

# THE ARCHITECTS' JOURNAL



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

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. 75, Eaton Place, S.W.1.	Sloane 3158
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
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IR	Institute of Refrigeration. Empire House, St. Martin's-le-Grand, E.C.1.	Monarch 7391
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, Cedars Road, Clapham, S.W.4.	Macaulay 4451
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. 22A, Queen Anne's Gate, S.W.1.	Whitehall 3935
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbeldon, S.W.19.	Wimbeldon 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
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1.	Abbey 7244
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
SIA	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.	City 6146 (3 lines)
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

## standard contents

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

## NEWS and COMMENT

Diary

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Letters

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Information Centre

Current Technique

Questions and Answers

Prices

The Industry

## PHYSICAL PLANNING SUPPLEMENT

## CURRENT BUILDINGS

## HOUSING STATISTICS

Architectural Appointments Wanted and Vacant

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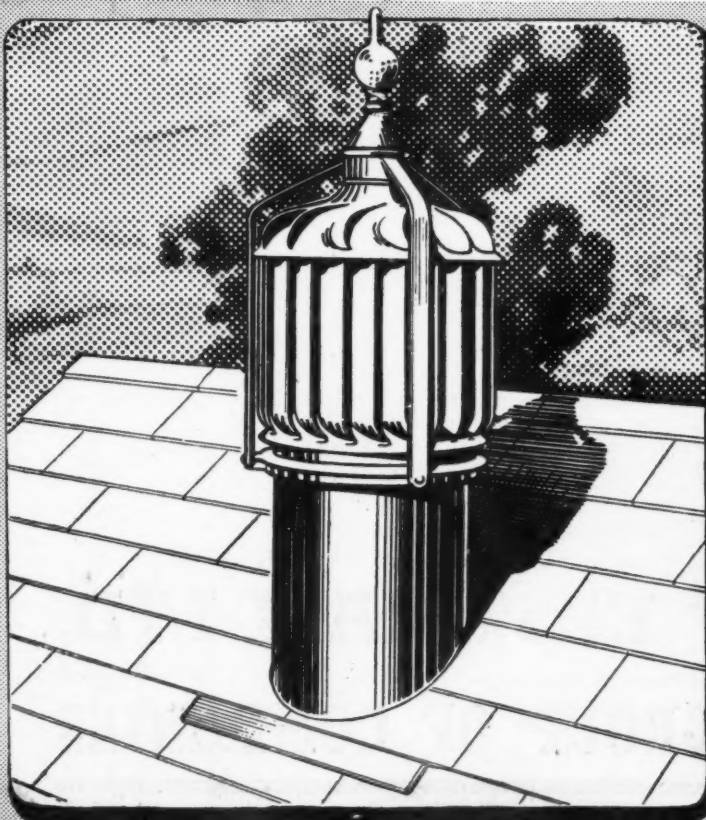
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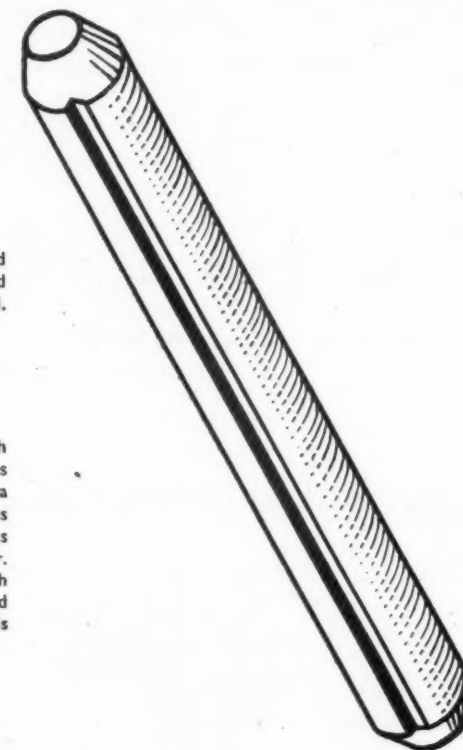
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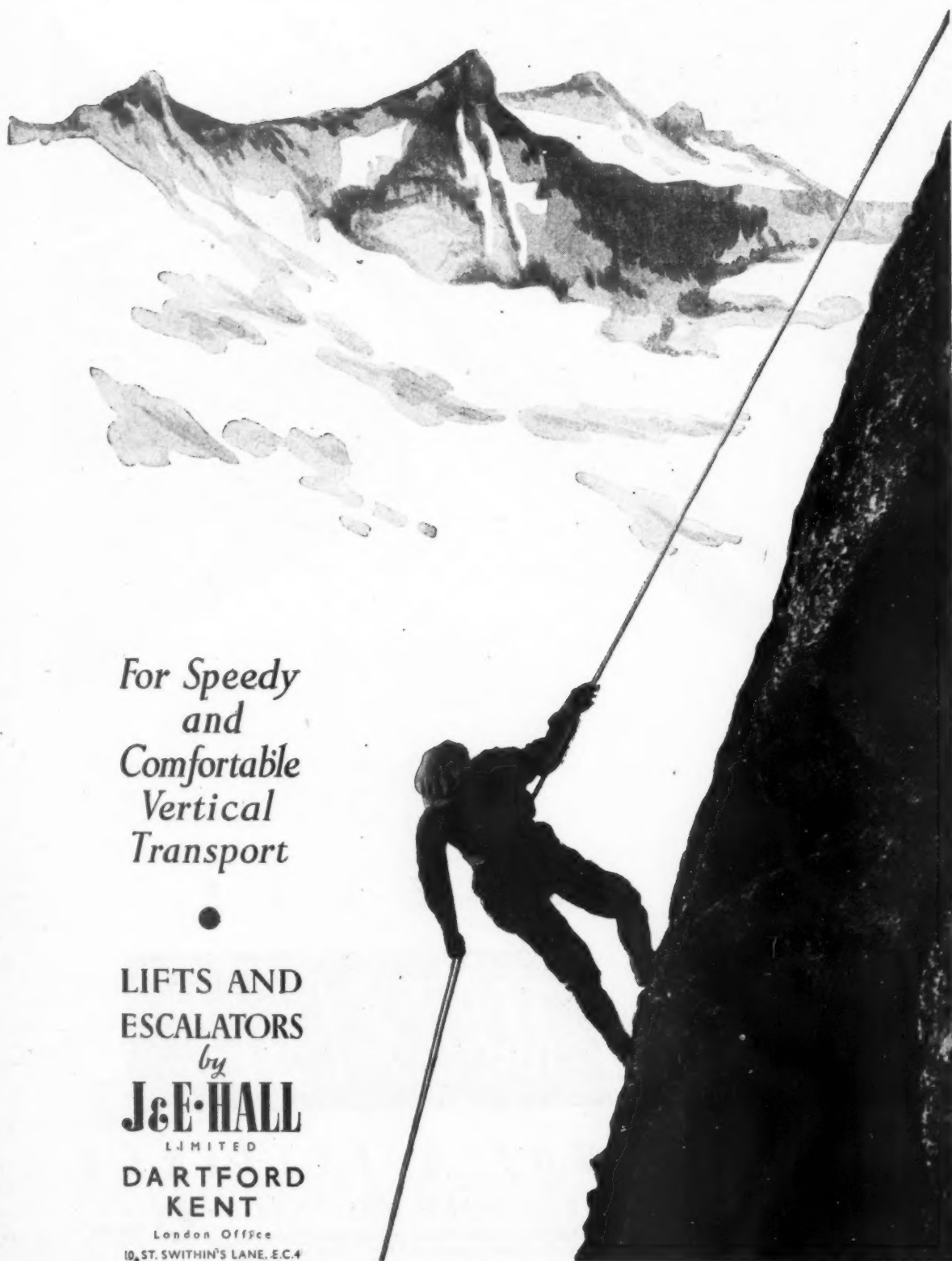
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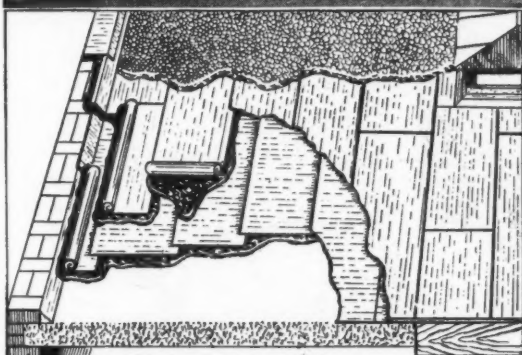
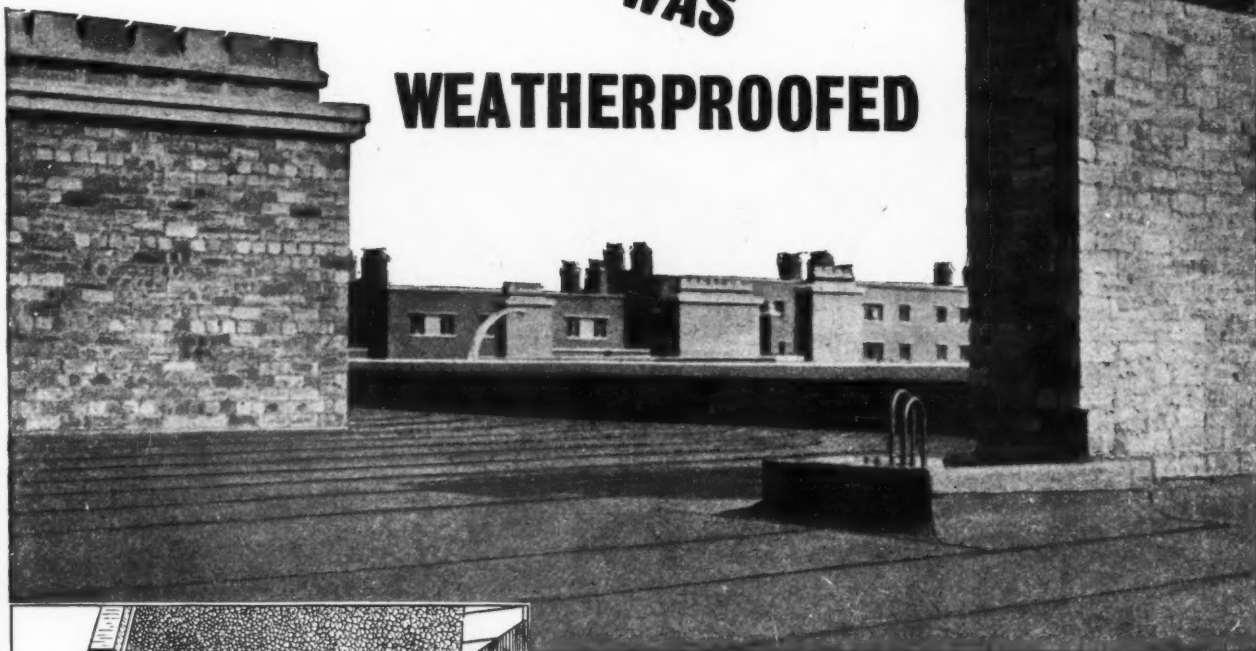
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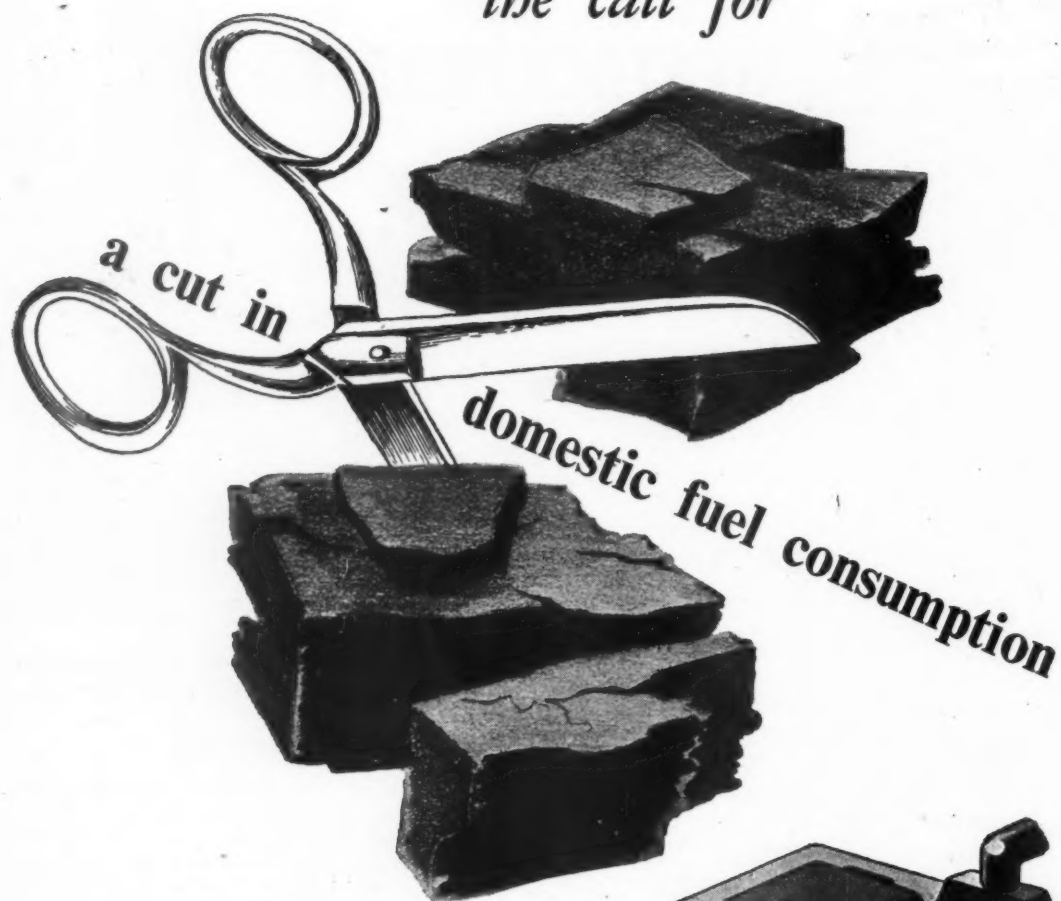


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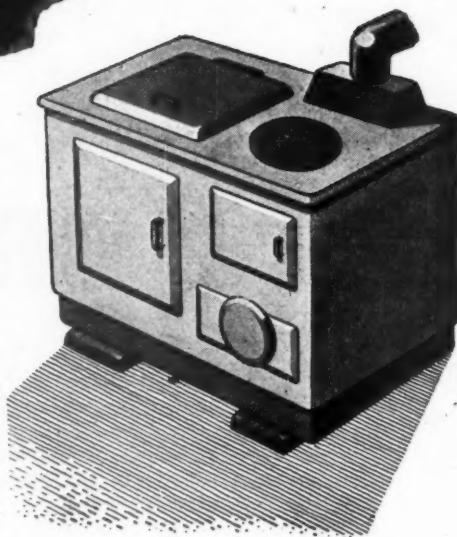
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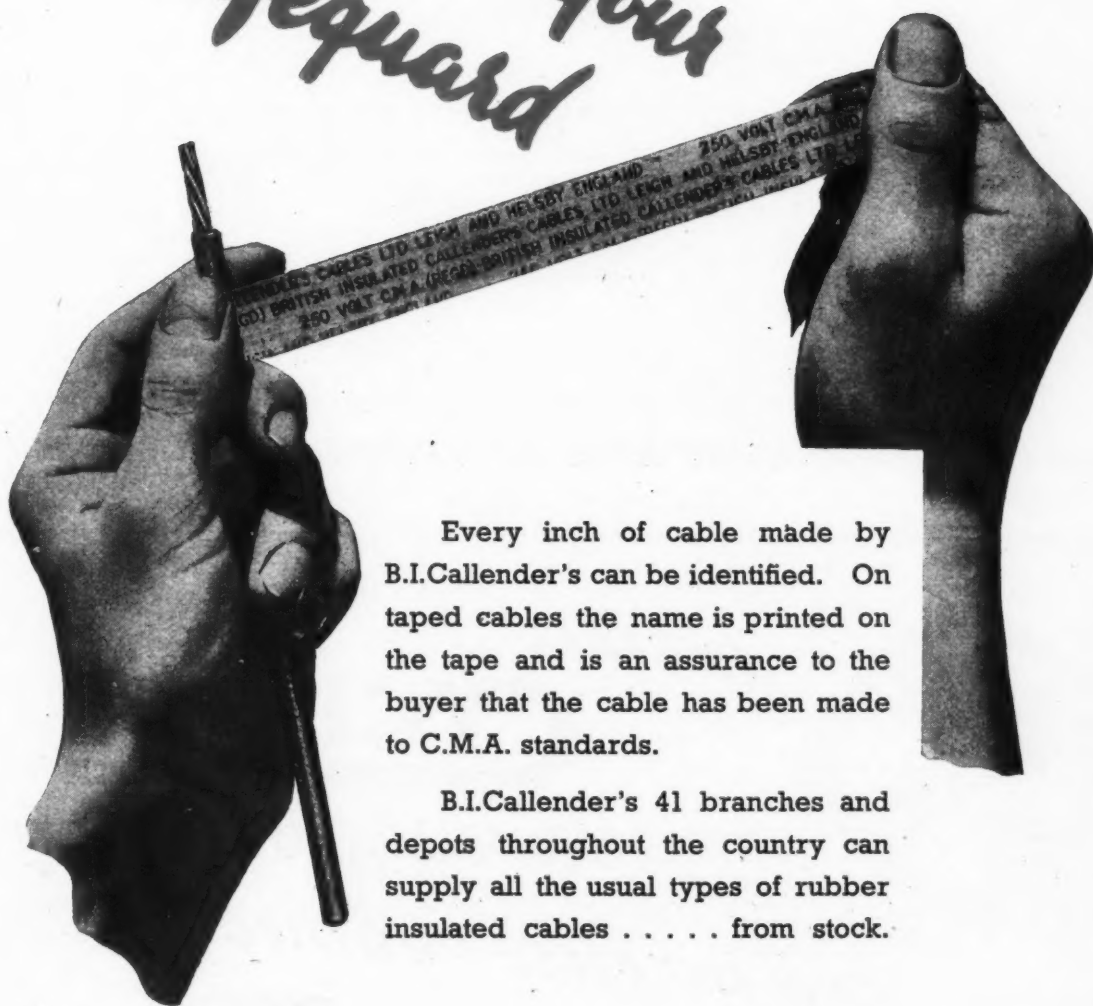
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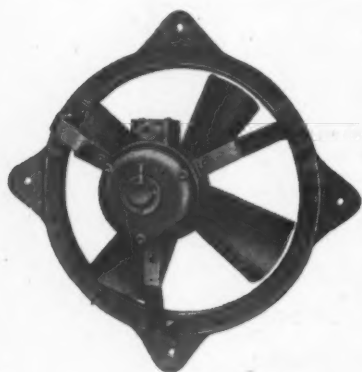
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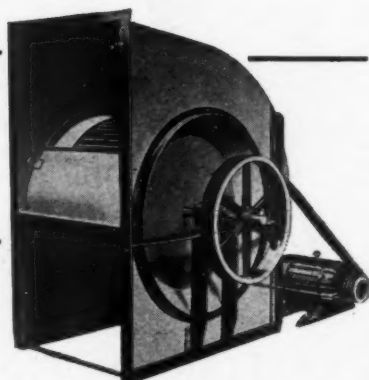
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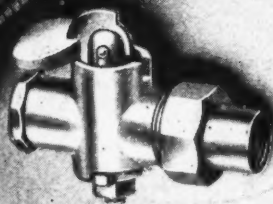




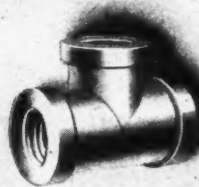
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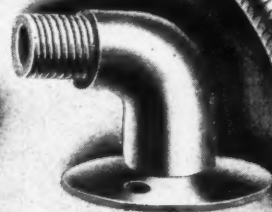
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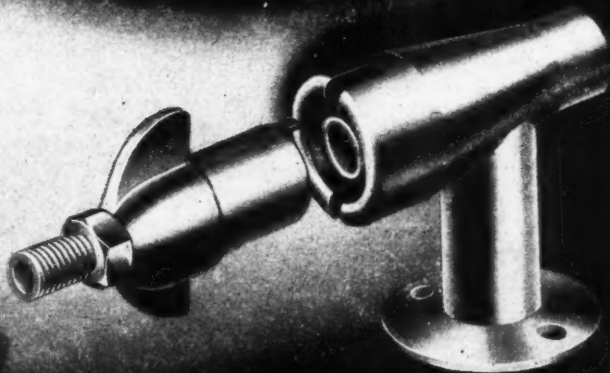
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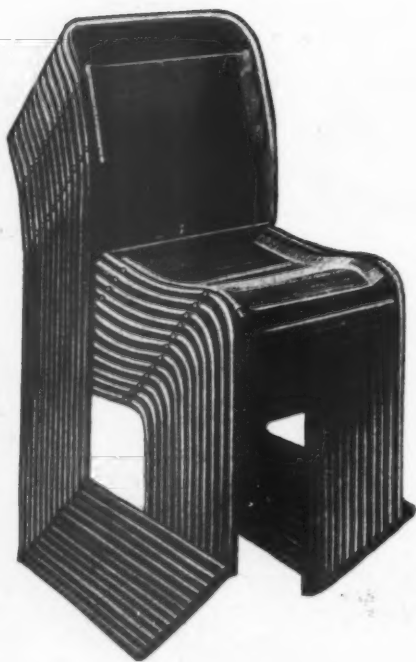


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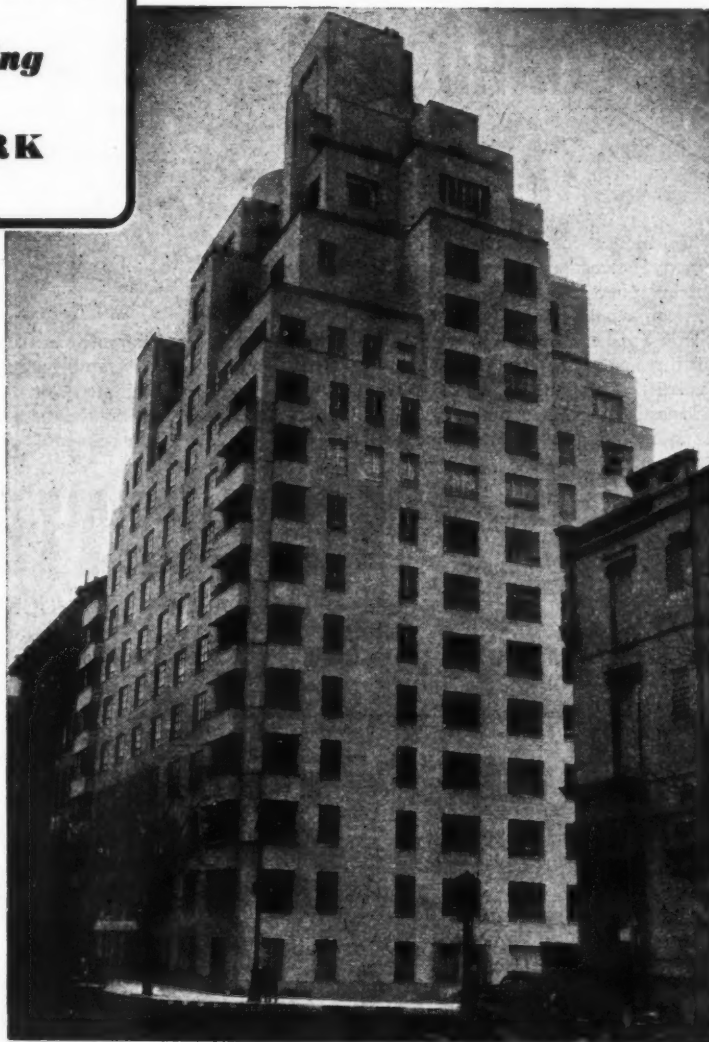
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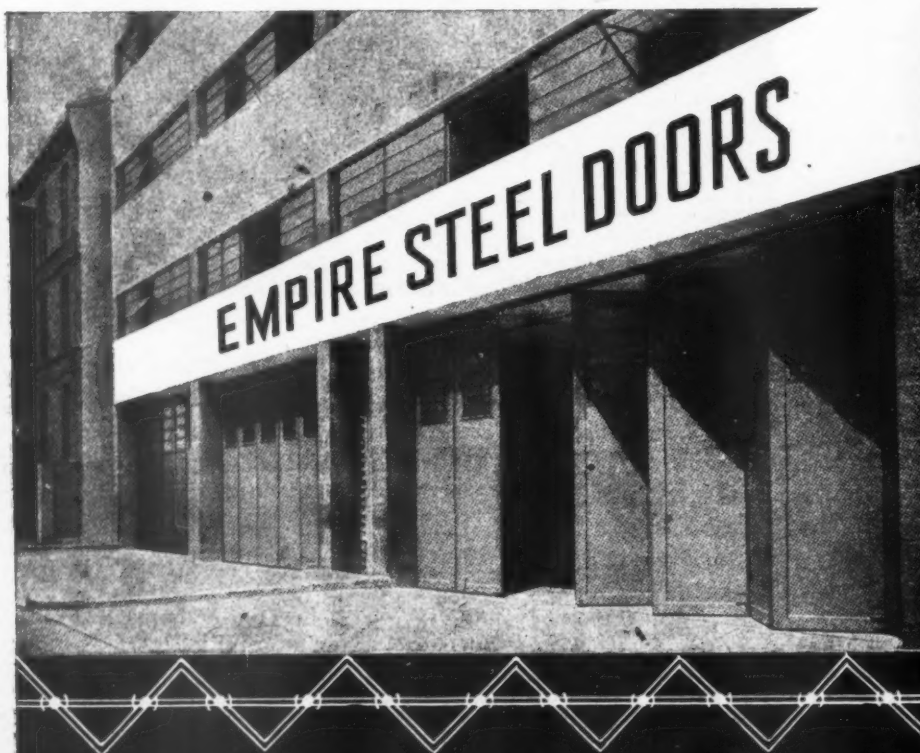


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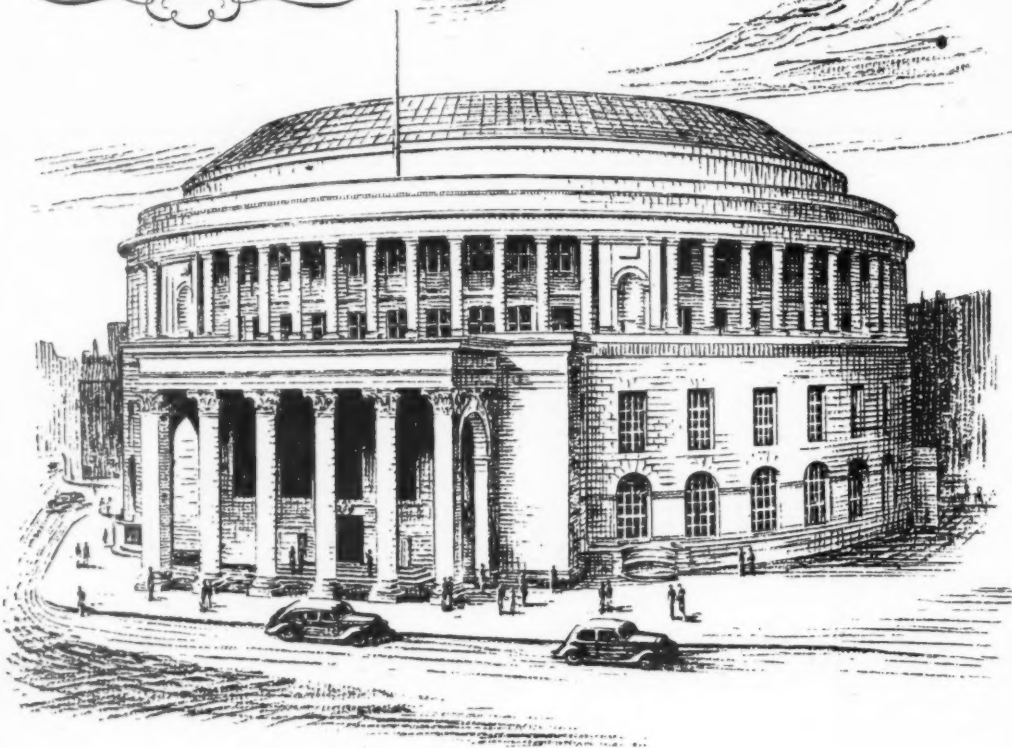
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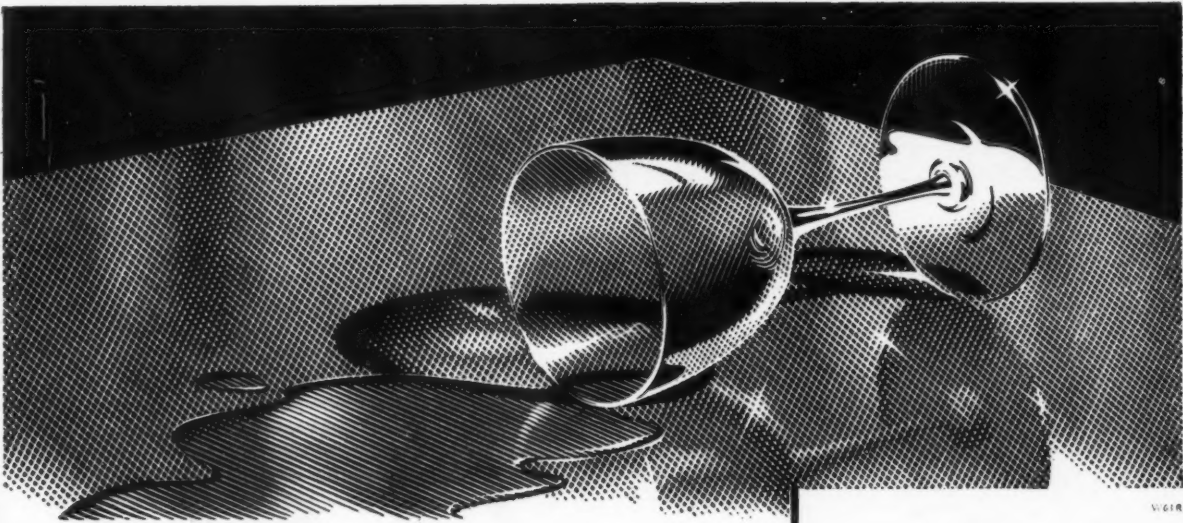
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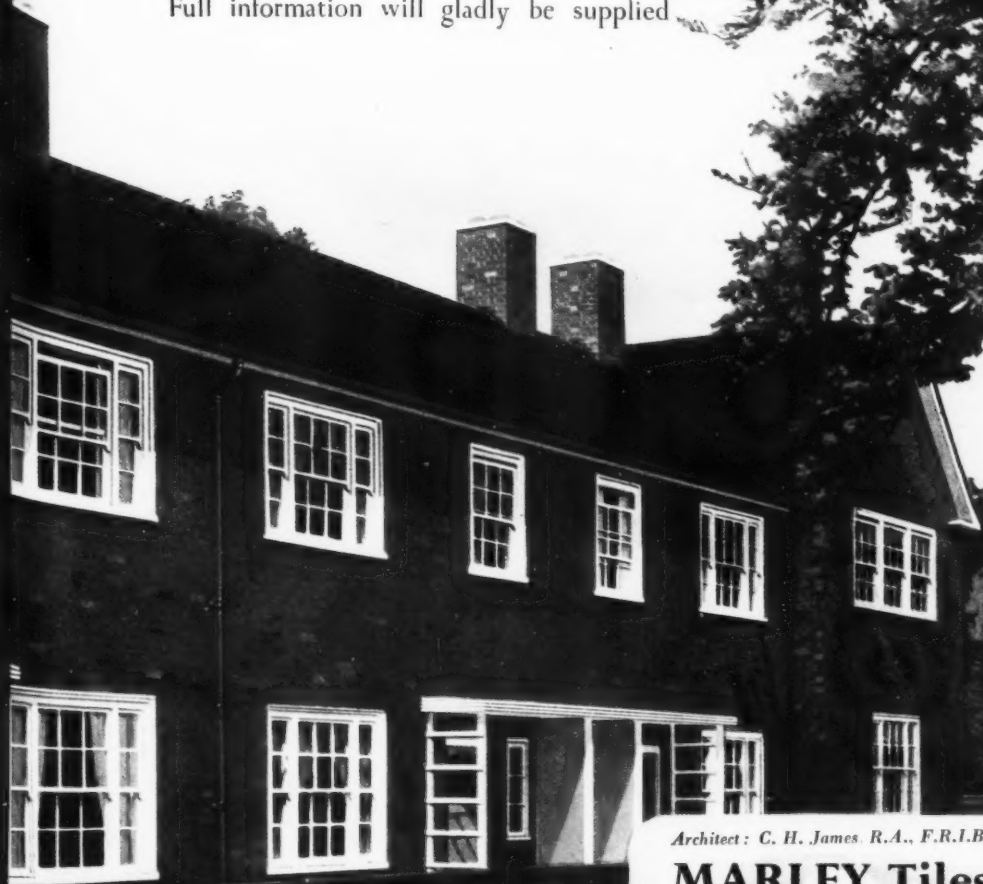


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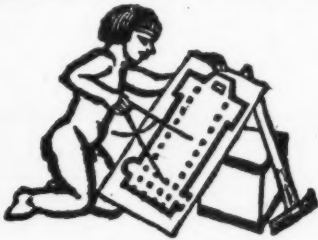
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In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their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



## DIARY FOR JUNE JULY AND AUGUST

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

**ABERDEEN.** *RIAS Thirty - Second Annual Convention.* In the Art Gallery, Schoolhill, Aberdeen. (Sponsor, RIAS.) JUNE 4 AND 5

**CARDIFF.** *One-Day School on the Town and Country Planning Act, 1947.* W. A. Wood of MOTCP will lecture on (1) *Compensation and Development Charges*, (2) *The Planning Machine*, (3) *Land Purchase*. At the Reardon Smith Lecture Theatre, Cardiff. (Sponsor, TCPA.) 10.30 a.m. JUNE 5

**CHATHAM.** *Visit to Fort Luton School.* (Sponsor, S.E. Society of Architects, Maidstone Group.) JULY 10

**EDINBURGH.** *TPI Twenty - Second Annual Country Meeting.* June 4. Meeting in Merchants' Hall, 22, Hanover Street. R. Gardner-Medwin. *Scottish Planning Problems.* Followed by discussion. 3 p.m. Max Tetlow. *The Regional Controller's Point of View.* Discussion. 7.30-9.30. Reception at the City Chambers. Host, the Lord Provost. June 5. 9.45 a.m. Motor coach tour of City. 7.15. Dinner at Caledonian Hotel. June 6. 8.45 a.m. Whole-day coach tour. The headquarters of the party will be at the North British Station Hotel. (Sponsor, TPI.) JUNE 4-6

**GATESHEAD.** *RSI Gateshead Sessional Meeting.* Lt.-Col. G. Perry. *The Planning of Industrial Estates.* Afternoon visits to Queen Elizabeth Hospital and Sheriff Hill Isolation Hospital, Gateshead, Shipcote Baths and the Team Valley Trading Estate. At the Greenesfield Health Centre, Mulgrave Terrace, Gateshead. (Sponsor, RSI.) JUNE 26

**LONDON.** *Darkness into Daylight Exhibition.* At the Science Museum, South Kensington. (Sponsor, Science Museum.) UNTIL SEPTEMBER 30

*Coalite Exhibition.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) UNTIL JUNE 14

*New Schools Exhibition.* At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) Weekdays 10-6, Saturdays 10-5. UNTIL JUNE 19

*Exhibition of Metropolitan Housing Layouts.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) UNTIL JUNE 26

*Discussion on the 4th Edition of the Standard Method of Measurement of Building Works.* To be opened by P. T. Walters.

At Caxton Hall, Westminster. (Sponsor, IAAS.) 6.30 p.m. JUNE 7

Lord Faringdon. *The Faringdon Report.* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 6.15 p.m. JUNE 9

Arnold Whittick. *Beautiful and Ugly Housing.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Buffet lunch 12.45-1.15 p.m., 2s. 6d. Lecture 1.15-2.15 p.m., 6d. JUNE 15

R. B. Hounsfeld. *Are Railways the Key to Planning?* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 6.15 p.m. JUNE 16

Cynthia Wood. *Housing in Rural Wales.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, H.C.) Buffet lunch 12.45-1.15 p.m., 2s. 6d. Lecture 1.15-2.15 p.m., 6d. JUNE 22

**SHEFFIELD.** *One-Day School on the Town and Country Planning Act, 1947.* W. A. Wood of MOTCP will lecture on (1) *Compensation and Development Charges*, (2) *The Planning Machine*, (3) *Land Purchase*. At the Central Library Theatre, Sheffield. (Sponsor, TCPA.) 10.30 a.m. JUNE 12

**TORONTO.** *Canadian International Trade Fair.* At the Exhibition Grounds, Toronto. (Sponsor, Canadian Government Exhibition Commission.) UNTIL JUNE 12

### COMPETITIONS

*Art Competition and Exhibition of the XIV Olympiad, London, 1948.* Designs eligible: (a) Town planning, (b) Architectural designs. Entries will be limited to designs for sports grounds and to buildings intended for use in connection with sport only, and must be received before June 11, 1948. Full particulars from the Organizing Committee for the XIV Olympiad, London, 1948, 105, Victoria Street, London, S.W.1. JUNE 11

*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.*

★ 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.

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*The result of the Election for the OFFICERS AND COUNCIL OF THE ARCHITECTURAL ASSOCIATION for the session 1948-49 is as follows:*

President: R. E. Enthoven, F.R.I.B.A., A.A.DIPL.

Vice-Presidents: Henry Braddock, A.R.I.B.A., A.A.DIPL.; S. E. T. Cusdin, O.B.E., A.R.I.B.A., A.A.DIPL.

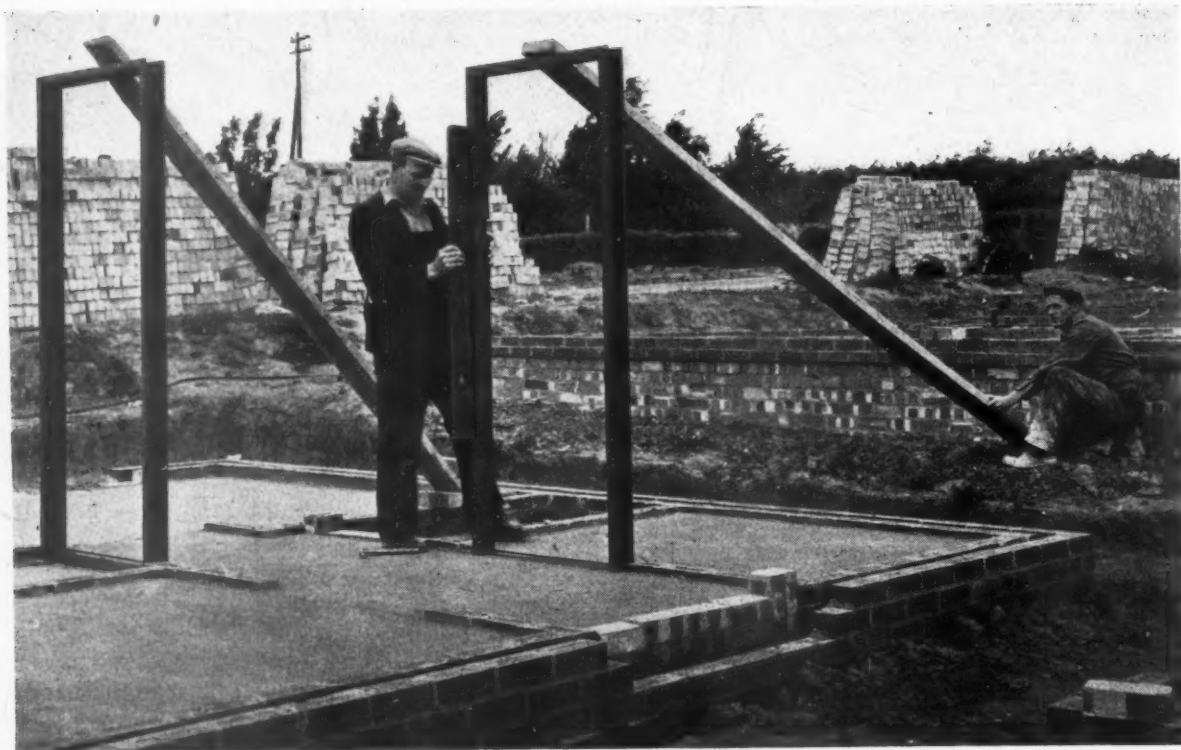
Hon Secretary: Anthony M. Chitty, M.A., F.R.I.B.A., A.M.T.P.I., A.A.DIPL.

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## From AN ARCHITECT'S Commonplace Book

**RENAISSANCE SKYSCRAPERS.** [*From When the Cathedrals Were White, by Le Corbusier (George Routledge & Sons Ltd.).*] It is an odd thing that the modern skyscrapers are the weak ones. The Italian Renaissance skyscrapers are of excellent quality, in contradiction with what I imagined before seeing them. For, prior to 1925, Brunelleschi and Palladio were in control. After 1925, after the plaster fanfares of our historic Exhibition of Decorative Arts—an event which made it possible for the masses to express a desire for “modern living” and which revealed that the professional world was not at all prepared to respond to that excellent aspiration; the result was the fixing of an indigent “1925 style,” flat and false, made of plaster, for barbershops—the Americans made the plunge. By their works they prove to us what a long and deep effort is required to bring into being a genuine architecture. They did not measure up to their task; this modern architecture is poverty-stricken as much in its ensemble as in its detail; for that reason I consider it ephemeral; its years are numbered. Nevertheless, since they are building over there, they accomplish something, they increase their experience, already progress is appearing, evolution is in process. An impeccable quality of execution quite properly compels our admiration. Academicians of France, drowsing in official armchairs, know that New York builds infinitely better than we do, incomparably better, and that American workmen are the masters of the building trades—a title of honour transmitted through the centuries which a general decay has injured in our country. The locksmiths and masons of America are our masters.

*Mr. Silkin, Minister of Town and Country Planning, in issuing a series of conditions for the building of a BRICK WORKS ON ASHURST HILL, a beauty spot near Wigan, urges the need to “preserve the amenities of the district.”*

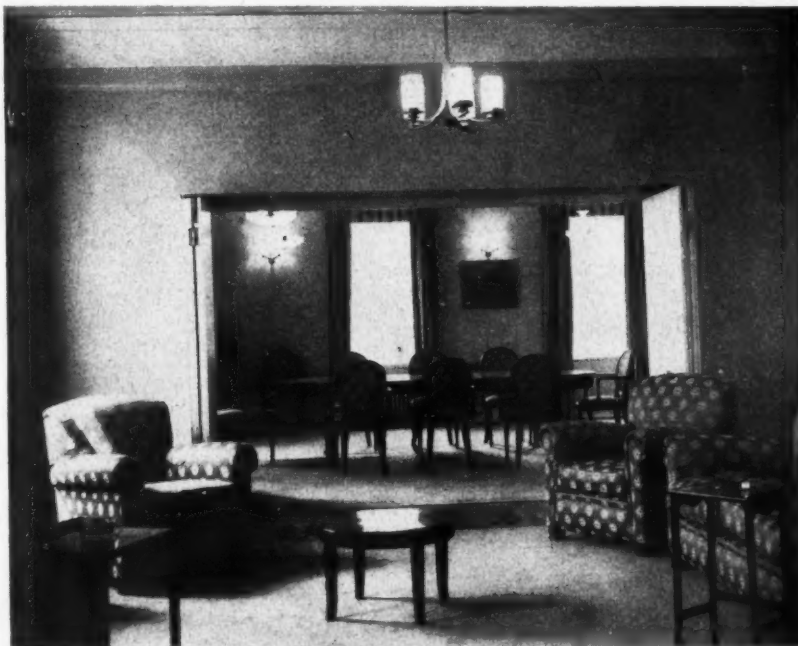
The Minister has given permission to the Lathom Brick Company to build the works, but says that the excavation of clay shall be carried out in a manner which will render the workings inconspicuous, while the workings shall be screened with trees. The application of the company to establish the brick works on Ashurst Hill was the subject of a public inquiry held by an inspector of the Ministry at Wigan in May last year.

*As a result of the unsatisfactory housing situation, the ULSTER GOVERNMENT is watching with interest experiments in the construction of houses by the RAMMED-EARTH TECHNIQUE.*

Plans have already been completed by the Shield Building Association, a self-help building organization, for the construction of the first rammed-earth house to be built in Ulster since the war. The house will be a bungalow containing large hall, living-room, kitchen, three bedrooms, bathroom, etc. The foundations will be rocks and mortar, covered with tarmacadam and a top covering of asphalt. The external rammed-earth walls will be 18 in. thick, and some of the internal 6-in. walls will be made of rammed-earth blocks banded together with lime mortar. For the rammed-earth walls, wooden moulds are erected; and riddled earth, half clay and half sand, is pounded down in layers three inches thick at a time with a heavy ramming “beetle.” When the top is reached, the mould or shutters are unbolted and raised, and the whole process repeated until the walls are complete. It is claimed that the walls can be erected to one storey level in a day, and are so strong that roofing timber can be placed immediately on them. The strength increases to the hardness of concrete as the walls harden and age. Officials of the Ulster Government have inspected sample rammed-earth walls, and have given the Shield Association permission to erect

two rammed-earth houses as an experiment, and have promised assistance and technical advice. The houses will be constructed at the Castlereagh district of Belfast, where the soil is thought to be very suitable. The Ulster Government is maintaining an open mind on the subject meantime, and in the Stormont House of Commons Captain T. O'Neill (Parliamentary Secretary to the Ministry of Health and Housing), in reply

to a question, said he was satisfied that “with great care in construction, expert supervision, and sound knowledge of the various types of earth suitable for the work, a satisfactory rammed-earth house could be built.” The technique is said to have been mentioned by Pliny almost two thousand years ago, and is still in use in France, South Africa, India, California, and parts of Southern England.



No. 2, Park Street, and No. 9, South Street, London, a block of flats, converted into a Government sponsored hotel for important visitors to this country, was opened last week. The first visitors are Indian and Pakistan delegations. Above, looking from a sitting room into the conference room; left, a bed-sitting room. See Astragal's note on page 503.



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## F. R. Yerbury

Mr. F. R. Yerbury, whose unique contribution to contemporary architecture is the subject of this week's leading article, has joined the Editorial Board of THE

ARCHITECTS' JOURNAL. The portrait above is reproduced from the painting of Mr. Yerbury by Francis Hodge which is hung in this year's Royal Academy Exhibition.

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★ *On June 15 a proposal to establish a NEW TOWN AT PITSEA-LAINDON, Essex, for some 50,000 people will be discussed between the Minister of Town and Country Planning (Mr. Lewis Silkin, M.P.) and the local authorities concerned.*

A letter sent by the Ministry to local authorities states that the Minister has particularly had in mind the urgent need to find an outlet for the excess population and industry of the congested inner areas of East London, and has provisionally decided that the Pitsea-Laindon area would prove suitable in helping to solve this problem. The building of a new town in this area would have the added advantage of eventually facilitating improvement of parts of the existing development which do not conform with modern standards of accommodation, and are lacking in amenities. The Minister appreciated that the present building limitations made it impossible to say when progress might be made with the proposal. Nevertheless, it was desirable to settle at once whether or not the machinery of the New Towns Act should be used; if it proved suitable there would be no undue delay on procedural preliminaries. The meeting at which the Minister will consult with and take note of the views of all local authorities concerned will be held at the headquarters of the Ministry of Town and Country Planning. If, after the meeting the Minister is satisfied that the proposal is a sound one, a draft Order designating the site and area of the new town will be prepared.

★ *A Contract has been signed for the purchase by Cambridge University of the MADINGLY HALL ESTATE near Cambridge for £50,000.*

The purchase includes the hall itself built in the reign of Henry VIII, the village, and about 1,200 acres of agricultural land. The use to which the hall and estate will be put has not yet been decided. A report will be issued by the council of the Senate of the University.

*Six Labour M.P.s led by Mr. Ellis Smith, the member for Stoke, and Mr. Tom Brown, the member for Ince, have tabled a motion urging the Government to treat housing as "a special case for emergency action" and to appoint a NATIONAL HOUSING AGENCY.*

The signatories appreciate what has been done since the end of the war and accept "in principle" the division of capital expenditure set out in the "Economic Survey." But, they say, "the housing shortage is acute; many pre-war houses urgently require replacing, repairing, or modernizing; the overcrowding conditions in which many are living should not be tolerated." It is proposed that the housing agency should act for the Ministry of Health and should "consult at once all interests in the building industry, harness civil engineering for housing, and consider the need for the introduction of new methods of production, construction, new methods of site erection, fabrication, ceramic wall surfaces and the use of new materials." The other signatories are Mr. William Dobbie (Rotherham), Mr. Frank Fairhurst (Oldham), Mr. Charles White (Derby, Western), and Mr. E. Fernyhough (Jarrow).

## F. R. YERBURY

F. R. YERBURY, whose new connection with THE ARCHITECTS' JOURNAL is announced on the facing page, needs no introduction to JOURNAL readers; indeed, he needs introducing to no one in the architectural profession or the building industry, for the position he has achieved, through many years of hard work in the cause of either and—more important still—in the common cause of both, is unique.

His influence in the architectural world is unique, too. It is that accorded to all pioneers. Yerbury has been a pioneer since he became secretary to the AA as long ago as 1911. After the first World War, it was he, along with Howard Robertson and Robert Atkinson, who established the AA school in the special position it has occupied ever since. At the same time, he projected his energy abroad. It was his initiative that did more than anything else to break down Britain's architectural isolation and introduce to British architects the stirring happenings of post-war Europe. A brilliant photographer, he travelled widely on the Continent and in the United States, and his pictures were published in many books and magazines. He did much to form ties of friendship with architects in other countries, a task which his connection with the AA made easier, but which was really due to his own energy and imagination. He believes the key to a greater understanding among nations lies not only with governments, but largely in the free exchange of ideas between members of the professions. In 1929, the King of Sweden conferred on him the decoration of a Chevalier of the Royal Swedish Order of Vasa in recognition of his services to architecture. In Russia he was made a member of the Builders' Trade Union.

Although Yerbury relinquished the secretaryship of the AA in 1937, he has remained a familiar figure in Bedford Square and a strong influence there. In 1932 he was appointed Director of the newly formed Building Centre, which emerged from the AA's Materials Bureau, for whose creation he had been responsible. For some years he has been Managing Director of the Building Centre in the old home of the RIBA in Conduit Street. During the war years the Centre was never closed for longer than was necessary to clear the rubble off the exhibits. Recently the JOURNAL illustrated the projected Building Centre at Rotterdam, work on which has already begun. The Rotterdam Centre may be called the foster-child of Yerbury's London Building Centre, and is one more example of Yerbury's pioneering activities, an example that may perhaps be repeated in other countries.

It is impossible to mention all the other enterprises with which Yerbury has been associated, though his work for the DIA should not be omitted. His membership of the Editorial Board of the JOURNAL will offer him another outlet for his practical energy, reinforced as it always is by the warmth of his personality and the breadth of his experience.



On many occasions during his active career he has already acted as an invaluable link between architects in practice and the editorial staffs of the journals whose task it is to translate contemporary architectural ideas into print. For the scope of his work has always covered both the broad and narrow aspects of professional activity; he is familiar with the large issues of architecture and applied design, and he has an astonishingly wide personal acquaintance with architects all over the world; his connection with the Building Centre has given him an unrivalled knowledge of the details of building materials and equipment, and, necessarily, of the building industry. At this moment, when so much that we used to take for granted in architecture and building—from the architect's status as a professional man to the constructional methods on which he relies—is being called into question, the JOURNAL will particularly value Yerbury's experienced guidance.



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

### BOMBSHELLS AND BOUQUETS

How often has one heard polite speakers at after-dinner functions refer to an address they have just listened to as the wittiest they can remember? But the many speakers who said so after Hugh Casson's talk at the AA last week obviously meant it. Casson treated a packed dining-room to the kind of firework display in which admiration of one cascade of coloured stars is constantly interrupted by the explosion of another one and before there has been time to take that one in—up goes another rocket with another loud bang.

The subject was the influence on architecture of the architectural press (small letters, frequently rising to capitals). Casson covered an enormous amount of ground, skating swiftly over a hundred years till he arrived at our own generation, when he (and his audience) enjoyed to the full having his victims lined up in front of him. The many editors and journalists present were never able to tell till they had actually landed which of the bombshells he threw out were going to contain bouquets and which brickbats.

His wit concealed a lot of serious thinking, and this was recognized in the discussion that followed. Leslie, of *The Builder*, contributed a charmingly modest speech. Goodhart-Rendel was as amusing and knowledgeable as ever, and Furneaux Jordan spoke learnedly of the other influences besides the press that mould architectural thought. Wisely, the journalists present refused to be provoked into replying to Casson's witticisms; they knew too much to compete with the best journalist among them.

### WILLIAM KENT

Kent's Palladianism has a flavour of the rococo rare in English architecture, for the style is not one the English ever took to kindly, perhaps because of their native reticence, perhaps because the non-conformist conscience cannot accept frivolity as an ingredient in good architecture. The Horse Guards and Houghton Hall illustrate

one phase of the eighteenth-century struggle between Whiggish respectability and the adventurous spirit shown by Kent's contemporaries abroad. Londoners should not miss the excellent photographs of these and other of his buildings at the Georgian Group's exhibition before it goes on to Cambridge next week. It has been arranged in the Group's Grosvenor Place headquarters to celebrate the architect's bicentenary.

### NEWS FROM ST. PAUL'S

The Dean and Chapter of St. Paul's have taken a brave decision in approving their architect's recommendation that the reredos, which was damaged during the war, should be removed altogether and a new baldachino or ciborium substituted. This will only be fulfilling Wren's original intention, but the change is bound to appear revolutionary to some, since Garner's heavily-carved reredos has closed the vista from the west for as long as most people living can remember.

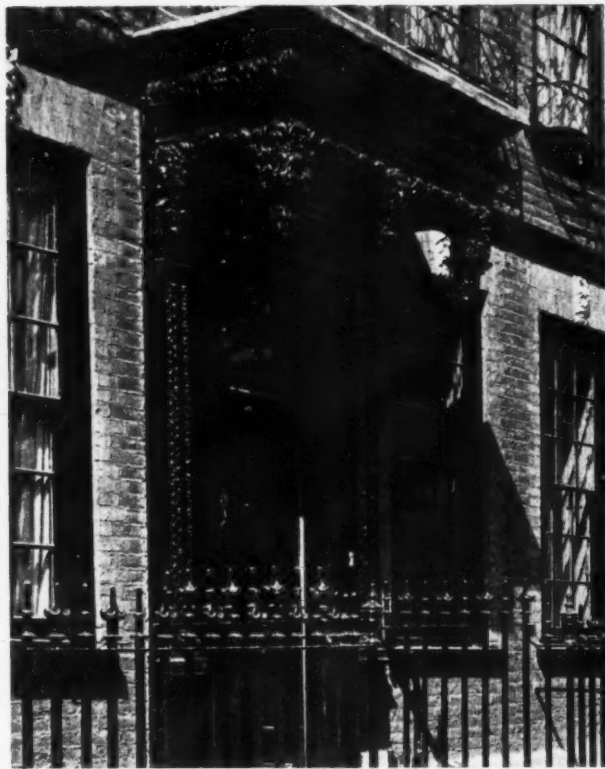
The case for opening up the vista right to the apse is convincingly made in Godfrey Allen's and Dykes Bower's report; it is indeed the logical sequel to the removal of the organ screen from the choir arch, though it takes place a century later. Their report is made public this week, and I hope that, as a document of exceptional interest, it will be printed in a later number of the JOURNAL.

### NEW SCHOOLS

All London readers will by now have visited the New Schools exhibition at the RIBA and admired the lucid presentation of the designs illustrated. The colouring of plans according to a standard system performs the rare feat of making architects' drawings intelligible to others—which should be a great help to the members of education committees for whom the exhibition is partly intended. Another useful precedent has been set by the RIBA's collaboration with the CID over the furniture and equipment side of the exhibition. I understand this side is to be dealt with next week in another special schools issue of the JOURNAL.

—and while still, so to speak, in the schoolroom, may I correct, at the re-





No. 30, Queen Anne's Gate, occupies the centre of one of the most distinguished rows of houses in London. Their carved door-heads are beautiful and unique. Left, the doorway as it used to be; right, as it now is. A new tenant has had all the woodwork painted a treacly black, obscuring the carving and interrupting the architectural continuity of the street. See Astragal's comment.

quest of the Ministry of Education, a mis-statement made on this page some weeks ago concerning official school-building policy? According to the latest figures, the bulk of the new school accommodation is *not* in the form of sub-standard temporary hutting ("even if we admit," say MOE, "that this description of MOW hutting is accurate!"), but under 50 per cent.; nor have any figures yet been worked out for the saving in costs of hutting over permanent buildings. Very sorry, sir, and for homework I promise to read MOE pamphlets 2 and 9 and circulars 134, 143, 144 and 155, as instructed.

#### VANDALISM OVER THE WAY

Much indignation—including notes and telephoned protests to the AP office—has greeted the particularly brutal maltreatment recently handed out to No. 30, Queen Anne's Gate. All the paintwork, including the cornice, the sashwindow frames and bars, as well as the first-floor string course, which is carried right along all the houses in the terrace, has been painted glossy black. Worst sufferer of all is the decorated over-door, which, as the

before—and after—photographs reproduced above illustrate, now looks as if it was made of liquorice. All the intricate delicacy of its carving has been destroyed, and, since the photograph was taken, a further vulgarity has been committed in picking out some of the liquorice in gold.

This is just the sort of vandalism which the MOTCP schedule—in which these houses are listed—was expressly designed to prevent; but once again we are reminded—remember the Oatlands Park Grotto?—that schedules administered by well-meaning but centralized government departments are no substitute for the continued vigilance of the public.

#### HERE WE GO AGAIN

Reproduced on page 499 are two interiors of the Government-sponsored hotel for VIPs, opened last week after a whirlwind conversion by the usual "army of workmen." First visitors, now installed, are delegates from India and Pakistan, between whose rooms, we read, dividing brick walls have been specially built. (Looks as if they'll

need some sliding iron curtains one day!)

We hope our distinguished Oriental guests will be comfortable in what appears from the photographs to be a set of extremely undistinguished rooms. Here again—as with the Olympic Games—we have missed the perfect chance of putting across British design, imagination and craftsmanship. Instead of these mediocre reproduction-antiques, indecisive textiles and lamentably decisive lampshades, we should have the best available furniture of British design and manufacture, walls hung with a constantly changed show of pictures by contemporary British painters, bookshelves loaded with the best of current British books. This is the sort of job the Council of Industrial Design should have handled. Were they consulted? If not, why not? If so, why with such visually negative results? Design may be good fun at Tilbury House, Mr. Reilly, but it's good business, too, and No. 2, Park Street, is one of the places where it should have been well displayed.

ASTRAGAL

# LETTERS

Michael Gooch

## Popular Taste

SIR,—While hesitating to clash swords with ASTRAGAL on the vexed question of popular taste in this country, I feel impelled to put in a word in defence of the much maligned "primitive savage."

The savage to-day, I admit, may well prefer the anodized terrier to a Benin mask, but that surely is symptomatic not of a lack of taste on his part but of the fact that an alien civilisation is being imposed on an indigenous culture; before his old values were sent flying, the savage was capable of choosing, and indeed of making, works of the greatest æsthetic integrity. Even so, I believe it is a fact that Lancashire printed fabrics produced for export to West Africa are usually of a much higher standard of design than those demanded by the British factory girl or typist. The savage is merely undergoing, in greatly accelerated form and harsher contrast, the transformation wrought in this country by the industrial revolution; all credit to him, then, that his taste seems to have suffered less in the process than that of his British counterpart.

The savage vindicated, I leave the moral for others to draw.  
London

MICHAEL GOOCH

## A Study of the Building Industry

[by Ian Bowen]

The subject of the building industry and the building materials industries have ramifications which make them together excessively difficult to describe within the compass of a short book. Few authors who have attempted this difficult task have succeeded in avoiding one or other of the possible extremes; either such a book tends to become a dry chronicle of organizations, facts, figures and names, or, on the other hand, the book falls into the error of a thesis unsupported with sufficient data. It is very rarely that an author can preserve a clear mind as he plunges through the thicket of statistics, the plethora of initial letters with which building organizations adorn themselves, or the maze of official studies, reports and technical papers. Those who have made it their business to research into the structure of the building industry can only utter a warning to the intending student that such research is liable to be frustrated by the mass of facts available and by the degree of their extraordinary irrelevance to the major key issues.

Mr. David Hall, in his little book *Cornerstone*, has had remarkable success in avoiding the perils which beset any investigator. The book gives, in a short space, a clear picture of the issues. It sets out the outlines of the structure of the building industry before the war. It deals quite adequately with what was known about the building materials industries and their organization and distribution. It has three excellent chapters on labour, wages and conditions, and trade union organization.

\* *Cornerstone*, by David Hall, Lawrence and Wishart, 1948, 7s. 6d.

The first eight chapters of his book provide indeed a concise and clear guide which builds up in the reader's mind a picture of the industry and its problems in about the year 1946. The last two chapters of the book are of a different quality. They represent the policy which Mr. Hall advocates, and do not have sufficient authority or detailed backing to equal the level of the writing of the more descriptive parts of the work.

However, let us first look at the picture which Mr. Hall has drawn. He shows what other industries the building industry draws on for its materials, and the work which it does under the major headings. He enumerates the different types of firm in the building and civil engineering industries: large contractors, small general contractors, civil engineers, small jobbing builders, and speculative builders, and he quotes Mr. Leslie Wallis's comments on the jerry building which disgraced one part of the industry before the war. Next he produces such figures as were published at the time of writing (1946) on the general efficiency of the different sizes of firm. Finally, he comments on the contract system, and reiterates the recommendations of the Ministry of Works Committee on the placing and management of building contracts. He describes in passing the organization of the employers: "Many firms belong to both the NFBTE" and the Federation of Civil Engineers. But, Mr. Hall states, "it is significant that the really 'big boys' in both sections of the industry, although members, do not attempt to play a dominant role in the affairs of any of these organizations."

The industry is thus made up of many disparate sections. Attempts to organize the different parts into a working whole have not had any notable success—comparable, at least, with the success of the trade association movement in some other industries. The ambitious attempt embodied in the BINC "to provide a single voice for the Building Employers, Workers, Professional Interests, and Material Producers," and "to co-ordinate research and common policy" is noted by Mr. Hall, but he observes that "in point of fact, the Council have never really succeeded in agreeing among themselves . . . and of recent years their main activity seems to have been to provide a platform from which Government control in all its forms could be violently attacked." Some readers may not accept these strictures of Mr. Hall, but they are typical of his shrewd, and often by no means ill-informed commentary on the industry. He touches on every aspect of its affairs, from the "enormous profits" of the "handful of big contractors" (on this point he omits any discussion of the bankruptcies and losses and of the special risks of this industry) to the need for a "real Ministry of Building and Housing" (Health and Works presumably being dismissed as bad dreams).

All this is well done, in a lively manner, and makes good reading even for those to whom few of the established facts will be new. But has Mr. Hall anywhere put his finger on the key to the next stages of development in the industry? How is its technical level to be improved? "Let's have ourselves a housebuilding industry," was the plaintive title of an article in an American magazine; how is Britain to "have itself" an efficient building industry? "There is far too little research, but what is urgently necessary is the application of knowledge, and this is why the recent work on site organization, methods of working, standardization, codes of practice, and prefabrication is so important." This is a well-taken point, and can hardly be too often repeated.

But beyond that Mr. Hall ventures on a more controversial line of argument "The initiative," he writes, "is all coming from the building workers and technicians, the resistance from the employers." This statement is difficult to substantiate or disprove,

but it is certainly a very striking proposition if it is even half true. Are some employers resisting or neglecting technical improvements? If so, why do they deem it to be in their interest to do so? This is a matter into which the NFBTE should itself enquire, not with a view merely to giving the lie to critics like Mr. Hall, but in order to discover what weaknesses there may be in the link between knowledge of new methods or of better organization and its application on building sites.

On Trade Union organization Mr. Hall is equally informative although not by any means so caustic. The effectiveness of production committees during the war is fully acknowledged. The relative position of the craft and labourers' unions is reasonably well explained. But Mr. Hall's oversimplifying mind jumps, without demonstration or proof, to the conclusion that the building workers "struggle for better standards and for more houses, and . . . the employer are against both objectives." Mr. Hall he thus stated a case to answer rather than a judicial summing-up; let it be hoped that if an answer is forthcoming it will be constructive and not afraid of self-criticism. The employers, if they believe in efficiency, should be able to point to results, and to indicate any current measures that they may have taken, or be about to take, to improve techniques as rapidly as possible.

The point which emerges strongly from a study of Mr. Hall's argument is that efficiency in the building industry does not depend only on the workers, or on the employers, or on the Government, but on all three of these agencies, and many others besides (such as the building materials' producers and distributors). Mr. Hall's simplified solution is, it seems hardly necessary to add, nationalization, and the rapid extension of direct labour: "there is no real solution short of socialism." Now, a point in the argument may come when this solution does indeed seem to be inescapable. But it seems very doubtful whether the case for nationalization has yet been conclusively stated, let alone proved. It is not enough to point to a few local authorities where direct labour departments have been very successful. Equally, there are hundreds or even thousands of building firms that are also successful and some of these are more efficient than the direct labour departments. If nationalization were to be enacted immediately the problem of organization would still have to be solved.

In the case of the building industry that problem would be peculiarly acute. It is an industry where owners are often part-managers, where the managers, agents and technicians could not easily be fitted into a publicly owned machine. It is an industry where the industrial problems must be handled piecemeal, or they are unwieldy and unmanageable (witness the difficulty of central control even of the over-all programme of materials and labour supply). This is not to say that the case for nationalization will not one day be established. Two prior questions are how far costs can be brought down by privately owned industry, and how far the centrally controlled programme can be efficiently carried out by the privately owned industry. The failure to set up a State Building Corporation in 1946 has never been fully explained; but it is obvious that the practical difficulties of manning or running such a corporation are immense. Direct building is a much more complex task to work from the centre than owning and managing coal mines, and it is not surprising that no simple solution has yet been found.

Mr. Hall's book is a reminder that time does not stand still. Rapid technical improvements by the industry itself are the only sure means of satisfying a growing public demand for results, however drastic the changes in organization required. Dear houses will be tolerated for a while longer, but not indefinitely.

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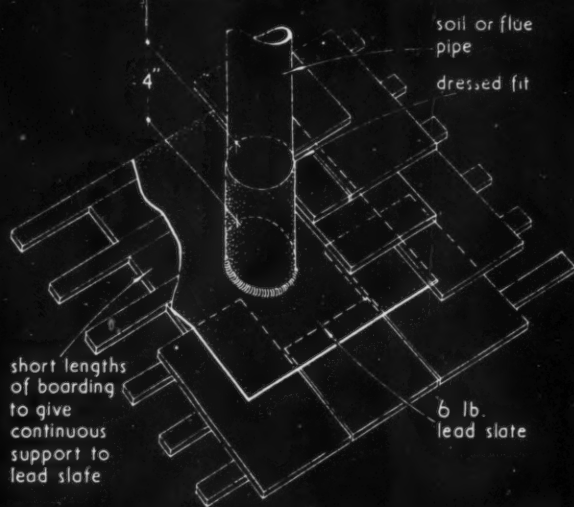




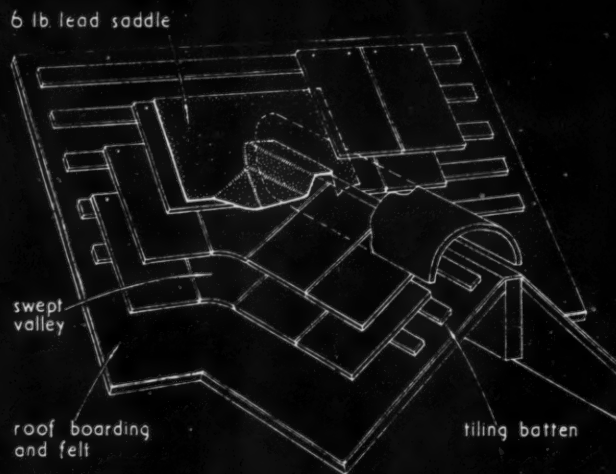
# LEAD AND ALLOYS APPLICATIONS

The Architects' Journal Library of Information Sheets 71. Editor : Cotterell Butler, A.R.I.B.A.

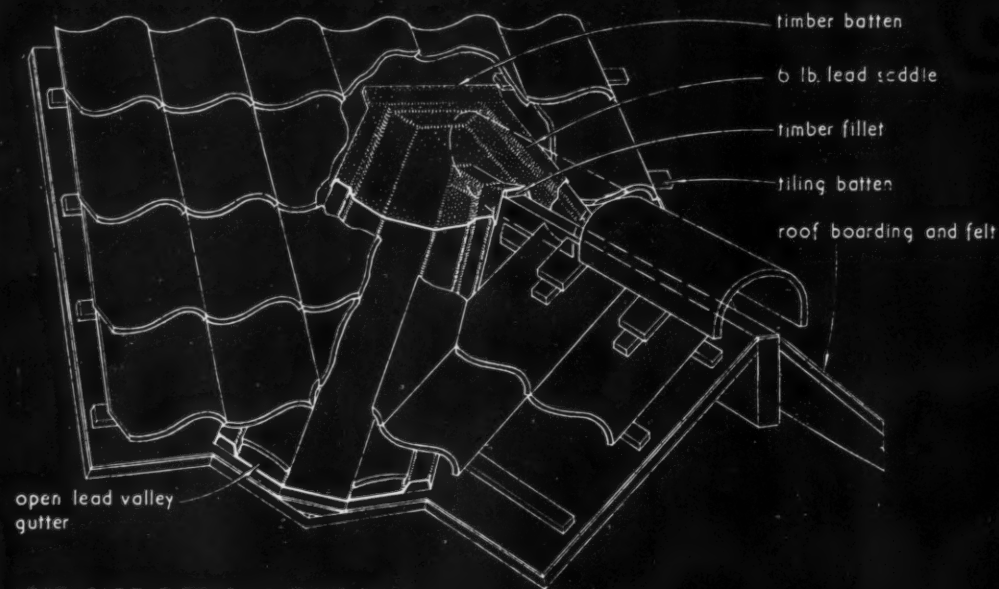
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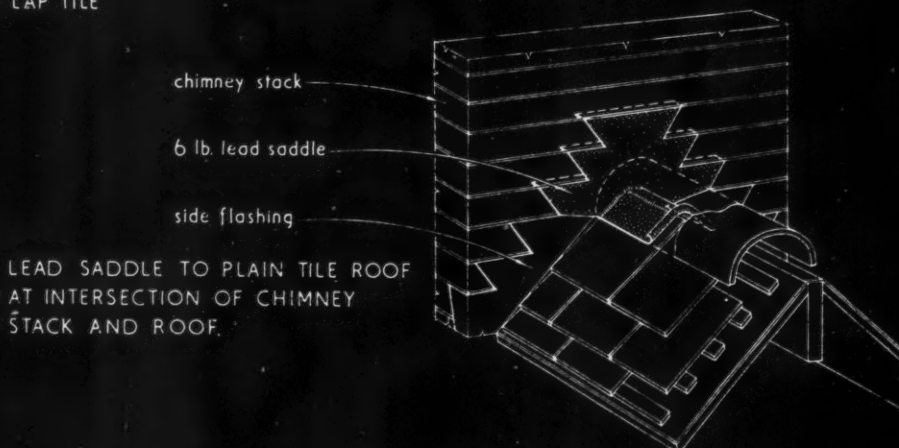
LEAD SLATE TO PLAIN TILE ROOF.



LEAD SADDLE TO PLAIN TILE ROOF INTERSECTION.



LEAD SADDLE TO SINGLE LAP TILE ROOF INTERSECTION.



## LEAD FLASHINGS: LEAD SLATE AND RIDGE SADDLES.

Compiled from information supplied by The Lead Industries Development Council.

## 10.G4 LEAD FLASHINGS: LEAD SLATE AND RIDGE SADDLES

This Sheet illustrates and describes the use of lead slates and saddles to slated and tiled roofs.

### Lead Slates

The lead slate shown in the top left hand drawing is used to form a weatherproof joint where soil, flue or other pipes pass through a slated or tiled roof. It is designed to course in with the slates or tiles. It is equally suitable for contoured tiles and roof sheeting, the apron front of the lead slate being easily worked to a close fit with the contoured surface.

*Construction:* Three methods of forming a lead slate are as follows:

1. The slate is worked up (bossed) from a flat sheet of lead.
2. A piece of sheet lead is formed into a pipe and the seam soldered or lead-burned. This is then soldered or lead-burned to a flat piece of lead sheet.
3. A short length of lead pipe is soldered or lead-burned to a piece of lead sheet. Contemporary practice is to lead-burn the slate from two pieces of sheet lead which provides a sound and more economical job than soldering or bossing. In all cases the upstand is closely dressed to the surface of the soil or flue pipe to give weather tightness without any other means of sealing.

### Lead Saddles

Lead saddles are fitted to form a weatherproof joint at the intersection of a ridge with an adjoining roof slope or where a chimney stack passes through a roof at the ridge and in similar cases.

Three typical examples are illustrated.

*Plain tile or slated roof intersection—swept valleys:* The top right hand drawing shows a lead saddle used in this case. The ease with which sheet lead can

be worked allows the saddle to be dressed to the complicated shape in close contact with the roof surface.

*Contoured tile roof intersection—open lead valleys:* The type of saddle used in this case is shown in the centre left hand drawing. It is readily formed by dressing the sheet lead over and around the ridge and lapping it into the valley gutters.

*Chimney stack passing through slated or tiled roof at ridge:* The lower right hand diagram shows the type of saddle used here. It may be fitted under the roof covering or dressed on to it according to the type of chimney stack side flashing used. (See Sheets 10.G1 and 10.G2.) The saddle may be worked up from one piece of lead or formed by lead-burning two pieces together.

### Weight of Lead

The weight of lead used for lead slates and saddles is usually 5 to 6 lb. per sq. ft., the heavier being used where the lead is to be worked to a complicated shape.

### Further Information

The Lead Industries Development Council maintains a Technical Information Bureau which is available to answer questions and advise on technical problems dealing with this subject generally.

*Compiled from information supplied by:*

The Lead Industries Development Council.

Address: Eagle House, Jermyn Street, London, S.W.1.

Telephone: Whitehall 7264

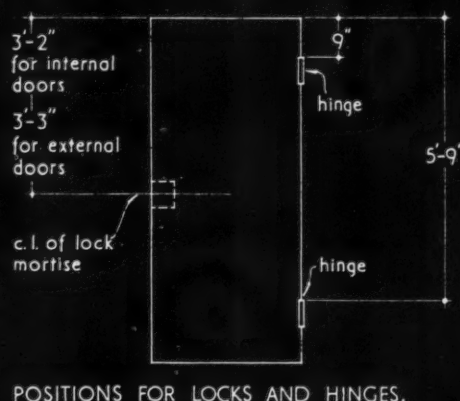
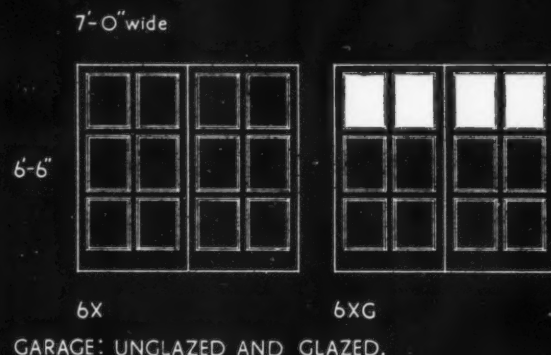
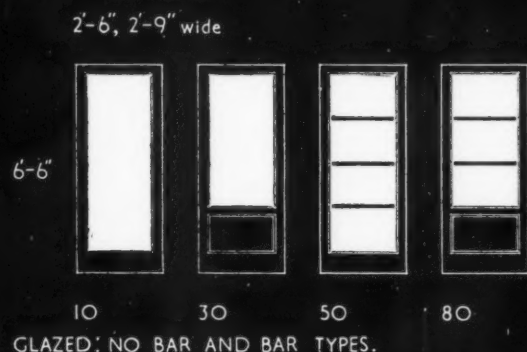
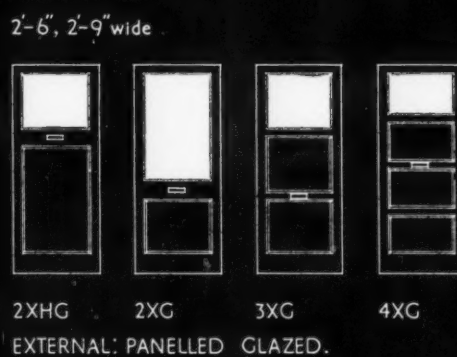
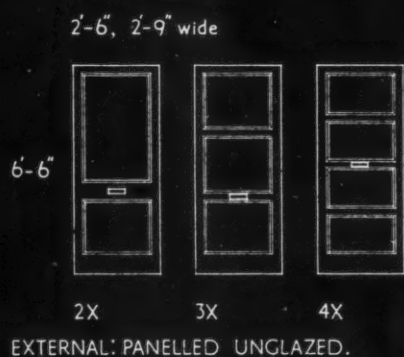
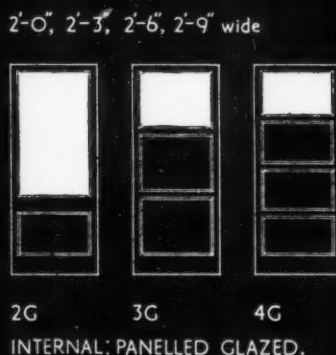
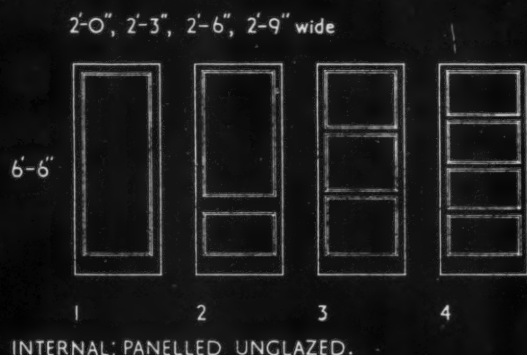






**DOORS | TIMBER | GENERAL DATA****23.B1**

The Architects' Journal Library of Information Sheets 72. Editor: Cotterell Butler, A.R.I.B.A.



## 23.B1 STANDARD PANELLED AND GLAZED WOOD DOORS TO B.S.459 : PART 1 : 1944

This Sheet is the first of a series on wood doors and describes internal and external standard panelled and glazed wood doors to B.S.459. Subsequent Sheets give half full size details of the doors, details of door frames and applications.

### Construction

The timber used is in accordance with B.S. 1186 : 1944 —Grading of Softwood Joinery. Joints are mortised and tenoned or dowelled. External doors are  $1\frac{1}{2}$  in. finished thickness and internal doors  $1\frac{3}{4}$  in. Panels in external doors are of resin bonded ply. Dimensions are guaranteed within a tolerance of  $\pm \frac{1}{8}$  in. on overall height and width.

### Fittings

The position of hinges and lock mortise is shown in the bottom right hand diagram. If required all doors can be prepared and fitted with locks to B.S. 455 : 1945, and external doors can be prepared to receive letter plates to B.S. 1331 : 1946.

**Handle spindle :** The position of the handle spindle is 1 in. higher than the centre line of the lock mortise, i.e., for internal doors 3 ft. 1 in. below top of door and for external doors 3 ft. 2 in. below top of door.

### Finish

All exposed surfaces are smooth machine finished.

### Glazing

All glazed openings are provided with mitred glazing beads.

### Ledged and Braced Doors (Not to B.S.)

Although not included in the B.S. range described above, Austins' ledged and braced doors constructed with 4 in. by 1 in. ledges and braces, and  $\frac{3}{4}$  in. matchboarding are stocked in the following sizes : 2 ft. 2 ft. 3 in., 2 ft. 6 in. and 2 ft. 9 in. wide by 6 ft. 6 in. high.

### Framed Ledged and Braced Doors (Not to B.S.)

$1\frac{1}{2}$  in. and 2 in. framed ledged and braced doors are also stocked in the above sizes. They are constructed with 4 in. stiles, top rails and braces, and 8 in. middle and bottom rails. The stiles and top rails are of the full nominal thickness of the doors while the middle rail, bottom rail and braces are  $\frac{3}{4}$  in. thinner.

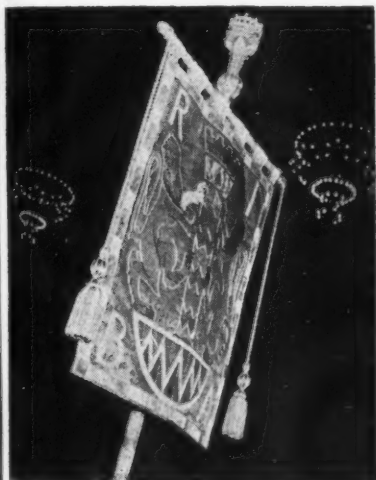
### Compiled from information supplied by :

Austins of East Ham Ltd.

Address : East Ham, London, E.6.  
Telephone : Grangewood 3444.  
Telegrams : Austins, East Ham.

# THE RIBA CONFERENCE AT LIVERPOOL

On this and following pages the recent RIBA Conference is represented in picture form. The Conference lasted from Thursday, May 27, until Sunday, May 30, and was attended by a record number of delegates. It included lectures (see page 513), an exhibition, tours of Liverpool, a garden party, a ball in the Town Hall, a formal dinner in St. George's Hall and a service in the Cathedral, when a RIBA banner was dedicated, an event unique in conference programmes. The official conference photograph of the delegates is on page 514.

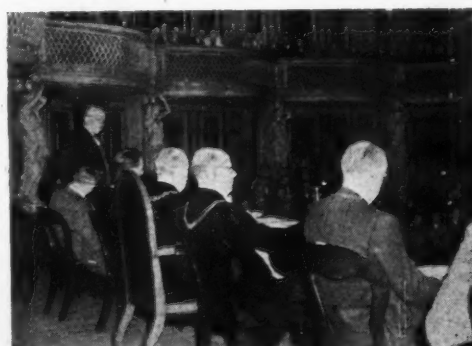


**Service in the Cathedral.** At this special service on Sunday morning Sir Lancelot Keay offered the Banner of the RIBA to the Dean for dedication and safe keeping. The banner above, left, made under the supervision of Mrs. Edward Maufe, has been adapted by Sir Lancelot Keay from the RIBA crest designed by the late MacDonald Gill. The



staff and support were designed by E. Carter Preston. The photo above, right, shows part of the ceremony. The banner is at the chancel steps, and is about to be carried to the place of hallowing. A special form of service was used containing a Benediction written by Hope Bagenal and an architects' collect by Edward Maufe.

**Inaugural Meeting.** This was held in the Small Concert Hall of St. George's Hall. An address was given by the Lord Mayor, Alderman W. T. Lancashire, who welcomed the delegates to the city, and by Sir Lancelot Keay, who thanked the Lord Mayor, Professor Budden and Lord Leverhulme for the hospitality they had extended to the delegates. Professor Stephenson then read his paper on "The Place of the Architect in the Building of a New Town." Professor Leslie Wilkinson, of New South Wales, proposed a vote of thanks, which was seconded by Mr. R. J. Gardner-Medwin, representing the Department of Health for Scotland. Right, the platform during the meeting, with Mr. John J. Robinson, of Dublin, speaking.



# T H E R I B A



**The Informal Reception.** The delegates were the guests of the Liverpool Architectural Society, who are celebrating their centenary. The reception was held in St. George's Hall and guests were received by Sir Lancelot and Lady Keay and Professor and Mrs. Budden. A comprehensive exhibition of Liverpool's architecture was on view dealing both with existing buildings and town plans and projects for the future. One of the principal exhibits was the painting of Henry VIII by Holbein, recently acquired by the Liverpool Corporation. Left, the exhibition before the meeting began; below, delegates touring the exhibition.



*Mr. Munthe-Kaas of Norway, Hon. Corresponding Member of the RIBA, reads his catalogue.*



*Mr. Zakir-ud-Deen Khwaja of Liverpool discusses the show with Mr. Harry Ward.*



*Mr. R. S. Shaw of Liverpool and Mrs. Fara examine one of the models.*



*Mr. S. Meyrick of St. Albans examines the exhibition at the informal reception.*



*Professor Lionel B. Budden of Liverpool talks to Mr. Arthur J. Davis.*



*Mr. and Mrs. Harold Dod of Liverpool are received by Sir Lancelot and Lady Keay.*



*Mr. E. G. Knight of Wallasey and Mr. M. B. Beardmore of Chester.*

*Right, Major Gilbert Fraser, Mr Harold Dod, and Mr. George V. Collie on the steps of St. George's Hall. Major Fraser was President of the Liverpool Architectural Society in 1921, the last occasion on which the conference was held in Liverpool. Extreme right, Mr. C. H. Simmons of Preston and Mr. F. J. M. Ormrod, the secretary of the Liverpool Architectural Society.*





# CONFERENCE AT LIVERPOOL

**Garden Party.** On Friday afternoon the delegates were taken by motor coach to Thornton Manor, the country house of Lord and Lady Leverhulme. On the way the coaches drove through Port Sunlight. Right, Lord Leverhulme and Mr. George V. Collie. Right centre, Mr. Peter Hogbin, of Dublin, and Mr. and Mrs. Felix Holt, of Liverpool. Extreme right, Mrs. Herbert Thearle, Mr. C. C. Shaw, of Barking, and Mr. Herbert Thearle, of Liverpool.



**Civic Reception and Ball.** Guests were received at the Town Hall by the Lord Mayor and Lady Mayoress and Sir Lancelot and Lady Keay. Right, Mr. and Mrs. Edward Maufe. Extreme right, Mr. and Mrs. Derek Bridgwater, of London. Mrs. Bridgwater is the eldest daughter of the late Professor Reilly.



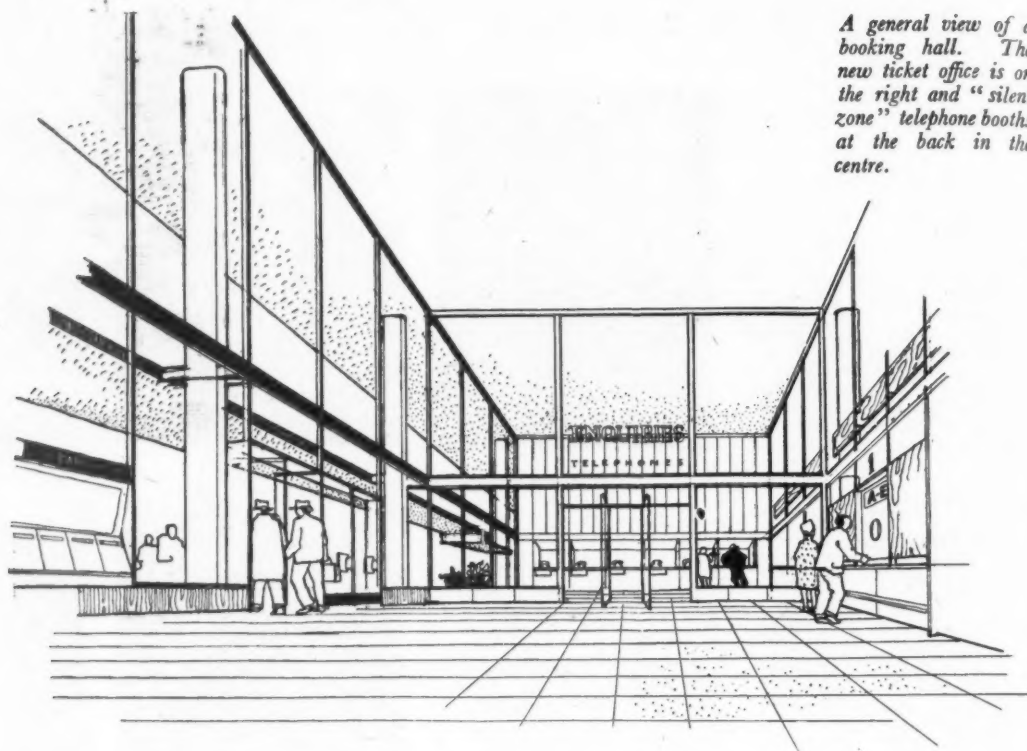
**Dinner.** This was held in the Great Hall of St. George's Hall on Saturday evening, from which the exhibition had been removed. Speeches were made by the President, by Sir Percy Thomas, the Lord Mayor, His Grace the Lord Archbishop of York, Dr. J. F. Mountford, Major Gilbert W. Fraser, Mr. John L. Denman, and Professor S. E. Rasmussen, the Hon. Member of the RIBA from Denmark.



Extreme left, The Archbishop of York. Left, Mr. and Mrs. H. J. Rowse of Liverpool.



Extreme left. Dr. F. W. Dwelly, Dean of Liverpool, receives the congratulations of Mr. and Mrs. J. S. Beaumont of Manchester on his election to Hon. F.R.I.B.A. Left, Professor S. E. Rasmussen of Denmark.



*A general view of a booking hall. The new ticket office is on the right and "silent zone" telephone booths at the back in the centre.*

# FURTHER RECENT WORK BY THE ARCHITECT'S OFFICE OF THE LONDON MIDLAND REGION OF THE BRITISH RAILWAYS

DESCRIBED BY J. L. MARTIN

*The first part of Dr. J. L. Martin's description of recent work done by the Architect's office of the London Midland Region of the British Railways (formerly the LMS Railway) appeared in the A.J. for April 8*

*and discussed the design of new stations and the reconstruction of old ones; also the design of railwaymen's hostels. In this second part he deals with station equipment and the remodelling of rolling stock interiors.*

## (3) STATION EQUIPMENT

One or two features of the station call for special study. For instance, ticket offices and refreshment rooms. The work so far carried out on refreshment rooms is now embodied in a series of reports which establish the principles on which remodelling can be based. A typical example is shown in the illustrations. The plan of the existing building shows that although a considerable area is actually occupied by the refreshment services, their existence is by no means evident to the passenger on the platform. Such a passenger sees only a series of small doors and windows in a setting of advertising. The proposed plan makes a drastic simplification: one general

waiting space takes the place of a number of separate rooms, and around this space are placed the conveniences which may be required by the passenger—bookstall, tea bar, lavatories. The waiting room and dining room areas are arranged on either side of a central service—the solid walls are opened out to form large windows so that the function of each room is at once apparent. The advertising is resited in an orderly manner, and the walls are refaced. The study of remodelling stations in this way is made complete in detail by what might be described as a large-scale industrial design programme. This programme includes the study and design of every item of equipment on the station: for instance, station signs, train information display,

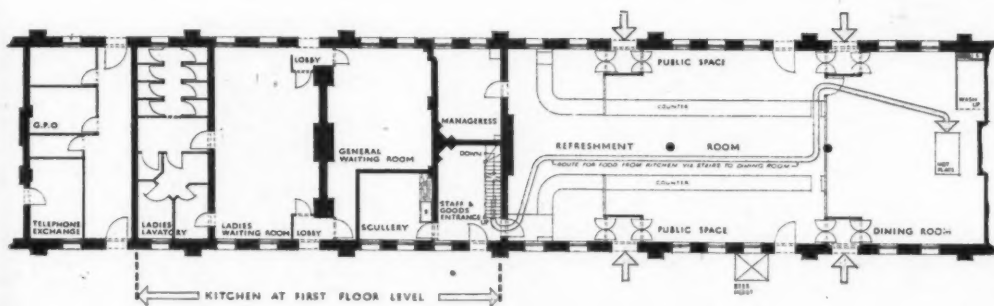
ticket office fronts, left luggage frontages, platform ticket machines, telephone kiosks, ticket collectors' boxes, waiting room seats, platform seats and shelters, directional signs, trade advertising, trade display, kiosks, bookstalls, lavatory fittings, etc.

Every one of these items has already been examined, and in some cases prototypes exist and are illustrated here. Almost every one of these prototypes has necessitated a specialist investigation in collaboration with the Railway's commercial and operating experts. The design approach is, perhaps, worth outlining in some detail, and this is most easily done by describing an actual example.

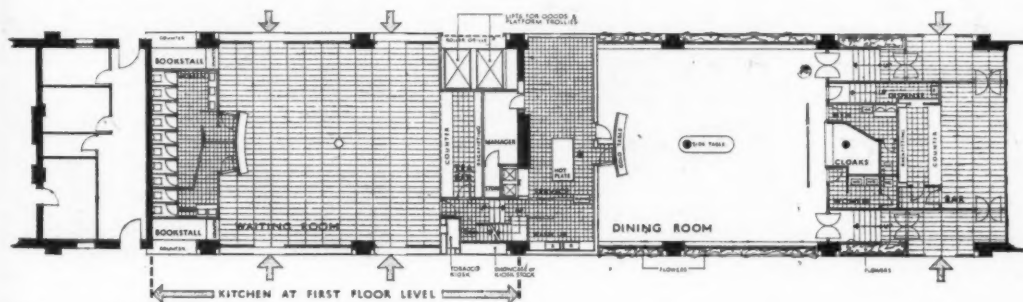
One of the most typical cases of this specialist type of industrial design can be



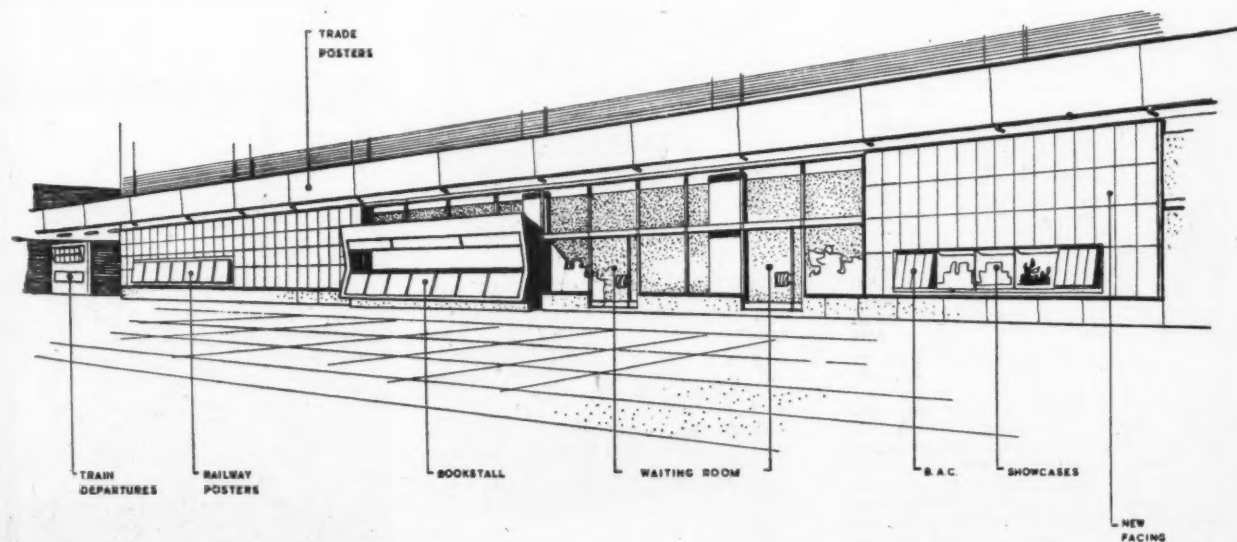
Right, the refreshment rooms and waiting rooms of a large station as existing; below, plans before and after conversion. Bottom of page, a sketch showing the redesigned platform elevation.



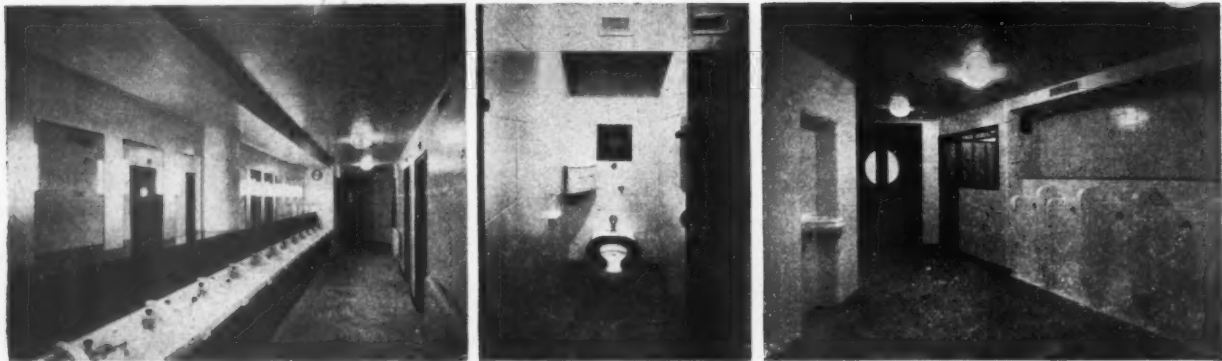
PLAN BEFORE CONVERSION



PLAN AFTER CONVERSION







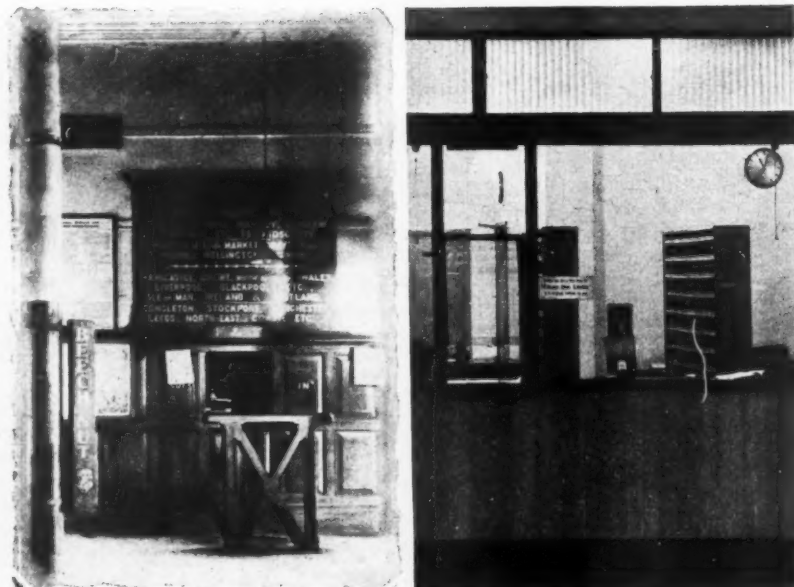
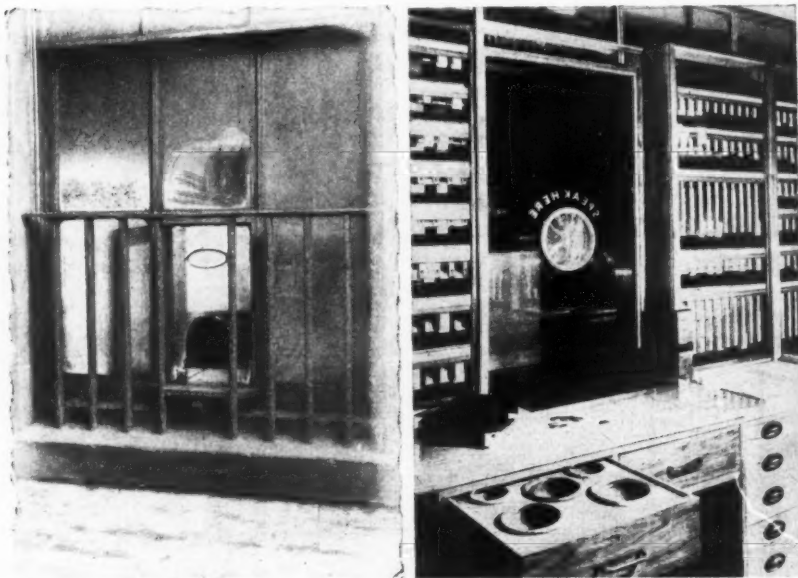
Top, remodelled lavatories at Leeds ; left, a range of lavatory basins ; centre, a W.C. unit ; right, a range of urinal stalls with attendant's room beyond. This work was completed shortly before the war. Centre, left, the original type of ticket issuing window, from the old Manchester—Liverpool Railway ; centre right, the new speaking type of window with a thin cellophane membrane to protect the booking clerk from infection. Bottom left, an old solid-fronted type of ticket office ; bottom right, an open-fronted type at Leeds.

shown by a description of the development of the ticket office window. Historically, the ticket office window has its origin in a small and well protected aperture. This idea is perpetuated by the early ticket office fronts in which the wooden panelling of the booking office front has a small glazed opening. In this glazing two holes are cut, one for speech, the other running down the counter level for the passage of tickets and money. Externally passengers were informed of the appropriate window at which to book tickets by a complicated notice. Within the ticket office the development of services demanded the building up of a considerable number of types of ticket all conveniently near at hand.

The first effort to rationalise the design of the ticket window took place some years ago when new types of rack were introduced in combination with an all-glass ticket office front which gave the passenger a view of the interior of the office, and illustrated to him a new order which was being brought to bear on ticket office working. This type of all-glass front introduced also a fall-back hopper type of window. The fall-back hopper had certain distinct advantages. The closing of the hopper quite clearly demonstrated to the passenger the windows which were open, and those which were closed. Permanent draughts from the open aperture type of window were considerably reduced. The opening of the hopper in a single movement provided two spaces, one for speech and another for the transfer of cash and tickets.

But this type of window again, though an important development, had certain defects. The all-glass type of front and the mobile ticket racks did not give the opportunity of placing tickets in the most convenient position for quick distribution, namely, facing the ticket clerk, and to the right or left of the actual window opening. The sliding hopper was costly and subject to maintenance costs. In addition, the problem of draught from the two openings, and particularly the transfer of germs from passenger to ticket clerk, still remained.

It was recognized that a possible solution could be reached if speech could be transmitted in some simple way directly through the glass. An early effort to do this introduced a series of small holes into a single sheet of glass. It was thought that sound waves might be transmitted through these holes, but that they would exclude draught. This proved to be true to a very limited extent, but the final solution was suggested after examination of a type of diaphragm developed by Mr. Schelling, the architect to the Dutch National Railways, and also used



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## BRITISH RAILWAYS (LONDON MIDLAND REGION) SOME FURTHER 'RECENT WORK



elsewhere on the Continent. The diaphragm finally used consists of a single sheet of cellophane strained into a circular frame. The exterior face is protected by a sheet of wire gauze. It is thus possible to provide a simple method of transmitting sound through the glass whilst avoiding draught; a simple sliding opening at counter level provides a space for the transfer of tickets.

Concurrently with this development, joint studies were being continued, with other departments, on the interior equipment of the booking office. These studies have made possible the development of a standard booking office front with built-in equipment for the efficient issue of tickets. Standard units can be combined and a range of ticket windows can be built up to meet the needs of the traffic. Studies of the rate of booking have now been made so that the number of windows required can readily be determined. The dimensions of the standard front enable single units or combined ranges to be used in conjunction with the unit stations which have already been described.

Incidentally, the study of traffic flow gives a useful guide to the positioning of the ticket office in relation to the general plan. The office is generally placed adjacent to the main flow of traffic between the station entrance and the trains; a recessed frontage allows for any queuing at ticket windows. The simplification of the indication of the particular window at which a passenger should book has been advanced by the studies of alphabetical indication made by the Commercial Research Section.

The possible use of silent zone booths in place of the completely enclosed telephone kiosk is another development to be considered. The completely enclosed kiosk is an extremely difficult thing to maintain, and it does not seem out of the question to visualize areas of a concourse which can be enclosed and acoustically treated and fitted with open booths.

The examples of this type of investigation can be repeated in connection with train departure indicators, ticket collectors' boxes, screened seats and station seating, lavatories, etc. In all these cases the study of the prob-

lem is being continuously followed up in an effort to produce new standards.

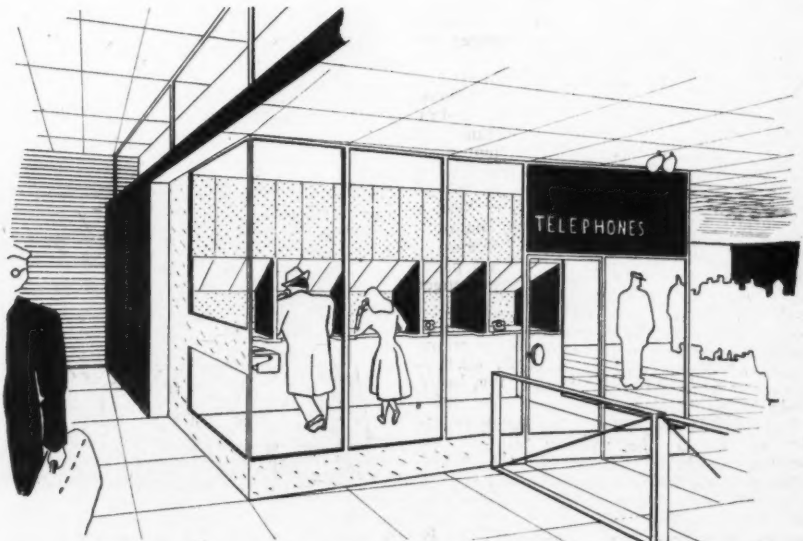
It is through the development of these new standards, and their application, that consistent attack can be made on the improvement of appearance. The acceptance of standard prototypes would mean that bulk orders could be placed, and considerable economies could be secured. The introduction of these new standards, together with any remodeling of the plan that may be necessary, and the careful consideration of new surfaces which might reduce maintenance costs will go far towards making efficient and orderly stations.

### (4) ROLLING STOCK INTERIORS

A description of the industrial design side of the office work would be incomplete without some reference to the assistance recently given in connection with the interior design of rolling stock. Two experimental dining cars have recently been built in which the main objectives were to give more freedom of movement to passengers by the use of loose chairs, and to attempt to introduce improvements by the careful design of all details. The work was hurriedly produced in a difficult period, but the following advances are worth recording:—

(i) The new coaches provided the same number of seats as the normal layout, but showed a great increase of table surface area. The shape of the new tables

Top, the most recent design for a unit type of ticket office incorporating the speaking type of issuing window shown on the facing page. The tickets are stacked on either side of the issuing window. Bottom, "silent zone" telephone booths. There appear to be advantages in this system over the more usual type of cubicle which, besides being expensive, offers considerable problems of maintenance.





Above, a remodelled dining car interior. The new layout, while providing the same accommodation as shown in the diagram on the right, gives more table space for each diner while at the same time giving more room and better access to the tables for service. Bottom, experimental designs for moquette fabrics for the upholstery of dining cars and carriages. These fabrics were designed in the architect's office.

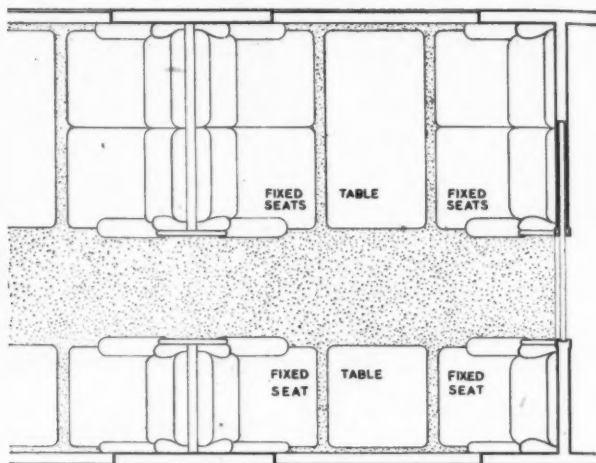


DIAGRAM OF ORIGINAL LAY-OUT

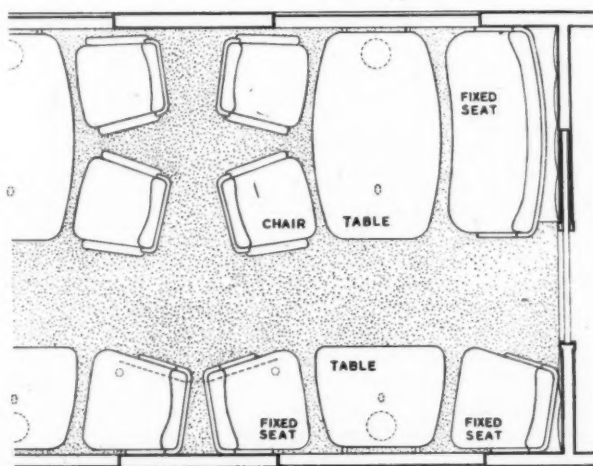


DIAGRAM OF RE-MODELLED LAY-OUT

and the use of loose chairs allows any diner sitting against the window to leave his seat without disturbing his neighbour.

(ii) The layout produced a marked effect of openness and space inside the coach, and created more free floor space.

(iii) The ventilation was entirely reconsidered. The dropped centre panel of the ceiling made possible a continuous extract outlet which required only one adjustment, and the rather unsightly individual ventilators were eliminated.

(iv) Heating panels recessed in the body side replace the normal pipes concealed in metal grilles along the skirting, and gain 6 in. of floor space in width.

(v) Comfortable but efficient lighting is given by a special fitting over each table. The fitting was designed to throw a pool of light downwards and a limited amount upwards on to the ceiling. Any possibility of glare from the naked bulb is avoided by the use of vanes in the fitting itself.

(vi) The chairs and fixed seats were designed with removable cushions to facilitate cleaning and repair.

#### (5) OFFICE ORGANIZATION

Work of the extent and scope described obviously requires an office organisation which is somewhat different from that usually found in private practice. It will be seen that the work provides more or less continuous programmes in each particular field. This enables teams of staff to be built up and to work with some continuity. The office is consequently divided into groups, working under a Branch Architect or a Senior Architect—each group being responsible for one or more particular categories of building.

The Branch Architects, in addition, take the responsibility for special work which may apply to the whole of the office output; for instance, research and development work which is the responsibility of one Branch Architect may include the special study of planning or construction for any class of work. Industrial Design is dealt with in the same manner.

The architect's office is fortunate in having within the railway organization various research departments which are always available for special investigations,

and in having the support of a Hotels Maintenance Section, a Quantity Surveyor's office, and a Production Office at Rugby, which controls the bulk ordering of materials and the supervision of work on the site.

The previous article on the recent work of the Architects' Office of the London Midland Region, British Railways, appeared in the ARCHITECTS' JOURNAL for April 8, 1948, the staff participating in the work described in these two articles, include:—

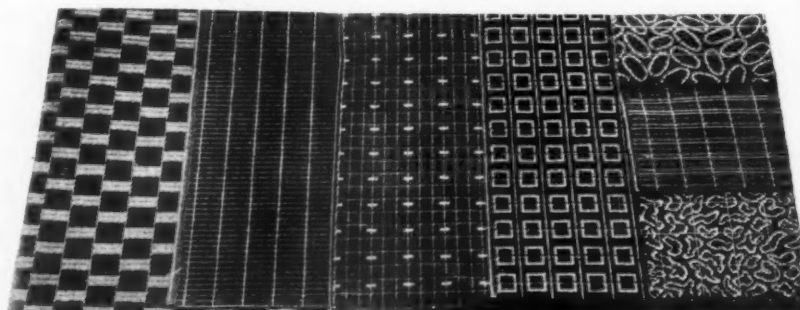
William H. Hamlyn, F.R.I.B.A.: Architect, London Midland Region.

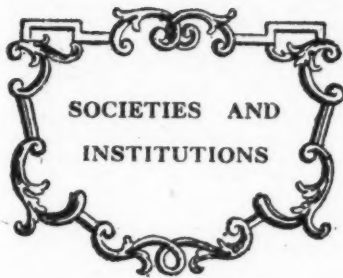
J. L. Martin, M.A., PH.D., F.R.I.B.A.: Principal Assistant Architect.

R. Llewellyn Davies, B.A., A.R.I.B.A., and staff: Research and development work on station buildings.

H. Wyatt, B.A.R.C., A.R.I.B.A., and staff: Hotels, hostels and refreshment rooms.

H. J. Davies, H. H. Mathews, T. I. Roberts and staffs: Special buildings, canteens, offices, etc.





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

## RIBA

### A. Llewellyn Smith

May 29. At the RIBA Conference, Liverpool. COMMUNITY CENTRES by A. Llewellyn Smith, M.B.E., F.R.I.B.A.

**A. Llewellyn Smith:** In the time at my disposal I cannot attempt anything in the nature of an extensive survey of existing Community Centres. I should also explain that I cannot pretend to be impartial. What I shall have to say is merely the expression of a personal point of view. My own experience and sympathies lie in youth work, and in that branch of youth work represented by the Boys' Club Movement. If in what follows I appear to be laying undue emphasis on the needs of youth, it is because I believe that "Further Education" is proportionately much more important in the formative years than in maturity; that there is a difference in kind, not merely in degree, between the function played by leisure activities in the education of adolescents and adults respectively; and that there is real danger in a too facile assumption that a technique designed primarily to meet the needs of grown men and women can be extended to growing boys and girls without being thought out afresh in the light of the physical, mental, and spiritual problems of adolescence.

#### THE ORIGINS

The Community Centre was first conceived as an answer to certain social problems which arose in acute form on the extensive new housing estates developed by local authorities soon after the first World War. These estates were, from the physical point of view, planned as a whole, often with imaginative and charming results. They were, however, conceived not as viable self-contained communities, but as dormitories for the large towns, on which they depended for work and livelihood and to some extent for services. No serious attempt was made to provide for all the complex needs and amenities of human society. Sites were reserved for churches, schools, and shopping centres; a few playing fields were included in the plans; but for the rest the estates were laid out with cottages, all very similar in scale and standard, at twelve houses to the acre.

In the new estates' social intercourse developed slowly. Societies and groups which came into being locally for educational purposes, or for recreation pure and simple, were continually hampered in their development by the absence of any place where they could meet. On each estate therefore such societies tended to get together and form Community Associations to demand buildings to serve their common needs. These movements were fostered, and in many cases initiated by the National Council of Social Service; in this way the idea of a Community Centre was born.

There were three important respects in which the situation on the new housing estates differed from conditions at the time of the founding of the settlements and missions. First, a new community had to be built absolutely afresh. There were no institutions or buildings already in existence. Secondly, owing to the steep rise in the cost of building it was no longer economically possible for particular groups and institutions, even with the aid of charitable subscriptions, to provide themselves with buildings according to their needs. Thirdly, inasmuch as the estates were entirely owned, planned and controlled by public authorities, there was at least a moral obligation on the authority to make sites available and to assist otherwise in the provision of all facilities necessary for a healthy social life. Thus the Community Centre has come to be officially regarded as a potential remedy for social ills in communities of all kinds, from the village to the industrial city; but it is important to remember that it was first prescribed as a specific for the peculiar malaise of the new housing estates. We shall have to consider how far its claim to be a general panacea centre is justified.

#### ACCOMMODATION AND PLANNING

The Community Centre was envisaged as a central institution providing accommodation and facilities for the common use of voluntary associations and groups on new estates. This would obviously include a hall with stage and dressing rooms, and a level floor for dancing; a large common room with a canteen; a gymnasium with changing accommodation and showers; games rooms; a reading room; several smaller rooms for committee meetings and group activities; accommodation for hobbies and handicrafts; and the necessary administrative offices, lavatories and cloakrooms. There was also found to be a need for a small hall, intended chiefly to be let for wedding parties and social gatherings; while the provision of tennis courts, a bowling green, etc., in the grounds was obviously a great asset.

The main task of the management committee was to arrange a mutually acceptable time-table providing for a fair share in the use of the various rooms by each group in accordance with its needs; to administer the finances; to run the centre, especially the parts of the building used in common—such as the canteen—in the interests of all users; and generally to foster the growth of a community spirit by adjusting differences and smoothing away causes of friction.

In planning, no two Community Centres are alike; nor is it right that they should be, if the layout is to be founded on local needs. General principles, however, would suggest that the main entrance hall should lead as directly as possible into a large welcoming common room, which, with the canteen opening off it, should be the focus of the plan. In principle the different groups should come together for social purposes and refreshments, but should then separate, each to its own special activity. The assembly hall may require a separate entrance, with its own cloak rooms and preferably either its own canteen or independent service from the general canteen. It should be so planned that it can be used independently of the rest of the centre.

This also applies to the small hall, where provided: as this room will frequently be let for private parties. The various group and activity rooms should be so arranged that the group using each room can carry out its own activities with a minimum of interference from and disturbance to other users. Rooms intended for noisy activities, such as music, hobbies, or physical recreation, should be kept apart from reading rooms and committee rooms; and so far as possible the windows of noisy and quiet rooms should not face one another. There should be ample accommodation for storage, and plenty of space for future expansion. The warden's office should be close to the common room and to the main entrance.

These considerations would seem to call for a loose informal arrangement, with a central core and several radiating wings, rather than for a tight symmetrical plan. An excellent general layout, though not without its disadvantages and intended to serve rather different needs from those of the ordinary Community Centre, is that of the Impington Village College, Cambridge-shire. This scheme combines the functions of an adult Community Centre and a school, and the central link in the plan takes the form not of a common room but of a fine spacious foyer, which serves by day as the school dining-room.

#### TYPICAL SOLUTIONS

Let us turn to the plan of the Filwood Social Centre, opened early in 1938 on the Bristol Corporation housing estate at Knowle West. In appearance it is imposing and attractive; but the balance between the assembly hall and the gymnasium at either end is somewhat forced. In order to obtain a really spacious open courtyard, the building has had to be extended to cover almost the whole of the site, so that later extensions will be impossible—a particularly serious drawback in a district in which community life is only in its infancy. Moreover, there is no centre to the plan where all groups would naturally congregate before or after separating about their own concerns. The entrance hall leads directly into the courtyard; and the only natural meeting place is the covered way round the quadrangle which serves for circulation. The plan of the covered way makes it impossible to keep the various groups and activities from jostling one another, and conduces to noise and disturbance. Most of the accommodation on the north-west side of the quadrangle is devoted to young people, in recognition of the fact that boys and girls cannot develop a proper club spirit if they have always to mix with their elders, and that they need rooms which they can regard as their own.

In planning the Kells Community and Miners' Welfare Centre near Whitehaven, much careful thought was given to provision for youth, and the arrangement is, on paper, much more satisfactory. Even in this case however it proved impossible to provide a separate physical recreation room or gymnasium for the use of the boys and the girls, and they have to share the adults' changing rooms. There is, as there should be, a separate entrance for boys and girls, whose accommodation is concentrated at one end of the building. They have their own control office at the entrance; there are separate games rooms for boys and for girls on separate floors, and a separate junior canteen. There is also a large workshop in the basement which is principally used by the boys' club. The accommodation for youth cannot be considered really adequate, but, such as it is, it is well arranged.

Kells is on the whole a most successful building. The main criticisms which might be made are the lack of a large welcoming common room immediately inside the adults' entrance hall, and the relative paucity of moderate-sized rooms. The



former need is to some extent supplied by the fine canteen on the first floor, from which it is possible to watch activities in progress in the gymnasium. Architecturally the building seems to me charming.

It has sometimes been argued that inasmuch as the community is based on the family, it is better that all members of the family, of whatever age or sex, should seek their recreation and social life together in one building, and that this will conduce to the growth of a strong community spirit. Nothing could be less true. Boys and girls at the adolescent stage are like fledglings, who need to spread their own wings away from the nest. In a healthy society a choice of youth organizations should be open to them; and in this country, though not, unfortunately, in all parts of it, a very considerable variety is available for them. There are boys' clubs, girls' clubs, twin clubs, and mixed youth clubs; Boy Scouts and Girl Guides; Boys' Brigades and the Girls' Life Brigade; the YMCA and the YWCA; the pre-service units—Army, Navy, and Air Force—and looser-knit organizations such as the Youth Hostels Association. A youth club housed in a Community Centre, however well-planned and well-led, cannot by itself provide a substitute for this variety of choice. It would be lamentable if there were no competition, and young people were

dragooned into the Community Centres and youth centres through the lack of any suitable alternative. When a boy throws in his lot with a particular youth organization it is probably the first time in his life that he takes an important decision on his own. As such it is a critical stage in his educational development. It is vital to him that the choice should be a real one.

It should be the task of the Community Centre to stimulate and encourage the development of a network of independent youth clubs and organizations, in consultation with the local representatives of such bodies as the Boy Scouts' Association, the Young Farmers' Clubs, or the National Association of Boys' Clubs. These organizations should wherever possible have their own premises outside the centre. The buildings should be adequate for their ordinary day-to-day programme, and should include a room suitable for physical activities, such as boxing and handball, etc., a changing room, and showers. These are not luxuries but rock bottom essentials. The Community Centre itself should provide supplementary facilities to be used by the organizations for special activities or on special occasions, such as for instance a full-size gymnasium, with complete set of apparatus, a first-class hall with stage, a properly equipped carpenter's shop or an

art studio; and also where possible playing fields, a swimming bath, and so forth. Youth organizations wishing to use these facilities should affiliate to the Community Association and claim a share in the timetable.

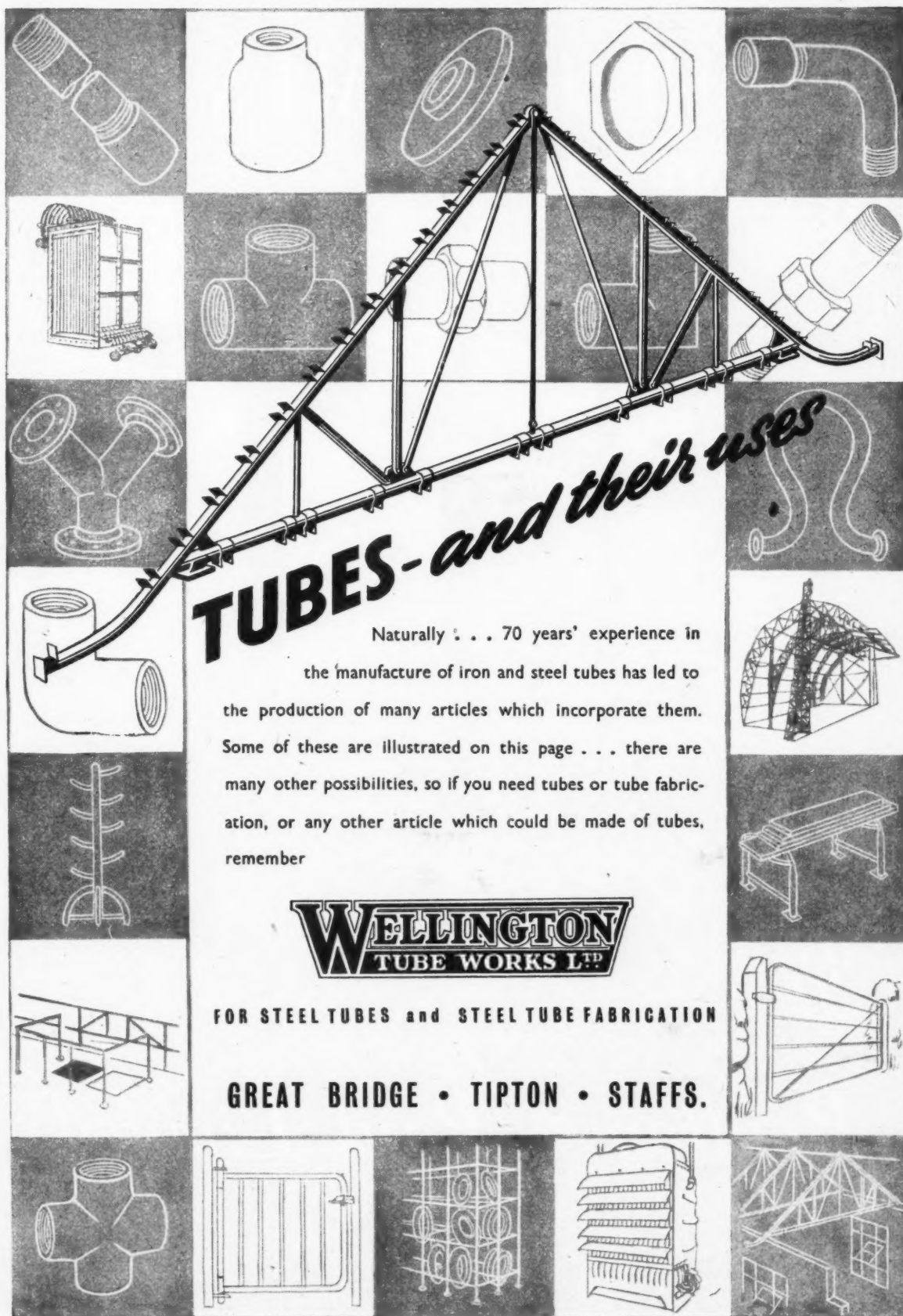
In pursuing the problems of youth, we may perhaps have strayed somewhat from the middle path, but I cannot admit that we have entered on a side track. Whatever the merits or shortcomings of existing Community Centres for adults—and some are better than others—Community Centres have definitely come to stay.

When the scheme for County Colleges is revealed we may of course find that their functions with regard to voluntary Youth Organizations are intended to be similar to those which I have suggested should be exercised by the Community Centres. Up to the present, however, we are in the dark, and some considerable time is bound to elapse before the County Colleges are in being. Meanwhile plans for Community Centres are going ahead. According to the principles and methods adopted, they can strengthen and sustain, or they can starve and possibly kill, the voluntary "Service of Youth" which alone can claim to be founded on many years of fruitful experience. Which is it to be? I suggest that there can be only one answer.




*The RIBA Conference photograph taken on the steps of St. George's Hall, Liverpool. The large gentleman at the top is Lord Beaconsfield.*





# TUBES - and their uses

Naturally . . . 70 years' experience in the manufacture of iron and steel tubes has led to the production of many articles which incorporate them. Some of these are illustrated on this page . . . there are many other possibilities, so if you need tubes or tube fabrication, or any other article which could be made of tubes, remember



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INFORMATION CENTRE · INFORMATION SHEETS  
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## TECHNICAL SECTION

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

### INFORMATION CENTRE

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

#### 2.35 planning: general

##### LANDSCAPING: SURVEY TECHNIQUE

*Landscape Survey: Methods of Preparation and Presentation.* B. Hackett. (J. Inst. of Landscape Architects, Apr., 1948, pp. 12-15.)

General outline of principles to be observed when undertaking and presenting landscape surveys from landscape architect's point of view. Some useful practical hints. No illustrations.

Selective division of basic material for landscape surveys at national, regional or county level. Collection of relevant data and determination of notation on survey sheet. Extent of information to be collected regarding large tracts of land, including geological features and soil classification. Data showing division of flora into trees, shrubs and plants. Typical aspects of detailed and of general landscape survey work.

Presentation technique of landscape on plan. Useful and detailed discussion of three recommended methods, including rendered wash drawing, line drawing and purely informative working drawing for office use only.

#### 4.35 planning: urban and rural

##### BRADFORD CENTRAL AREA

*Proposed Replanning of the Central Area of the City of Bradford.* S. G. Wardley, City Engineer and Surveyor. (J. Inst. of Municipal Engineers, Apr. 6, 1948, pp. 501-521.)

Detailed paper discussing planning problems of Bradford's central area created through rapid growth of town as centre of woollen industry in West Riding of Yorkshire. Fully illustrated.

Redevelopment proposals laid down in plan approved in principle by City Council. Object of main road pattern in relation to principal zones. Development of new shopping precinct based on existing shopping area. Principal features of main traffic

system. Detailed information on traffic survey undertaken in order to ascertain ultimate value of proposed city ring road. Compilation of survey data based on directional traffic census. Preparation of existing traffic flow diagrams. Result of survey shows that 63 per cent. of traffic approaching proposed city ring road will be diverted from otherwise congested city centre.

#### 17.30 construction: general REINFORCED CONCRETE

*The Structural Use of Normal Reinforced Concrete in Buildings.* BS C. of P. 114: 1948. (British Standards Institution. 5s.)

Code governing the design of normal reinforced concrete structures in buildings.

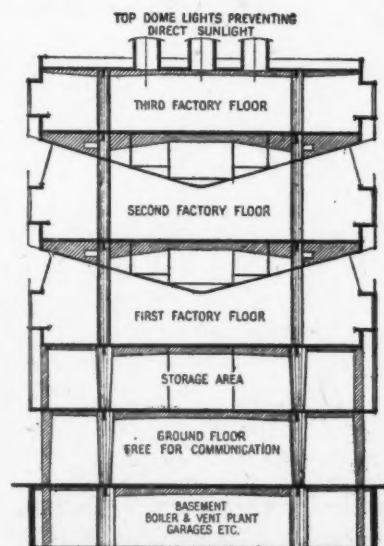
The draft of this code was published for comment in 1946 and was reviewed in No. 2726:19.9.46. The final code contains several improvements, but is still far from being up to date. The following alterations of the draft are of interest:—

(1) The correct formula for the design of axially loaded columns, already included in the 1934 Code, but omitted from the 1946 draft, has been restored.

(2) The higher bond strength of deformed bars as compared with that of plain round bars is now acknowledged, although to a very limited extent.

(3) Whilst the draft specified a minimum cube strength of 3,000 lb./sq.in. the final code admits that where difficulty is found in reaching this value, a strength of 25 per cent. lower may be accepted, provided that the working stresses are reduced in the same ratio. This means that a minimum cube strength of 2,250 lb./sq.in., which has so far proved satisfactory in many types of work, will also be acceptable in the future.

(4) Details relating to walls, fire resistance, inspection and testing, maintenance, have been added.



*Gross section through typical three-storey block of flatted factories. See 24.74.*

It is specifically stated that the code will be revised, if necessary, within a period of five years. There can be no doubt about the necessity of a revision and it may be hoped that the next issue will introduce the ultimate load method in general and not only for axially loaded columns. Further desirable improvements would be a variation of the permissible steel stress according to the size of bars and type of structural member in which they are used and increased permissible stresses for high tensile steel as shear and compression reinforcement.

A considerable part of this code has been repeated in the Draft Sub-Code 113.100 (see No. 17.19). There is no justification for such overlapping, since the sub-code can hardly be used without the main code. By avoiding unnecessary repetitions it should be possible to reduce the price of these publications, which appears to be unduly high.

The schedule of symbols and the index are very useful.

#### 24.74 lighting

##### FLATTED FACTORIES

*Flats for Housing Industry.* Z. Borys. (Times Review of Industry, Apr., 1948, pp. 6-7.)

Flatted scheme for factories; interesting construction influenced by daylighting. Useful; illustrations, two sections and sketch.

It is suggested that factory space could usefully be provided in multi-storey buildings constructed in a novel way, illustrated in the accompanying sketch. The essence of the idea is that each factory floor is held up by an inverted truss spanning between two round columns. Two outstanding technical advantages accrue. The space within each truss can be used for services and communications; and for a given average ceiling height, the daylighting would be exceptional. Thus in the diagram the minimum ceiling height, in the middle, is 9 ft. 6 in. while the window lintel would be nearly 20 ft. The total width of the building is 60 ft., and two windows rising to 20 ft. would obviously give good lighting.

It is claimed that the scheme would compete with single-storey factories in areas of high rental value. Part of the economy claimed therefore would seem to be based on low land costs and low service costs. Planning advantages and a number of other points are mentioned.

The general arrangement is for daylighting, and it is surprising and a little disappointing to find that the author entertains some very incorrect ideas about illumination.

*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

#### 2945 PRIMARY SCHOOLS: SIZE

**Q** After studying the "Regulations Prescribing Standards for School Premises, 1945" (Statutory Rules and Orders, 1945, No. 345), I cannot find that the number of pupils allowed per Primary School is stated in these regulations.

**A** The number of pupils allowed per class in a Primary School is 40. It will, therefore, be seen that a Two Form Entry Infants School of 5 or 6 classrooms will have accommodation for 200 or 240 pupils.

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*This feature covers both the production and marketing of new materials and designs of equipment, as well as the general trend of developments within the building industry.*

## THE INDUSTRY

### DEVELOPMENTS IN PLASTICS

Waverite, an associated company of Bakelite Ltd., have recently announced two interesting developments. The first is a laminated skirting marketed in standard widths of 4 inches and 6 inches and in lengths up to 8 feet, and with a thickness of  $\frac{1}{4}$  in. Quite apart from the saving in timber, these skirtings have considerable advantages for housing work as they are available in a wide colour range and do not require any subsequent painting or other maintenance, while their use involves no particular difficulties in cutting on the site.

The other development is a fluted version of the Waverite laminated sheet. This is available in the same range of colours as the standard sheet, which includes anything in the British Colour Council's range, with others if necessary. So far the fluted sheets are made in 8 ft. by 2 ft. size as against 8 ft. by 4 ft. for the ordinary laminated sheet, but this limitation should be of little importance as with the fluted surface a butt joint is almost invisible. (Waverite, Ware, Herts).

### A PREFABRICATED ROOFING UNIT

The Sommerfeld floor joint was referred to in the A.J.'s report of the Building Exhibition last year, and the same firm has now introduced a number of other items, some

of which were shown for the first time at last month's BIF. One of the most interesting ideas is the roofing unit, illustrated here. This is designed to take a covering of tiles and is made to suit any normal roof span, while it needs no intermediate support from partitions. Each roof unit consists of a panel welded up from steel strip and rod, and is 3 ft. wide, the transverse rods being at centres appropriate for the tiles. The panels are packed flat for transport and hinged at the ridge for erection. The photograph also shows the tension booms, of which there are two to each panel; these fold sideways for transport, so that the space occupied by each panel is kept to a minimum, so much so that panels for the roofs of eight complete 1,000-ft. houses can be packed on to a single lorry. The feet of the panels are tied together with rods, which carry the battens for the plasterboard ceiling, and there are additional hangers from the angles of the tension booms to support the ceiling.

This type of roof should show a considerable saving in time and labour on the site, and it has the additional advantage of using no timber, while it can be supplied without licence or any steel authorization.

The same firm also makes larger trusses for spans up to 45 ft., steel partitions, cavity sub-frames for windows, fencing, soil pipes, reinforcement cages for precast concrete products, manhole covers and door frames, much of the material used being from stock, or surplus from other work. (K. J. and A. Sommerfeld, Ltd., Trench Works, Wellington, Salop.)

### SCHOOL EQUIPMENT

The RIBA New Schools Exhibition, which stays open for another fortnight, includes quite a large and varied display of school furniture and equipment which has been collected by the Council of Industrial Design and chosen for display by a committee of architects. School furnishing no longer consists of a series of desks and a blackboard, for contemporary educational trends call for a considerable variety of equipment to suit different age groups. For



*An infants' hexagonal table, manufactured by Harris Lebus Ltd., exhibited at the RIBA New Schools Exhibition.*

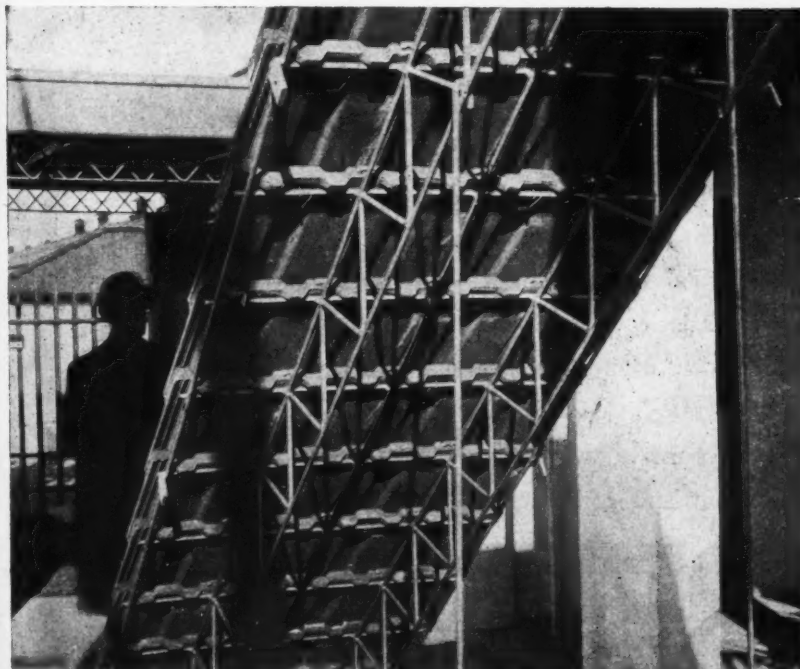
younger children, particularly, it seems necessary to provide furniture which can be easily rearranged so that instruction can be carried on in small groups, and storage space is also needed on quite a large scale for toys, equipment and tools.

Another result of the variety of equipment is the demand for stackable furniture, and it was most noticeable that the majority of the desks, chairs and tables shown have been designed with this in mind. The ESA aluminium and plywood chair has already been illustrated in these notes, and this firm has now produced a stacking table desk, and a small stacking table for infants' use (Educational Supply Association, Esavian House, High Holborn, London, W.C.1.) Messrs. Harris Lebus (Finsbury Works, Tottenham, N.17) show a very interesting range of infants' furniture designed for them by R. D. Russell, the small tables having splayed ends so that they may be arranged in straight runs or in a zigzag plan, while a hexagonal centre table is also produced to work in with them. Another slightly unusual piece of equipment is a combined water trough and sand table shown by Educational Aids (247, Tottenham Court Road, London, W.1). In this the table top is detachable to reveal the water tank underneath. This has a drain tap and a rim to prevent spilling the water, while the table top rests on cross members near the floor and is used as a storage shelf. The whole unit is fabricated from sheet steel and stove enamelled, though it was impossible at the exhibition to discover whether it is adequately rustproofed.

Other exhibits include a number of light fittings by Troughton and Young (143, Knightsbridge, S.W.1), and nesting chairs and tables by Kingfisher Ltd. (139, Knightsbridge, S.W.1). Throughout the exhibition particular attention has been paid to the suitability of the exhibits to present school requirements, availability for delivery this year, and to prices, all of which are within reasonable limits for school work. The whole show is one to which any architect might well take members of his Education Committee.

### ELECTRIC CLOCK SYSTEMS

A recently published leaflet from Gent and Co. describes their controlled electric clock system, in which any number of clocks can be controlled from a master pendulum clock. Clock systems of this kind have been in wide use for a number of years, but with the almost universal use of frequency controlled AC supplies, there has been a growing tendency to use individual synchronous clocks driven direct from the mains. In normal times these can be perfectly satisfactory, but we now know that what is euphemistically termed load shedding is likely to continue for four or five years. Even in a comparatively small office block the job of re-setting individual clocks can take some time, and the master clock with



*Part of a prefabricated roofing unit. Panels for the roofs of eight complete 1,000-ft. houses can be put on a single lorry. They are packed flat and hinged at the ridge for erection.*

a number of slave clocks overcomes this difficulty. Driven by dry cells, or by trickle charged accumulators, the clock system is independent of frequency variations or temporary supply failures, while the master clock can be regulated to keep time within plus or minus half a second a day, which seems adequate for any reasonable purpose. The slave clocks, which are driven by impulses every half-minute from the master, are produced in a variety of suspended and wall mounting types.

The leaflet also covers programme instruments for automatically sounding factory and school signals, and workmen's time clocks. (*Gent and Co., Ltd., Faraday Works, Leicester.*)

## Announcements

Results of the Building & Allied Trade Golfing Association spring meeting held on the Berkshire Golf Club on April 27. Scratch Prize: C. W. Roe (78). Dyke Cup: F. Pavletitch (net 65). Singles (Senior): W. J. Jones (net 70). Singles (Junior): F. Pavletitch (net 65). Foursomes: J. T. Cox and R. Bailey (4 up).

Messrs. Musgrave & Co., Ltd., heating and ventilating engineers, of St. Ann's Works, Belfast, have opened branch offices at 89a, Clayton Street, Newcastle-upon-Tyne. The manager is Mr. W. J. Adams, B.Sc.

Messrs. Arthur J. Willis & Thompson, Chartered Quantity Surveyors, of 41/42, Parliament Street, London, S.W.1, have opened a branch office at 26, St. George's Place, Canterbury, Kent (telephone: Canterbury 3556), and would be pleased to receive catalogues and price lists at that address.

The Architect and Planning Officer to the

Isle of Man Local Government Board would be glad to receive catalogues and appropriate trade information concerning work normally undertaken by a local authority. Address:—Architect and Planning Officer, Murray House, Douglas, Isle of Man.

Messrs. A. McInnes Gardner and Partners, architects, have moved to 223, West George Street, Glasgow, C.2. Telephone: Central 1331.

McKechnie Brothers Limited, of Birmingham, England, and Bedford Metals (Pty.), Limited, of Germiston, South Africa, announce that a new associated company in South Africa is in course of formation. The new company will manufacture and handle the products associated with McKechnie Brothers Limited, Birmingham, and Bedford Metals (Pty.) Limited, Germiston, including extruded solid and hollow rods and sections, and rolled strip in copper, brass, bronze and light alloys, cast phosphor bronze bars, and gunmetal, brass, and bronze ingots.

## Correction

The following amendments should be made to the article on Nursery Schools by Mr. Denys Lasdun in the *Journal* for May 20:—

Page 458: The phrase "observation windows" in the caption to the drawing by Gordon Cullen applies to the glazing between the playroom and the cloakroom, and not to the playroom windows looking on to the garden.

Page 461: Column 1, line 27. For "It must be warm and soft . . . etc." read "The playroom floor must be warm and soft . . . etc."

Page 474: The tailpiece, drawing also illustrates the design for a bedstore referred to on page 461, column 2.

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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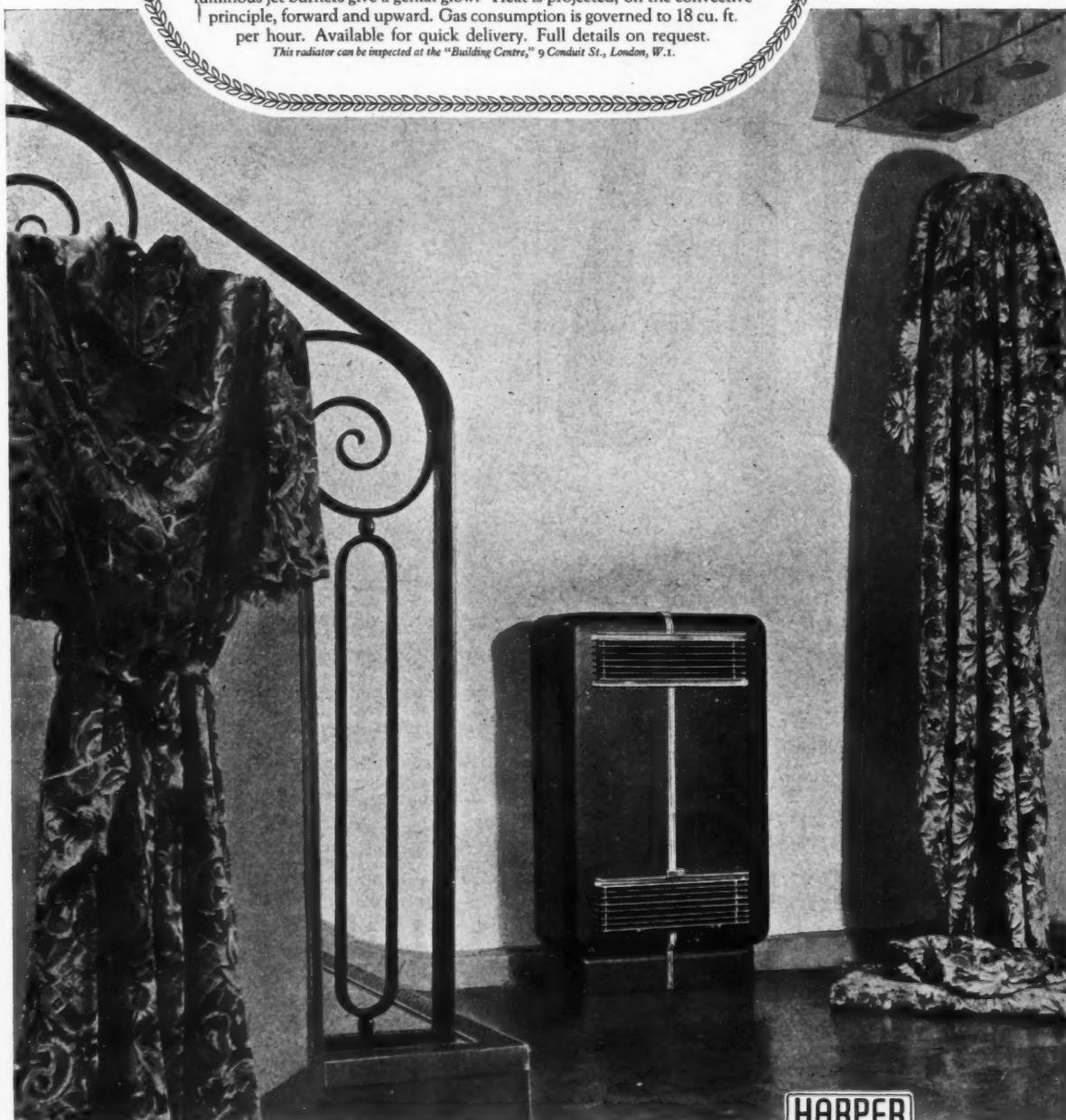
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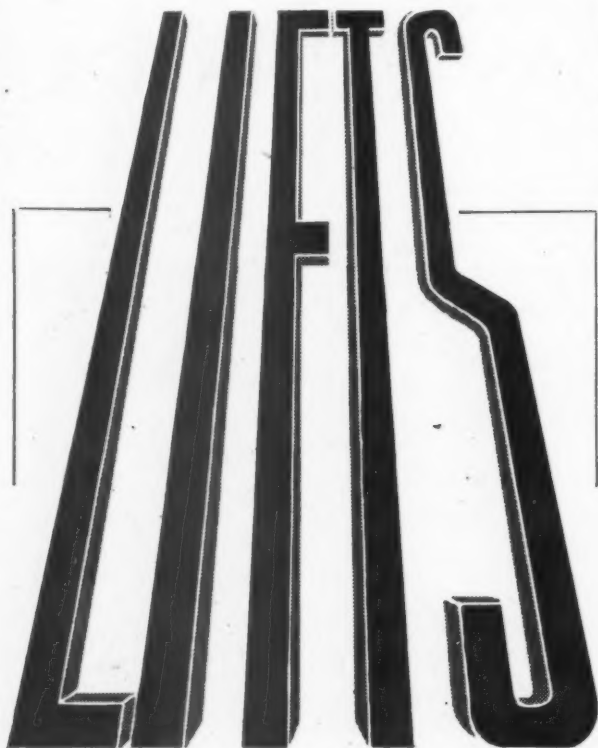
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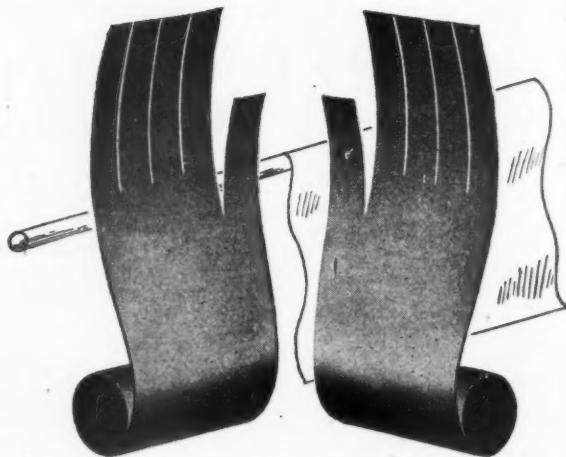
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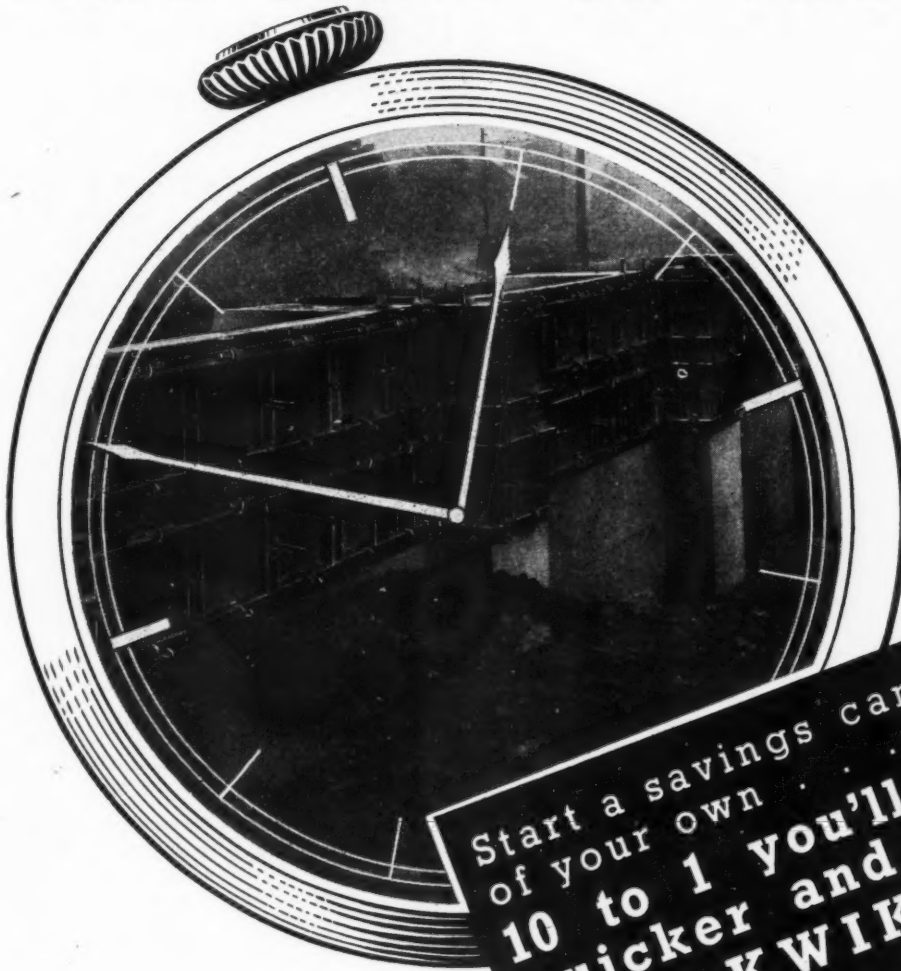


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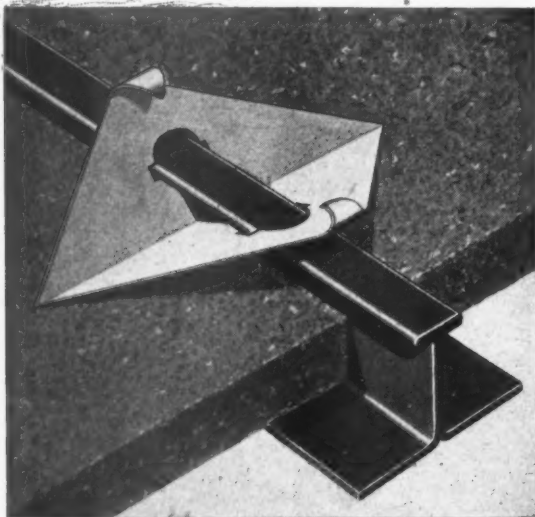


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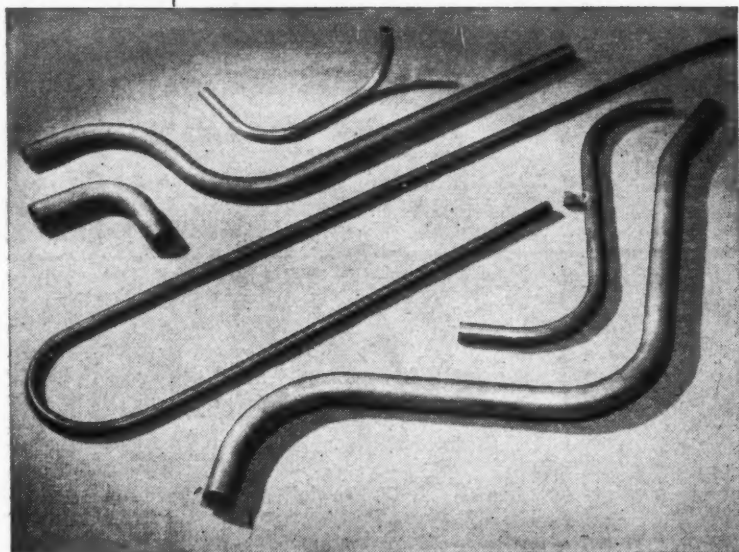
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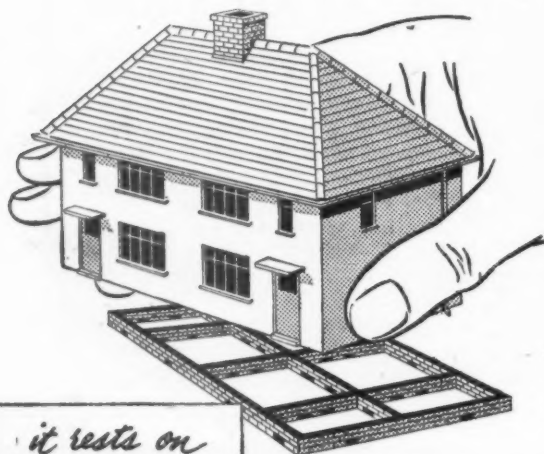
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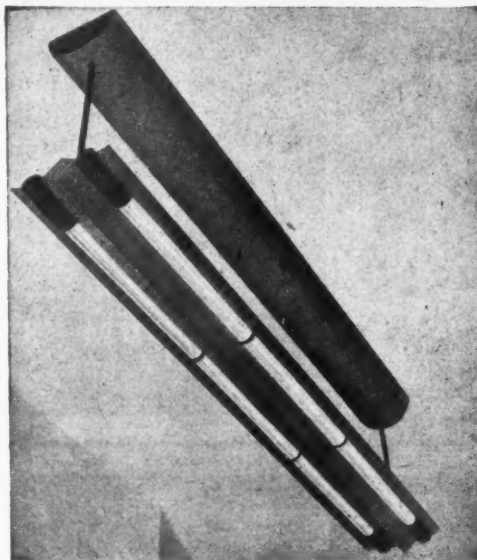
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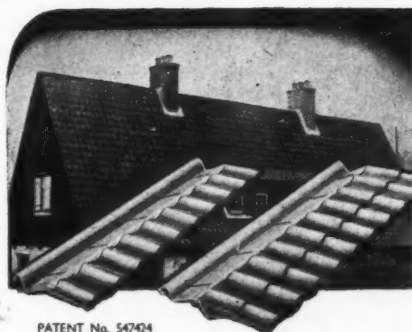
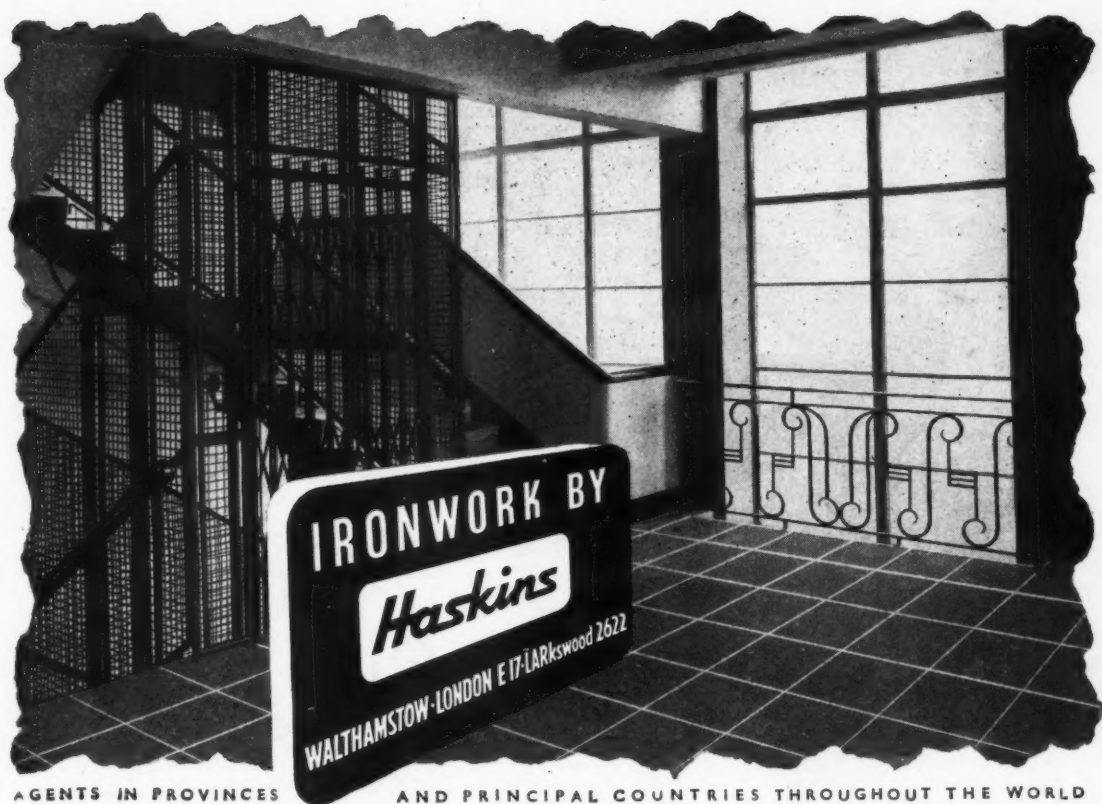
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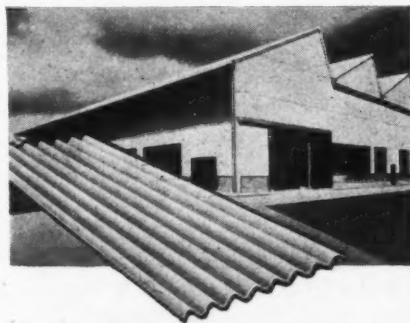




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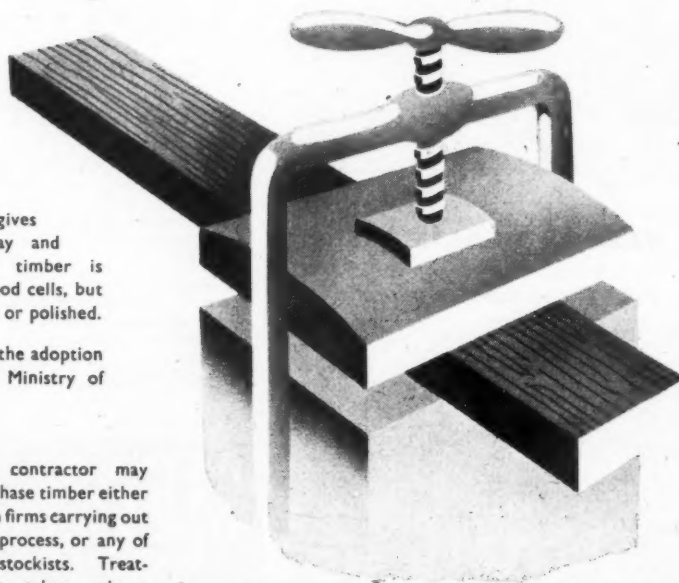
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## CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 8, 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 to the Advt. Manager, "The Architects' Journal," at the address given above.

None of the vacancies in these columns relate 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 exempted 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

5 lines or under, 10s.; 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, MATON PLACE, LONDON, S.W.1. TEL. STONES 5615. 991

## LONDON COUNTY COUNCIL.

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

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

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.W.1 (stamped addressed envelope envelope required). Canvassing disqualified. (870) 1092

## LONDON COUNTY COUNCIL. VACANCIES FOR PLANNING STAFF IN THE ARCHITECT'S DEPARTMENT.

Applications are invited for a number of temporary positions in the following grades:—

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

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

TECHNICAL ASSISTANT. 55s. per week to £580 a year.

Commencing rate of pay, except for Grade II, according to qualifications and experience. Opportunities for competing on merit for permanent appointment and higher grades on the occurrence of vacancies. Successful candidates will be superannuable.

The planning work involved includes research assistance in preparation of the Development Plan and Reconstruction Areas, and work on interim development applications.

Knowledge of current town planning legislation is desirable, and candidates for Grade II and Grade III positions should possess Architectural, Surveying or Town Planning qualifications.

Application forms from Architects to the Council (P), County Hall, Westminster, S.W.1 (enclosing stamped addressed foolscap envelope). Canvassing disqualified. (1222) 897

## WEST SUFFOLK COUNTY COUNCIL.

## COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointments in the above Department at Bury St. Edmunds:—

(a) ASSISTANT PLANNING OFFICER. A.P. & T., Grade VI (£595-£660). This Officer will be required to take charge of the West Suffolk office under the direction of the County Planning Officer for the purposes of development control and survey work. He should have had wide experience in all aspects of Town and Country Planning, Development Control, and the preparation of factual surveys.

(b) SENIOR PLANNING ASSISTANT. A.P. & T., Grade V (£520-£570).

(c) PLANNING ASSISTANT. A.P. & T., Grade II (£420-£465).

Applicants for appointments (a) and (b) should be either Members or Associate Members of the Town Planning Institute. Preference will be given to those possessing qualifications in either engineering, surveying or architecture. They will be required to provide a motor car, for which they will be paid a travelling allowance in accordance with the County Scale.

Commencing point in salary scales will be fixed in each case according to qualifications and experience. Appointments will be subject to the provisions of the Local Government Superannuation Act, 1937. Successful candidates will be required to pass a medical examination.

Applications in own handwriting, stating age, education, war service (if any), experience, present position and salary, together with the names of two referees, should be submitted as soon as possible.

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

Shire Hall, Bury St. Edmunds. 18th May, 1948. 914

## NORTH-WEST SURREY JOINT PLANNING COMMITTEE.

## ASSISTANT AREA PLANNING OFFICER.

Applications are invited for the appointment of Assistant Area Planning Officer, at a salary within Grade V (£520-£570) of the National Joint Council's scale, together with a travelling allowance.

The commencing salary within the grade will be determined according to the qualifications and experience of the candidate appointed.

Applicants must have had previous experience in a Planning Office, the preparation of Planning Schemes, and of the control of interim development.

Candidates must have passed the final examination of the Town Planning Institute, and preference will be given to those possessing an additional qualification in Engineering or Architecture.

The successful candidate will be required to pass a medical examination and to work in the Area Office in Woking in the employment of the Surrey County Council.

Forms of application may be obtained from the undersigned, to whom they should be delivered in envelopes endorsed "Assistant Planning Officer," not later than 14th June, 1948. Canvassing, either directly or indirectly, will disqualify.

F. H. SMITH, Hon. Secretary to the Committee.

Council Offices, Woking, Surrey. 19th May, 1948. 935

## COUNTY BOROUGH OF EAST HAM.

## Appointments of:—

(1) ENGINEERING ASSISTANT,

(2) SENIOR ASSISTANT PLANNING OFFICER.

in the Borough Engineer's Department. Applications are invited for the following permanent appointments, in the Borough Engineer's Department.

(1) ENGINEERING ASSISTANT (Grade V). Candidates must be Associate Members of the Institution of Civil Engineers or of the Institution of Municipal Engineers, or hold an equivalent qualification, and be experienced in general municipal engineering.

(2) SENIOR ASSISTANT PLANNING OFFICER (Grade V). Candidates should preferably be Associate Members of the Town Planning Institute or hold an equivalent qualification, and have had a general experience of planning work; experience in a County Borough would be an advantage.

Salary in each case £520 by two increments of £15 and one of £20 to £570 per annum, plus London allowance.

The Council have in course of preparation a large and varied programme of interesting works, which it is anticipated will not be affected by the proposed reductions in capital expenditure.

Housing accommodation is not provided, but the Council will be prepared to consider applications for subsistence allowances if the persons appointed are unable to obtain suitable accommodation.

Particulars of the terms and conditions of appointment and form of application (which must be returned by Monday, the 14th June, 1948) may be obtained from the undersigned.

Canvassing in any form will disqualify. H. A. EDWARDS, Town Clerk.

Town Hall, East Ham, E.6. 12th May, 1948. 908

## BOROUGH OF WHITEHAVEN.

## ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment, in the Borough Surveyor's Department. Applicants must be Members of the Royal Institute of British Architects, and should have had experience in housing and general building works as carried out by a local authority. Experience in taking off and billing quantities will be an advantage.

The salary will be in accordance with A.P.T. Grade IV, of the National Scales (£480 to £525 per annum).

Applications, stating age, qualifications and experience, together with copies of two recent testimonials, should be addressed to the undersigned not later than Monday, 7th June, 1948.

A house will be available for the successful applicant. A. D. VICKERMAN, Town Clerk.

Town Hall, Whitehaven. 18th May, 1948. 933

## CITY OF CANTERBURY.

## SECOND ASSISTANT ARCHITECT.

Applications are invited for the appointment of Second Assistant Architect, in the City Architect's Department, at a salary in accordance with Grade A.P.T. IV. £480-£525.

Applicants must be A.R.I.B.A., and should have had experience of housing work. Town Planning experience is also desirable, but not essential.

The successful candidate will be required to pass a medical examination. Applications, giving age, full particulars of experience and qualifications, and the names of not more than three persons to whom reference may be made, should be received by Mr. L. Hugh Wilson, A.R.I.B.A., A.M.T.P.I., City Architect, not later than 18th June, 1948.

J. BOYLE, Town Clerk.

Municipal Buildings, Canterbury. 26th May, 1948. 986

## METROPOLITAN BOROUGH OF LAMBETH.

## PROPOSED NEW HOUSING ESTATE.

## LEIGHAM COURT ROAD ARCHITECTURAL COMPETITION.

Architects resident in the United Kingdom (of whatever nationality) are invited to submit designs in open competition for the layout and design of dwellings on a site of eight acres net at Leigham Court Road, Streatham Common North. The Council has nominated Mr. C. H. James, R.A., F.R.I.B.A., to act as Assessor, and his award will be final and binding on all parties.

The premiums offered are £500, £200 and £100 for the designs placed first, second and third respectively.

Applications for conditions, accompanied by a deposit of two guineas (repayable on receipt of bona fide design or on return of the conditions of competition not later than the 31st November, 1948, in the case of competitors who do not intend to proceed with the competition), should be made to the undersigned as soon as possible and not later than 1st July, 1948. Designs are to be submitted to the Council on or before 31st December, 1948; designs received after this date will not be considered. The last day for questions will be 1st September, 1948. It is the intention of the Promoters to employ the successful competitor to carry out the work, and the fees will be in accordance with the R.I.B.A. scale fee for State-aided Housing Schemes and for Multi-Storey Flats. The first premium will merge in the fees paid.

O. L. ROBERTS, Town Clerk.

Lambeth Town Hall, Brixton Hill, S.W.2. 1948. 919

## CITY OF WAKEFIELD.

## CITY ENGINEER'S DEPARTMENT.

## APPOINTMENT OF ARCHITECTURAL ASSISTANT (GRADE IV).

Applications are invited for the appointment of Architectural Assistant, in the City Engineer's Department, at a salary in accordance with Grade IV (£480-£525), and commencing at £510 per annum.

Preference will be given to candidates who are Associates of the Royal Institute of British Architects and who have had experience in school design and construction.

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

Applications, endorsed "Architectural Assistant," stating age, qualifications, present and previous appointments and experience, and accompanied by copies of two recent testimonials, should reach the undersigned not later than Saturday, the 5th June, 1948.

Candidates should state in writing whether to their knowledge they are related to any member or senior official of the Corporation. Canvassing will be a disqualification.

W. S. DES FORGES, Town Clerk.

Town Hall, Wakefield. 12th May, 1948. 903

## BOROUGH OF KEIGHLEY.

## BOROUGH ARCHITECT'S AND HOUSING DEPARTMENT.

## Applications are invited for the position of ARCHITECTURAL ASSISTANT. Grade A.P.T. I. £390 to £435 per annum.

Applications, stating age, education, training, qualifications, experience, past and present employment, and accompanied by two testimonials and one professional reference, to be forwarded to the undersigned not later than first post Monday, 14th June, 1948.

The appointment is subject to the Conditions of Service of the Corporation, and it is not possible to provide housing accommodation for the successful applicant. Canvassing will disqualify.

E. G. FELGATE, A.R.I.B.A., Borough Architect.

Borough Architect's and Housing Department. College Street, Keighley. 899

## BOROUGH OF COLCHESTER.

## TEMPORARY ARCHITECTURAL ASSISTANT.

Applications are invited for the following temporary appointment, in the Borough Engineer's Department:—

TEMPORARY ARCHITECTURAL ASSISTANT, at a salary in accordance with A.P.T. Grade V (£520 to £570 per annum).

Candidates must have passed the Final Examination of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have had experience in housing work undertaken by a Local Authority.

Subject to satisfactory service, the appointment will extend for a minimum period of two years, subject to one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of not more than two recent testimonials, must be delivered to the Borough Engineer, at the address given below, not later than 9th June, 1948, endorsed "Temporary Architectural Assistant."

Canvassing will disqualify, and applicants must state whether they are related to any member or senior official of the Council.

N. CATCHPOLE, Town Clerk.

Town Hall, Colchester. 25th May, 1948. 968



**NORTHAMPTONSHIRE COUNTY COUNCIL.  
COUNTY ARCHITECT'S DEPARTMENT.  
APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Chief Architectural Assistant (Grade A.P.T., VIII, salary scale £685-£760).

Candidates must have had professional and administrative experience in Local Government service. They must be Associates of the R.I.B.A., and should be capable of controlling technical and administrative staff. Training at one of the recognized schools of architecture would be an asset.

The appointment will be determinable by three months' notice on either side, and will be subject to the provisions of the Local Government Superannuation Acts, and the selected candidate will be required to pass a medical examination before the appointment is confirmed.

Forms of application embodying further particulars of the appointment may be obtained from the County Architect, County Hall, Northampton, to whom applications, endorsed "Chief Architectural Assistant," accompanied by a copy of one recent testimonial, must be delivered not later than 25th June, 1948.

J. ALAN TURNER,

Clerk of the County Council.

County Hall, Northampton.

20th May, 1948.

920

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

Applications are invited for the above-mentioned appointment, in the Borough Surveyor's Department, at a salary of £480 per annum, in accordance with Grade IV, A.P.T. Division, and subject to the National Scheme of Conditions of Service relating to Local Government Officers.

A flat, with garden, will be made available to the selected candidate.

Persons studying for the R.I.B.A. Final Examination will be considered.

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 12th June, 1948.

H. BAILEY CHAPMAN,

Town Clerk.

Town Hall, Burton-upon-Trent.

20th May, 1948.

950

**CARMARTHENSHIRE COUNTY COUNCIL.  
COUNTY ARCHITECT'S DEPARTMENT.  
Applications are invited for the following appointments on the staff of the County Architect's Department:—**

(a) ONE ASSISTANT ARCHITECT, Grade V. £520 × £15 × £20—£570 per annum.  
(b) ONE ASSISTANT ARCHITECT, Grade IV. £480 × £15—£525 per annum.

Candidates for the above appointments must be Registered Architects, preferably A.R.I.B.A., with good general experience in design and construction of public buildings, including schools.

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

The appointments will be terminable by one month's notice on either side.

Applications, stating name, age, qualifications, experience, present and previous appointments, together with copies of three recent testimonials, should be delivered to W. T. Lloyd, A.R.I.B.A., County Architect, County Hall, Carmarthen, not later than Saturday, 19th June, 1948.

DANIEL JOHNS,

Clerk of the County Council.

County Offices, Spilman Street, Carmarthen.

25th May, 1948.

958

**LONDON COUNTY COUNCIL.**

**QUANTITY SURVEYORS.**

Vacancies exist for Quantity Surveyors, in the Housing and Valuation Department, for work in connection with the development of cottage estates and the construction of multi-storey dwellings, at consolidated salaries of up to £580 a year, the commencing salary in each case being determined according to qualifications and experience. Successful candidates will be required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for appointment to the Council's permanent staff and for advancement on the occurrence of vacancies.

Duties will include:—  
(a) Measurement of work in construction of houses, roads and sewers, preparation of interim and final bills; measurement and adjustment of sub-contracts; preparation of cost statistics, estimates, etc.  
(b) Management of housing contracts of considerable value; interim valuations for payments; measurements of variations and settlement of final accounts.

Forms of application may be obtained from the Director of Housing and Valuer, The County Hall, Westminster Bridge, S.E.1 (a stamped addressed foolscap envelope required). Completed forms must be returned not later than seven days after the appearance of this notice. Canvassing disqualifies. (633)

997

**CITY AND COUNTY OF NEWCASTLE-UPON-TYNE.**

**CITY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments:—

Architects in the General, Housing and Education Sections:

(a) FOUR SENIOR ASSISTANT ARCHITECTS.

Salary £595 per annum, rising to £660 per annum (A.P.T., Grade VI).

(b) SIX SENIOR ASSISTANT ARCHITECTS.

Salary £520 per annum, rising to £570 per annum (A.P.T., Grade V).

(c) ONE ASSISTANT ARCHITECT.

Salary £450 per annum, rising to £495 per annum (A.P.T., Grade III).

(d) ONE ARCHITECTURAL ASSISTANT.

Salary £420 per annum, rising to £465 per annum (A.P.T., Grade II).

Applicants for appointments (a) and (b) should be Associates of the Royal Institute of British Architects, and have had a thorough training in design and construction, preferably that of a School of Architecture, and must have had wide experience in the preparation of sketch plans, working drawings and details.

Applicants for appointments (c) and (d) should have passed the Intermediate Examination of the Royal Institute of British Architects.

Quantity Surveyors Section:

(e) CONTRACTS OFFICER AND CHIEF QUANTITY SURVEYOR.

Salary £750 per annum, rising by annual increments of £50 to £850 per annum, plus cost-of-living bonus, £59 16s. The Officer appointed to this post will control the whole of the Quantity Surveying staff, and must have had extensive experience in the administration of Contracts. The appointment will be subject to 3 months' notice on either side.

(f) PRINCIPAL QUANTITY SURVEYOR.

Salary £685 per annum, rising to £760 per annum (A.P.T., Grade VIII).

(g) TWO SENIOR ASSISTANT QUANTITY SURVEYORS.

Salary £595 per annum, rising to £660 per annum (A.P.T., Grade VI).

(h) THREE ASSISTANT QUANTITY SURVEYORS.

Salary £520 per annum, rising to £570 per annum (A.P.T., Grade V).

Applicants for appointments (e) and (f) must be Fellows or Professional Associates (Quantities Sub-division) of the Royal Institute of Chartered Surveyors, and must be thoroughly experienced in the preparation of Bills of Quantities, Specifications, and Schedules of Work carried out by Local Authorities, including the measurement, adjustment, and preparation of Interim and Final Accounts. Applicants should be competent estimators and possess a thorough knowledge of constructional detail and methods. Previous experience in the conduct of Direct Labour schemes is desirable.

Applicants for appointments (g) and (h) must have had experience in the preparation of Bills of Quantities, Specifications, Estimates, and the settlement of Final Accounts on all kinds of Building contracts. Preference will be given to Professional Associates of the Royal Institute of Chartered Surveyors.

The appointments will be subject to the National Conditions of Service as adopted by the City Council; to the provisions of the Local Government Superannuation Act, 1937, and with the exception of (e) above will be subject to one month's notice on either side. The successful candidates will be required to pass a medical examination.

Applications, stating age, particulars of education and training, qualifications, experience, present and previous appointments, together with copies of two recent testimonials, and names and addresses of two persons to whom reference may be made, should be addressed to George Kenyon, City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1, to reach him not later than the 19th June, 1948.

JOHN ATKINSON,

Town Clerk.

Town Hall, Newcastle-upon-Tyne, 1.

25th May, 1948.

979

**URBAN DISTRICT OF EAST BARNET.  
APPOINTMENT OF CHIEF ARCHITECTURAL AND TOWN PLANNING ASSISTANT.**

Applications are invited for the above permanent appointment, at a salary in accordance with Grade VI of the A.P.T. Division of the National Joint Council's scale (£595-£660, consolidated), plus the appropriate London weighting and car allowance for a 10 h.p. Car or under, also in accordance with the National Scale.

Applicants should hold Architectural and/or Town Planning qualification by examination, and preference will be given to those having previous experience in similar work with a Local Authority.

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

Applications must be made on forms to be obtained from the undersigned and returned to him by not later than 18th June, 1948.

C. M. BARNES, O.B.E., M.I.Mun.E.,

Engineer and Surveyor.

Town Hall, Station Road, New Barnet,

Hertfordshire.

964

**BOROUGH OF NEATH.  
BOROUGH ENGINEER'S DEPARTMENT.  
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the above permanent appointment in the Borough Engineer's Department.

Candidates should have experience in preparation of Plans, Specifications and Bills of Quantities for Housing Schemes, including Roads and Sewers. The salary will be A.P.T., IV, £480 to £525, by three annual increments of £15.

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

The appointment may be terminated by one month's notice on either side.

Applications, stating age, qualifications, experience, and accompanied by copies of three recent testimonials, should be sent to the undersigned, endorsed "Architectural Assistant," so as to be received not later than 19th June, 1948.

ALFRED E. I. CURTIS,

Town Clerk.

964

**GLAMORGAN COUNTY COUNCIL.  
COUNTY PLANNING DEPARTMENT.**

Applications are invited for the following appointments, in the above Department:—

(a) CHIEF PLANNING ASSISTANT, in the Area Planning Office at Bridgend. Salary in accordance with Grade V (Administrative, Professional and Technical) of the National Joint Council's scale of salaries, £520 per annum, rising by annual increments (two of £15 and one of £20) to a maximum of £570 per annum.

(b) ENGINEERING ASSISTANT, at Cardiff.

(c) GENERAL PLANNING ASSISTANT, in the Area Planning Office at Pontypridd.

Salaries for both appointments (b) and (c) in accordance with Grade IV (Administrative, Professional and Technical) of the National Joint Council's scale of salaries, £480 per annum, rising by annual increments of £15 to a maximum of £525 per annum.

(d) PLANNING ASSISTANT (Male or Female), at Cardiff. Salary in accordance with Grade II (Administrative, Professional and Technical) of the National Joint Council's scale of salary, £420 per annum, rising by annual increments of £15 to a maximum of £465 per annum.

(e) PLANNING ASSISTANTS, in the Area Planning Office at Pontypridd, and Neath. Salary in accordance with Grade II (Administrative, Professional and Technical) of the National Council's scale of salaries, £420 per annum, rising by annual increments of £15 to a maximum of £465 per annum.

(f) PLANNING ASSISTANTS, in the Area Planning Office at Pontypridd, and Neath. Salary in accordance with Grade I (Administrative, Professional and Technical) of the National Council's scale of salaries, £390 per annum, rising by annual increments of £15 to a maximum of £435 per annum.

Applicants for appointment (a) must hold suitable academic or professional qualifications, which must have been obtained by examination, and must have had considerable experience in the preparation of detailed Development Plans.

Applicants for appointment (b) must hold suitable academic or professional qualifications, which must have been obtained by examination, and must have had considerable experience in general Municipal Engineering.

Applicants for appointment (c) must hold suitable academic or professional qualifications, which must have been obtained by examination, and must have had considerable experience of Control of Development.

Applicants for appointment (d) must be University Graduates with, preferably, an honours Degree in Geography.

Applicants for appointments (e) and (f) must have passed the Intermediate examination of a suitable professional body or be a University Graduate in Engineering, Estate Management or Architecture.

All the appointments will be subject to the National Scheme of Conditions of Service, the staffing regulations of the County Council from time to time in force, and the provisions of the Local Government Superannuation Act, 1937. The appointments will be subject to one calendar month's notice on either side. The successful candidates will be required to pass a medical examination. Applicants must not be over 45 years of age, but this condition may be relaxed in the case of a person already in the service of the County Council, or a specially suitable candidate employed by another local authority.

In the case of ex-service applicants, the age limit will be raised by the number of years served in H.M. Forces during the recent war.

Full particulars of the appointments may be obtained from the County Planning Officer, Mr. E. John Powell, M.Inst.C.E., County Hall, Cardiff, to whom applications should be addressed as soon as possible, stating age, qualifications, experience, and present salary, accompanied by a copy of a recent testimonial, and the names and addresses of two referees. Envelopes should be endorsed "County Planning Appointments."

A. CLIFFORD WALTER,

Clerk of the County Council.

Glamorgan County Hall, Cardiff.

24th May, 1948.

974



# LEICESTER COLLEGE OF ART. SCHOOLS OF ARCHITECTURE AND BUILDING.

Applications are invited for the following full-time teaching appointments:—  
**SENIOR ASSISTANT LECTURER IN ARCHITECTURE.**

Applicants should possess a Degree or Diploma of a recognized School, and will be required to undertake lectures and supervision of the Five Year Diploma Course. Salary £700×£25-£800.  
**SENIOR ASSISTANT TEACHER OF QUANTITY SURVEYING AND ESTIMATING.**

Ability to teach Builders' Quantities, Costing, and Estimating up to Final A and B City and Guilds stages is essential. Candidates should state subsidiary subjects in which they have had teaching experience or are qualified to teach. Salary £700×£25-£800, with allowances for industrial experience.

## TWO LECTURERS IN ARCHITECTURE.

Applicants should be qualified Architects, and will be concerned with lectures and studio work for the first three years of the course. Salary £300-£555.

## LECTURER IN BUILDING SCIENCE.

Applicants should be qualified as Architect, Builder, Engineer or Scientist, and will be required to lecture, with laboratory demonstrations, to Architects and Builders. Salary £300-£555.

## LECTURER IN BUILDING SCIENCE AND CRAFT SCIENCE.

Applicants will be required to teach Building Science (National Certificate Course) and Craft Science (Brickwork, Carpentry and Joinery and Plastering Trade Courses). Salary £300-£555.

## LECTURER IN BRICKWORK.

Applicants will be required to teach Brickwork (Trade Course to Final City and Guilds stage, including Associated Subjects) and Brickwork and Drainage and Materials (General Building Course to L.I.O.B. stage). Salary £300-£555.

Salaries in accordance with the Burnham Technical Scale, which allows for payment of increments in respect of training, teaching and/or professional or industrial experience.

Applications (no forms), giving full particulars of training, qualifications, industrial, professional and teaching experience, with copies of recent testimonials, should be forwarded to the Registrar, College of Art, The Newark, Leicester, not later than 30th June, 1948.

ELFED THOMAS,

Director of Education.

971

# NOTTINGHAMSHIRE COUNTY COUNCIL.

## COUNTY PLANNING DEPARTMENT.

### APPOINTMENT OF PLANNING ASSISTANTS.

Applications are invited to fill the following vacancies, namely:—

(a) **THREE SENIOR PLANNING ASSISTANTS.** Salary £595-£660 per annum.

(b) **SIX PLANNING ASSISTANTS.** Salary £520-£570 per annum.

(c) **TWO PLANNING ASSISTANTS.** Salary £450-£495 per annum.

Applicants for the various positions must possess the following qualifications and experience, namely:—

For appointment under (a) above: Engineering, Architectural or Surveying qualifications, in addition to Corporate Membership of the Town Planning Institute.

Under (b) above: Corporate membership under the Town Planning Institute.

Under (c) above: Training in Town and Country Planning, and have taken the Intermediate examination of one of the recognized professional institutions.

Further details and conditions of appointment may be obtained from my Office, and completed applications should be received by me not later than 26th June, 1948.

K. TWEEDALE MEABY,

Clerk of the County Council.

Shire Hall, Nottingham. 965

# BOROUGH OF SLOUGH.

## BOROUGH ARCHITECT'S DEPARTMENT.

### APPOINTMENT OF GENERAL ASSISTANT ARCHITECT.

Applications are invited for the permanent appointment of General Assistant Architect, on Grade A.P.T., IV, of the National Scales (£480-£525, Consolidated).

Candidates should be Registered Architects and have had previous experience with a local authority.

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

Applications must give details of experience in housing, municipal building design and general building construction, and state age, qualifications, technical training, present and previous appointments with dates. Canvassing, either directly or indirectly, will disqualify, and candidates must disclose in their applications whether, to their knowledge, they are related to any member or senior officer of the Council.

Applications, giving the names of two Architects to whom reference can be made, must be received by the undersigned, in sealed envelopes, endorsed "General Assistant Architect," not later than Monday, 14th June, 1948.

NORMAN T. BERRY,

Town Clerk.

Town Hall, Slough. 983

# TARVIN RURAL DISTRICT COUNCIL.

## ASSISTANT CLERK OF WORKS & HOUSING MAINTENANCE SUPERINTENDENT.

The Council invite applications from suitably qualified persons for the above appointment, on the Temporary Staff, for the supervision of Housing Scheme Contracts and the maintenance of existing Council houses, including the control of work by direct labour.

Applicants should have a practical knowledge of all branches of the building trade and have experience in the supervision and inspection of building works. Preference will be given to persons qualified by examination.

The salary and conditions will be in accordance with Grade II of the Miscellaneous Division of the National Scale, and a travelling allowance, at present at the rate of £125 per annum, will be made.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, endorsed "Assistant Clerk of Works and Housing Maintenance Superintendent," must be delivered not later than Wednesday, the 16th June, 1948, to Mr. Thomas Pritchard, M.I.Mun.E., Surveyor to the Council, at this address.

(Sgd.) J. H. MOORE DUTTON,

Clerk to the Council.

Westminster Buildings, Newgate Street, 998

27th May, 1948.

# COUNTY BOROUGH OF IPSWICH.

## APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the post of Quantity Surveyor, in the Borough Engineer's Department, at a salary in accordance with Grade A.P.T., VI, of the National Scales (£595 to £660 per annum, inclusive).

Candidates should be qualified, thoroughly experienced, and capable of writing specifications, preparing detailed estimates, taking off quantities, preparation of interim certificates, and preparation and settlement of final accounts. Preference will be given to those who are Associates of the Royal Institution of Chartered Surveyors (Quantities Division).

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination.

There is no form of application, but candidates must state age, experience, and any other relevant details.

Copies of not more than three recent testimonials must be supplied.

Applications must be received by the Borough Engineer, Town Hall, Ipswich, not later than Monday, 14th June, 1948.

Canvassing will disqualify. If the applicant is to his knowledge related to any member or any senior officer of the Council he must disclose that fact in writing when submitting his application.

J. G. BARR,

Town Clerk.

Town Hall, Ipswich. 999

26th May, 1948.

# SURREY COUNTY COUNCIL.

## COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment:—

**ASSISTANT ARCHITECT, Grade VI.**

Commencing salary £595, rising by annual increments of £20/£25 to a maximum of £660, plus London allowance of £30.

Applicants must be Associate Members of the Royal Institute of British Architects, and should have had a good training and an adequate experience in the design and construction of modern buildings.

It is desirable that applications should be accompanied by a small example of the applicant's work.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 19th June, 1948.

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

The Council will be unable to provide any housing accommodation, and the successful candidate will be expected to make his own arrangements in this direction.

DUDDLEY AUKLAND,

Clerk of the Council.

County Hall, Kingston-upon-Thames. 994

# NATAL UNIVERSITY COLLEGE.

## PROFESSOR OF ARCHITECTURE.

The Council of the Natal University College (which will in March, 1949, become the University of Natal) invites applications for the newly established CHAIR OF ARCHITECTURE. The salary scale is £850-£930-£1,180×£20-£1,200, plus a cost-of-living allowance amounting to at present £140 per annum for a married man or to £40 per annum for a single man. Previous experience will be taken into account in fixing the starting salary. Membership of the University Provident Fund is compulsory. The appointment will be in the first place for a probationary period of two years. Further particulars and information as to the method of application may be obtained from the Secretary, Universities Bureau of the British Empire, 8, Park Street, London, W.1. The closing date for the receipt of applications is 31st July, 1002

# WESTMORLAND COUNTY COUNCIL.

## COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointments:—

(a) **CHIEF ASSISTANT PLANNING OFFICER, Grade VI.** Salary £595-£660. Applicants should be properly qualified, fully conversant with the Planning Acts, Orders and Circulars, etc., and have had experience in the preparation of schemes and control of interim development.

(b) **ASSISTANT PLANNING OFFICER, Grade III.** Salary £450-£495. Applicants must have had some planning experience, preferably including the gathering of information for basic surveys.

Keeness and an intelligent approach to the planning problems of an area with high amenity value are essential for both appointments.

The appointments will be subject to the terms and conditions of service of the National Joint Council, the Local Government Superannuation Act, 1937, and to one month's notice on either side. Successful candidates must pass a medical examination.

Applications, giving particulars of age, education, technical training, qualifications, present and previous appointments, and full details of experience, should be accompanied by one recent testimonial and the names of two other people to whom reference can be made. They should be sent to R. H. CROMPTON, A.R.I.B.A., A.M.T.P.I., County Planning Officer, County Hall, Kendal, to reach him not later than 18th June, 1948.

H. B. GREENWOOD,

Clerk of the County Council.

County Hall, Kendal. 1001

27th May, 1948.

# LONDON COUNTY COUNCIL.

Required at Brixton School of Building, Ferndale Road, S.W.4, to commence in September, 1948, Full-time LECTURERS in the following subjects:—(a) Building (2 posts); applicants should hold a Higher National Certificate or Diploma in Building or equivalent qualification.

Competence to teach builders' quantities, estimating and other administrative subjects a recommendation for one post. (b) Architecture (2 posts); applicants should be Fellows or Associates of the R.I.B.A.; a diploma of a recognized school of architecture a recommendation.

Candidates for all posts should have had teaching and industrial or professional experience. Burnham (London) scale salary, with allowances for approved qualifications and initial increments for approved experience. Application forms (stamped addressed foolscap envelope necessary) from the Principal at the school, returnable by 30th June, 1948. (1316) 976

# CORPORATION OF LONDON.

## CITY SURVEYOR'S OFFICE.

### ASSISTANT ARCHITECTS AND SURVEYORS.

Applications are invited for the following appointments, in the City Surveyor's Office:—  
**ASSISTANT ARCHITECTS AND SURVEYORS.** Salary up to £475 p.a. (inclusive of consolidated bonus), according to age, qualification and experience.

Applicants, aged 21 to 30 years, should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects or Associate Membership of the Royal Institution of Chartered Surveyors (Building Sub-division).

The appointments are for the present on a temporary basis, and will be concerned principally with the reinstatement of war damage to a variety of types of properties. In the event of establishment to the permanent staff temporary service will count for the purposes of superannuation. Such appointments will be subject to the provisions of Local Government Superannuation, and applicants will be required to pass a medical examination.

Previous experience with a Municipal Body is not essential. Applications, endorsed "Technical Staff," to be made to George Holliday, F.R.I.C.S., City Surveyor, 55-51, Moorgate, E.C.2, giving the following particulars:—Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials. 992

# SOUTH-WEST METROPOLITAN REGIONAL HOSPITAL BOARD-ARCHITECT.

Applications are invited from Fellows or Associates of the Royal Institute of British Architects for appointment as Architect to the Board. The person appointed will be required to advise the Board on architectural matters relating to hospitals to be administered by the Board and to carry out such related professional administrative and executive duties as may be required. Applicants should have had considerable experience of architectural practice, especially in relation to hospital work. Salary £1,350-£250-£1,550, plus £50 London allowance. The appointment is subject to the National Health Service (Superannuation) Regulations, 1947, and is terminable by three months' notice on either side. Applications should include a brief statement of the candidate's age, qualifications and experience, together with the names of three referees, should be endorsed "Architect," and delivered to the undersigned not later than 30th June, 1948.

E. G. BRAITHWAITE, Secretary to the South-West Metropolitan Regional Hospital Board, 11A, Portland Place London, W.1. 995

**COUNTY BOROUGH OF DERBY.**  
**BOROUGH ARCHITECT'S DEPARTMENT.**  
 Applications are invited for the following appointment on the permanent staff in accordance with the National Scale of Salaries:—  
**ONE CHIEF ASSISTANT ARCHITECT** (Town Planning and Architectural work), Grade VIII, A.P. & T. Division. Salary £685-£760 (Consolidated).

Applicants should be A.R.I.B.A., and preferably A.M.T.P.I., with experience in Town Planning. The appointment will be subject to one month's notice in writing on either side, and to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Form of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copies of three testimonials, to arrive not later than Tuesday, 22nd June, 1948.

Canvassing, directly or indirectly, will be a disqualification.

C. ASHTON,  
 Town Clerk.

Market Place, Derby. 969

**BOROUGH OF WIDNES.**  
**APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, in the Borough Architect's Department, at a salary on A.P.T. Grade III, IV, or V of the National Scales of Salaries. The salary grade will be determined by the qualifications of the candidate, viz., Associate R.I.B.A. on Grade V (£520-£570), Student R.I.B.A. or Registered Architect on Grade IV (£480-£525), otherwise on Grade III (£450-£495), all salaries consolidated.

The successful candidate will be engaged on the layout, design and supervision of housing schemes on modern lines, including a Neighbourhood Unit Project, schools, or other interesting general municipal works. Previous experience in this type of work is essential.

The appointment will be subject to the provisions of the Local Government Officers' Superannuation Act, 1937, and to the candidate passing a medical examination.

Housing accommodation will be made available if required.

Applications, stating age, education, technical training, qualifications, present and previous posts (with dates), and details of experience, together with one recent testimonial and the names of two referees, should be sent to F. Mellor, F.R.I.B.A., Borough Architect, Brendon House, Widnes Road, Widnes, not later than Saturday, 19th June, 1948.

Canvassing, directly or indirectly, will be a disqualification.

JAMES WALLACE,  
 Town Clerk.

Town Hall, Widnes. 981

**FIFE COUNTY COUNCIL.**  
**PLANNING DEPARTMENT.**  
**PLANNING ASSISTANTS required.** Salary £450, by increments of £20 to £530, plus war increase, at present £60 per annum. Preference will be given to candidates possessing any of the following qualifications:—

University Degree in Civil Engineering or Architecture.  
 A.M.I.C.E.  
 A.M.I.Mun.E.  
 P.A.S.I.  
 A.R.I.B.A.  
 A.M.T.P.I.

The appointments are on the permanent staff of the Council, and will be subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937. Applications, with copies of recent testimonials, stating age and experience, should be lodged with the undersigned not later than 16th June, 1948. Canvassing will be a disqualification.

J. M. MITCHELL,  
 County Clerk.

County Buildings, Cupar-Fife. 924  
 18th May, 1948.

**WEST SUSSEX COUNTY COUNCIL.**  
**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments, at salaries in accordance with the Consolidated National Scales:—

(a) ASSISTANT ELECTRICAL ENGINEER—DESIGNER—DRAUGHTSMAN. A.P.T. V (£520-£570). Preference will be given to persons holding suitable qualifications, and experience as a heating engineer will be an advantage, but is not essential.

(b) ASSISTANT MAINTENANCE SURVEYOR. A.P.T. IV (£480-£525). Preference will be given to applicants who have passed the whole or part of examinations (Building Sub-division) of the Royal Institution of Chartered Surveyors.

Further particulars should be obtained from F. R. Steele, F.R.I.B.A., F.R.I.C.S., M.T.P.I., County Architect, County Hall, Chichester, to whom detailed applications must be submitted not later than the 18th June, 1948.

T. C. HAYWARD,  
 Clerk of the County Council.

County Hall, Chichester. 961  
 15th May, 1948.

**LANCASHIRE COUNTY COUNCIL.**  
**COUNTY PLANNING DEPARTMENT.**

Applications are invited for permanent appointments to the Headquarters Staff of the County Planning Department, Preston, at A.P.T., Grades I to VII inclusive, the appointments to be at the consolidated salaries of the National Joint Council's Scheme of Conditions of Service. Applicants will be considered for appointments according to their experience and qualifications, but they may indicate grades for which they do not wish to be considered.

Previous planning experience is not essential, but candidates should have been trained in the office of an Engineer, Architect or Surveyor, and possess experience and qualifications in their particular profession to a standard suitable to the grade for which they apply.

Preference will be given to candidates for the higher grades who have a good general experience in the preparation of Town and Country Planning Schemes and the administration of relevant Acts and Orders. They should preferably possess one or more of the following qualifications: a University Degree in Civil Engineering or Architecture, A.M.T.P.I., A.M.I.C.E., A.R.I.B.A., A.M.I.Mun.E., P.A.S.I.

The appointments will be subject to the National Joint Council's Scheme of Conditions of Service and to the Local Government Superannuation Act, 1937. Testimonials are not required, but applicants should give the names of two persons to whom reference may be made.

Applications, stating age, qualifications, experience and present salary, should be received by the undersigned not later than Saturday, 19th June.

R. H. ADCOCK,  
 Clerk of the County Council.

County Offices, Preston. 985

**BUCKS COUNTY COUNCIL.**

Applications are invited for the appointment of DEPUTY COUNTY ARCHITECT, at a salary on the scale £910×£925-£1,060 p.a., the commencing salary being fixed according to qualifications and experience.

Candidates must have had professional and administrative experience in the local or central government service. They must be Members of the R.I.B.A., and preferably hold a University Degree, or equivalent, in Architecture.

Travelling and subsistence allowances will be paid on the County Council's scale for the time being in force.

The appointment is superannuable and subject to medical examination.

Further particulars and form of application may be obtained from the County Architect, County Offices, Aylesbury, to whom applications must be delivered by 14th June, 1948.

GUY R. CROUCH,  
 Clerk of the County Council.

County Hall, Aylesbury. 960  
 May, 1948.

**METROPOLITAN BOROUGH OF HACKNEY.**  
**BOROUGH SURVEYOR'S DEPARTMENT.**

**APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, on the permanent establishment, at a salary in accordance with Grades IV-V, A.P. & T. Division (£480 p.a., rising to £570 p.a.) of, and subject to, the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, plus London weighting allowance. The commencing salary will be determined according to the experience of the successful candidate.

Candidates must be fully trained and experienced; preference will be given to those holding recognized professional qualifications and with previous service with a local authority.

Applicants are advised that the Council is unable to provide any housing accommodation for the successful candidate.

The appointment will be subject to the provisions of the Council's Superannuation Acts, to the successful candidate passing a medical examination, to the Council's regulations relating to staff appointments, and to termination by one month's notice on either side.

Applications in writing, on forms to be obtained from the undersigned upon receipt of a stamped addressed envelope, must be received not later than first post on the 26th June, 1948, endorsed "Architectural Assistant—Borough Surveyor's Dept."

DUDDLEY SORRELL,  
 Town Clerk.

Town Hall, Hackney, E.3. 995  
 25th May, 1948.

**THE UNIVERSITY OF SHEFFIELD.**

Applications are invited for the posts of (i) SENIOR LECTURER IN ARCHITECTURE, at a salary scale of £750, rising by £50 every two years to £1,000, and (ii) ASSISTANT LECTURER IN ARCHITECTURE, at a commencing salary between £450 and £500. The commencing salary will in each case be according to qualifications and experience, with superannuation provision under the Federated Superannuation Scheme for Universities, and family allowance.

Applications (four copies) should reach the undersigned (from whom further particulars may be obtained) not later than 10th July, 1948.

A. W. CHAPMAN,  
 Registrar.

997

**BOROUGH OF STOCKTON-ON-TEES.**  
**APPOINTMENT OF DEPUTY BOROUGH ARCHITECT.**

Applications are invited for the appointment of Deputy Borough Architect, at a salary at the maximum of Grade V, A.P.T. Division, etc., £570 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, have had experience in the office of a Municipal Architect, and possess a knowledge of all types of buildings carried out by a local authority, including the design of schools.

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

Consideration will be given, if necessary, to the provision of housing accommodation for the successful applicant.

Applications, endorsed "Deputy Borough Architect," stating age, qualifications, present appointment and salary, and previous experience, accompanied by copy of one recent testimonial, together with the names and addresses of two persons to whom reference may be made, must reach the undersigned not later than Monday, 21st June, 1948.

FRANK HILL,  
 Town Clerk.

Barclays Bank Chambers, Stockton-on-Tees. 918  
 19th May, 1948.

**CUMBERLAND COUNTY COUNCIL.**  
**APPOINTMENT OF DEPUTY COUNTY ARCHITECT.**

Applications are invited for the above appointment, at a salary of £960×£970 to £1,110 per annum. The salary is inclusive of war bonus, and the commencing salary will be fixed in accordance with the qualifications and experience of the successful applicant. Applicants should state age; qualifications (one of which must be membership of the R.I.B.A.); and details of previous experience.

The successful candidate must provide and maintain a motor car. The standard travelling allowance in accordance with the County Council's scale for the time being in force will be paid, and he must be prepared to reside within a reasonable distance of Carlisle.

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

The appointment will be determinable by three months' notice on either side.

Forms of application may be obtained from, and are to be returned to John H. Haughan, F.R.I.B.A., County Architect, 4, Alfred Street, North, Carlisle, not later than the first post on the 28th June, 1948.

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

G. N. C. SWIFT,  
 Clerk of the County Council.

962

**COUNTY BOROUGH OF DONCASTER EDUCATION COMMITTEE.**

**EDUCATION ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of CLERK OF WORKS in the above Department.

The appointment is on a fixed wage of £10 per week, and is in connection with the construction of a Teachers' Training College. The duration of the contract is expected to be two years, after which the Clerk of Works services may be retained in connection with further educational projects. Applicants must have a thorough knowledge of all sections of the building trade, and must state their age, qualifications, present appointment and previous experience.

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

Applications, endorsed "Clerk of Works," and accompanied by copies of not more than three recent testimonials, must be delivered to the undersigned not later than noon Saturday, 19th June, 1948.

V. H. HOSKIN,  
 Chief Education Officer.

Education Office, Wood Street, Doncaster. 959

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

**ASSISTANT ARCHITECT—GRADES IV-V, A.P.T., £480-£570.**

Particulars of the above permanent appointment and forms of application, which must be returned by 14th June, may be obtained from the undersigned.

Candidates should be Registered Architects, have a thorough training in design and construction, and be capable of preparing working drawings and specifications in relation to the architectural work of an authority which in this case includes Schools, Housing and General work.

Commencing salary within the above scales will be determined by age, qualifications and experience.

C. E. VIVIAN ROWE,  
 Town Clerk.

Guildhall, Northampton. 982  
 21st May, 1948.



**COMMONWEALTH OF AUSTRALIA.  
DEPARTMENT OF WORKS AND HOUSING.  
ARCHITECTURAL AND ENGINEERING  
STAFF REQUIRED.**

Qualified Architects, Engineers, and Quantity Surveyors are required for the Commonwealth Public Service in connection with the large programme of Government works being carried out by the above Department. The projects include major defence works, aerodromes and other civil engineering works, public buildings and group housing.

Staff is required for civil, electrical, mechanical and structural engineering, and also architecture and quantity surveying.

**Qualifications:** Applicants should possess a degree or diploma from a University or Technical College, or be Corporate Members of a recognized Institute relative to their profession.

Experience in both design and construction is essential for Architects and Engineers and in the practice of quantity surveying by Quantity Surveyors.

**Age:** Applicants should not be more than 45 years of age.

**Marital Status:** Applicants should state whether married or single. Information also to be given regarding the number and ages of children.

**Conditions of Employment:** Two years' employment guaranteed, subject to satisfactory service.

**Salary:** Salary range up to £576 (Australian), subject to eligibility. Higher salaries are available to applicants suitable for employment in more responsible positions.

**Free and Assisted Passages to Australia:** Members of the above professions whose applications are approved may be eligible to receive free or assisted passages under the provisions of the existing migration agreements, details of which will gladly be supplied on application. Early passages to Australia will be arranged for successful applicants, who will be interviewed by Commonwealth Migration Officers and a senior Technical Officer of the Department of Works and Housing, who is coming to England for that purpose.

Applications, accompanied by full particulars of qualifications, training and experience, are to be forwarded to the Chief Migration Officer, Australia House, Strand, London, W.C.2, within two weeks after the date of this advertisement. Envelopes for this purpose should be endorsed "Application for technical position, Department of Works and Housing." Enquiries for further information should be forwarded to the above address. 991

**CITY OF COVENTRY.**

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

**(a) ONE ASSISTANT ARCHITECT.**

Salary grade A.P.T., V, commencing at £520 per annum, and rising by two annual increments of £15 and one of £20 to £570 per annum.

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

**(b) ONE ASSISTANT ARCHITECT.**

Salary grade A.P.T., III, commencing at £450 per annum, and rising by three annual increments of £15 to £495 per annum.

**(c) ONE SENIOR ASSISTANT QUANTITY SURVEYOR.**

Salary grade A.P.T., Va, commencing at £550 per annum, and rising by three annual increments of £20 to £610 per annum.

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

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

Applications must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Monday, 21st June, 1948.

Canvassing, directly or indirectly, will be a disqualification.

**D. E. E. GIBSON,**

*City Architect.*

1A, Warwick Row, Coventry.

3rd June, 1948.

1000

**LONDON COUNTY COUNCIL.  
VACANCIES FOR TECHNICAL ASSISTANTS  
IN THE ARCHITECTS' DEPARTMENT.**

Applications are invited for positions of Technical Assistant in the Architect's Department. Salary: Section (a), £440-£220-£580 a year; Section (b), 55s. to 167. 6d. a week. Required for the preparation of drawings, specifications, and estimates for works at schools and other buildings.

Successful candidates may be required to contribute to the Council's Superannuation and Provident Fund, and be eligible for permanent appointment and for advancement to higher positions according to merit.

Application forms may be obtained from the Architect to the Council (A), County Hall, Westminster Bridge, London, S.E.1, enclosing stamped addressed foolscap envelope.

Canvassing disqualifies. (1376)

993

**COUNTY BOROUGH OF CROYDON.  
BOROUGH ENGINEER'S DEPARTMENT.  
ARCHITECTS' SECTION.**

Applications are invited for the following appointments:—

**TWO ASSISTANT ARCHITECTS.** Salary, A.P.T., V (£480 by £15 to £530 p.a., plus cost-of-living bonus, at present £54 16s. p.a.). Must have good general experience, including housing and conversion of properties for housing.

**ARCHITECTURAL DRAUGHTSMAN.** Salary, A.P.T., I (£350 by £15 to £395 p.a., plus cost-of-living bonus, at present £59 16s. p.a.). Must be a recognized student in architecture, with a high standard of draughtsmanship.

The appointments are permanent and superannuable, subject to medical examination.

Application forms from the Borough Engineer, Town Hall, Croydon, must be returned to him not later than two weeks after publication.

Canvassing will disqualify.

**E. TABERNER,**

*Town Clerk.*

989

**DUNDEE COLLEGE OF ART SCHOOL OF  
ARCHITECTURE.**

The Governors of the Dundee Institute of Art and Technology invite applications for the position of SENIOR LECTURER AND STUDIO INSTRUCTOR.

Applicants should be members of the R.I.B.A. and should preferably be holders of a degree or diploma of a recognized School of Architecture. Special experience in Constructional Subjects will be an additional qualification.

**Salary scales:** Men, £600 by £25 to £750; Women, £480 by £20 to £600, with placing according to qualifications and experience. These scales are at present under revision, and the person appointed will benefit by any increase which may be decided upon.

Applications should be lodged as soon as possible and should be on the prescribed form, copies of which, with full particulars, may be obtained from the undersigned.

**G. R. HALL,**

*Clerk and Treasurer.*

Bell Street, Dundee.

22nd May, 1948.

966

**DEVON COUNTY COUNCIL.**

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

**(a) SENIOR SURVEY ASSISTANT,** in the Central Office at Exeter.

The person appointed will be engaged on survey and research work in connection with the preparation of the Development Plan. Preference will be given to applicants with previous experience of planning research or a University Degree in Geography or Economics. Salary in accordance with A.P.T., Grade VI, of the National Joint Council Scales, £395×£20/25-£660.

**(b) SENIOR PLANNING ASSISTANT,** in the Northern Divisional Office at Barnstaple.

The person appointed will be required to assist in the preparation and administration of the Development Plan. Applicants should have had considerable experience of planning administration in a large rural area, and preference will be given to those possessing A.M.T.P.I. and/or other recognized qualifications. Salary in accordance with A.P.T., Grade V, of the National Joint Council Scales, £520×£15/£20-£570.

**(c) PLANNING ASSISTANT,** in the Southern Divisional Office at Torquay.

The person appointed will be required to assist in the preparation and administration of the Development Plan. Preference will be given to applicants possessing A.M.T.P.I. or other recognized qualifications. Salary in accordance with A.P.T., Grade IV, of the National Joint Council Scales, £480×£15-£525.

**(d) PLANNING ASSISTANT,** in the Eastern Divisional Office at Exeter.

The person appointed will be required to assist in the preparation and administration of the Development Plan. Salary in accordance with A.P.T., Grade I, of the National Joint Council Scales, £390×£15-£435.

**(e) DRAUGHTSMAN,** in the Central Office at Exeter.

The person appointed must be a neat and expeditious draughtsman, and preference will be given to applicants with previous experience in a Planning Office. Salary in accordance with the General Division of the National Joint Council Scales, according to age (males, £135 at age 16, rising to £385 at age 32).

In the case of appointments (a), (b) and (c), applicants will be required to provide a car, for the use of which allowances will be paid in accordance with the Council's scale.

All appointments will be subject to the National Joint Council's Conditions of Service, to the provisions of the Local Government Superannuation Act, 1937; the passing of a medical examination, and to three months' notice on either side for appointments (a) and (b) and one month's notice on either side for appointments (c), (d) and (e).

Canvassing, directly or indirectly, is prohibited.

Applications, giving full details of training, qualifications and experience, together with the names of three persons to whom reference may be made, must be forwarded to the Director of Planning, New North Road, Exeter, so as to reach him not later than 30th June, 1948.

Preference will be given to disabled persons.

**H. A. DAVIS,**

*Clerk of the Council.*

The Castle, Exeter.

1013

**COUNTY BOROUGH OF TYNEMOUTH.  
BOROUGH SURVEYOR'S DEPARTMENT.  
STAFF VACANCIES.**

Applications are invited for the following appointments:—

**(a) CHIEF PLANNING ASSISTANT.** Grade VII, £635-£710. Applicants must be Associate Members of the Town Planning Institute, should possess in addition a recognized Engineering or Architectural qualification, and should have had some administrative experience. The successful applicant will be in charge of the Planning Section of the Department, under the direction of the Borough Surveyor.

**(b) SENIOR PLANNING ASSISTANT.** Grade V, £550-£570. Applicants must be Associate Members of the T.P. Institute, and should have experience in the carrying out of basic surveys and the re-planning of built-up areas. A recognized Engineering or Architectural qualification will be an advantage.

**(c) TOWN PLANNING ASSISTANT.** Grade IV, £480-£525. Applicants should be Associate Members of the Town Planning Institute, and have had previous experience with a Planning Authority.

**Housing Accommodation:** The Corporation will be prepared to assist in the provision of housing accommodation in cases of difficulty.

Applications on forms to be obtained from the Borough Surveyor, Mr. D. M. O'Herlihy, B.Sc., M.I.C.E., Howard Street, North Shields, together with copies of not more than three recent testimonials, should be addressed to the Borough Surveyor, to arrive not later than 26th June, 1948.

All appointments are subject to the National Scheme of Conditions of Service, the Local Government Superannuation Act, 1937, a medical examination, and one month's notice on either side.

Canvassing, either directly or indirectly, will disqualify, and applicants must state whether or not to their knowledge they are related to any member of the Council or to a holder of any senior office under the Council.

Dated this 28th day of May, 1948.

**FRED G. EGNER,**

*Town Clerk.*

14, Northumberland Square, North Shields. 1015

**COUNTY BOROUGH OF TYNEMOUTH.  
BOROUGH SURVEYOR'S DEPARTMENT.  
STAFF VACANCIES.**

Applications are invited for the following appointments:—

**(a) THREE ARCHITECTURAL ASSISTANTS.** Grade V, £530-£570. Applicants must be Associates of the R.I.B.A. and have had good general architectural experience. Experience in settling Contractors' final accounts will be an advantage.

**(b) JUNIOR ARCHITECTURAL ASSISTANT.** Grade II, £420-£465. Applicants should have passed the Intermediate examination of the R.I.B.A.

**Housing Accommodation:** The Corporation will be prepared to assist in the provision of housing accommodation in cases of difficulty.

Applications on forms to be obtained from the Borough Surveyor, Mr. D. M. O'Herlihy, B.Sc., M.I.C.E., Howard Street, North Shields, together with copies of not more than three recent testimonials, should be addressed to the Borough Surveyor, to arrive not later than 26th June, 1948.

All appointments are subject to the National Scheme of Conditions of Service, the Local Government Superannuation Act, 1937, a medical examination, and one month's notice on either side.

Canvassing, either directly or indirectly, will disqualify, and applicants must state whether or not to their knowledge they are related to any member of the Council or to a holder of any senior office under the Council.

Dated this 28th day of May, 1948.

**FRED G. EGNER,**

*Town Clerk.*

14, Northumberland Square, North Shields. 1014

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

**APPOINTMENT OF TEMPORARY ASSISTANT  
IN BUILDING SURVEYOR'S SECTION.**

Applications are invited for the above temporary appointment, on Grade II of the National Scale of Salaries, £450 by £15 to £495 per annum.

Candidates should have had experience in the construction of buildings, preparation of quantities and specifications, and measurement of work and materials. Experience on the examination of applications for building licences will be an advantage.

The appointment will be subject to satisfactory medical examination, to the National Joint Council's Conditions of Service, to the rules and regulations adopted by the Council from time to time, to the Local Government Superannuation Act, 1937, and to membership of an appropriate Trade Union or Association.

Applications, on forms which may be obtained from Mr. C. Harper, B.Sc., M.Inst.C.E., endorsed "Temporary Assistant (Building)," should reach the undersigned not later than 14th June, 1948.

The Council will be unable to assist the successful candidate in the matter of housing accommodation.

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

**E. R. FARR,**

*Town Clerk.*

Town Hall, Barking.

25th May, 1948.

1010

URBAN DISTRICT COUNCIL OF

BILLERICAY.

ARCHITECTURAL ASSISTANT.

Qualifications: Intermediate R.I.B.A., A.R.I.B.A.  
Salary: A.P.T., Grade III, £450×£15 to £495.  
A.P.T., Grade IV, £480×£15 to £525.  
Application forms to be obtained from the Surveyor, Council Offices, Billericay, should be forwarded to the undersigned not later than the 19th June, 1948.

A. HATT,  
Clerk of the Council.

Council Offices, Billericay, Essex. 1007

WANDSWORTH BOROUGH COUNCIL.  
ARCHITECTURAL ASSISTANT, GRADE

A.P.T., IV.

Applications are invited for the Established appointment of ARCHITECTURAL ASSISTANT, in the Borough Architect's Department, at a salary in accordance with Grade A.P.T., IV, viz., £500-£545 per annum inclusive.

Candidates should have had good professional training and experience in housing design and general architectural work. Preference will be given to candidates who have passed an examination of the Royal Institute of British Architects.

Forms of application may be obtained from Mr. W. H. Beesley, A.R.I.B.A., F.R.I.C.S., Borough Architect, and must be returned to the undersigned not later than 26th June, 1948.

B. H. JERMAN,

Town Clerk.

Municipal Buildings, Wandsworth, S.W.18. 1011  
27th May, 1948.

FIFE COUNTY COUNCIL.

ASSISTANT PLANNING OFFICER (DEVELOPMENT PLAN).

Applications are invited for Assistant Planning Officer (Development Plan). Preference will be given to candidates holding the Associate Membership of the Town Planning Institute, and who have had previous experience in a planning office. Salary: £400×£25 to £630, plus £60 war bonus per annum. A car is desirable, but not essential. Age under 45; medical examination under Superannuation Scheme. Applications, stating age and experience, together with copies of testimonials, should be lodged with the undersigned by 15th June, 1948. No canvassing.

J. M. MITCHELL,

County Clerk.

County Buildings, Cupar-Fife. 1008  
28th May, 1948.

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Architectural Appointments Vacant

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

ASSISTANT required; capable draughtsman, working drawings, details, specifications, schedules and surveys. Apply Clark, 44, Great Russell Street, W.C.1. Phone: MUS. 4400 & 0500. 787

ARCHITECTURAL ASSISTANT required to firm of Building Contractors in Sutton (Surrey) area, for preparation of Joinery details and general work. Write Box 245, c/o George Murray (Advertising), Ltd., 184, Strand, London, W.C.2. 807

STAFF Architect to London Transport company requires ASSISTANT; quick draughtsman, specifications, surveys; industrial experience preferred; salary £500. Box 905.

SENIOR ASSISTANT required in Architect's City office; interesting varied practice, primarily housing, licensed premises and laboratories; applicants to be A.R.I.B.A. by examination, with several years' good pre-war general office and practical experience, preferably in London; able to take responsibility; preference given to ex-Serviceman if otherwise suitable; 5-day working week; salary offered £500-£600, with profit-sharing bonus scheme. Stewart & Hendry, F./A.A.R.I.B.A., A.M.T.P.I., 90, Fenchurch Street, London, E.C.3. 917

ARCHITECTS.—Senior Architectural Assistants required, with experience in Industrial and Commercial Buildings; salary in accordance with qualifications and experience. Applications in writing, giving details of experience, etc., should be sent to Controller of Works and Planning, S.C.W.S., Ltd., 119, Paisley Road, Glasgow, C.6, endorsed "Architect." QUANTITY SURVEYORS.—Senior Quantity Surveying Assistants required, with experience in Industrial and Commercial Buildings; salary in accordance with qualifications and experience. Applications in writing, giving details of experience, etc., should be sent to Controller of Works and Planning, S.C.W.S., Ltd., 119, Paisley Road, Glasgow, C.6, endorsed "Surveyor." 775

ARCHITECTURAL ASSISTANT required; salary, approximately £6 per week. Apply Frederick Gibberd, 35, Gordon Square, W.C.1. 951

ARCHITECTURAL ASSISTANT required; North London office; ability. Box 945.

ARCHITECT to London Brewery requires ASSISTANT for building and land surveys; must be a neat and accurate draughtsman; experience in preparing schedule of dilapidations and knowledge of ordnance maps an advantage. Reply, stating age, training, experience, and salary required, to Box 980.

SENIOR ARCHITECTURAL ASSISTANT, age not exceeding 45, required for general architectural practice. Reply, giving experience and salary required, to Thomas Worthington & Sons, 178, Oxford Road, Manchester, 13. 977

ARCHITECTURAL ASSISTANT required; Mitcham area; capable of detail work. State age, experience, and salary, to Box No. 1622, Mason-Peacock, 184, Strand, W.C.2. 967

ARCHITECTS' SENIOR ASSISTANT wanted for busy Hampshire office; must be able to take charge. Write, giving full details of previous experience, testimonials, and salary expected, to Box 975.

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JUNIOR ASSISTANT required for general practice. Write, giving age, experience, and salary required, to H. W. Sharp, L.R.I.B.A., A.I.A.A., 3, Market Square, Dover, Kent. 1003

ARCHITECTURAL ASSISTANT required; good draughtsman, good sense of design; state full particulars and salary required. Joseph Emberton, F.R.I.B.A., 121, Chiltern Court, N.W.1. 1006

ARCHITECTURAL ASSISTANT required, with at least 5 years' experience; capable of making surveys, preparing working drawings from sketches, and supervising work in progress; salary according to ability and experience. Welch & Lander, 38, Gloucester Place, Portman Square, W.1. 1005

ARCHITECTURAL ASSISTANT required immediately in South-West Midlands practice; preferably qualified. Write Box 987.

EXPERIENCED SENIOR ARCHITECTURAL ASSISTANT required by London Office of large retail organization; capable of working on own initiative, and experienced in preparation of schemes, specifications, and schedules of dilapidation, etc. Reply with full details, salary required, and when free, to Box AJ 646, L.P.E., 110, St. Martin's Lane, W.C.2. 1009

ASSISTANT ARCHITECTS required for varied Industrial and Local Authority Housing work; school training preferred, but not essential; salaries according to qualifications and experience. Apply, with full details, to Anthony Steel & Owen, A./A.R.I.B.A., Astragal House, 199, Anlaby Road, Kingston-upon-Hull. 1016

Architectural Appointments Wanted

CHARTERED ARCHITECT (38), experienced in all classes of work, seeks responsible permanent post in charge of office; South-West or South England; salary required, £700 per annum. Box 108.

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Other Appointments Vacant

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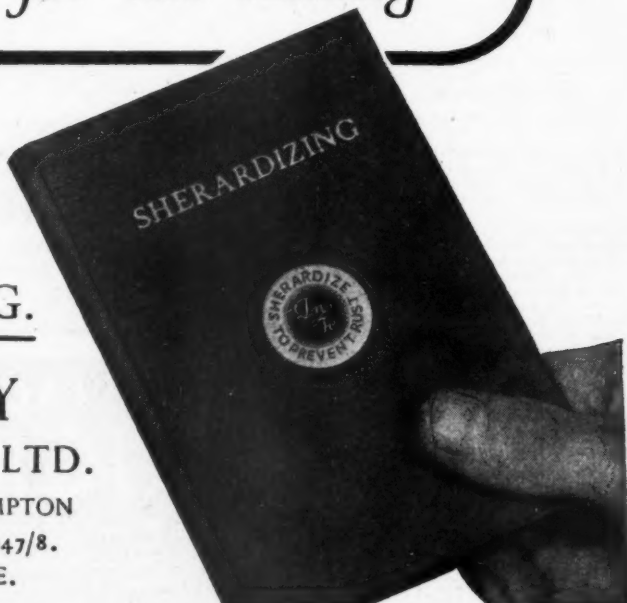
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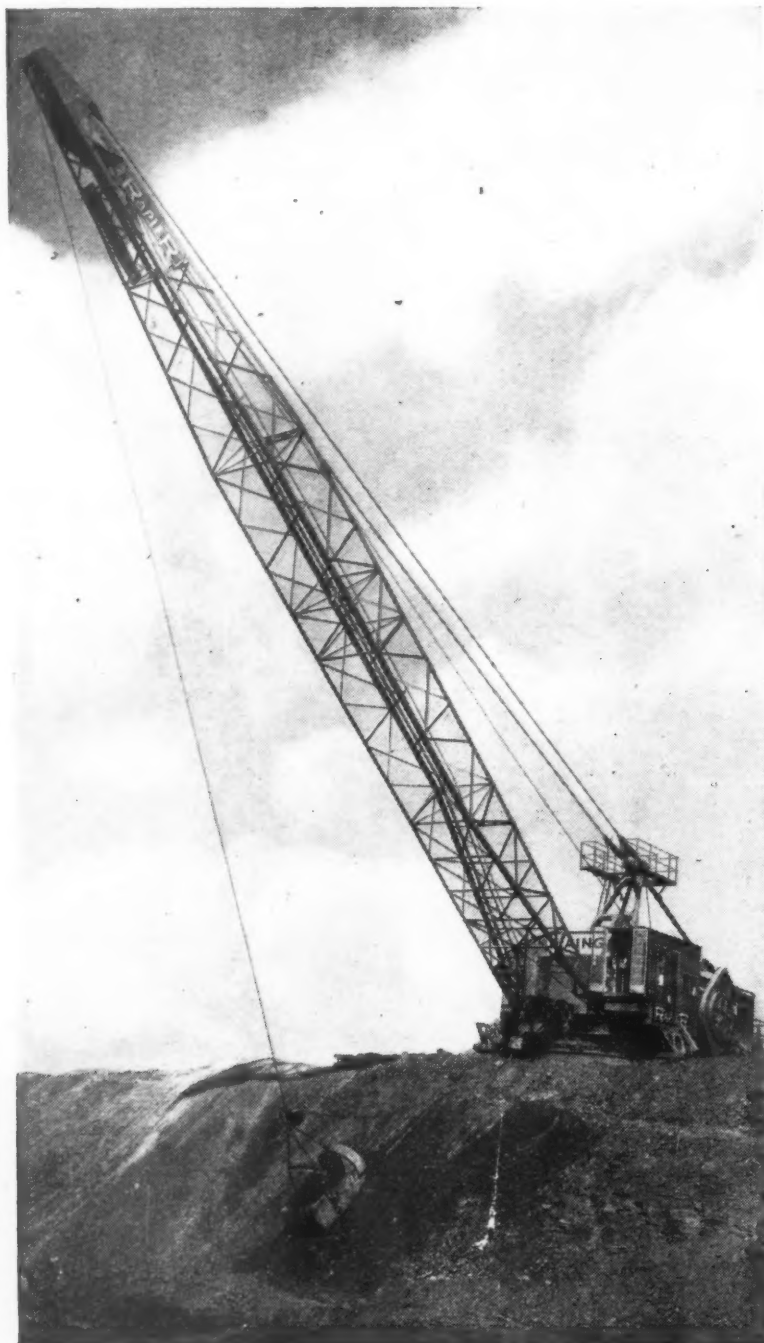
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