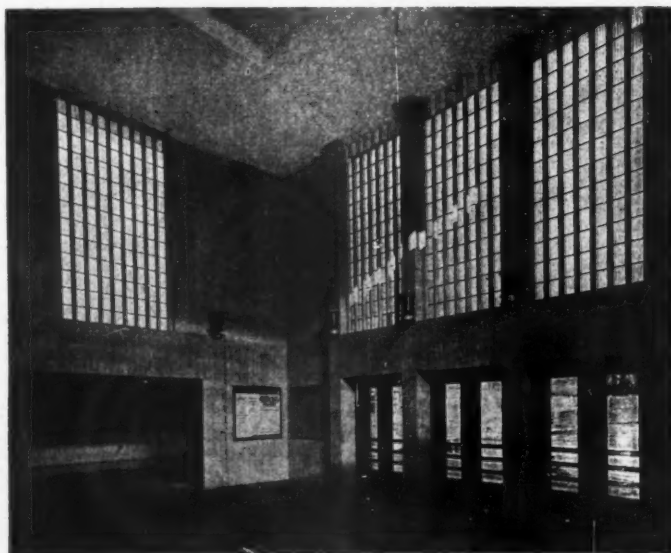
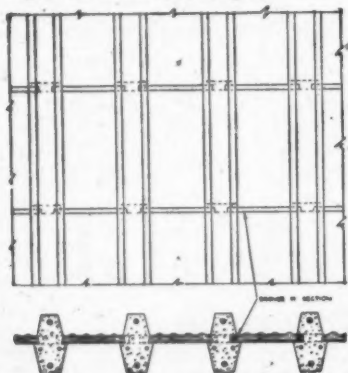
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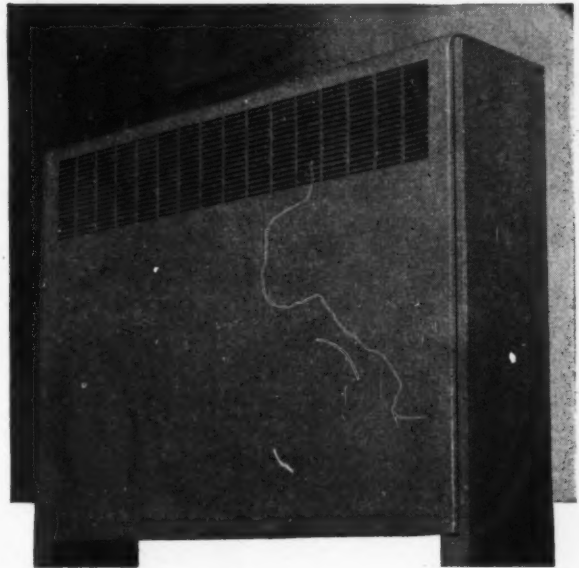


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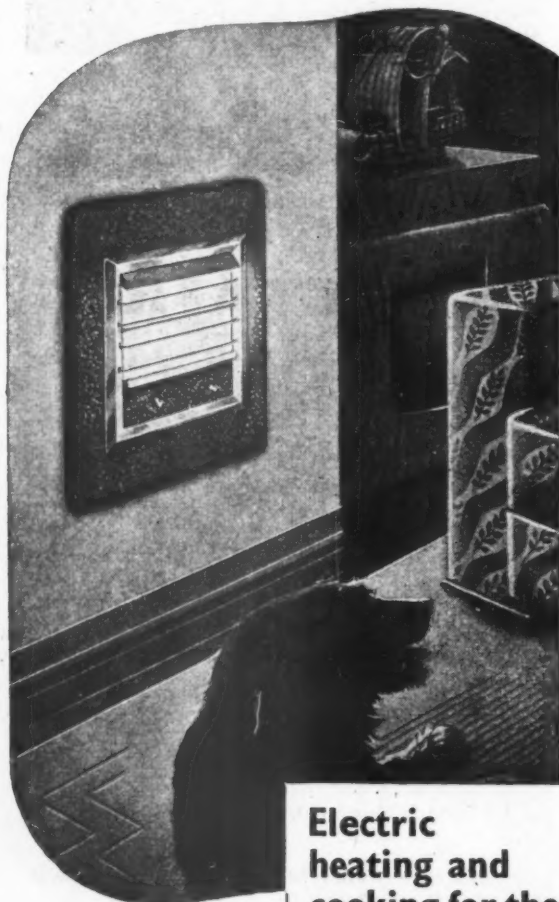
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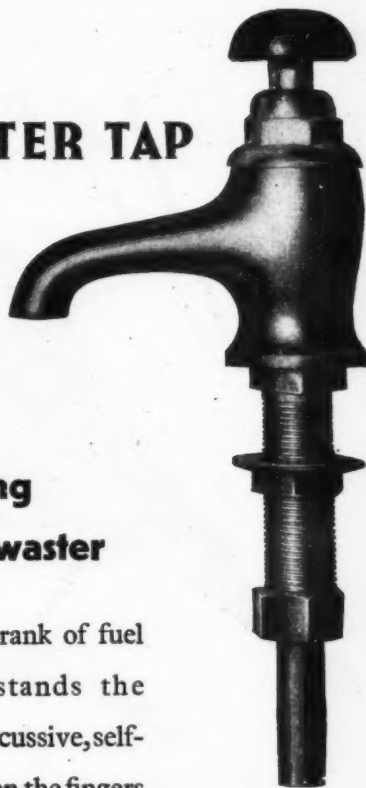
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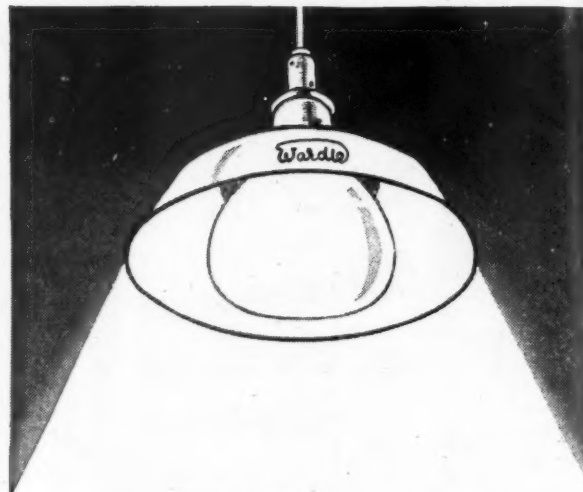
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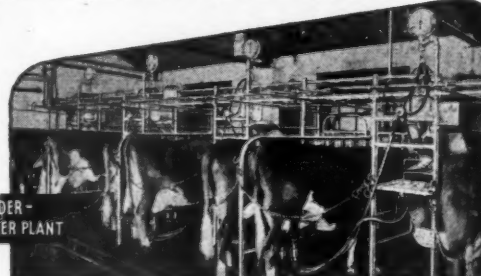
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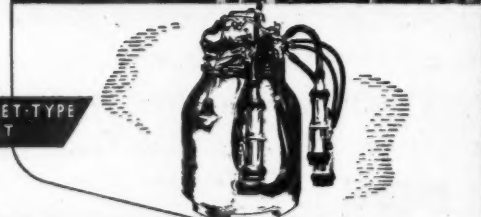
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## CLASSIFIED ADVERTISEMENTS

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

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

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 Engagement Order, 1947, or the vacancy is for employment excepted from the provisions of that Order.

## Public and Official Announcements

6 lines or under. 14s.; each additional line, 1s. 6d.

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: 75, Batson Place, London, S.W.1. Tel. Sloane 5618. 991

## LONDON COUNTY COUNCIL. COUNTY OF LONDON PLAN-VACANCIES FOR PLANNING STAFF.

Applications are invited for positions in the following grades:—

PLANNING OFFICER, Grade III, up to £700 a year.

TECHNICAL ASSISTANT, up to £380 a year. Commencing rate according to qualifications and experience. Opportunities for competing for permanent appointment and promotion. Successful candidates will be superannuable.

The planning work involved includes assistance in the detailed development of Reconstruction Area schemes and the preparation of revised zoning plans.

A knowledge of current town planning legislation is desirable in all cases, and candidates for Grade III positions should possess architectural, surveying or town planning qualifications.

Applications forms, obtainable from Architect to the Council, County Hall, S.E.1 (enclose stamped addressed envelope), returnable not later than 10 days from this date.

Canvassing disqualifies. (1580) 638

## BOROUGH OF LUTON. BOROUGH ENGINEER'S DEPARTMENT. TECHNICAL STAFF.

Applications are invited for the following appointments:—

(a) SENIOR ARCHITECTURAL ASSISTANTS. Salaries £535-£620-£720-£825-£900.

(b) ARCHITECTURAL ASSISTANT. Salary £420-£425-£465.

A temporary cost-of-living bonus, at present at the rate of £59 16s. per annum, will be paid in addition to basic salaries.

Applicants must be A.R.I.B.A. and have had extensive experience in the design and construction of public buildings, schools and houses, and in particular have had recent experience in the design and development of housing schemes.

In the case of appointment (a) every endeavour will be made to provide housing accommodation within a reasonable time.

Appointments will be subject to the Local Government Superannuation Act, 1937, to the conditions of service as laid down by the Council, to a satisfactory medical examination, and to one month's notice.

Applications, suitably endorsed, giving particulars of age, qualifications, experience, and present appointment and salary, together with copies of not more than three recent testimonials, should be delivered to the Borough Engineer, Town Hall, Luton, not later than Monday, the 5th January, 1948. Canvassing will disqualify.

W. H. ROBINSON, Town Clerk. 611

## Town Hall, Luton. 9th December, 1947.

## COUNTY BOROUGH OF SUNDERLAND EDUCATION COMMITTEE.

Applications are invited for the post of JUNIOR ARCHITECTURAL ASSISTANT, at salary in accordance with the National Scales, i.e., A.P.T. Grade I (£330-£415-£475), plus cost-of-living bonus, at present £59 19s. 3d.

Applicants must have passed the Intermediate Examination of the R.I.B.A., or hold equivalent academic qualifications, unless being over 25 years of age they are not yet qualified owing to war service.

The appointment will be subject to the Local Government Superannuation Act, 1937, and to the selected candidate passing a medical examination as required by the Council.

Canvassing will be a disqualification. Applications, giving full particulars, qualifications, experience, age, etc., accompanied by copies of not more than three recent testimonials, should reach the undersigned not later than Monday, 12th January, 1948.

W. THOMPSON, Director of Education. 639

Education Offices, 15, John Street, Sunderland. 16th December, 1947.

## STAFFORDSHIRE COUNTY COUNCIL.

### COUNTY PLANNING DEPARTMENT.

Applications are invited for the under-mentioned appointments:—

(a) CHIEF ASSISTANT PLANNING OFFICER-ARCHITECT PLANNER.

The person appointed will be mainly engaged on the preparation of outline and development plans, and will be expected to advise on questions of external appearance of buildings and other aspects of three-dimensional planning.

Applicants should be qualified architects, and should possess, in addition, a qualification in Planning. They should have had considerable practical experience in Planning and in the application of modern Planning legislation and technique.

The salary will be within the range £625-£950 per annum, according to qualifications and experience, plus cost-of-living bonus, at present amounting to £59 16s. per annum. The minimum commencing salary for a person who is both a Corporate Member of the Town Planning Institute and an Associate of the Royal Institute of British Architects, will be £800 per annum.

(b) AREA PLANNING OFFICER.

The person appointed will be required to assist in the preparation of outline and development plans for the County, with particular reference to the area allotted to him, and will be responsible for advising on control of development in the area. He will be provided with adequate staff for these purposes.

Applicants should be qualified Planners, and preference will be given to those who have in addition a recognised qualification in Architecture, Engineering or Surveying. They should have had considerable practical experience in Planning and in the application of modern Planning legislation and technique.

The salary will be within the range £625-£900 per annum, according to qualifications and experience, plus cost-of-living bonus, at present amounting to £59 16s. per annum. The minimum commencing salary for a person who is a Corporate Member of the Town Planning Institute, and who also possesses the required qualification in Architecture, Engineering or Surveying, will be £750 per annum.

(c) ASSISTANT PLANNING OFFICER-ENGINEERING.

The person appointed will be mainly engaged on the preparation of outline and development plans, and will be expected to advise on engineering aspects of planning and development proposals.

Applicants should be qualified Civil and/or Municipal Engineers, and should possess, in addition, a qualification in Planning. They should have had considerable practical experience in Planning and in the application of modern Planning legislation and technique.

The salary will be within the range £625-£900 per annum, according to qualifications and experience, plus cost-of-living bonus, at present amounting to £59 16s. per annum. The minimum commencing salary for a person who is both a Corporate Member of the Town Planning Institute and a Corporate Member of the Institution of Civil Engineers and/or the Institution of Municipal Engineers will be £750 per annum.

(d) ASSISTANT PLANNING OFFICER-ESTATES AND SURVEY.

The person appointed will be mainly engaged on the preparation of outline and development plans, and will be expected to advise on questions of estate management as affecting planning and development proposals.

Applicants should be qualified Surveyors and should possess, in addition, a qualification in Planning. They should have had considerable practical experience in Planning and in the application of modern Planning legislation and technique.

The salary will be within the range £625-£900 per annum, according to qualifications and experience, plus cost-of-living bonus, at present amounting to £59 16s. per annum. The minimum commencing salary for a person who is both a Corporate Member of the Town Planning Institute and an Associate or Fellow of the Royal Institution of Chartered Surveyors will be £750 per annum.

(e) ASSISTANT PLANNING OFFICER-RESEARCH.

The person appointed will be mainly engaged on survey and research work in connection with the preparation of outline and development plans and with the control of development.

Applicants should possess a University Degree in economics, geography, or a kindred subject, and should have a general background of knowledge and research experience in subjects relating to population, regional and economic geography, communications and services, and natural resources.

The salary will be on A.P.T. Grade VIII, of the National Grades, £625-£700 per annum, plus cost-of-living bonus, at present amounting to £59 16s. per annum.

(f) SENIOR PLANNING ASSISTANTS (4).

The persons appointed will be mainly engaged on the preparation of outline and development plans and reporting on proposals for development. Applicants should be qualified Planners, and preference will be given to those who have, in addition, a recognised qualification in Architecture, Engineering or Surveying. They should have had practical experience in Planning and in the application of modern Planning legislation and technique. As an alternative to those already

mentioned, a qualification in landscape architecture or forestry would be considered an advantage.

The salary in respect of one appointment will be on A.P.T. Grade VII, of the National Grades, £575-£650 per annum, and in respect of the other three appointments on A.P.T. Grade VI, of the National Grades, £535-£600 per annum, plus in each case cost-of-living bonus, at present amounting to £59 16s. per annum.

The persons appointed to the above posts will be under the direction of the County Planning Officer, and the appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; the National Joint Council Scheme of Conditions of Service as adopted by the County Council; the passing of a medical examination, and to three months' notice on either side in the case of (a), (b), (c) and (d), and to one month's notice in the case of (e) and (f).

Canvassing, directly or indirectly, will be deemed a disqualification, and relationship to any Member or Senior Officer of the Council must be disclosed.

Applications should give details of age, education, technical training, qualifications, present and previous appointments and experience, and should include copies of two recent testimonials and the names of two other persons to whom reference can be made. They should be sent to the undersigned so as to reach him not later than the 10th January, 1948, and it should be clearly stated in the top left-hand corner of the envelope to which appointment the application relates.

T. H. EVANS,

Clerk of the County Council. County Buildings, Stafford. 11th December, 1947. 639

## CITY OF YORK.

Applications are invited for the appointments of TWO ARCHITECTURAL ASSISTANTS in the City Engineer and Architect's Department, on Grade IV (£420-£465 per annum). The salaries are exclusive of cost-of-living bonus, at present £59 16s.

Applicants must hold an appropriate architectural qualification, have had good experience in general architectural work, particularly in connection with schools, and should be experienced in the preparation of working drawings and details. Preference will be given to Associates of Royal Institute of British Architects.

Applications, stating age, qualifications, and previous experience, with copies of three recent testimonials, to be sent to the undersigned not later than noon on Tuesday, 6th January, 1948. The successful applicants will be required to pass a medical examination, and the appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the terms and conditions of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Staffs. Applicants must disclose in writing whether, to their knowledge, they are related to any member of the Council or the holder of any senior office under the Council. Canvassing in any form will disqualify. Housing accommodation cannot be guaranteed.

CHAS. J. MINTER,

City Engineer and Architect. Guildhall, York. 12th December, 1947. 639

## AUSTRALIA.

### QUEENSLAND GOVERNMENT RAILWAYS. POSITIONS VACANT.

Applications will be received by the undersigned, until 31st January, 1948, from persons desiring to join the service of the Commissioner for Railways, Brisbane, Queensland, Australia, in the following capacities:—

ARCHITECTS (present salary range £575 to £699 (Australian currency) per annum).

Must be a member of a recognised Association of Institution of Architects, and be experienced in Architectural work.

Must be capable of designing major buildings—steel frame, concrete and brick.

SURVEY DRAFTSMEN (First Grade) (present salary range £445 to £573 (Australian currency) per annum).

Must submit details of Technical College Diploma or other certificate of course of training in Survey Drafting.

Must be capable of, and have had experience in, preparation and completion of working plans and sections, compilation and checking of Surveyor's work, plotting and designing new station yards, permanent way drawings, etc., with all necessary calculations, quantities and descriptions connected therewith.

Appointments may be made at a commencing salary within range stated, according to qualifications and experience.

Particulars required to be furnished by applicants and conditions of employment will be supplied on application to the undersigned.

L. H. PIKE,

Agent-General for Queensland. 409-410, Strand, London. 639

## HUCKS COUNTY COUNCIL.

### APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the above appointment, on Grade VIII (£625-£700), plus cost-of-living bonus, at present £59 19s. p.a.

Form of application, together with full particulars, may be obtained from F. A. C. Maund, County Architect, County Offices, Aylesbury, and must be returned to him by 19th January, 1948.

GUY R. CROUCH,

Clerk of the County Council. County Hall, Aylesbury. 16th December, 1947. 639



This advertisement is published by permission of the Ministry of Labour and National Service under the Control of Engagement Order, 1947.

# COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE COUNTY ARCHITECTS' DEPARTMENT.

Applications are invited for the under-mentioned appointments, on the permanent staff:—  
**JUNIOR ASSISTANT ARCHITECTS.** £330—£35—£405.  
Cost-of-living bonus is payable in connection with the appointments as follows:—Adult Male Officers, £59 16s. per annum; Adult Female Officers, £49 2s. per annum.  
The appointments will be subject to the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications, on forms obtainable from this office, must reach me not later than 5th January, 1948.

**HUBERT BENNETT, F.R.I.B.A.,**  
County Architect.  
County Hall, Wakefield. 638

**WEST SUFFOLK COUNTY COUNCIL.**  
Applications are invited for the under-mentioned appointments, in the County Architect's Department. Salaries as indicated, in accordance with the National Joint Council salary scales, plus war bonus (at present £60 per annum); position on scales according to qualifications, viz.:—  
(a) **QUANTITY SURVEYOR.** A.P.T., Grade V.VI (£460-£600).  
(b) **ASSISTANT ARCHITECT.** A.P.T., Grade V (£460-£510).  
(c) **ARCHITECTURAL ASSISTANT.** A.P.T., Grade I-II (£330-£405).

Travelling allowance in accordance with County Scale.  
Candidates in respect of (a) should be Associates of the Royal Institute of Chartered Surveyors (Quantities Division), and have experience in the preparation of Bills of Quantities, Estimates, Valuations, and Settlement of Accounts.  
Candidates in respect of (b) must be Registered Architects, preferably Associates of the Royal Institute of British Architects. They must be thoroughly experienced in Architectural Design and capable of preparing preliminary sketch plans, complete working drawings, and specifications.

With regard to (c), preference will be shown to candidates in possession of the Intermediate Examination of the Royal Institute of British Architects.

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

Forms of application may be obtained from the undersigned, by whom applications, accompanied by three recent testimonials, should be received not later than Friday, 31st January, 1948.  
**L. G. H. MURPHY,**  
Clerk of the County Council.  
Shire Hall, Bury St. Edmund's. 610

# BLACKPOOL TECHNICAL COLLEGE AND SCHOOL OF ART.

**Principal: MAURICE W. GARRIS, B.A., F.R.S.A.**  
Applications are invited for the under-mentioned appointments:—

(1) **Full-time LECTURER IN ARCHITECTURE AND BUILDING CONSTRUCTION.**  
Candidates must have passed the final examination of the R.I.B.A.; possess a high standard in Architectural Design, and a good knowledge of practical instruction; and be a registered Architect. Training in a recognised whole-time school is desirable.

(2) **Full-time LECTURER IN MATHEMATICS,** whose work will include some advanced Building Mathematics.  
Salary in each case will be in accordance with the Burnham (Technical) Scale.

Forms of application (send stamped addressed envelope) may be obtained from the Chief Education Officer, Education Department, 3, Canine Street, Blackpool, to whom they should be returned not later than 14 days after the appearance of this advertisement.

**TREVOR T. JONES,**  
Town Clerk.  
540

# RURAL DISTRICT COUNCIL OF GLOUCESTER. HOUSING SITE ALKERTON, EASTINGTON-SITE WORKS.

The Council invite tenders for roads, sewers and other site works for 40 houses at Alkerton, Eastington, Glos., plans of which can be inspected at the Council office.

Bills of Quantities, with Form of Tender, will be sent on application to the Council's Architect, Mr. C. D. Carus-Wilson, F.R.I.B.A., Hardwicke, Glos., and such application should be made to the Architect not later than the 31st December, 1947, accompanied by a deposit of £3 3s., which will be returned upon receipt of a bona fide tender.

Tenders, addressed to the Clerk to the Council, enclosed in a sealed envelope, and endorsed "Tender for Site Works, Eastington," must be received not later than Monday, the 25th January, 1948.

**W. J. KNIGHT,**  
Clerk to the Council.  
Council Offices, Berkeley Chambers,  
Gloucester.  
11th December, 1947. 633

# COUNTY OF LINCOLN—PARTS OF LINDSEY. COUNTY ARCHITECT'S DEPARTMENT. APPOINTMENT OF ENGINEERING CLERK OF WORKS.

Applications are invited for the appointment of Engineering Clerk of Works, on the permanent staff, at a salary in accordance with the National Scale of Salaries, on Grade A.P.T., III/IV, £390—£415—£465, plus cost-of-living bonus of £59 16s. per annum.

The duties will be in connection with the maintenance of and reporting and advising upon the engineering plant and installations in County Buildings and instructing caretakers in the running of boilers and plant. Candidates should have a practical knowledge of heating and electrical services.

The successful candidate will be expected to run a car, for which an allowance up to a 10 h.p. will be made on the Council's Scale. The appointment will be subject to a satisfactory medical examination.

Applications, stating age and experience, together with copies of testimonials or names for reference, to be sent to the County Architect, County Offices, Lincoln, not later than 31st December, 1947.

**H. COPLAND,**  
Clerk of the County Council.  
County Offices, Lincoln. 623

# COUNTY BOROUGH OF BURTON-UPON-TRENT. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the above-mentioned appointment in the Architectural Office of the Borough Engineer and Surveyor, at a salary of £420 per annum, subject to the National Scheme of Conditions of Service relating to Local Government Officers, and in accordance with Grade IV, A.P.T. Division, plus cost-of-living bonus, at present amounting to £59 16s. per annum.

Applicants should preferably be Corporate Members of the R.I.B.A., but persons studying for the R.I.B.A. Final examination will be considered. A good knowledge of building construction and quantities is essential.

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

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, must be delivered to me not later than 9th January, 1948.

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

**H. BAILEY CHAPMAN,**  
Town Clerk.  
Town Hall, Burton-upon-Trent.  
16th December, 1947. 647

# CITY OF MANCHESTER. CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

**PERMANENT STAFF:**  
(a) **ASSISTANT ARCHITECT** (Education Section). Basic salary, A.P.T., V, £460-£510 per annum.

**TEMPORARY STAFF:**  
(b) **ARCHITECTURAL ASSISTANT** (Education Section). Basic salary, A.P.T., III, £390-£435 per annum.

(c) **ASSISTANT QUANTITY SURVEYOR.** Basic salary, A.P.T., V, £460-£510 per annum.

A cost-of-living bonus is payable in addition to the above salaries, at present £60 per annum.  
The successful candidate for the permanent position will be required to pass a medical examination before the appointment is confirmed, and to contribute to the Corporation's superannuation fund, and to execute the Corporation's Deed of Service.

Applications on the official forms, which can be obtained from the City Architect's Department, must be returned, together with not more than three recent testimonials, to Leonard C. Howitt, B.Arch., Dip.T.P., D.P.A., F.R.I.B.A., A.M.T.P.I., City Architect, Town Hall, Manchester, by Saturday, 3rd January, 1948, endorsed for the appropriate appointment.

Canvassing in any form, oral or written, direct or indirect, is prohibited, and will be regarded as a disqualification.

**PHILIP B. DINGLE,**  
Town Clerk.  
Town Hall, Manchester, 2.  
December, 1947. 624

# KENT COUNTY COUNCIL.

Applications are invited for three appointments as **SENIOR ASSISTANT ARCHITECTS**, each at a basic salary within the range £535-£600 a year, plus war addition, at present £59 16s. a year.

The posts are superannuable, and successful candidates will be required to pass a medical examination.

Candidates must be Members of the Royal Institute of British Architects, by examination. Have previous service with a Local Authority, be experienced in the design, construction and supervision of educational or other County Buildings, and be fully competent to take charge of projects.

Applications, on forms obtainable from the County Architect, Springfield, Maidstone, should be delivered to him not later than the 17th January, 1948.

**W. L. PLATTS,**  
Clerk of the County Council.  
County Hall, Maidstone.  
12th December, 1947. 643

# Competition

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

# ROINN POIST AGUS TELEGRAFA. COMPETITION FOR DESIGNS FOR PUBLIC TELEPHONE KIOSKS.

The Minister for Posts and Telegraphs invites competitive designs for Public Telephone Kiosks of standardised character. The Assessors in the Competition are Professor J. V. Downes, B.Arch., F.R.I.A.I., F.R.I.B.A., Mr. C. MacFhionnaich, B.Arch., F.R.I.A.I. and Mr. Raymond McGrath, B.Arch., F.R.I.B.A.

Premiums of £250, £70 and £25 are offered. Application for the Conditions of the Competition should be made to An Rúnal, Roinn Poist agus Telegraif, Baile Átha Cliath, and should be received by him not later than 12th January, 1948. 644

# Architectural Appointments Vacant

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

**ARCHITECTURAL ASSISTANT** required immediately in London office; must be good draughtsman of intermediate standard; some experience of industrial buildings an advantage. Box 963.

**ASSISTANT ARCHITECT** required (Inter. R.I.B.A. standard), for industrial work. Apply, stating age, experience, and salary required, to Johnson & Crabtree, 20, Priory Place, Doncaster. Box 614.

**ARCHITECTURAL ASSISTANT** required in Gloucestershire office; Intermediate R.I.B.A. standard; experience in housing desirable. Further particulars from Box 621.

**ARCHITECTURAL ASSISTANT**, with qualifications, required at once by Leicester firm of Architects; prospects of permanency; salary, £460-£520 p.a.; industrial, university, and farm buildings design. Apply, with brief particulars, to Box 636.

**GROUP Practice** in Suffolk urgently requires **SENIOR ASSISTANT**; accommodation will be provided. Write, stating age, qualification, experience, and salary required, Box 627.

**DRAUGHTSMAN** required, experience as Checker, for North London Building Specialists. Full particulars and salary required to Box 629.

**ARCHITECTURAL ASSISTANT** required in a small practice, 25 miles North of London; salary about £400, according to qualifications and experience. Box 637.

**DRAUGHTSMAN**, with Architectural training, for Exhibition Designing and Detailing. David Esdaile & Co., 30, Stannary Street, Kennington, S.E.11. Reliance 1666. 649

**SEELY & PAGET, F./L.R.I.B.A.**, require fully qualified ASSISTANT: must be experienced working drawings and specifications, with sound knowledge of all normal methods of construction; licensed work now in hand includes many important Ecclesiastical commissions. Apply by letter, giving usual details, to 41, Cloth Fair, E.C.1. 648

**ARCHITECTURAL ASSISTANT** required; R.I.B.A.; Intermediate standard; good draughtsman. Apply, stating age, experience, and salary required, to Farmer & Dark, Chartered Architects, Terminal House, Grosvenor Gardens, London, S.W.1. 545

**QUANTITY SURVEYOR** required by Consulting Civil Engineers for civil engineering and building work for new Electricity Generating Stations; candidates need not hold a professional qualification, but should be well versed in taking off and billing all descriptions of civil engineering and building work, including steelwork and reinforced concrete; salary in accordance with qualifications up to £700 per annum; Superannuation Scheme in operation. Full details required, with first application, to C. S. Allott & Son, 1, North Parade, St. Mary's Parsonage, Manchester, 3. 646

## Architectural Appointments Wanted

**ARCHITECT**, chartered, graduate of Liverpool, 18 months' practical experience in all classes of work, chiefly schools, requires position in or about Liverpool as Assistant; salary £500. Box 6.

**STUDENTS**, R.I.B.A., with experience of working drawings, designing, surveying and levelling, requires position. Box 13.

## Other Appointments Vacant

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

**EXHIBITIONS DRAUGHTSMAN** (Senior), with architectural training; experienced in design and construction of displays. Send full particulars to Warnett Kennedy & Associates, 11, Bentinck Street, London, W.1.

**ASSISTANT ESTIMATOR**, well experienced in estimating of all classes of Joinery Work, required by Sharp Bros. & Knight, Ltd., of Burton-on-Trent. Reply, in confidence, giving age, experience, and salary required, to Mr. S. R. Sharp, Dove Cliff, Stretton, Burton-on-Trent. 556

**COMPETENT JUNIOR SHORTHAND TYPIST** required in London Architect's office; small staff and interesting work. Reply, stating experience, age, and salary required, to Edward Armstrong, F.R.I.B.A., 19, Manchester Square, W.1.

## Services Offered

4 lines or under, 2s. 6d.; each additional line, 1s.

**REGISTERED ARCHITECTS AND SURVEYORS**, North-East Coast, with large offices and staff, offer Assistance to Private Practitioners, Local or Other Authorities; would undertake to assist in or carry out Contracts in any part of the country; first-class surveying staff available, who will travel anywhere to measure up and prepare drawings of existing buildings. Box 622.

**PRACTISING CHARTERED ARCHITECT AND SURVEYOR** offers Assistance to the Profession in the Provinces or London; terms by arrangement. Box 547.

**CONTINENTAL ARCHITECT** offers home work; designs, working drawings, film sets, perspectives, etc. Phone FIN. 0143 or write Box 635.

## For Sale

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

**ADJUSTABLE Draughtsman's Imperial Table**, with drawer; new; £3. Apply 44, Park Road, New Barnet. Box 528.

## GLOUCESTERSHIRE COUNTY COUNCIL FOR SALE

(1) Onyx Marble Bathroom Fittings, including: Bath; Lavatory Basin, with large marble surrounds; w.c. and Bidet, and two large fitted Mirrors; magnificent Bathroom complete; all in excellent condition; now installed in a County Mansion.

(2) Two large Dressing Room Built-in Wardrobe Fittings (easily taken apart); one 2 ft. 1½ in. and one 2 ft. 7 in. deep by 13 ft. long by 8 ft. 5 in. high, comprising hanging cupboards and moth-proof sliding traps.

(3) Glass Chandelier, with 24 electric candles; believed to be 18th century fitting; in excellent condition.

Offers are invited for the above. The lot will be sold together or separately. May be seen by appointment.

Apply to County Architect, Shire Hall, Gloucester.

GUY H. DAVIS,  
Clerk of the County Council.  
632

## Miscellaneous

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

**A. J. BINNS, LTD.** Specialists in the supply and fixing of all types of fencing, guard rail, factory partitions and gates. Harvest Works 99-107, St. Pauls Road, N.L. Canonbury 2061

**NEWER HEAT DISPLAY**, Building Centre Conduit Street, W.1. New solid-fuel appliances. New heating methods. New standards of home comfort. Open 10-5. Organised by the Coal Utilisation Joint Council.

**OFFICES**, 3-5 rooms, required in London by Architect and Surveyor; rent or purchase whole building; Box 85, Coopers, Ltd., 11, King Street, Cheapside, E.C.2.

**PERSPECTIVES**, Wash Drawings, Lettering. For every kind of activity demanding the expert use of pencil, pen and brush. R. Lavery, 44, Aldershot Road, Guildford, Surrey. 904

**FENCING FOR ALL PURPOSES**—Supplied and erected; established 100 years. Parker, Winder & Achurch, Ltd., 20, Broad Street, Birmingham, 1.

**PARQUET** and other kinds of Wood Floors repaired, resurfaced and polished by latest machine method; new floors, including rubber flooring, supplied and laid; panelling restored; charges moderate, estimates free. Davis Parquet Resurfacing, Ltd., Grove Hall Court, London, N.W.8. Phone: CUNningham 3205/6.

## COURSES IN PREPARATION FOR

## R.I.B.A. Intermediate and Final

conducted by post for the full examinations or for selected subjects only. A descriptive booklet is obtainable on application to

## THE ELLIS SCHOOL OF BUILDING

Principal: A. B. Waters, F.R.I.B.A.

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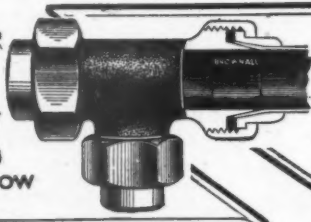
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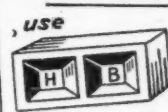
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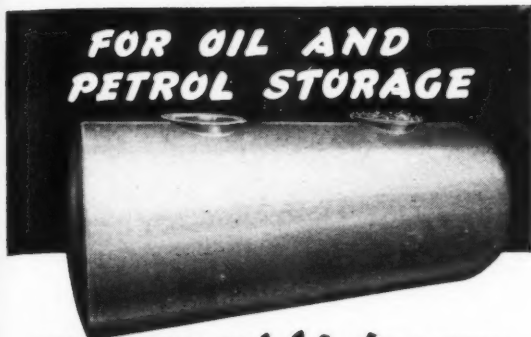
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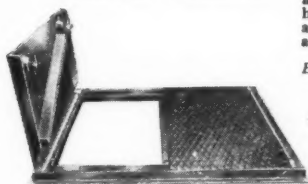
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