

THE ARCHITECTS' JOURNAL

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* A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers, is given below. In all cases where the town is not mentioned the word LONDON is implicit in the address.

AA	Architectural Association. 34/6, Bedford Square, W.C.1.	Museum 0974
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 9, Belgrave Square, S.W.1.	Sloane 0421
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9 Welbeck 9738
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 5721
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Mayfair 2128 Redditch 716
BC	Building Centre. 23, Maddox Street, W.1.	
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	
BDA	British Door Association. 25, Victoria Street, S.W.1.	
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	British Steelwork Association. Egginton House, Buckingham Gate, S.W.1.	Victoria 7301-2-3 Abbey 3333 Sloane 5255
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Whitehall 5322
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 4280
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 5322
CPRE	Chartered Surveyors' Institution. 12, Great George Street, S.W.1.	Whitehall 5322
CSI	Design and Industries Association. 9, Conduit Street, W.1.	Mayfair 5432
DIA	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
DOT	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448 Sloane 2837
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Canonbury 2041
FMB	Federation of Master Builders. 23, Compton Terrace, Upper Street, N.1.	Canonbury 2041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837 Sloane 2844 Whitehall 2881
GG	Georgian Group. 4, Hobart Place, S.W.1.	Sloane 2837
HC	Housing Centre. 13 Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158 Whitehall 4577 Temple Bar 7676 Museum 7197 Abbey 6172
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264 Museum 3767 Park 7678
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3767
MARS	Modern Architectural Research. 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 Reliance 7611
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalt Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 7070
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives. 9, Rugby Chambers, Rugby Street, W.C.1.	Holborn 2770
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
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. 91, Portland Place, W.1.	Whitehall 9936
RIBA	Royal Institute of British Architects. 65, Bedford Square, W.C.1.	Welbeck 5721
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
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313 Tudor 7027
SIÄ	Society of Industrial Artists. 20, Wellfield Avenue, N.10.	Tudor 7027
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCr.	Town and Country Planning Association. 75, King Street, Covent Garden, W.C.2.	Temple Bar 5006 City 6147 Victoria 8815
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6147
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815

standard contents

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

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from AN ARCHITECT'S Commonplace Book

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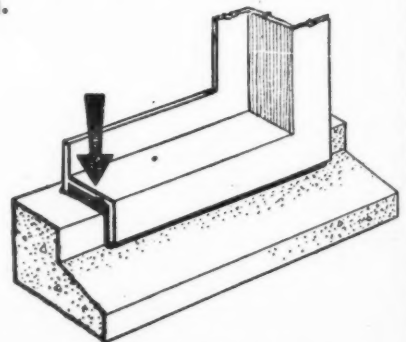
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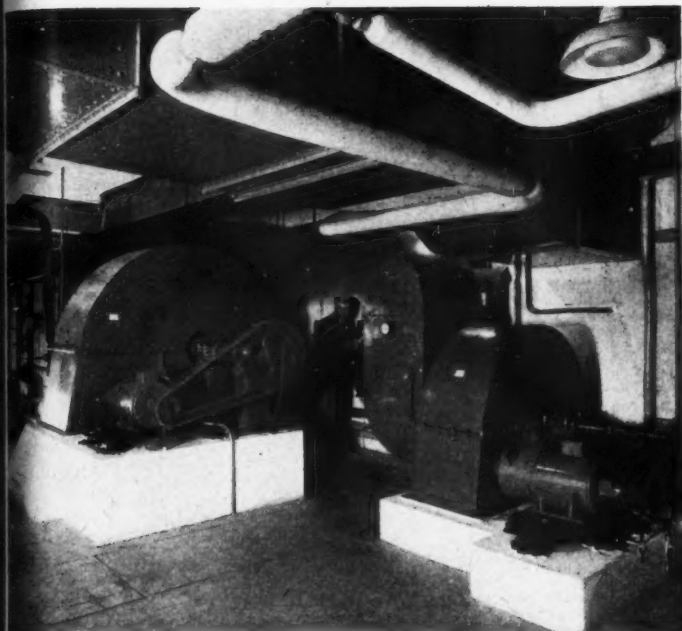
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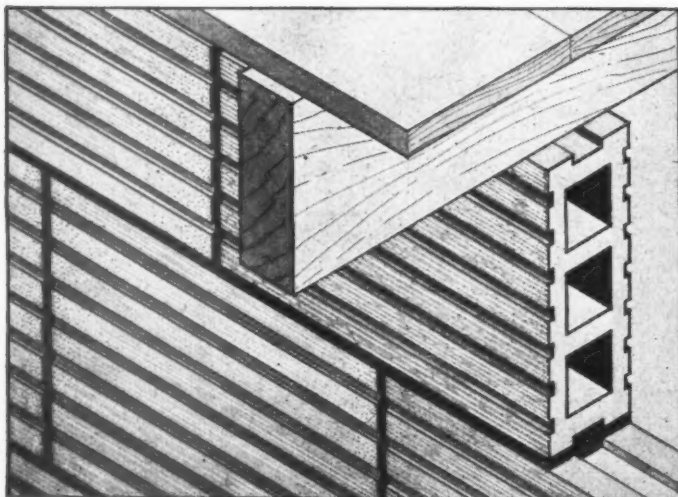
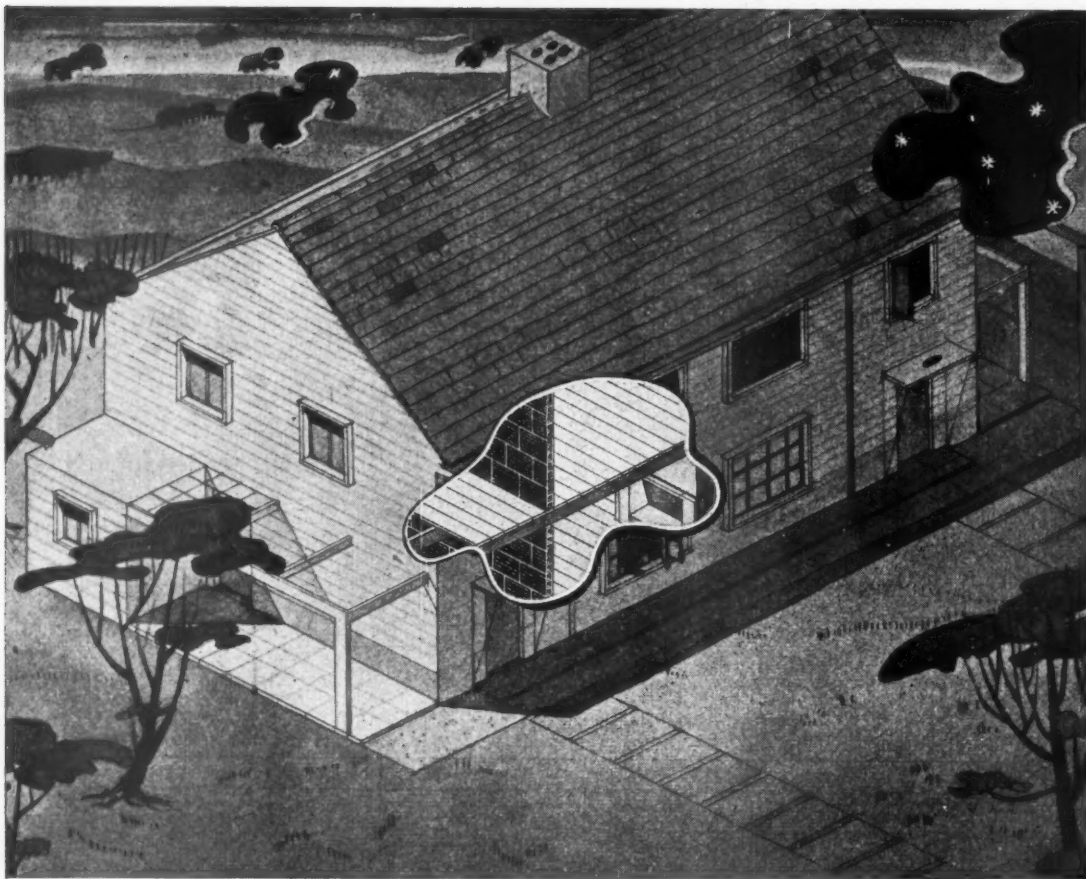
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TEA

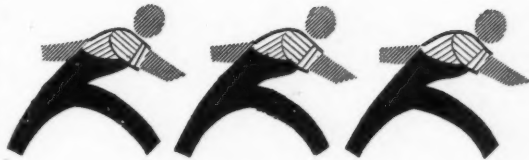
FOR THE
WORKERS



*Is it more
advantageous
to send..*

WORKERS TO THE TEA...

The break from the bench is always acceptable, but how far have they to go? Does the going mean waste of time to you—and, from the worker's angle, a scamper there and hasty gulping of tea to get back to their work in the allotted time? Can all your workpeople leave their work or are they engaged on some job or machine that simply cannot be left? Are your workers to come in batches or all together? If the latter, what accommodation can you provide? Will they sit or stand? What about boilers? Will the crowd overwhelm their capacity?



or TEA TO THE WORKERS?

Let us assume that for some reason the tea must be taken to the workers. Is your factory single-storied, or are there lifts or stairs? What is the nearest or most central and convenient place for the depot? Is there any existing building that can be adapted, or must something new be planned? Are there gangways leading to all workers? If not, are there points to which trolleys can be taken, and at which the workers can assemble? Or will there be some workers so tied to their work that there must be a steward-and-tray service from such trolleys?



IT IS EASY to answer questions such as these. The difficulty lies in coping with the problems raised by the answers. When factories were converted during the war for the production of war material, there were often big changes in the interior layout. There were also many factories where existing tea-services, which had been suitable for peace-time conditions, were inadequate for the increased personnel and the changed nature of the work. It was in these circumstances that the Empire Tea Bureau was often called in to advise, and the wide experience gained should be of great value to managements now considering the installation or adaptation of a tea-service. The benefit of that experience is offered to you freely.

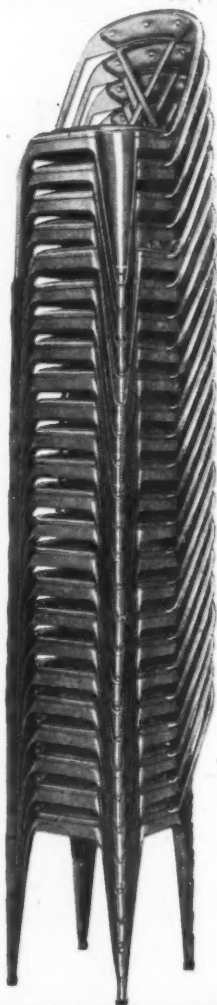
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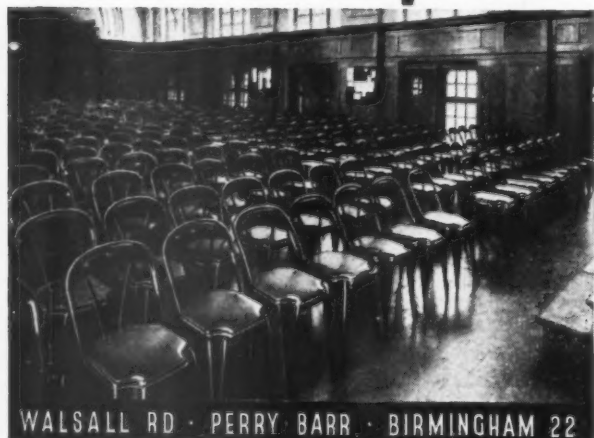


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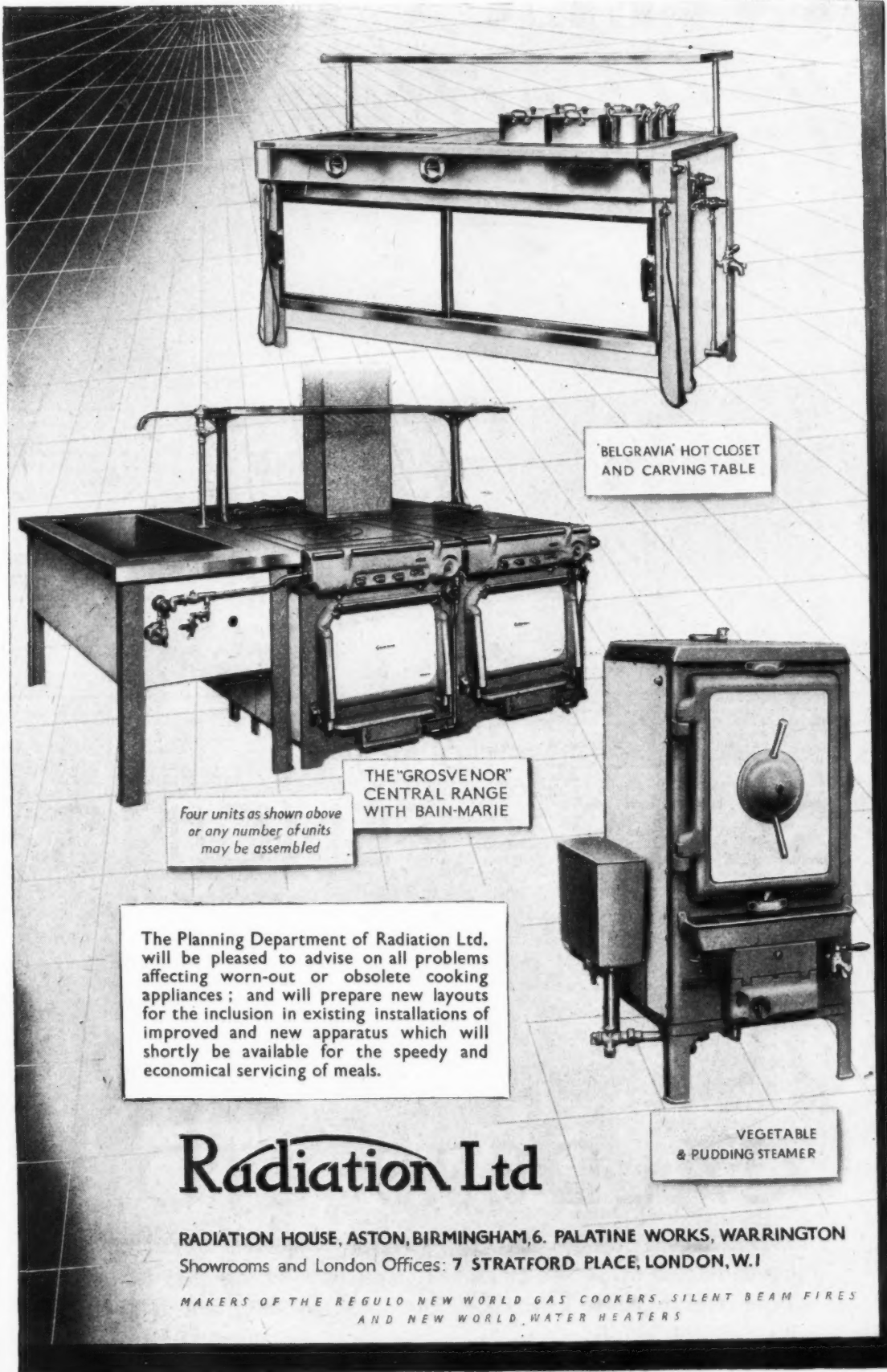
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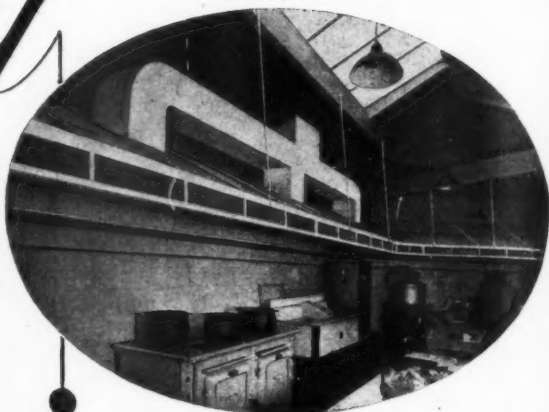
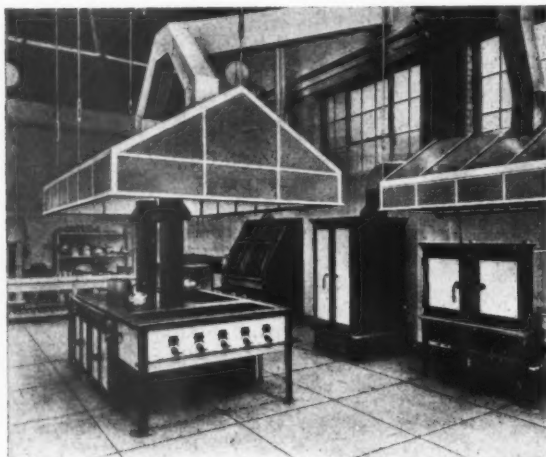
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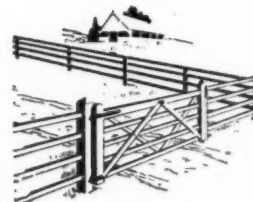
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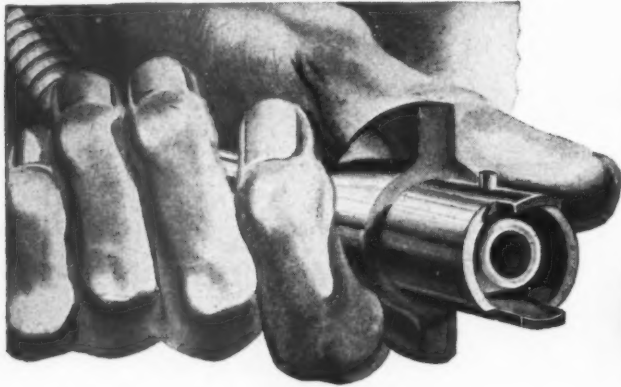
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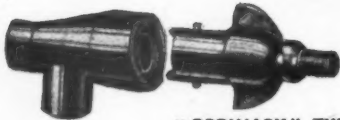


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to GAS...



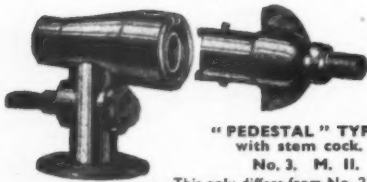
Gas automatically turned on



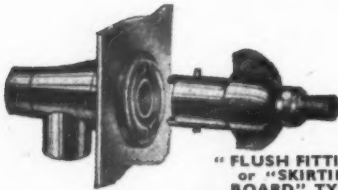
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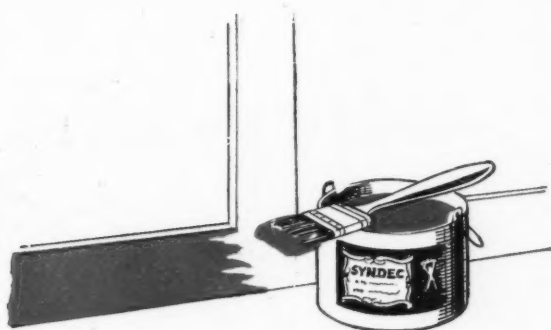
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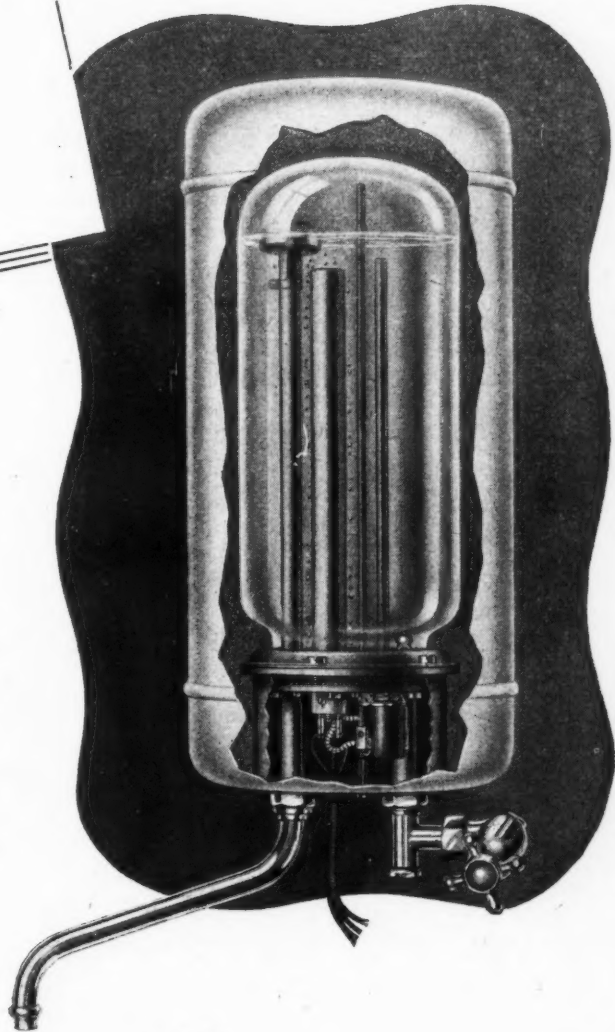
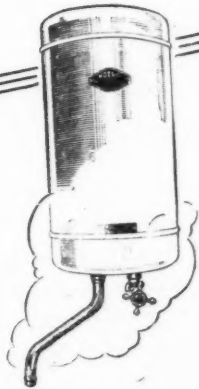
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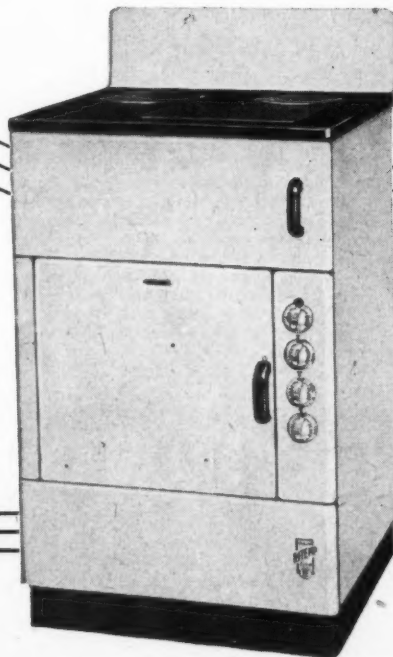
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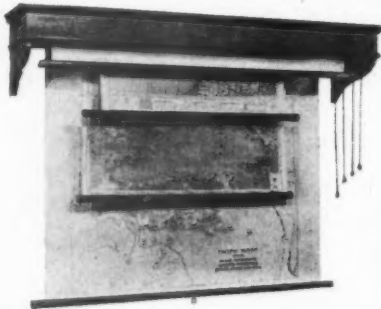


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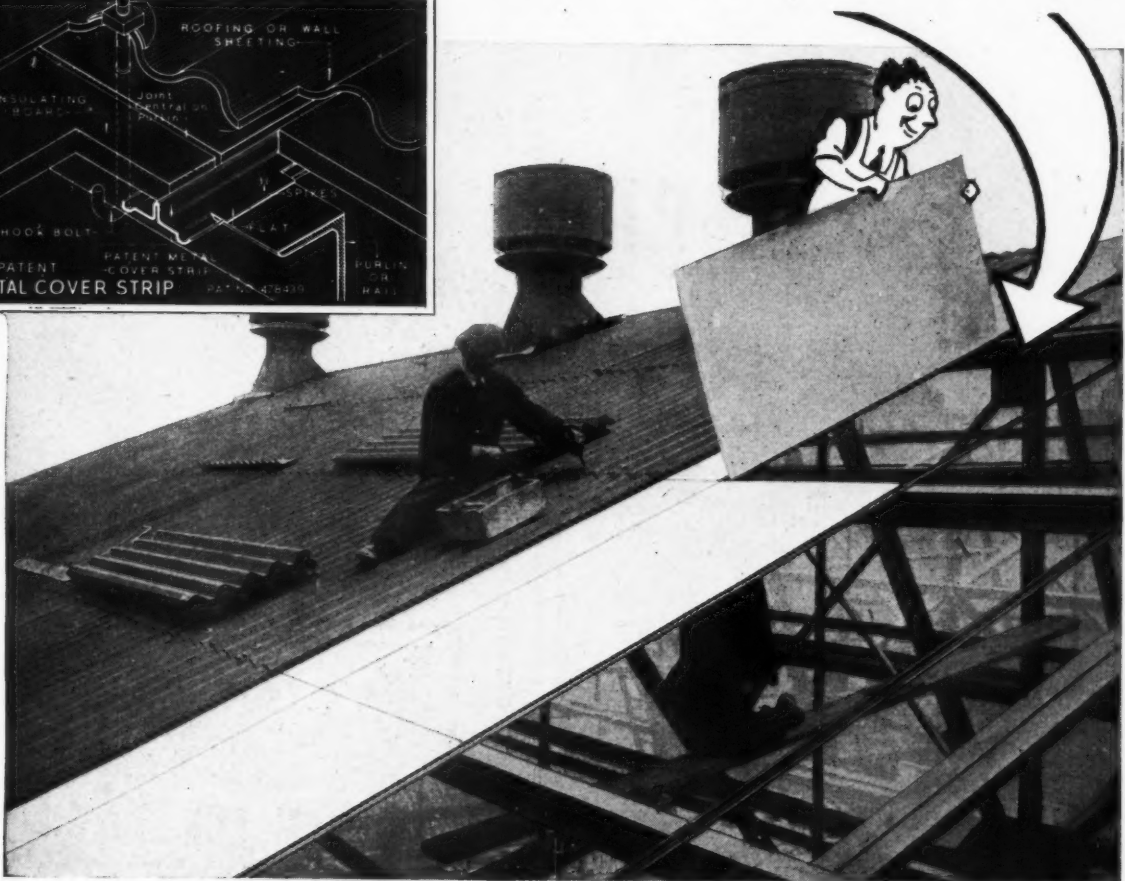
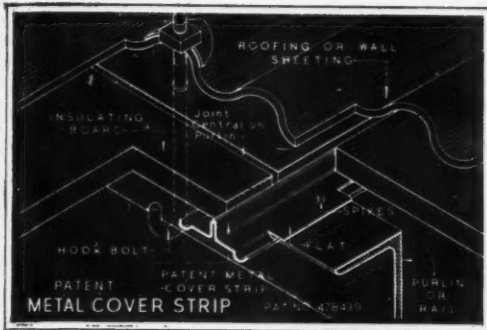
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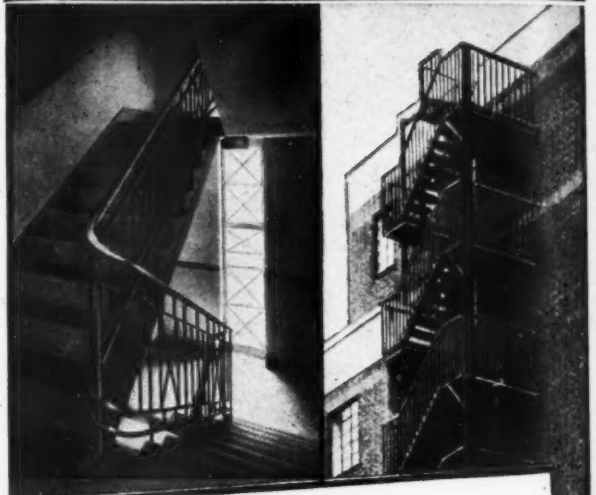
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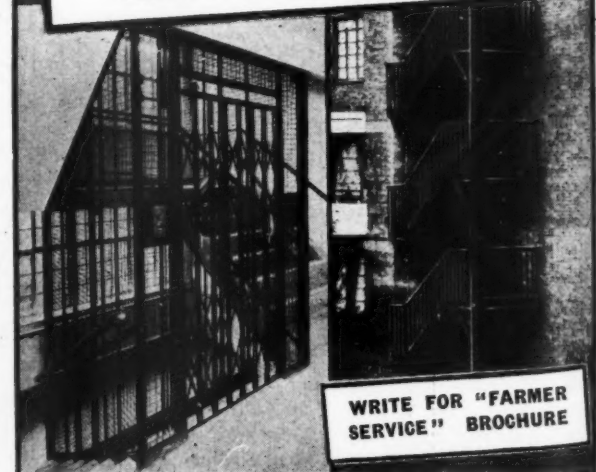
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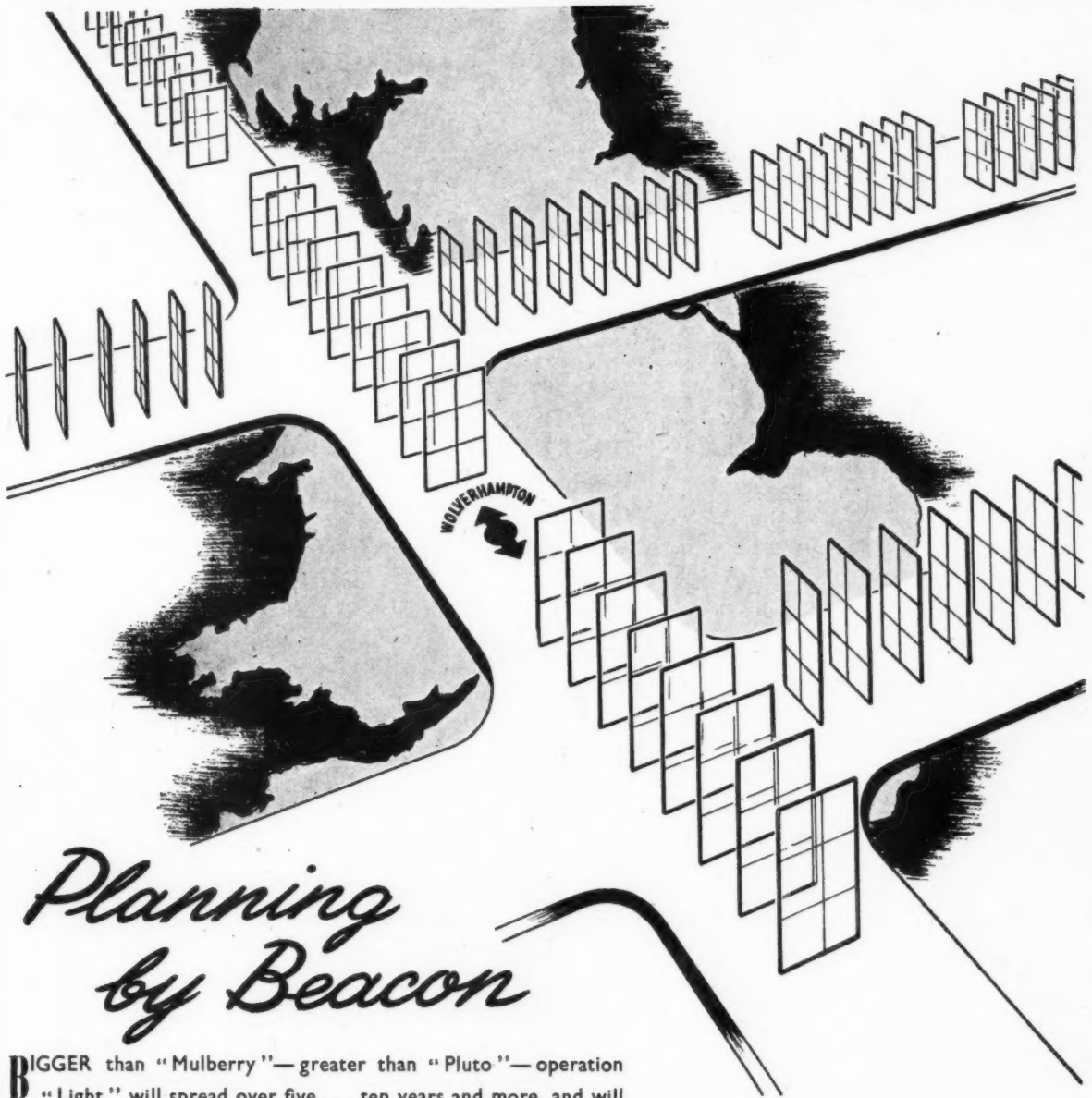
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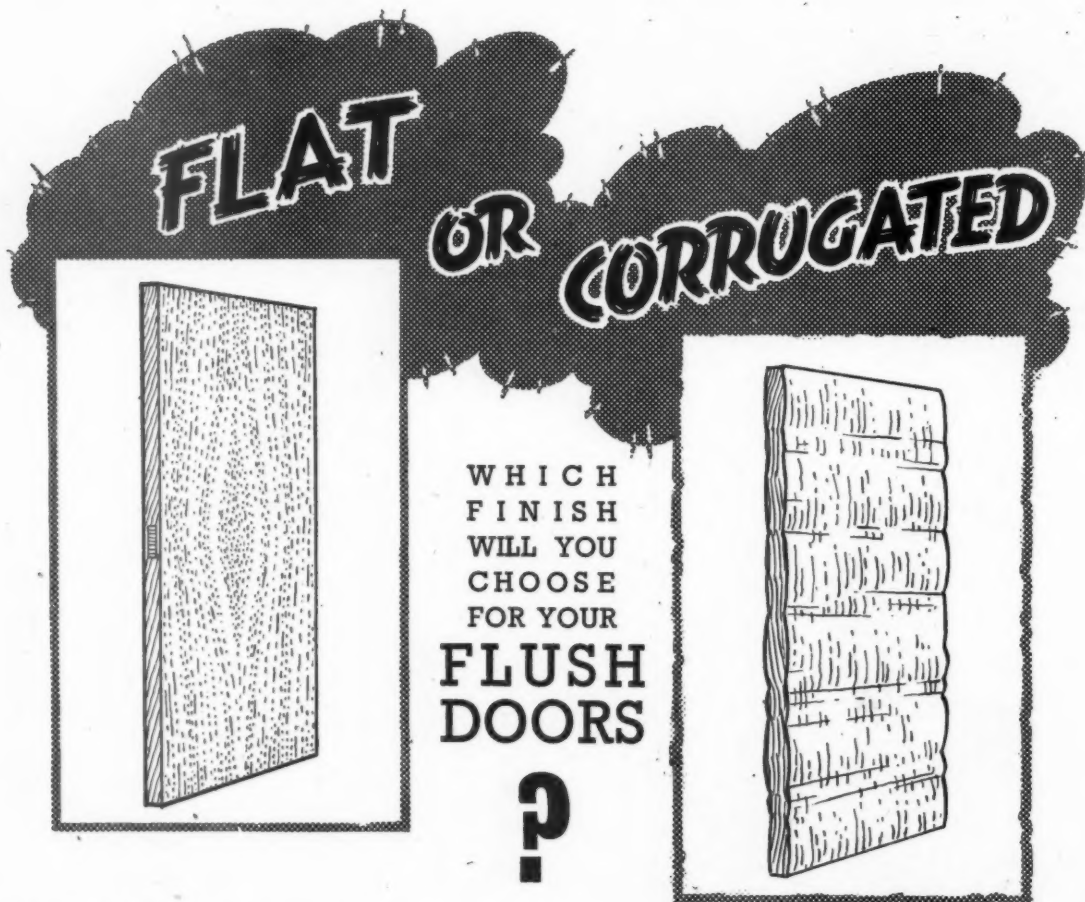


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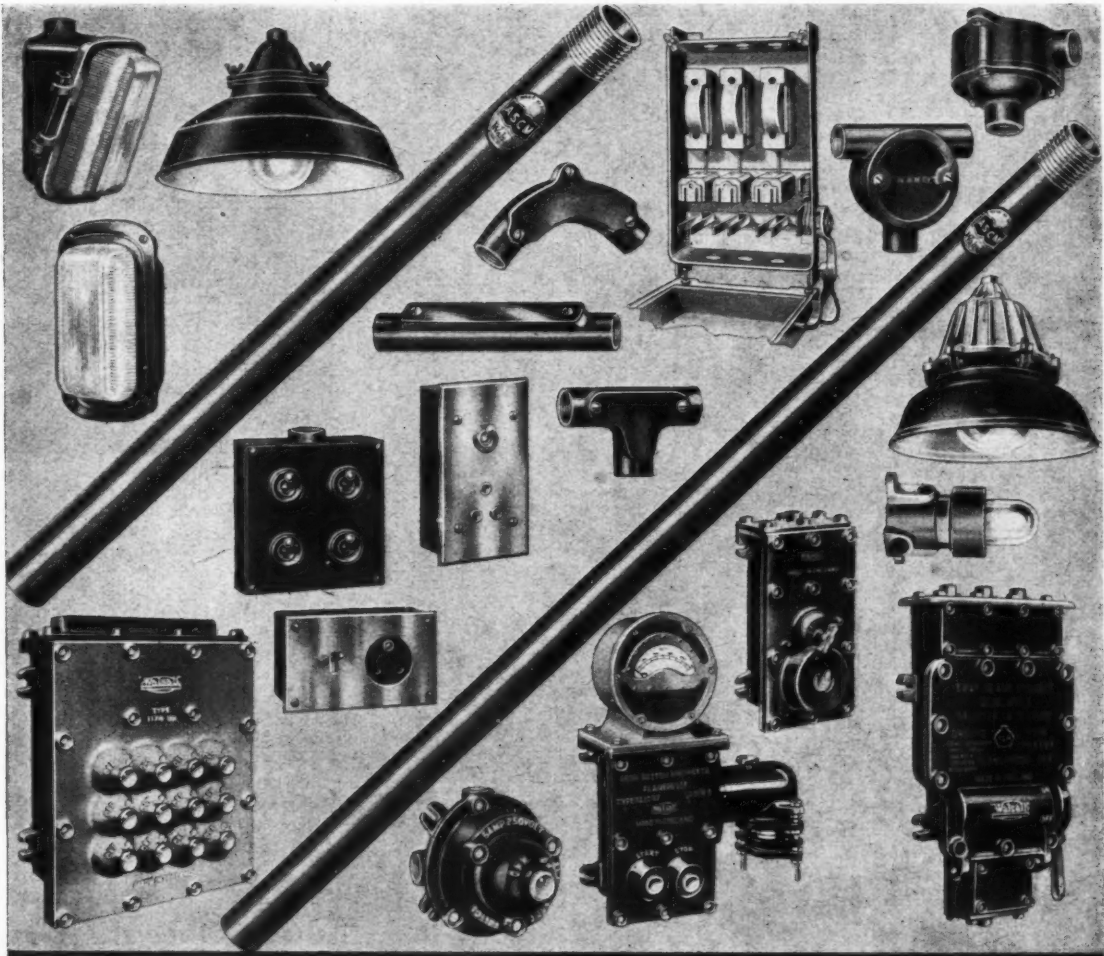
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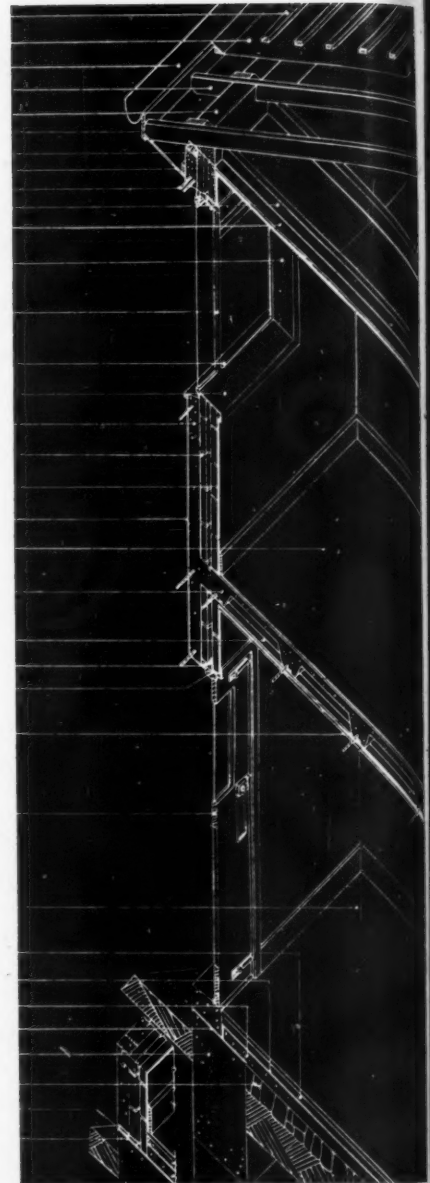
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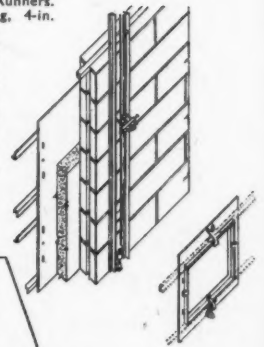
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- Angle iron lintel
- Plaster board and skim ceiling
- External door
- Floor finish
- Light concrete screed
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- Concrete sub-layer
- D.P.C.
- Concrete beam foundation
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Composite illustration of WALL FORMATION shows, from left to right Angle Iron Runners, Steel Shuttering, 4-in. Concrete, Cavity blocks with wood alignment rod in position, Skeleton Standard with adjustable foot and wire tie-rod clamp.



Above is shown Standard WALLFORM secured to Angle Iron Runners by Captive Wedge Clamps.

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NEWS

THURSDAY, June 20, 1946
No. 2682 Vol. 103

News	459
Coventry Starts Level	460
This Week's Leading Article ..	461
Astragal's Notes and Topics ..	462
Letters from Readers	463
Two-Storey Trailer House ..	464
City of Coventry Levelling Stone. Designed by D. E. E. Gibson, City Architect	465
WTA Competition for Holiday Centres	467
Information Centre	474
Societies and Institutions ..	476

Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis. The JOURNAL's starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.

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

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

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

Workmen skilled in handling rare art treasures have begun clearing 90,000 square feet of floor space at the Victoria and Albert Museum in preparation for the Government's BRITAIN CAN MAKE IT Exhibition.

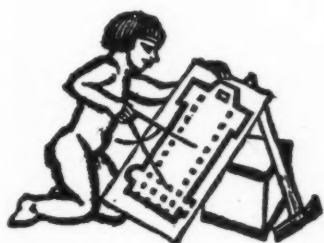
Priceless furniture of different countries and periods, sculpture and tapestries, are being moved and stored to make room for the latest products of British industry. In the place of woodwork and furniture of the 13th and 16th centuries will be modern woodwork, shaped plywood, metal, plastic, and rubber furnishings. Instead of the panelled rooms from the old Bromley-by-Bow Palace and beds of the Stuart period (including one belonging to Nell Gwyn), there will be tone-coloured rooms complete with freshly-produced fittings and fabrics. In addition there will be more than 20 fully-furnished rooms without utility or war-time limitations. These will consist of kitchens, bathrooms, dining and bedrooms, nurseries, and three specimen offices. Many of the new designs will incorporate developments in production technique resulting from war-time discoveries.

★★★

In The King's Birthday Honours Mr. S. J. Tatchell, Chairman of the Standards Committee, Ministry of Works, and of the Architects Registration Council is CREATED A COMMANDER OF THE ORDER OF THE BRITISH EMPIRE.

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

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

LONDON. *Exhibition of Architects' Working Drawings.* At the RIBA, 66, Portland Place, London, W.1. The exhibition includes drawings lent by T. P. Bennett and Son (Two Hutted Camps), Stanley Hall & Easton and Robertson; (School of Anatomy, Cambridge; Caius College, Cambridge; British Pavilion, New York World Fair 1939), Graham Dawbarn (Norman and Dawbarn). (A selection from the following: Permanent Auxiliary Air Force Station, Manchester; Two Aircraft Repair Factories at Gatwick and Loughborough; Civil Airport Buildings, Birmingham). A special Students' Evening will be held at the exhibition on Tuesday, June 25, at 6.30 p.m. All students are cordially invited to attend. It is hoped that the architects (or their representatives) who have lent exhibits will be present in order to explain the drawings to the students. No cards of admission are required. (Sponsor, RIBA.) 10 a.m. to 6 p.m. Saturday 10 a.m. to 5 p.m.

JUNE 20-27

Chemical Research Exhibition. At the Tea Centre, Lower Regent Street, S.W.1. (Sponsor, Imperial Chemical Industries.)

JUNE 20-28

Oriental and European Carpets and Rugs. Exhibition at the Royal Water Colour Society's Galleries, 26, Conduit Street, W.1. (Sponsor, Perez.)

JUNE 20-29

Plan for Knutsford. Exhibition. At the RIBA, 66, Portland Place, W.1. The exhibition has been arranged by the *News Chronicle*. Admission free. Daily from 10 a.m. to 6 p.m., Sundays excepted. (Sponsor, *News-Chronicle*.)

JUNE 20-JULY 5

Building Materials and Components. Exhibition at the Princes Gallery, Piccadilly, W.1. (Sponsors, Ministry of Works and the Ministry of Health in consultation with the other Government Departments concerned.) Monday to Friday, 10 a.m. to 6 p.m. Saturdays, 10 a.m. to 1 p.m.

JUNE 20 for about 5 weeks.

Town and Country Planning Association. River Trip to View the Proposed Development in the Areas under the County of London Plan. By Marchioness from Westminster Pier. Times and full details from the Conference Secretary, 28, King Street, Covent Garden, W.C.2. Officials familiar with the many aspects of the Thames Development will be present. (Sponsor, TCPA.)

JUNE 22

First Post-War Annual Reception of the RIBA. At the RIBA's first post-war annual reception, the President and Lady Thomas will receive guests in the Henry Florence Hall, 66, Portland Place, London, W.1, from 8 p.m. to 9 p.m. At 9 p.m. there will be music by the Charles Ernesco's Quintet in the foyer, and later in the evening a song recital will be given by Miss Rose Hill, soprano, and Mr. Roderick Jones, baritone (by kind permission of the Sadlers Wells Opera Company). Mr. Stanley Mobsby will be at the piano. On view during the reception will be an exhibition of the Knutsford scheme entitled *Your Town*, and an exhibition of library books, prints and drawings will be shown in the Aston Webb room. Refreshments will be served in the Henry Florence Hall and also in the Members' Room. Any member of the Institute wishing to attend the reception who has not already applied for tickets should do so at once. They can be obtained from the Secretary, RIBA, price 7s. 6d. each, and members can each bring one guest. Uniforms or lounge suits will be worn. (Sponsor, RIBA.) 8 p.m. to 9 p.m.

JUNE 28

Gerald Barry. *The Place of the Architect in the Post-War World.* At the RIBA, 66, Portland Place, W.1. Before Mr. Barry reads his paper the results of the election of the Council for the session 1946-7 will be announced. (Sponsor, RIBA.) 6 p.m.

JUNE 25

Presentation of Howard Memorial Medal to Professor Lewis Mumford. At a luncheon at the Connaught Rooms, Great Queen Street, W.C.1. (Sponsor, TCPA.) Luncheon 17s. 6d. 12.30 p.m. for 1 p.m.

JUNE 27

Lewis Mumford. Amongst Lewis Mumford's many engagements when he visits England during June and July will be a lecture at the RIBA, 66, Portland Place, W.1, entitled *A World City for the United Nations*. The lecture has been arranged by the RIBA in collaboration with the Institute of Sociology. 6 p.m.

JULY 12

MANCHESTER. *Art on the March.* An exhibition of drawings and paintings by students of the Manchester Municipal School of Art while serving in H.M. Forces, 1939-1945. At the Manchester Municipal School of Art, Cavendish Street, All Saints, Manchester, 15. (Sponsor, Manchester Municipal School of Art.)

JUNE 20-22

PARIS. *International Technical Congress.* Among the delegates from Great Britain will be Sir Patrick Abercrombie, President, International Reunion of Architects, and Sir Percy Thomas, P.R.I.B.A.

SEPT. 16-21

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From AN ARCHITECT'S *Commonplace Book*

AN AMERICAN ON THE AMERICAN CITY: ST. VITUS DANCE ON THE GRIDIRON. [From *City Development*, by Lewis Mumford (Secker and Warburg).] The principal effect of the gridiron plan is that every street becomes a thoroughfare, and that every thoroughfare is potentially a commercial street. The tendency towards movement in such a city vastly outweighs the tendency towards settlement. As a result of progressive shifts in population, due to the changes to which commercial competition subjects the use of land, the main institutions of the city, instead of cohering naturally—as the museums, galleries, theatres, clubs and public offices group themselves in the heart of Westminster—are dispersed in every direction. Neither Columbia College, New York University, the Astor Library, nor the National Academy of Design—to seize but a few examples—is on its original site. Yet had Columbia remained at Fiftieth Street it might have had some effective working relation with the great storehouse of books that now occupies part of Bryant Park at Forty-second Street; or, alternatively, had the Astor Library remained on its old site it might have had some connection with New York University—had that institution not in turn moved. What was called the growth of the commercial city was really a manifestation of the absence of design in the gridiron plan. The rectangular parcelling of ground promoted speculation in land-units and the ready interchange of real property: it had no relation whatever to the essential purposes for which a city exists.

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The Dean and Chapter are making an Empire appeal for funds for the RESTORATION OF ST. PAUL'S CATHEDRAL.

St. Paul's was twice struck by high-explosive bombs. In October, 1940, a great hole was torn in the roof of the choir, and in the following April the dome of the north transept crashed through the floor into the crypt. Apart from that, almost everything in the cathedral has suffered, whether directly through bombing or from the impossibility of holding deterioration in check under war conditions. A rough estimate published last year showed that, over and above the large sum to be provided by the War Damage Commission for the main structural repairs, a sum of not less than £100,000 will be needed for various special purposes. An opportunity has been taken to approach some of the leading societies and institutions within the City of London, such as the Corporation, the principal livery companies, and the chief banks and insurance companies. To that limited inquiry there has been, without any publicity, a remarkable response, and a substantial part of the sum needed has been paid and promised. It is proposed to publish in a few weeks a list of the donations, which include £5,000 from the Corporation of London. Meanwhile it is thought that the generosity of the City of London will be an example and an inspiration to the vast numbers outside that area, whether in this country or beyond it. To them this appeal is now made. The knowledge of the injuries St. Paul's has suffered has already evoked a number of gifts from abroad for the work of restoration. Donations of any amount, which may be spread over a period of years or earmarked for special objects, should be sent to Canon S. A. Alexander, the treasurer of St. Paul's, at St. Paul's Cathedral, London, E.C.4.

An international effort to RAISE THE STANDARDS OF INDUSTRIAL DESIGN was suggested at a conference on international co-operation in the humanities and the fine arts, called by the British Council after consultation with UNESCO.

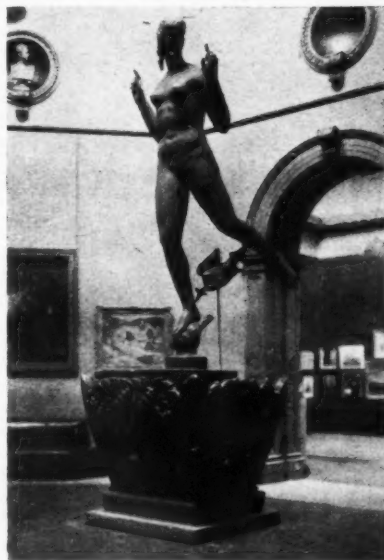
Sir Alfred Zimmern (Adviser to the Preparatory Commission of UNESCO) said the relationship between UNESCO and national organizations such as the British Council

should be one of close co-operation. One of the tasks of UNESCO should be to encourage such national bodies to co-operative efforts in the common cause. Dr. Julian Huxley, F.R.S. (Executive Secretary of the Preparatory Commission of UNESCO), pointed out that while scientific knowledge was potentially world-wide, culture in the humanities and fine arts was essentially various. In order to organize interchange in the field of the arts it would be necessary for UNESCO to establish regional centres in each of the main cultural regions of the world, of which there were eight or nine. Among suggestions made at the conference were: An international bibliographical centre to provide a link between National Central Libraries; the publication of abstracts of current research; an international university bureau to provide

information about facilities for research and courses of study; an international effort to raise the standards of industrial design; and the organization of exhibitions and international dramatic competitions. The speakers included: Mr. E. Maxwell Fry, F.R.I.B.A., Mr. M. MacOwan, Arts Council of Great Britain, Professor T. S. R. Boase, Director of the Courtauld Institute of Art, and Mr. Misha Black of the Design Research Unit, and the Artists' International Association.

Mr. Lewis Silkin: The building of the new satellite towns must be A NATIONAL RESPONSIBILITY.

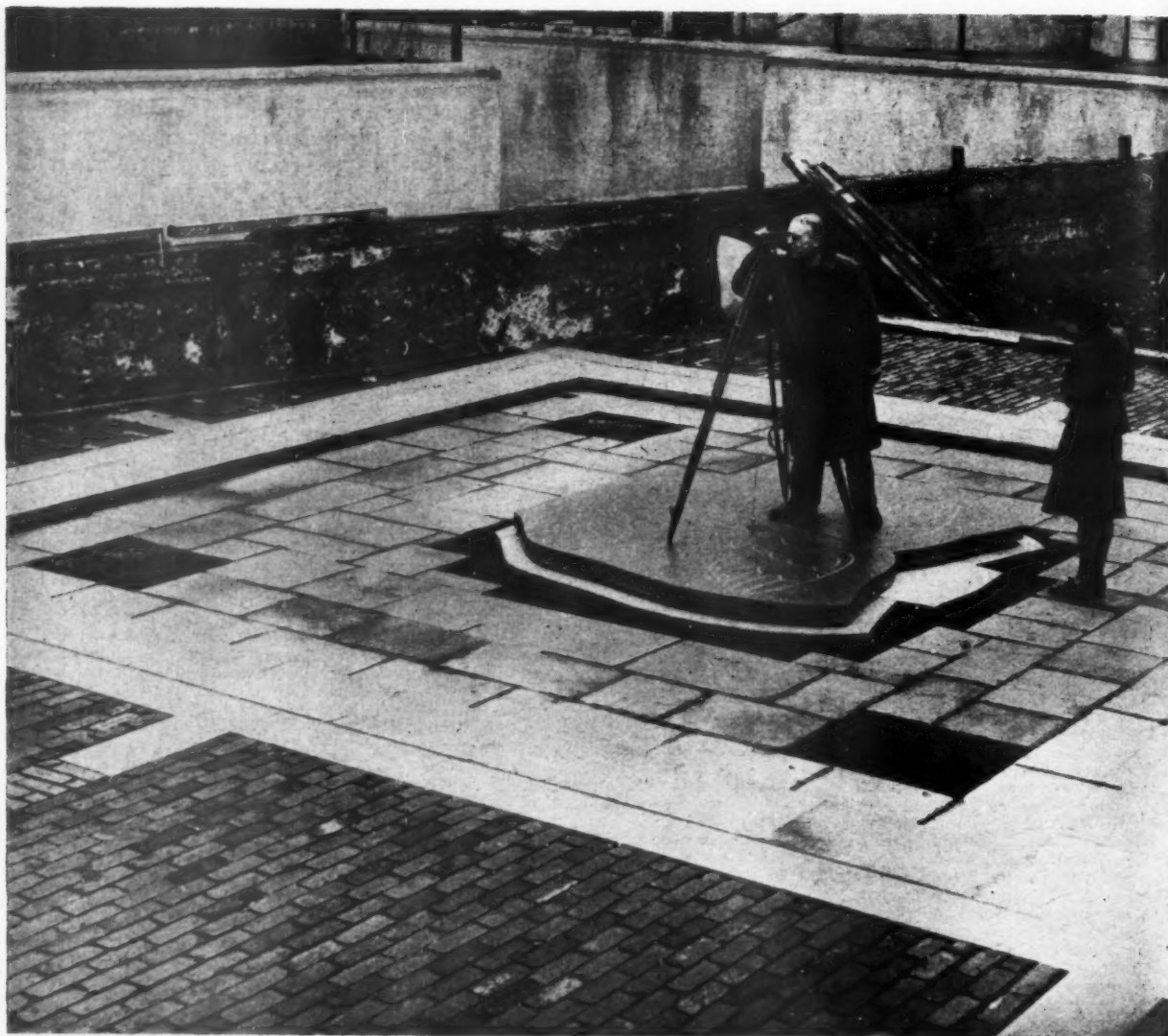
The new satellite towns, in relation to London rehousing and opportunities for private enterprise, were discussed by Mr. Lewis Silkin, Minister of Town and Country Planning, at a luncheon of the Association of London Property Owners in London. He said: The building of a new town demands a new technique, of which property owners have no experience. I have decided that this must be a national responsibility, but the corporations to be set up will be authorized to grant long leases to private enterprise for development in accordance with the master plan, and this will be brought into the fullest possible extent. We have not the slightest objection to individuals building their own houses under lease—the Government must retain the freehold—subject to the master plan.



Statue in bronze of a fountain figure for the Council House, Bristol, for which Mr. A. F. Hardiman, R.A., F.R.B.S., has been awarded the medal for the best work of the year in sculpture by the Royal Society of British Sculptors. Owing to the special merit of the work the medal is to be awarded in gold instead of in silver as is usual. The photograph shows the model of the statue exhibited at last year's Royal Academy Exhibition.

The RIBA Board of Architectural Education has issued REVISED CONDITIONS FOR THE BANISTER FLETCHER ESSAY SILVER MEDAL.

The RIBA state: Competitors are reminded that normally this competition is confined to Probationers and elected Students of the RIBA who have not passed or received exemption from the RIBA Final Examination. Probationers and Students cannot enter for the competition if they have passed the RIBA Intermediate Examination more than twelve months before the published last day for the receipt of the essay. To meet the special conditions which have arisen as a result of the war it has been decided that for 1946 the competition will be open to Probationers and Students of the RIBA under the age of 25 years, who have not passed the Final Examination.



Coventry Starts Level

In the building of a ceremonial Levelling Stone, Coventry has not only taken the first practical step in rebuilding that much damaged city, but has also produced a pleasing piece of symbolism. The Levelling Stone, which has been designed by Mr. D. E. E. Gibson, the City Architect, and two of his assistants, was appropriately laid by the Mayor in the centre of Coventry's Redevelopment Area as part of the Victory Day celebrations. The Stone itself is of polished

Westmorland Green stone, set in a paved closure with flower beds, and bears an incised carving of Phœnix by the sculptor, Mr. Trevor Tennant. In a chamber below the stone is buried a copper casket containing contemporary records and a tube with a copy of the City Re-development Plan. Above is a view of the stone in its surrounding closure taken before the retaining walls and flower beds were complete. Further illustrations appear on pages 465-6.

The British Council is giving FLIGHTS OVER LONDON FOR VISITING ARCHITECTS and town planners.

The British Council is now including flights over London in programmes it arranges for visiting architects and town-planners from overseas as the best way of giving a general grasp of the layout of the metropolitan area, the siting of housing estates and other features. In a party taken on such a flight recently were Mons. Pierre Vago, President, and Mr. Erno Goldfinger, Secretary, of the International Reunion of Architects; Mr. Colin Penn, A.R.I.B.A., and Mons. E. F. Burckhardt, an architect from

Zurich. An observer with the party writes: We were particularly lucky with the weather, the pilot telling us it was unusual to have such good visibility over London. We flew low enough to see everything very clearly. Immediately after leaving Croydon we saw the red roofs and walls of the LCC Beckenham Estate as we made our way for the Thames at Dagenham. It was interesting to note how these estates were built round spacious greens. At Dagenham we crossed the river and flew over the LCC Estate at Becontree. Then south to the river again, over the bombed deserts of East and West Ham, with a good view of the large ships in the Royal Albert and Victoria Docks, and then

to the Isle of Dogs, almost eaten away by man-made channels and docks. Then over the city, leaving the Tower of London on our left, and St. Paul's looking surprisingly large. Next we flew along the line of the Strand and Piccadilly, noting that the Green Park was really green. At Barnes reservoirs we turned north over Chiswick, the new LCC flats and houses at the White City and goods yards at Willesden. Then Golders Green, Hampstead Heath and Hornsey. Next south down the Lee valley, speckled with acres of glass houses, noticing the New Town Hall at Walthamstow, like a carefully detailed white model. Then the Isle of Dogs again and south-east over the burnt-out Crystal Palace, and so back to Croydon.

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The Minister of Town and Country Planning, in conjunction with the Ministry of Transport, has had under consideration the improvement of urban areas by incorporating TREES IN THE DESIGN AND LAY-OUT OF ROADS.

Many authorities, says MOTCP in a circular to local authorities, take insufficient advantage of the pleasant effects that can be created by planting trees in urban areas, particularly where the buildings are drab and monotonous. Even where trees are planted full advantage is not always taken of the various decorative types available and not enough attention is paid to designing a planting scheme in harmony with the layout and architecture of the buildings. The Minister feels that fresh attention should be given to this question at the present time, when numerous and extensive reconstruction schemes are being put in hand. If the full benefits are to be secured it is essential that the whole planting scheme should be placed in the hands of technical experts from the outset. Where the planting is intended to form part of a scheme of redevelopment the planting aspect should be kept in mind from the earliest stages in the preparation of the scheme. The employment of sound technical advice will also contribute to economy. Apart from the importance of ensuring that tree planting is considered as an integral part of any new lay-out scheme, it is essential that the planting and maintenance staff should keep in touch with other departments of the council or with other authorities exercising powers in the same area. In this connection the following points should be borne in mind:

(a) Trees should be well clear of the carriageway so as to avoid contact with passing vehicles, and should be of such types and so placed that when they attain maturity they will not obstruct the vision of drivers or pedestrians. (b) Care should be taken that the trees neither cause damage to public utility mains, sewers, etc., nor are themselves damaged or stunted through contact with them. (c) As the tree grows, its roots are liable to cause dangerous irregularities in the paving slabs around, and it is desirable that where possible trees should be planted in either grass or possibly tarmac verges. (d) Tree planting results in a considerable restriction of the effective width of the footway and it is desirable that on classified roads carrying a fairly large volume of traffic and in towns where the footways are normally crowded, no planting should take place on footways of a width of less than 10 feet. (e) Free advice is available to highway authorities on this matter from the Roads Beautifying Association. It is important not to plant trees that will be too large when they are mature.

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British Architects are to be invited to submit designs for MANCHESTER'S NEW CENTRAL LAW COURTS.

A special sub-committee has been appointed to prepare a report recommending the proportionate amount of costs to be met by the authorities. The new building is estimated to cost £1,100,000 with a further £785,000 for the purchase of land on a site bounded by Deansgate, Quay Street, Gartside Street and King Street West.

COMPETITIONS—II

A TECHNIQUE of competition-winning has been perfected that really negatives half the reason for having competitions at all. Why go to all the bother and waste of time of a competition, if all you get is the sort of design that Sir Orderly Pompous, the assessor, would have done for you in any case? So many competitions are a foregone conclusion with the announcement of the assessor's name; so many are won by a competitor who shamelessly plays his cards to the assessor, bidding all Sir Orderly's well-known clichés.

Recognising that the assessor is in a key position, it is suggested to set an age-limit for assessors. This is too simple. There are those who are mentally senile though young in years, and the reverse. This goes too far for proposals to limit the age of competitors, as a recent competition reminds us. It is a tiresome modern fallacy to worship youth as such—no better than the previous bowing-down to age.

Nor would it be any use to try and influence the choice of assessors by the President, RIBA. Equally ineffective would be an attempt to tighten up the writing of conditions with the object of influencing awards. The choice of assessors, the framing of conditions, holding the ring to see fair play—these are not the root of the matter. Besides, within their limits these things are very well arranged, although many of us could point to glaring exceptions. Neither would it help to take the nomination of assessors from the President's prerogative and give it to the Competitions Committee, either before or after strengthening the membership of that committee. In general, there is nothing seriously wrong with the machinery. The root of the matter is the policy behind the system. This is a matter for the profession as a whole, which we earnestly hope will be thoroughly threshed out in public and private debate during the coming months until we are in tacit agreement again.

Hitherto, it has been assumed without question that the holding of competitions should be encouraged at every opportunity and timid promoters who approach the RIBA feeling they ought to hold a competition for the town hall at Much-Binding-in-the-Marsh, but fearing that this may land them with some unusual design which would provoke criticism, are reassured that the President will appoint them a safe assessor, who will confer with the promoters in drawing up the conditions. But is the advancement of architecture, or the true interests of the profession, really served by holding this type of competition at all?

Discouragement of the reactionary promoter would greatly reduce the number of competitions, but should we not be the better with only a few competitions? Those few would be outstanding occasions, when the whole profession mobilised its ablest men and women, young and old, to make a public demonstration to all the world of the very best that architecture in this country can attain. It would become an envied

privilege to be allowed to hold a competition. After all, promoters get the services of a great many architects on the cheap, when we hold a competition for them. Our position is stronger now: we are all much too busy to let ourselves be exploited in this way.

There is one point that should not be overlooked. Competitions are primarily a feature of private practice. Salaried men compete only as a way to get out into practice. But nowadays the salaried members are on the increase, and some of our leading architecture in the last decade has come out of the official departments (beginning with the Pithead Baths). It would be a pity if the rejuvenating effect of a reformed competition policy were denied to official architecture. It should not be impossible to give a salaried assistant, who had won a competition, leave of absence to execute the building, with promotion on his return; or if he got a subordinate award to promote him at once.



The Architects' Journal

13, Queen Anne's Gate Westminster, S.W.1
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N O T E S

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T O P I C S

THOSE RENT ACTS, AGAIN

It seems likely, so my legal friends tell me, that the decision in the recent case of *Property Holding Co., Ltd. v. Mischeff* will cause a good deal of heart-burning among tenants and quiet rejoicing among landlords. The point at issue in the case was whether the various amenities that frequently go with a flat in a modern building take the flat outside the scope of the Rent Acts. As the Rent Acts stand today, premises which would otherwise be controlled (by reason of the rent or rateable value) are excluded as a result

of the provisions in the Acts which say that where "the amount of rent which is fairly attributable to the attendance or to the use of furniture . . . forms a substantial part of the rent payable" the Acts do not apply.

In this particular case the judge, Mr. Justice Henn Collins, went through the lease between the parties with a logical precision beautiful to watch. Hall porters and refuse removal services are not attendance within the meaning of the Act as neither porter nor refuse remover are under any direct duty to the tenant. The porter may favour a tenant with his assistance from time to time but he cannot be compelled to help. How accurately that summarises the usual relations between tenant and hall porter. Again, the carpets in the corridors and the elegant settees in the entrance lobbies; they are not the furniture which the Act has in mind. If the landlord removes the lot, has the tenant any legal right to object? Both Mr. Justice Henn Collins and common sense are at one in answering emphatically, No.

But when we come to the kitchen cabinet, the built-in refrigerator and the bathroom toilet fittings, we reach a different arena, so to speak. They are furniture which the tenant is entitled to use and enjoy. Their capital cost today is considerable and a rental for them of, say, 15 per cent. on their capital value can amount to a sum which is a substantial portion of any rent. If

that is the case, then the premises are outside the Acts, and the landlord, as soon as he can bring the existing tenancy to an end, can demand an increased rent.

There it is. The law has spoken, and a great many tenants are going to find that their basic cost of living will take a sharp upward jump in the near future.

TECHNICAL TRANSLATIONS

UNESCO is not a name with which we are very familiar. It sounds vaguely Rumanian but in fact it is rather more international. It is a United Nations organization and there has just been published a Report of a Conference of Allied Ministers of Education Books and Periodicals Commission dealing specially with the subject of translations.* All professional and technical workers are very much concerned with the question of translations. They are the only means we have of keeping in regular touch with the trends of thought and practice followed by other workers in the same fields in other countries. For that reason alone this Report should be welcomed.

But it is not an inspiring document. Perhaps it could hardly be otherwise. It sees the difficulties. On its own initiative the Commission can do little to solve many of them. But very largely the remedy is in our own hands. If we make a market for the translations of foreign books then the translations will follow automatically, and if there is no commercial market we can at least support any action by our own Government to influence UNO to devote some of its funds in subsidizing the translation of vital technical works. UNO will spend a good deal of money on aims that unfortunately will bring to us far fewer practical benefits.

MISSED OPPORTUNITY

It is difficult to say which is more galling when one is keen on an idea, to find it totally ignored or to see it accepted but so misapplied that its whole point is missed. That is the dilemma the advocates of gardens in ruined churches must be faced with at this moment.

* H.M.S.O., 2d.

They have stated clearly enough the desirable attributes of such gardens: that they should exploit the romanticism latent in bomb-ruins, where the self-sown willow-herb and other wild plants have already suggested the possibilities of an informal garden even in the midst of buildings and pavements; that the architectural remains should be incorporated as an element in the design of the garden, and that it should provide a haven of quiet and seclusion from the din of city traffic.

garden penetrating right into the church, or at least with the ruined church serving as an inviting background, and setting the character of the garden between it and Piccadilly.

A garden has now been built at St. James's, Piccadilly, and this is what they have done: first they have screened off the garden from the bombed façade of the church by a high trellis, so that it shall have as little connection with the ruined walls and windows as possible—the only connection is a double row of azaleas in tubs leading to the north door; they have rooted up one of the two trees that were growing in the forecourt and paved or gravelled the whole thing over, so that it shall be as unromantic as possible and as like as possible to the pavement of Piccadilly outside, and they have laid out a commonplace little flower-bed with potted shrubs and seats primly placed round it (separated only by an iron railing from Piccadilly itself) of the kind one was accustomed to find before the war on the roofs of go-ahead department stores or in odd corners of the Daily Mail Ideal Home Exhibition.

I forbear to mention the name of the distinguished architect responsible.

ASTRAGAL



LETTERS

School Teacher

Hugh Scorer,

*(Hon. Sec. Students' Committee
Architectural Association)*

Stirling Craig

Crystal Palace Competition

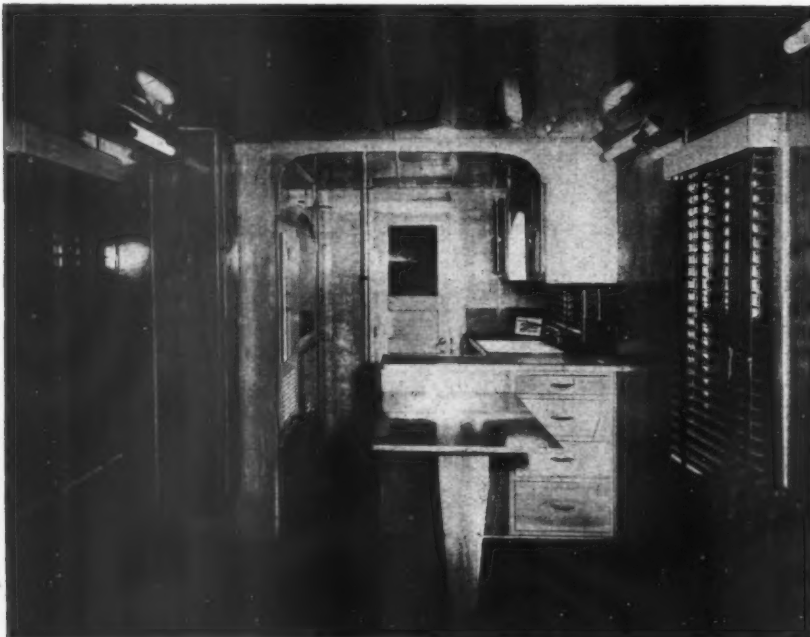
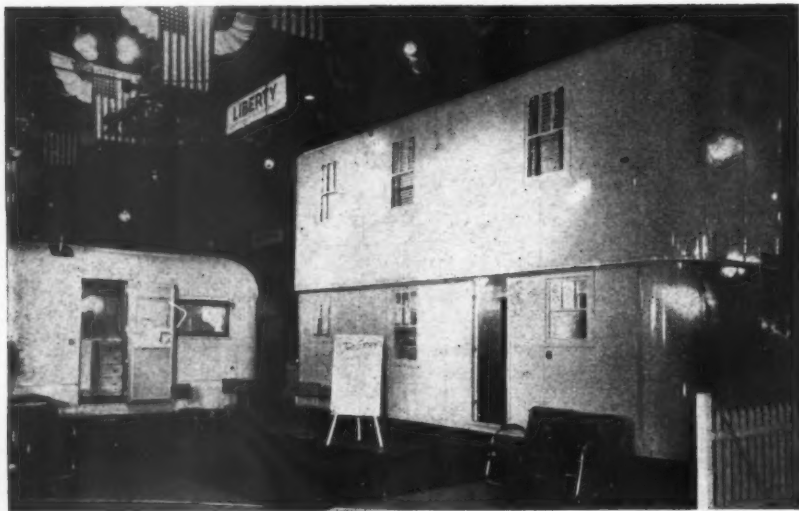
SIR,—I should like to register a layman's protest against Mr. Maxwell Fry's review of the Crystal Palace Competition results. I suggest that before writing it he should have read the conditions very thoroughly and then decided whether to criticise them or the efforts of the competitors to fulfil them. As it was, he gives no credit to schemes that abide by the rules, and singles out for his praise several schemes that the assessors could not, in all conscience, consider for any award simply because they violate one or more of the conditions. This would not be of any consequence if he had mentioned why they were disqualified. Any scheme that produces fine or exciting architecture should receive recognition as such, but when it fails to solve the problems or comply with the conditions, that point should be made. I suggest that if a competitor does not intend to abide by the conditions, he should not trouble to enter any competition. As for Mr. Fry, might I suggest that, to do justice to a review of this nature, he should cast more than a cursory glance at the schemes submitted and should certainly read the conditions and then assemble and clarify his ideas about both. His review might then be a little less muddled and superficial.

For instance, Mr. Fry states, "No. 79 uses the top of the site, as No. 72 does, for all buildings except the stadium." Remarkable. This was expressly laid down in the conditions. No. 85, mentioned by Mr. Fry, violates this condition and is, moreover, poorly worked out and appears even to my untrained eye to be only half finished. No. 72 also ignores two important conditions—that the Exhibition Halls should be low buildings and that glass should not be used. The idea of using glass extensively on walls



The formal garden lately laid out in front of St. James's, Piccadilly—see Astragal's note. The top photograph shows the site as it was before. With a little imagination it can be seen how this site, though desolate enough, with its scattered stones and already thriving vegetation, could have been made into a garden of character, bearing some relationship to the ruined church into which it leads.

TWO-STOREY TRAILER HOUSE



This two-storey five-roomed trailer home, which can sleep eight people, is now being built in the USA. When travelling, the first floor is collapsed over the ground floor by means of two synchronized hydraulic jacks. A space of 19 in. is left between roof and first floor, so that low furniture, such as beds, can remain where they are. When stationary, the wheel housings can be removed and replaced by flooring. Entrance to the upper storey is by means of a circular stairway in the front end of the living room. A bathroom is located under the stairway. Walls and ceiling throughout are finished in birch plywood. Floors, walls and roof are insulated throughout. Overall floor length is 24 ft. and the road height is 10 ft. 10 in.; overall width is 8 ft. and body height 13 ft. 10 in.; ceiling height on the ground floor is 6 ft. 6 in. and on the second floor 6 ft. 2 in. Top, general view. Above, the kitchen equipped with double cabinet sink, electric refrigerator, three-burner gas cooker, and electric water heater. Below, right, first floor bedroom. The cost is 2,800 dollars.



where windows are not desired, as in cinemas and theatres, is surely an architectural cliché to be avoided.

Then Mr. Fry goes on to put down in writing the heresy spoken over the air by one of the assessors that the plan and elevations of any building can be separately judged. He says that lay-out is subordinate to architectural excellence. If, to our leaders of progressive architecture, architectural excellence means elevations only, it is little wonder that town planning has become rather a joke.

SCHOOL TEACHER

SIR.—As the Students of the Architectural Association School of Architecture, we request space in your columns to express our indignation at the results of the Crystal Palace Competition recently held at the County Hall, London.

It is impossible not to draw a comparison with the spirit which conceived the original design for the Crystal Palace in 1851, which was functional, beautiful and adventurous, leading the world in a construction of glass and ironwork. While realising that the new buildings will have a different function and are to be more permanent, has not the daring spirit of Paxton been replaced by an unimaginative and timid approach in the winning schemes of 1946? We feel that this is not entirely due to the general standard of the competitors' designs, some of which were wonderfully adventurous, but rather to the selection made by the judges, who, we understand, are hoping, in a new competition, to obtain new and improved "facades" to the winning design. If this is the case, we, as architectural students, cannot too strongly deplore such a superficial approach to the problem of design which conceives the elevation as a separate unit from the plan. It is difficult to see why an admittedly unsatisfactory scheme should be permitted to win a prize of such importance.

If this policy is adopted, may it not set the standards for future competitions? This country will then make no contribution to a living architecture, but content itself with poor imitations of the architecture of the past.

HUGH SCORER.

Hon. Sec., Students' Committee.

London Architectural Association

SIR.—From what I could gather from your reproduction of the winning design for the Crystal Palace I was in entire agreement with the criticism voiced in the same issue. There was a reference made by one critic to the fact that other designs submitted were infinitely better solutions than those premiated.

My interest thus stimulated, I decided as I was visiting London at the week-end, to visit the Building Centre and form a first hand opinion of this global bone of architectural contention. Like most people working in the provinces, I can only get to London on Saturday afternoon, therefore imagine my dismay when I found the doors at the Building Centre securely closed until Monday morning.

I do not consider such penalties encouraging to provincial members of the profession and I find it hard to believe that it is necessary for such important exhibits to be housed on premises which cannot see their way to remaining open at least until 6 p.m. on Saturdays, and preferably all the week.

There is one further point of view which I believe will be shared by many architects who have been and still are in the Services. Should not a competition of the magnitude of that for the Crystal Palace have been held over until later when the majority of serving architects are released, and thus in a position to compete?

This is a case where only the best designs are good enough, and it is doubly disappointing to be informed by the assessors that they awarded the prize to what they suggest even in their own view is "the best of a bad job."

Coventry

STIRLING CRAIG



CITY OF COVENTRY LEVELLING STONE

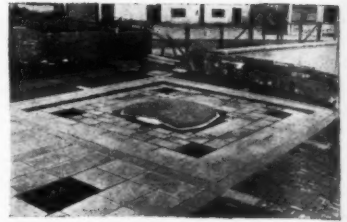
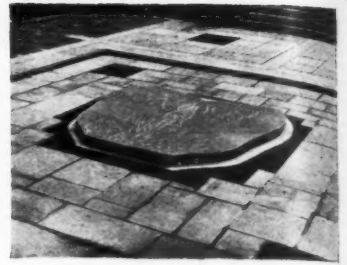
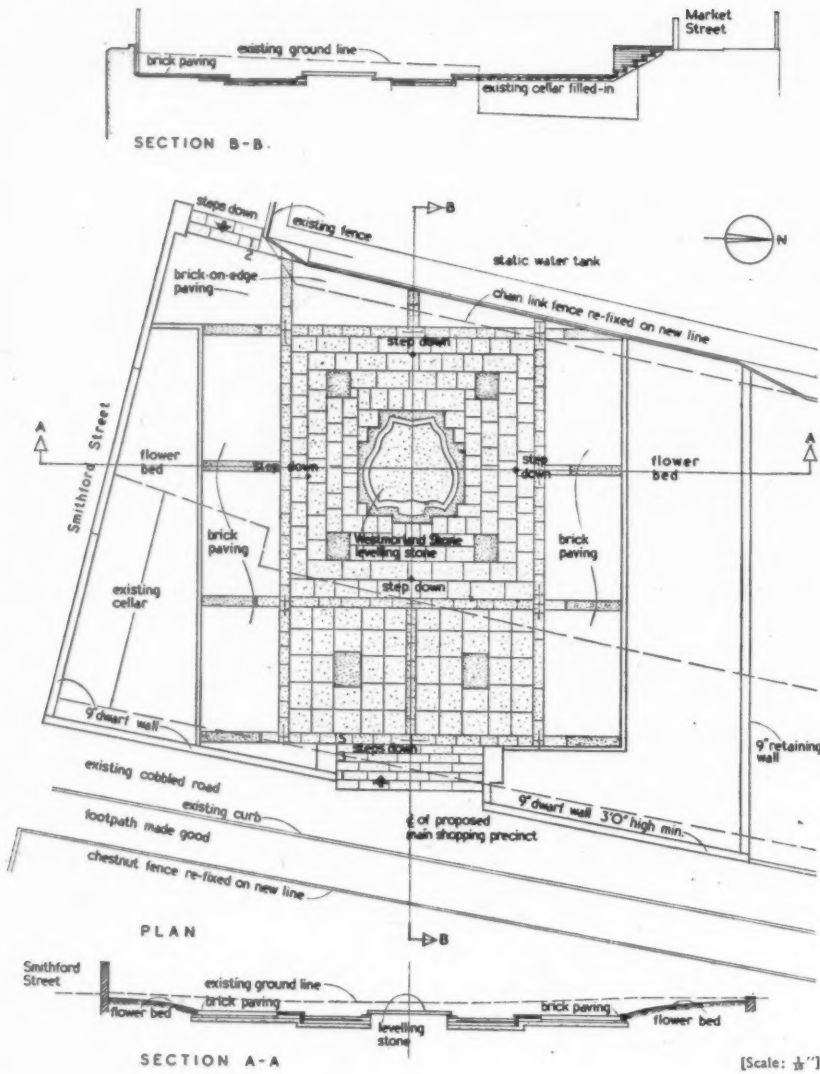
DESIGNED BY D. E. E. GIBSON, CITY ARCHITECT

Early in 1946 the City Council decided to include in Coventry's Victory Day celebrations, the laying of a Levelling Stone in the centre of the Redevelopment Area of Coventry, as a first practical step in the rebuilding of the city after the enemy attacks during the war, and to act as a guide to Rebuilding Operations. The Rt. Hon. Lord Kenilworth generously offered to bear the cost of the work. A site in Smithford Street, on the central axis of the proposed Shopping Precinct was chosen and cleared and the Levelling Stone, a large block of polished Westmorland green stone, was laid in the

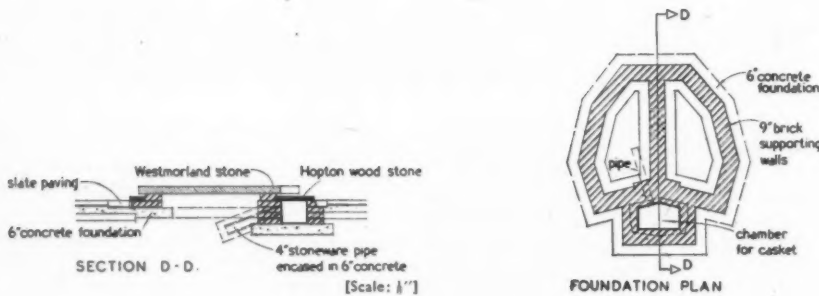
centre of a York stone pavement. A bronze plate in the centre of the Levelling Stone is a datum point for computing the levels of the Redevelopment Area. Three small cups are set in the Levelling Stone to receive the legs of a theodolite tripod; when this is done, the theodolite is exactly on the central axis of the Shopping Precinct, and the position of all new buildings can be accurately fixed. On the Levelling Stone is an incised carving of a Phoenix, symbolizing the rise of the New City from the flames of the old. The sculptor is Mr. Trevor Tennant. The Levelling Stone has a Hopton-

Wood Stone surround carved with inscriptions commemorating the laying of the Stone by the Mayor of Coventry (Councillor J. C. Lee Gordon) on the 8th June, 1946, and bearing the names of the members and officers of the City Redevelopment Committee. The Stone is set in a border of slates laid on edge with radiating joints. The York stone pavement, which will form part of the final paving of the new shopping precinct, is divided into panels by strips of green Westmorland stone. On either side are temporary brick pavements and flower beds.

A copper casket, designed and



Top, another view of the Stone. Below, a general view of its setting.

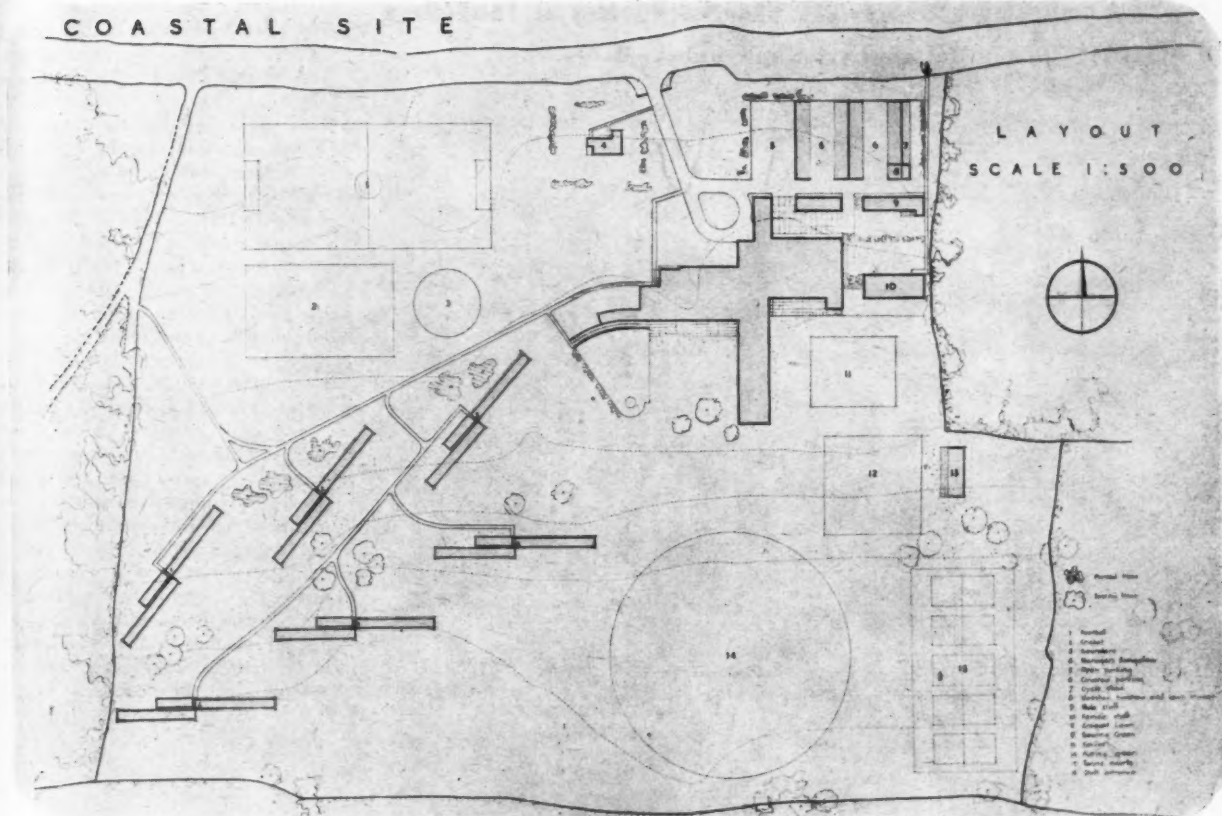


made by Mr. H. Mazdon of Coventry, containing contemporary records, and a tube with a copy of the City Redevelopment Plan, were placed in a chamber under the Levelling Stone by Lord Kenilworth during the Victory Day celebrations.

Dame Ellen Terry, the distinguished Victorian actress, was born in Coventry on 27th February, 1847, in a house now destroyed, which stood a few yards from the Levelling Stone. An inscription on a slab of York stone, set in the pavement, commemorates this fact. This stone was laid on Victory Day by Dame Ellen Terry's daughter, Miss Edith Craig.

The Levelling Stone and layout were designed by the City Architect of Coventry, Mr. Donald E. E. Gibson, M.A., A.R.I.B.A., A.M.T.P.I., assisted by Mr. Brian Bunch, A.R.I.B.A., and Mr. Guy D. Oddie, B.Arch., Dip.T.P. Mr. F. Hocking, Master Builder, carried out the building work on a non-profit basis on behalf of the Coventry and District Association of Building Trades Employers.

COVENTRY LEVELLING STONE



No. 14 (a) 1st Prize Coastal Holiday Centre Layout; Jessie M. Evans and Frank Moate. 1 Football; 2 Cricket; 3 Rounders; 4 Manager's Bungalow; 5 Open Parking; 6 Covered Parking; 7 Cycle Shed; 8 Workshop, Toolshed and Lawn Mower; 9 Male Staff; 10 Female Staff; 11 Croquet Lawn; 12 Bowling Green; 13 Pavilion; 14 Putting Green; 15 Tennis Courts; 16 Staff Entrance.

WTA COMPETITION FOR HOLIDAY CENTRES

THE WINNING DESIGNS

The assessors.—Sir Patrick Abercrombie, M.A., F.R.I.B.A., P.P.T.P.I., Mr. J. H. Forshaw, M.C., M.A., F.R.I.B.A., M.T.P.I., and Mr. C. G. Kemp, A.R.I.B.A., F.I.L.A.,—of the Holiday Centres Competition promoted by the Workers Travel Association, have made their award as follows:

Design for a Coastal Holiday Centre. First Premiated Design (£250), No. 14 (a): Jessie Morton Evans, A.R.I.B.A., A.M.P.T.I., and Frank Moate, 117, Ashley Road, Bristol 6. Second Premiated Design (£100),

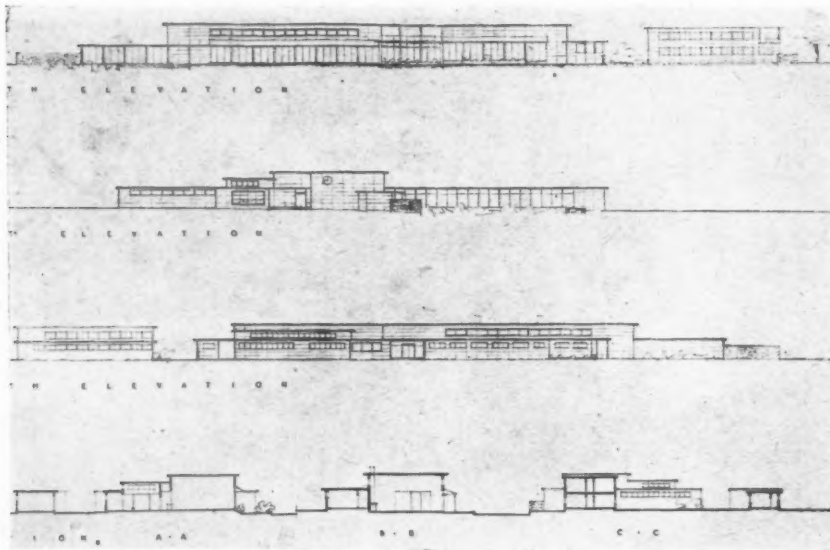
No. 10 (a): G. W. Nightingale, A.R.I.B.A., and H. G. Pickering, L.R.I.B.A., 27, Kinton Road, Sutton Coldfield, Birmingham.

Commended Designs: No. 11 (a): Maureen H. Maher and D. O. Forrest, 25, Sion Court, Richmond Road, Twickenham, Middx.; 16 (a): Philip E. Bell, A.R.I.B.A., and Noel E. Campbell, A.R.I.B.A., M.R.I.A.I., Mount Pleasant, Bangor, Co. Down; 44: Peter Moro, in association with Gordon Bowyer and Sheila McKenzie, the Polytechnic, Regent Street, London,

W.1; 45 (a): Hilton Wright, A.R.I.B.A., and Richard Sheppard, F.R.I.B.A., 20, Gower Street, London, W.C.1.

Design for an Inland Holiday Centre. First Premiated Design (£250), No. 41 (b): W. W. Fisk, A.R.I.B.A., A.A.Dip., and S. F. Burley, L.R.I.B.A., 52, Gwalior House, Chase Road, Southgate, London, N.14. Second Premiated Design (£100), No. 48 (b): F. Chippindale, F.R.I.B.A., T. le Briero, and H. W. Rosenthal, Dipl. Ing., 6, Roundhill Road,

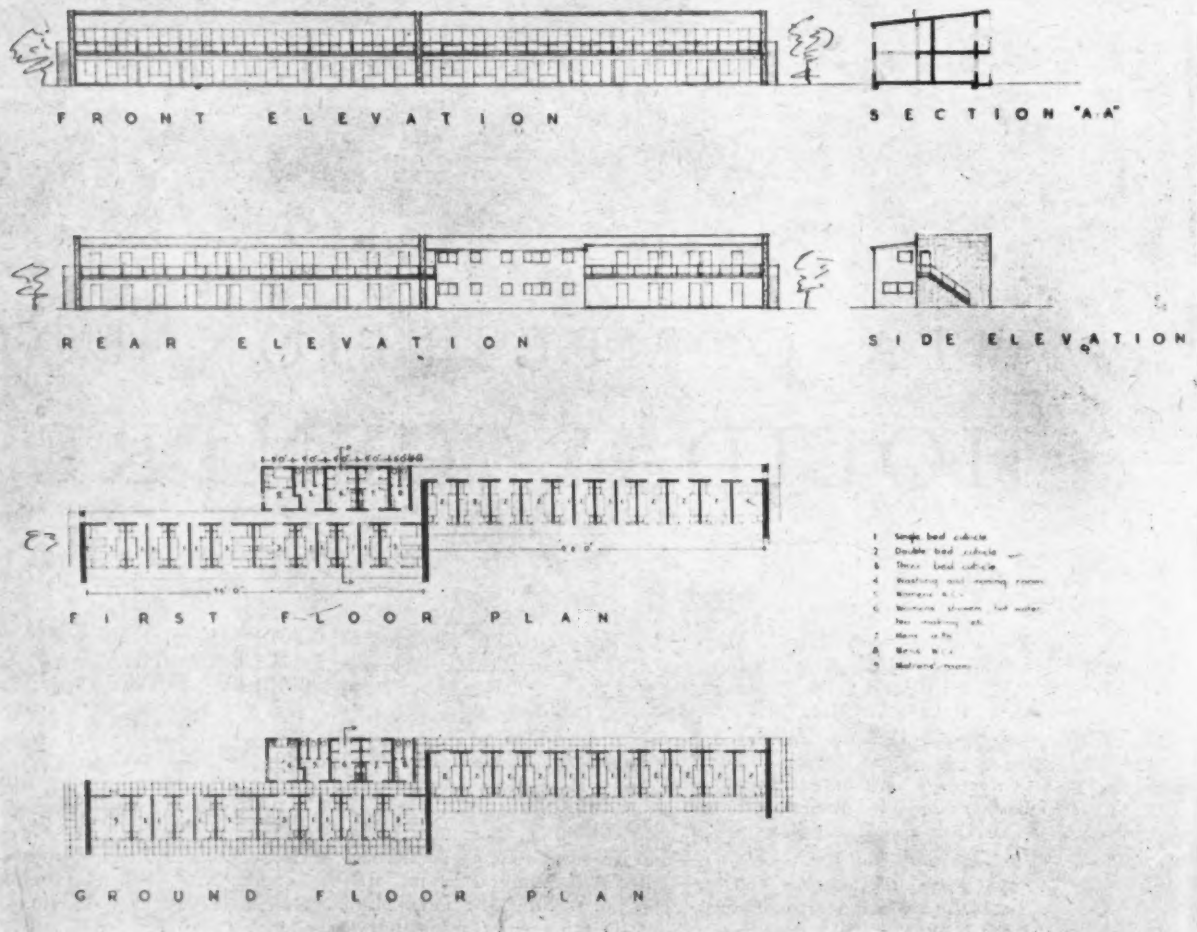
No. 14 (a) WINNING DESIGN, Coastal Holiday Centre: Jessie Morton Evans and Frank Moate.



Main Block (Administration) Elevations and sections. Top, South elevation; Centre, West elevation; Below, North elevation; Bottom, sections AA, BB, CC.

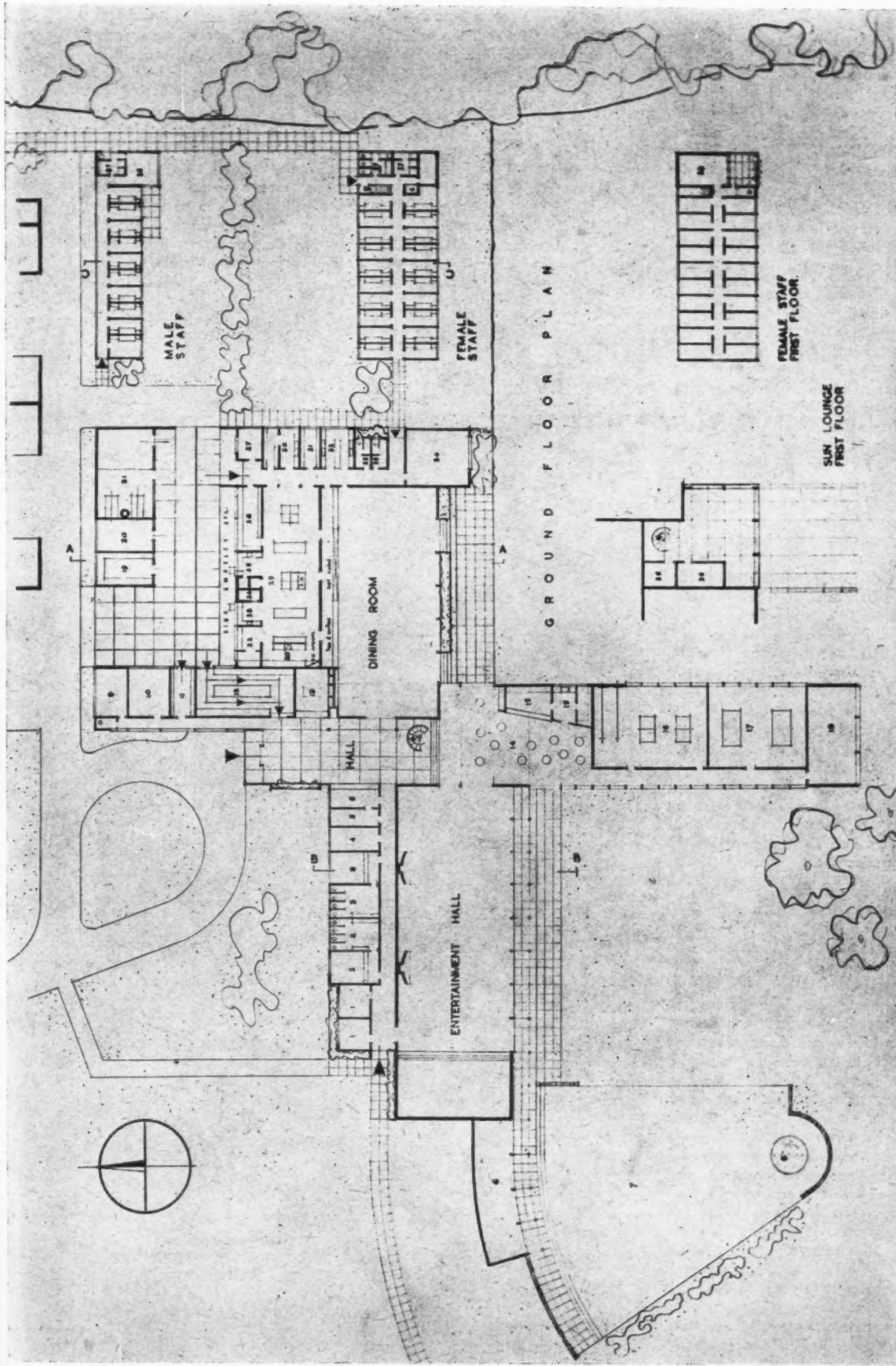
Leicester. Commended Designs: No. 11 (b): Maureen H. Maher and D. O. Forrest, .25, Sion Court, Richmond Road, Twickenham, Middx.; 30 (b): Stanislaw M. Lancucki, Jan K. Sterling, and Witold A. Wondrausch, 53, Catharine Street, Liverpool 8.

Following are extracts from the assessors' report: In a pamphlet entitled *More and Better Holiday Centres*, issued with the Conditions the promoters explained their ideas and aims. Competitors can therefore hardly have failed to notice that the Workers Travel Association's interest lies chiefly in a simple type of holiday centre for coast and country which will attract families. The association decided not to wait until sites had been selected but to focus attention on the architectural problems without delay and by this means to stimulate interest and research in order that, when the building of new centres becomes possible, any of the organizations which are interested in promoting holiday centres in the country might



Terrace (Dormitory) Blocks. Plans, elevations and section. 1, Single bed cubicle; 2, Double bed cubicle; 3, Three bed cubicle; 4, Washing and ironing room; 5, Women's W.C.s.; 6, Women's showers, hot water, tea making, etc.; 7, Men's ditto; 8, Men's W.C.s.; 9, Matrons' room.

No. 14 (a) WINNING DESIGN, Coastal Holiday Centre: Jessie Morton Evans and Frank Monte.



W T A H O L I D A Y C E N T R E S C O M P E T I T I O N

benefit from the considerable study given to these conjectural projects.

The designs fall broadly into two groups, the first having sleeping accommodation separated from, and the second with it closely related to, the administrative accommodation and public rooms. Either method has advantages and disadvantages, but in assessing the designs we have awarded the prizes to those schemes which, in our opinion, show the greatest all-round merit in layout, detailed planning, elevational treatment, construction and cost.

Some designs which tend to be over elaborate clearly indicate a misinterpretation of the type and character of the accommodation desired, and a more careful consideration of the ideas and aims expressed by the promoters and set out in the Conditions and the Answers to Competitors' Questions, as to the stipulated maximum cost, would have avoided this error. On the other hand, a few competitors appear to have been anxious to over simplify. Between these two extremes are a range of designs of appropriate scale which provide workable solutions of the problem, but the general level of the designs submitted is not considered to be high; nevertheless, we consider that the premiated designs are of sufficient merit to receive the awards. It was thought that designs conceived under less rigid conditions than usually obtain in practice on actual sites would express new ideas in holiday camp design, both as to the planning of buildings and their disposition on the ground.

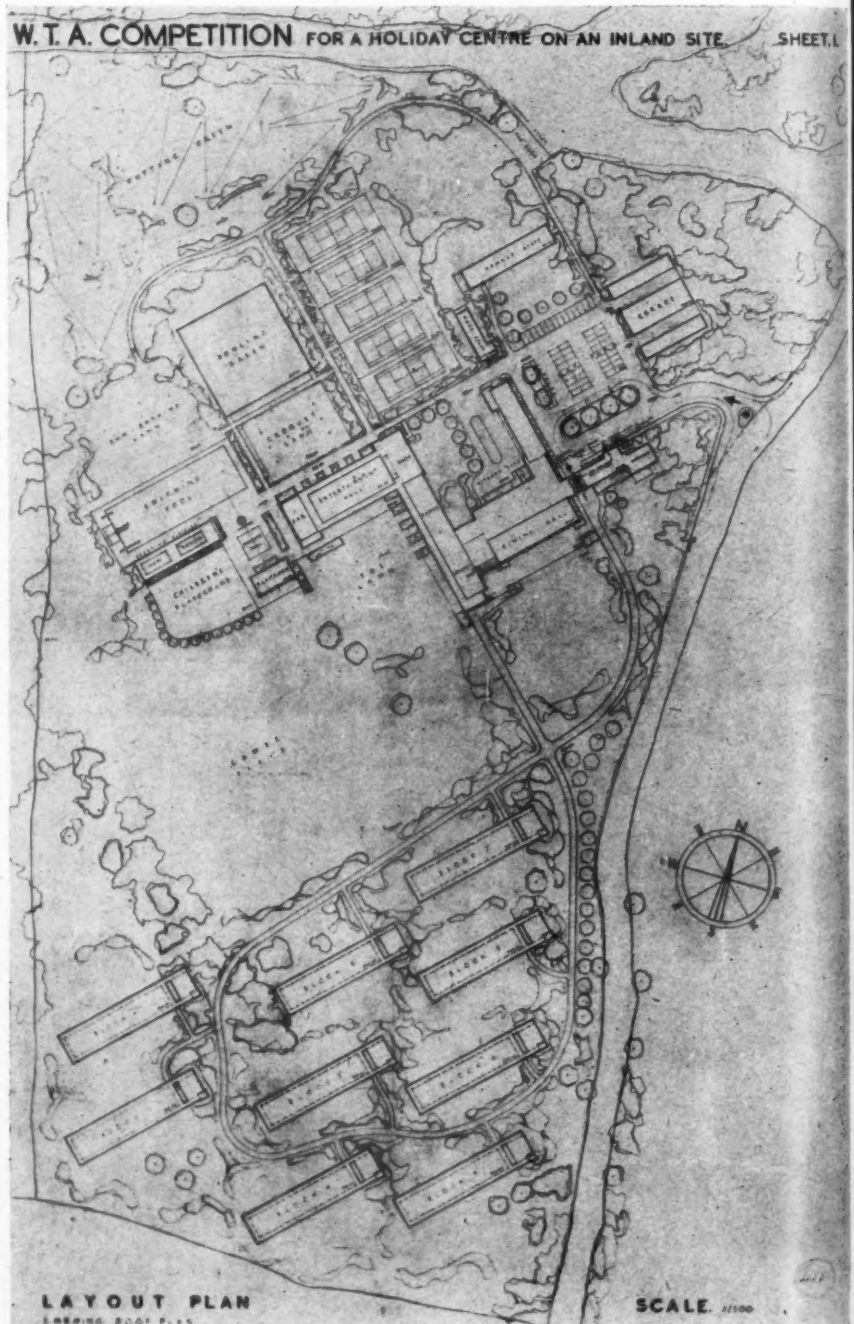
Section A—Coastal Centre.—We award the First Premium of £250 to number 14 (a). In this scheme the open layout and the disposition of the sleeping blocks obliquely across the site makes a feature of special interest. The areas set apart for recreation are well placed to maintain a park-like character in the layout, the orientation of the tennis courts should, however, be revised. The interrelationship of the chief elements of the plan is good, the planning of the administrative blocks and the guests' public rooms is convenient and the latter enjoy a good outlook and aspect. The sleeping blocks are planned to provide for one, two and three bed apartments in each block. A verandah at ground level and a balcony at first floor level give access to each apartment; the overhang to the roof and the balcony give ample shade to bedrooms with a southern aspect. The structure proposed is steel frame with pre-cast concrete clad-

ding externally and petrified compressed wood fibre internally.

Section B—Inland Centre.—We award the First Premium of £250 to number 41 (b). The author of this design relies on open planning and simple elevations, as does the author of the scheme placed first in Section A. The detailed planning of the administrative and guests' public rooms is good and the single storey sleeping blocks are well situated. A good balance on the site is achieved and the value of trees and planting in linking the design is well founded. The construction proposed is partly

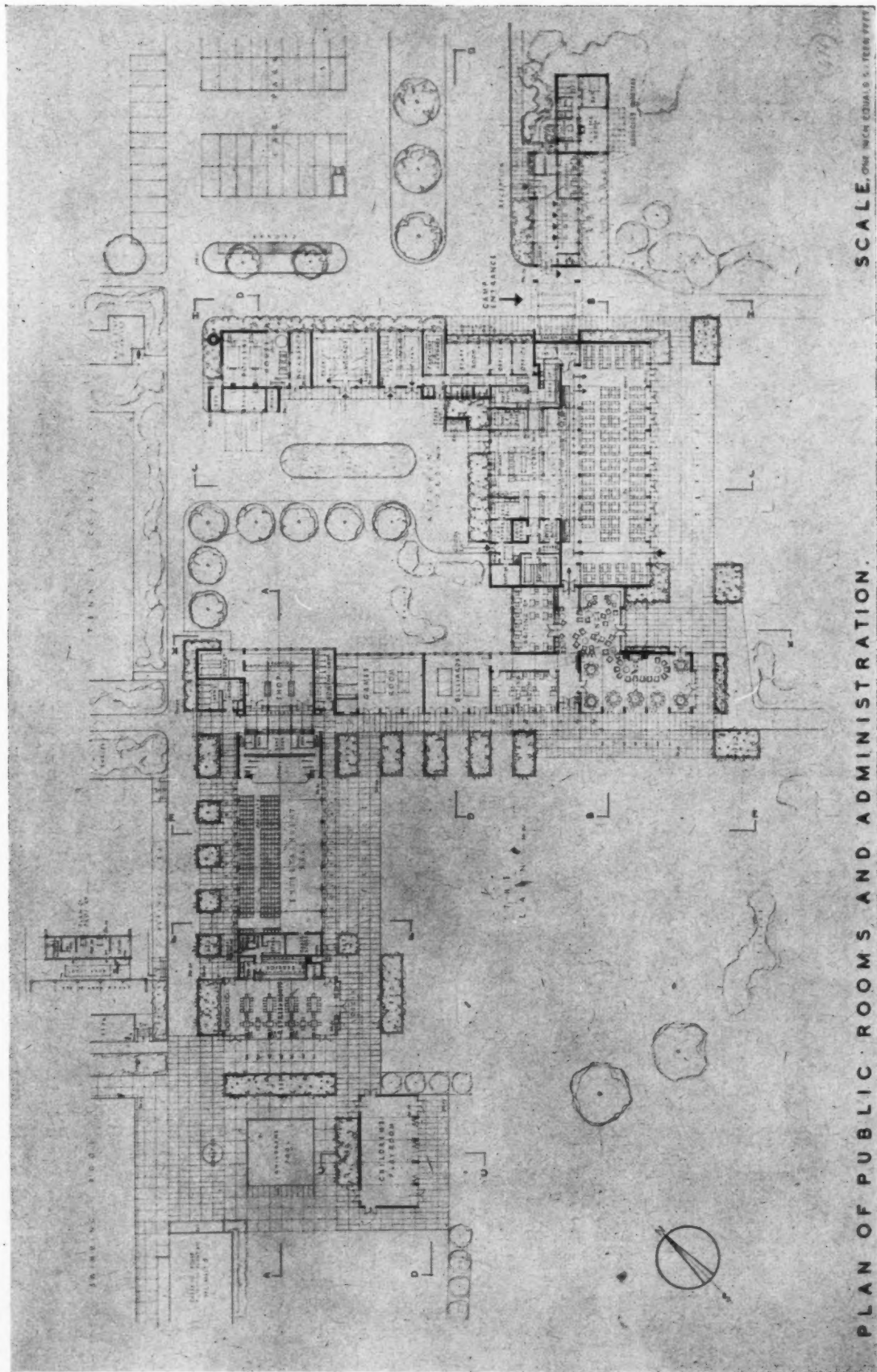
steel frame with corrugated asbestos and pre-cast concrete cladding externally and concrete blocks internally and partly loadbearing brickwork rendered externally.

The estimated costs of the designs placed first err on the low side, but we are satisfied that they are capable of adjustment within the margin allowed in the Conditions and that they are the most meritorious designs. The estimated costs of the designs placed second appear to be reliable, but the accommodation in each of these schemes is generally less spacious than in the designs placed first.



No. 41 (b) Winning Design, Inland Holiday Centre, W. W. Fisk and S. F. Burley.

No. 41 (b) WINNING DESIGN, Inland Holiday Centre: W. W. Fisk and S. F. Burley.

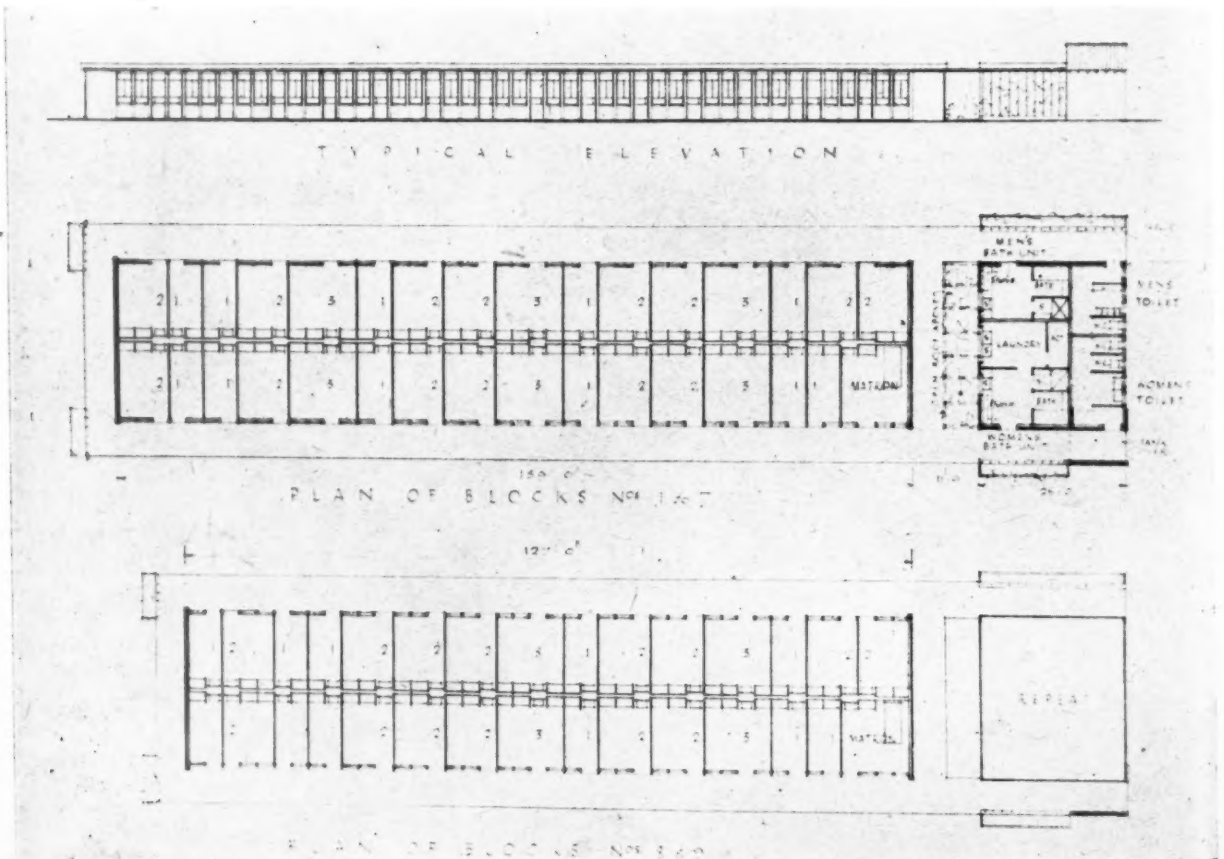
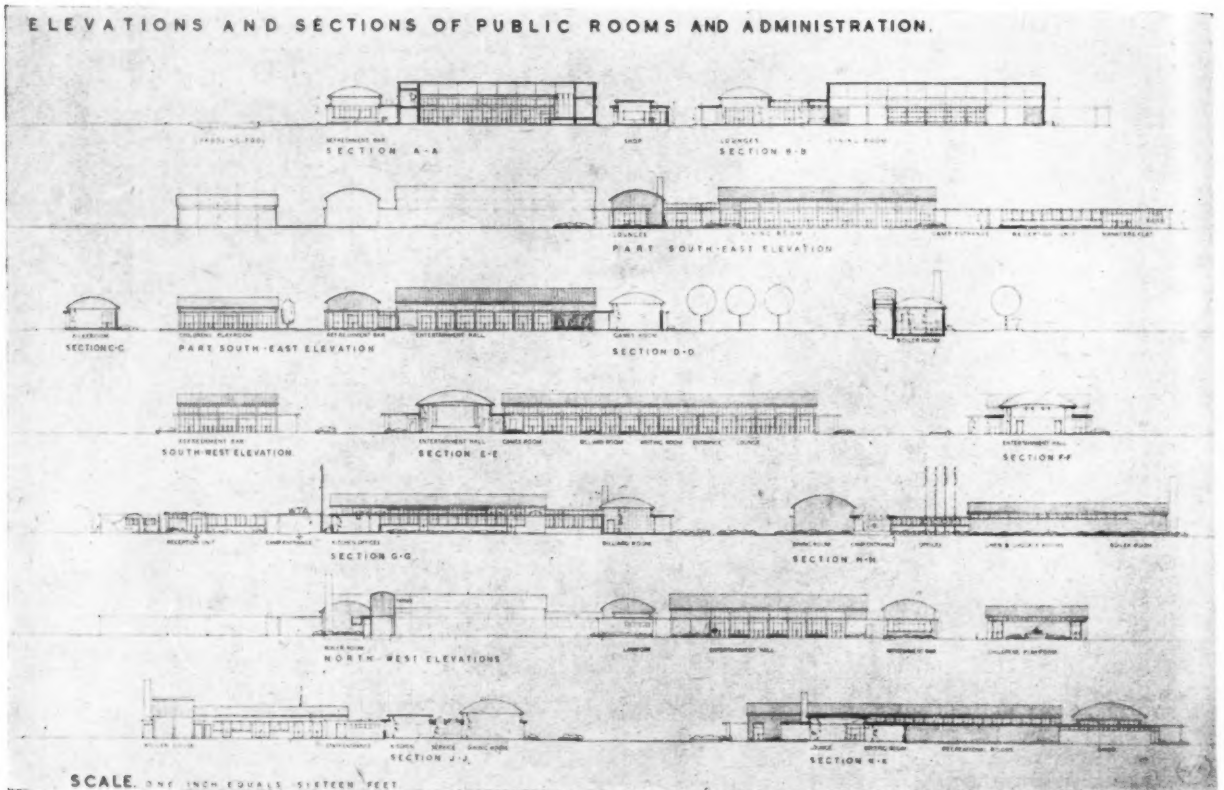


PLAN OF PUBLIC ROOMS AND ADMINISTRATION.

SCALE ONE INCH EQUALS 5 FEET

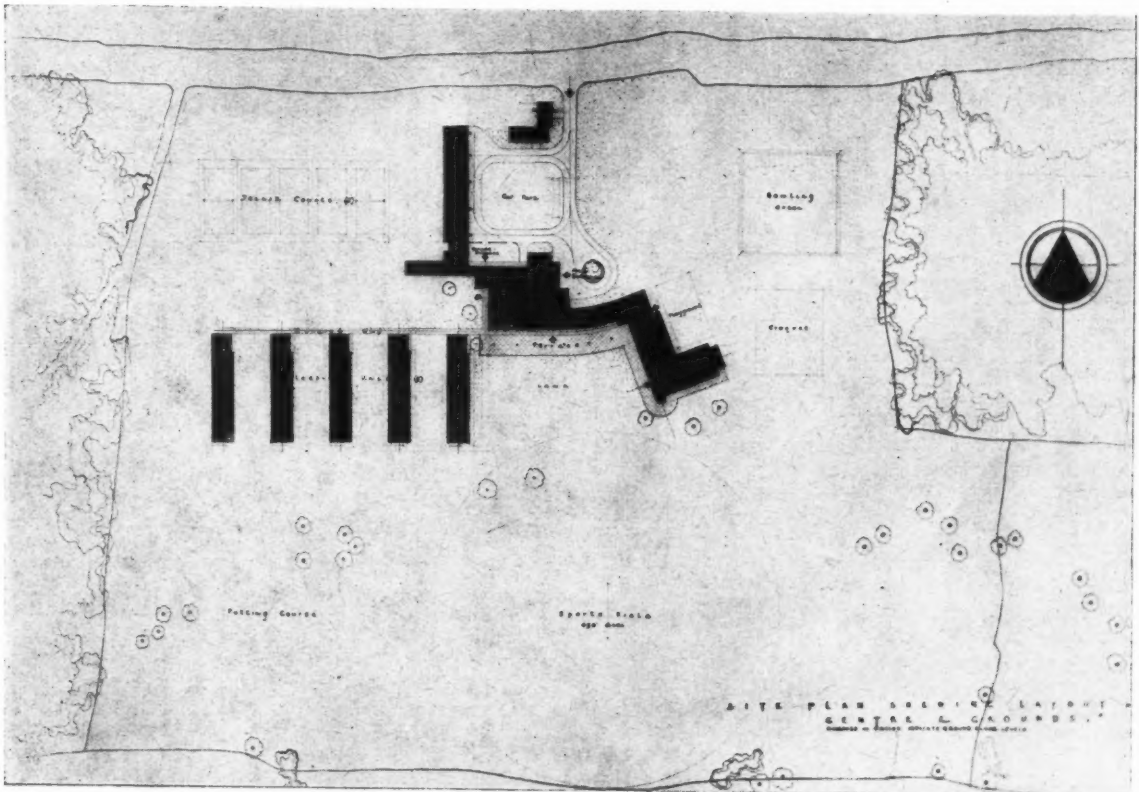
W T A H O L I D A Y C E N T R E S C O M P E T I T I O N

No. 41 (b) WINNING DESIGN, Inland Holiday Centre:
W. W. Fisk and S. F. Burley.

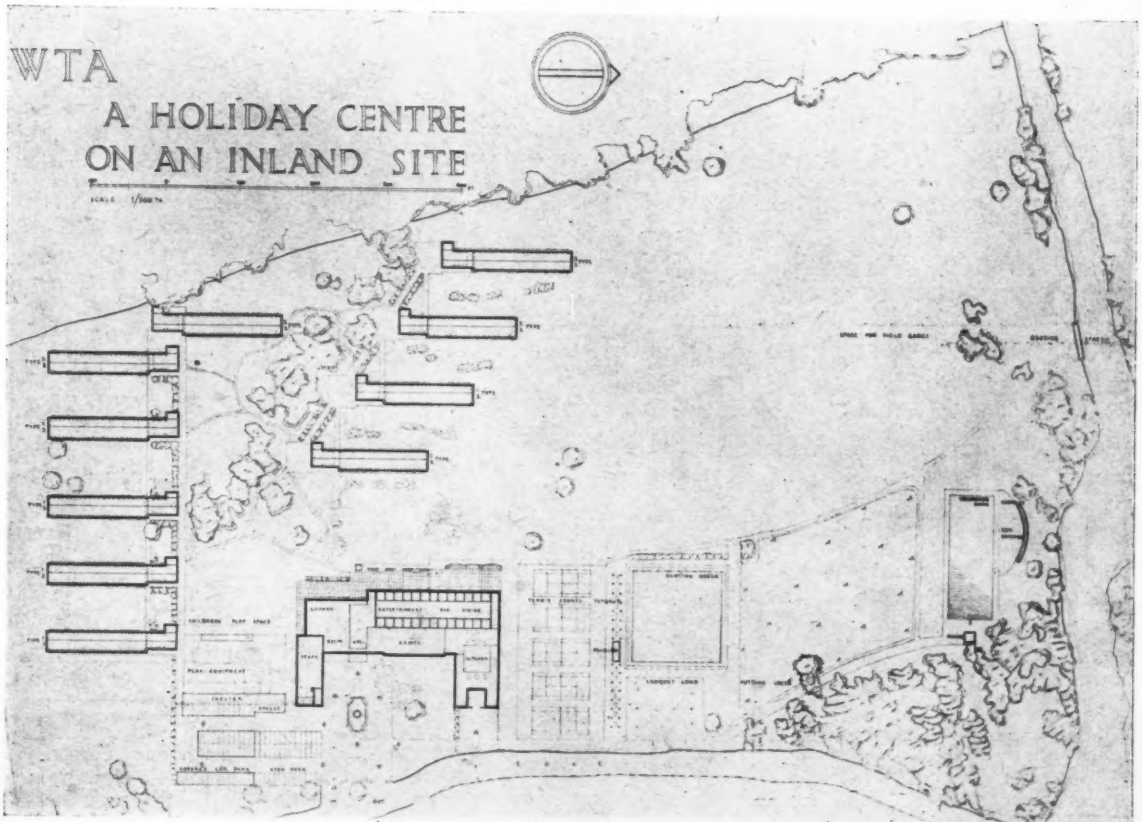


Typical Dormitory Block.

No. 10 (a) SECOND PRIZE: Coastal Holiday Centre: Layout
G. W. Nightingale and H. G. Pickering.



No. 48 (b) SECOND PRIZE: Inland Holiday Centre: Layout
F. Chippindale, T. le Briero and H. W. Rosenthal.



INFORMATION CENTRE

The function of this feature is to supply an index and a digest of all current developments in planning and building technique throughout the world as recorded in technical publications, and statements of every kind whether official, private or commercial. Items are written by specialists of the highest authority who are not on the permanent staff of the Journal and views expressed are disinterested and objective. The Editors welcome information on all developments from any source, including manufacturers and contractors.

PHYSICAL PLANNING

2591 Housing

HOUSING—BRITAIN'S PROBLEM. *H. G. Clinch.* (Municipal Engineering, March 21, 1946, p. 169.) Errors of the past. Problem of Greater London. Finance of public housing. Interest rates and subsidies as a national burden. Working-class housing as a public service. Productive capacity of building industry. Present policy as accentuating past errors. Nationalization of all working class houses proposed as remedy.

The author is Chief Sanitary Inspector and Housing Officer of West Ham, and bases his arguments mainly on the Greater London area and the situation of his own Borough. He points out that the total building cost of a house, under existing methods of financing housing schemes, is far exceeded by the cost of interest on borrowed capital and on subsidies. Mr. Clinch's figures have been largely given elsewhere, but this does not reduce the validity of his arguments. The fact that economic rents for new municipal houses cannot even meet interest charges incurred, let alone building costs and annual repairs, is a disturbing one. The remedy proposed is for the State to take over all working-class houses, old and new, and proceed to run housing of the people as a social service, which he believes could be made to pay its way. Land would be owned by the Government, the buildings by the Local Authority. Such a proposal sounds far less radical and more logical as argued by Mr. Clinch, than as baldly stated here.

2592 Old People's Welfare

OLD PEOPLE'S WELFARE: A GUIDE TO PRACTICAL WORK FOR THE WELFARE OF OLD PEOPLE. *The National Old People's Welfare Committee (National Council of Social Service, 1945, 1s. 6d.)* Visiting old people. Home helps. Communal activities. Housing needs. Useful bibliography.

Recent studies in population trends show that there will be a steady increase in the proportion of old people. In 1931 there were about 4½ million persons of pensionable age or one in ten of the population. In 1961 it is estimated that there will be more than 8 million or one in 6. It is therefore very necessary to consider carefully the welfare of older citizens.

The pamphlet discusses important social welfare aspects such as visiting old people; the Home Help Scheme whereby aid is given to elderly persons in their own homes; the Communal Meals Service to alleviate present-day shopping facilities; and the provision of old people's clubs as a major community service. The needs of elderly persons in regard to housing are stressed, and it is suggested that post-war housing

schemes of every local authority should cater for these needs. It is essential that old people should not be segregated from the rest of the community, but that their dwellings should be included as part of general housing.

Reference is made to plans contained in the *Housing Manual, 1944* (HMSO, 1944, 2s. 0d.), and two additional plans are given as good examples of terrace housing for old people, together with a very useful list of particular layout points to be observed in the design of old people's accommodation. (Page 27.)

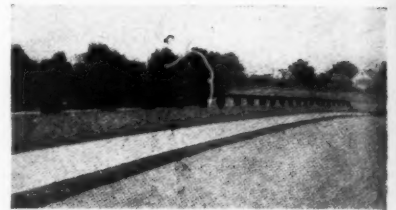
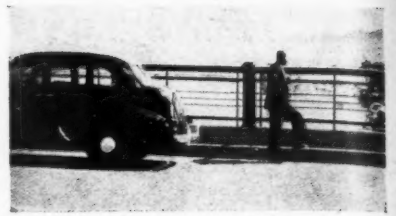
Other aspects discussed include adaptation of existing property to provide comfortable flats for the elderly, schemes with communal facilities to look after the infirm, the provision of voluntary residential homes for those who, while not bedridden, need more attention than they can receive in their own homes. Finally, it is recommended that housing associations be formed to provide housing and homes for old people.

STRUCTURE

2593 Bridge Railings

DESIGN OF BETTER BRIDGE RAILINGS. *Martin Deuterman.* (Engineering News-Record, January 10, 1946, pp. 68-71.) Safety and aesthetic requirements. Principles of designing three functional parts of the railing: curb, rails and posts.

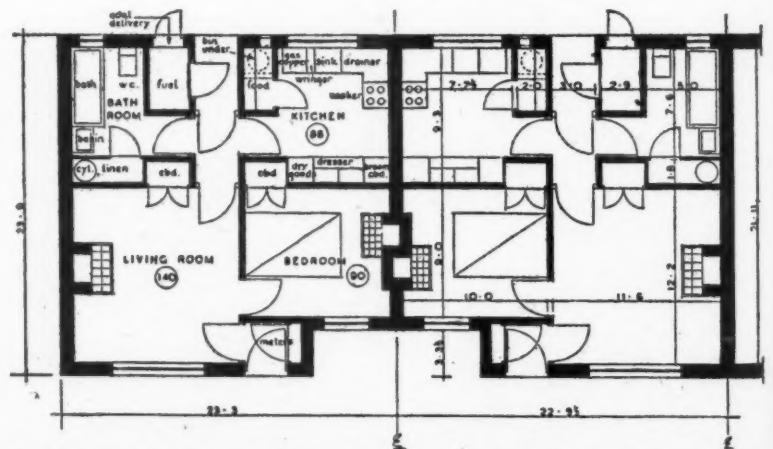
The practical considerations in the design and detail are the safety requirements, that is, the ability of the railing to withstand the forces due to collision by a vehicle with the least possible injury to occupants of



Bridge Railings in the USA. Top, the curb furnishes adequate protection to vehicles, and height of railing gives protection without spoiling the view. Centre, smooth wall provides a good barrier and design allows wide scope in treatment of top rail. Below, for rural bridges a single wide rail projecting inside the posts provides protection and is economical. See No. 2593.

the vehicle and with minimum damage to the vehicle and structure. The strength requirements have been developed from studies of barriers that have been struck by vehicles, rather than by mathematical analysis.

The curbs and lower rails are the most effective parts in restraining vehicles. A horizontal design force of 500 lb./ft. acting outward at the top of the curb is used. The upper rails are designed for 150 lb./ft. in horizontal and 100 lb./ft. in vertical direction.



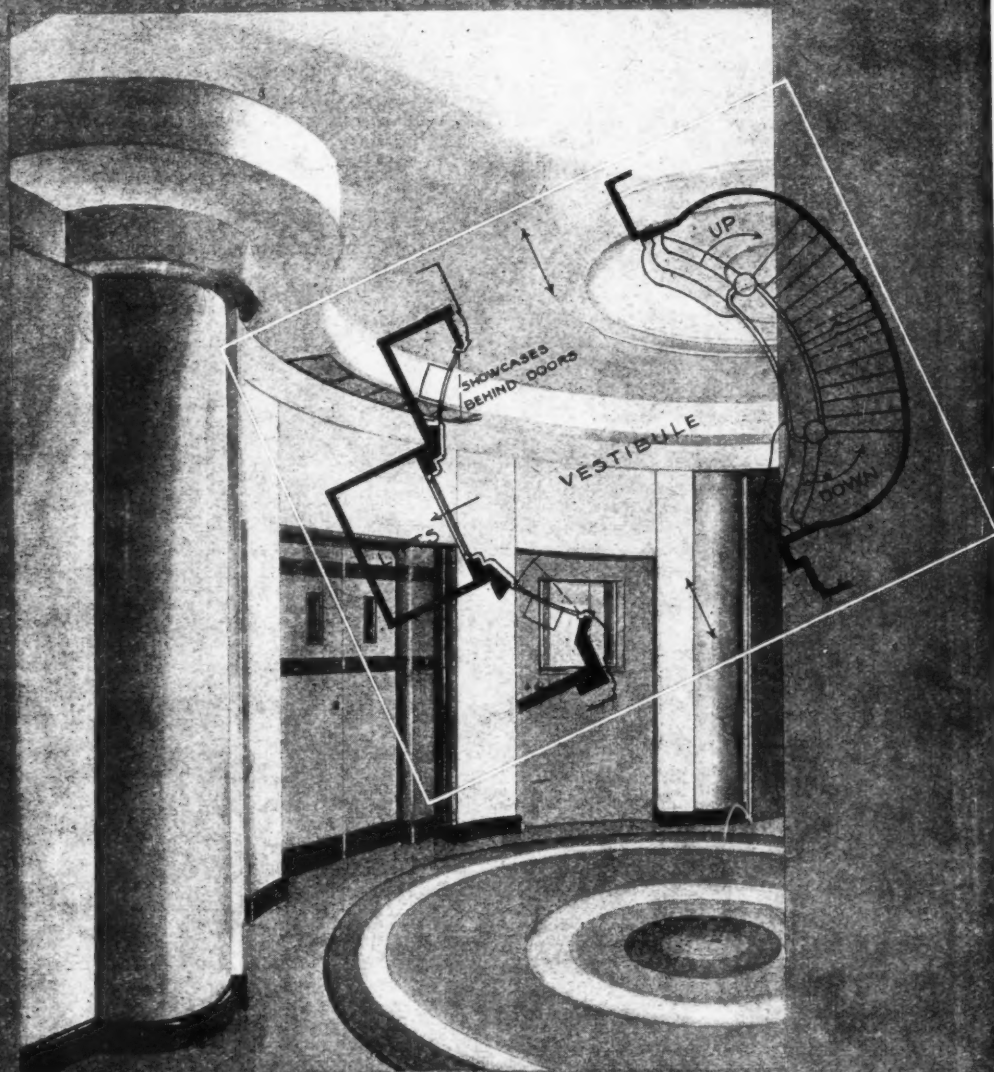
Single storey buildings for aged people in a Birmingham Housing Scheme. From *Old People's Welfare*. See No. 2592.

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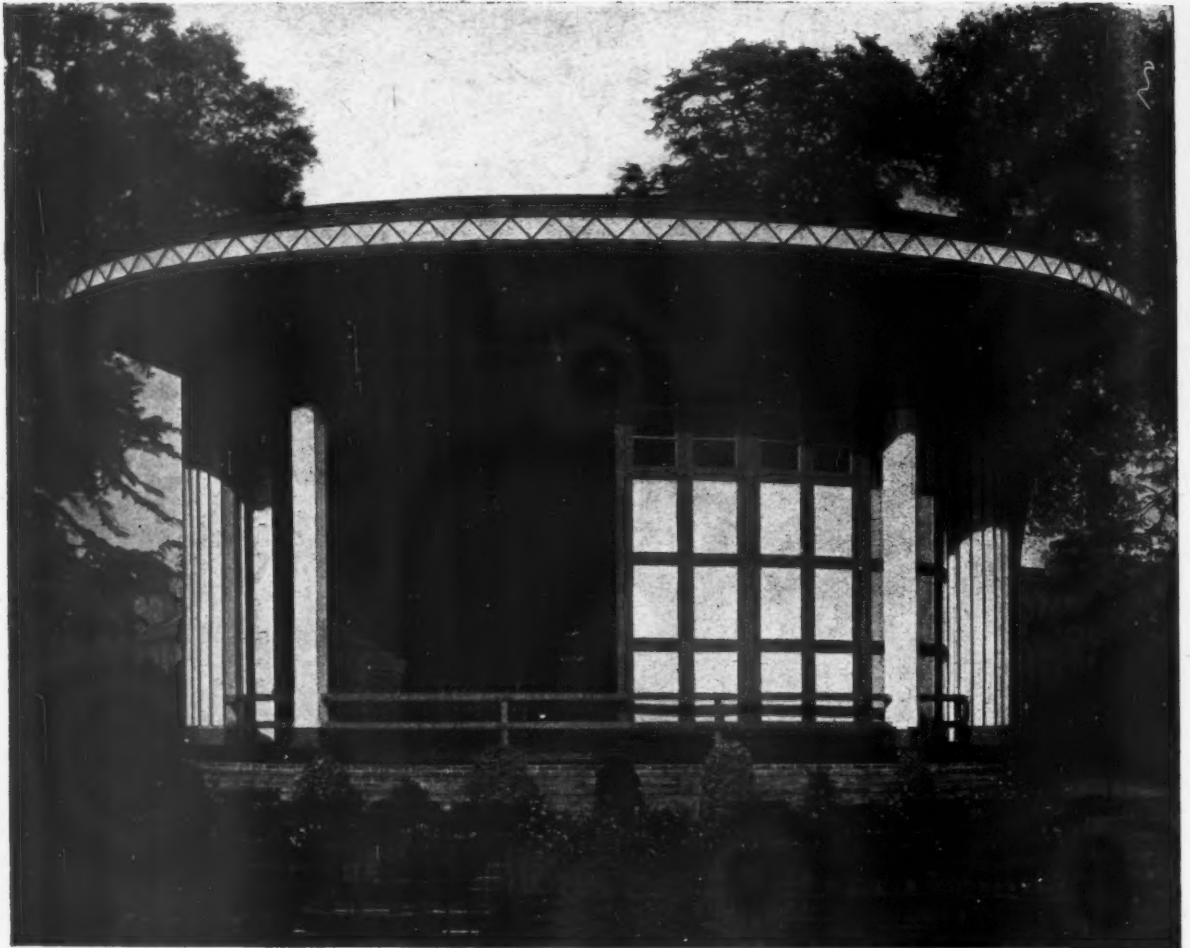


A PLAN FOR TOMORROW-TODAY

The ability to visualise the future trends in design is vested in few. It may come from inspiration—but more often it is the result of hard work and long experience. If testimony be needed of our ability to assist you to plan for the future, it will be found in the many outstanding designs for the reconstruction of shops and commercial premises we have achieved in the past.

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BANDSTAND, DERBY

Architect : C. H. ASLIN, F.R.I.B.A., Borough Architect

ESAVIAN Sliding Screens are specially constructed to give complete protection against wind and bad weather. They are easy to operate, smooth and silent in movement, and the robust design and high qualities of materials employed render them particularly suitable for use in loggias, sun parlours, bandstands, etc.

The above picture shows ESAVIAN Screens sliding before being folded out of sight through the narrow opening provided for that purpose.

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The two general types of curbs are the low, or unstepped design and the high or stepped curb. An unstepped curb should not be lower than 9 in. nor higher than 10 in. Neither should the lower step of the stepped type be higher than 10 in. These restrictions are necessary because it has been found that a greater height will damage the running boards and fenders of passenger cars.

Railings subject to highway traffic should present a continuous smooth surface on the roadway side. The lower rail must project beyond the inside face of the posts and web members. Projection of the upper rail is also preferable, but is not essential. Adequate size of members and height of railings tend to give the occupants of vehicles a feeling of security. A height of 3 ft. 3 in. above the roadway surface is the preferred minimum for the usual types of roadway railings. Under certain conditions, railings for rural bridges may be only 2 ft. 9 in. high. Railings outside sidewalks should be at least 3 ft. high above the sidewalk surface. However, this height may be reduced to 2 ft. 3 in. and still provide a feeling of security, provided the tops of the rails are relatively wide. For maximum safety of pedestrians and to prevent children from climbing through the railing, openings of not more than 8 in. width are preferred.

Cracks and bad alignment of the railing due to expansion and contraction stresses from the main structure will usually occur if the expansion joints in the railing are not properly spaced and of adequate design. In concrete railings open expansion joints are preferable to filled joints. The most frequent point of weakness of steel and timber rails is the connection of the posts to the main structure.

Railings are important elements in enhancing the appearance of a bridge. Generally it is better to accentuate the horizontal lines of the railings. Panelling and grooving may improve the appearance of some types of railing. The appearance of concrete railings can be further improved by careful design of the forms and by skillful finishing of the exposed concrete.

The obstruction of view by railings should be reduced to a minimum consistent with safety. High solid railings not only obstruct the view, but on bridges without sidewalks give an undesirable sense of confinement.

The ends of bridges are potentially

dangerous to vehicular travel due to the change of driving conditions. Widened roadways, higher way guardrails, improved reflectors and flared ends of curbs are used to increase the safety.

2594 **Underground Vaults**

HUGE UNDERGROUND VAULTS BUILT OILTIGHT. *N. A. Bowers, (Engineering News-Record, December 27, 1945, 873-877.)* Underground vaults for storage of oils built in solid rock in the Hawaiian Islands. Concrete-lined vertical cylinders 100 ft. in dia. and 250 ft. high overall, with dome-shaped ends at top and bottom. Walls prestressed.

The vaults, of which a total of 20 was built, are arranged in two parallel rows well below ground surface and with a minimum rock spacing of some 200 ft. between adjacent vaults each way. The parallel arrangement of the vaults permitted a convenient location of two access tunnels in the centre between them, with branches to each vault. The tunnel below the vaults was used for handling most of the excavated material, and in it are the oil delivery pipelines. The upper access tunnel was used for excavation and concreting of the upper domes and for ventilation.

After completing excavation for the vaults and filling in the overbreak, a steel tower was built in the centre of each one, extending from the bottom of the lower dome to the crown of the top dome. After the overbreak had been filled with shotcrete and before the steel lining was placed, the side walls were painted with a coating intended to prevent bond between concrete lining and the shotcrete or exposed rock wall. As a result of this, the joint between the concrete and the rock opened up in some places as much as 1/2 in. as a maximum. This was made up of the combined effect of the shrinkage in the concrete cylinder shell due to cooling and movement caused by the pressure of grout forced into the annular space between the cylinder walls and the surrounding rocks. This grouting was intended to fill any voids and to compress any weak areas in the rock to a required bearing strength and, at the same time, to put the inner concrete shell under prestress. Prestressing the lining was important because of the practical and economical limitations of providing sufficient reinforcement in the walls to take the hydrostatic pressure of the stored oil. Therefore the vaults were designed in such a way that most of the liquid pressure in the tank is resisted passively by the surrounding rock rather than by the reinforcement in the walls. The filling of the vault did not introduce tensile stresses in the concrete lining but merely reduced the

prestress. A very considerable saving in the amount of hoop reinforcement was thus effected. Grout pressure was applied through 1 1/2-in. pipes left embedded in the concrete walls for this purpose.

ACOUSTICS and Sound Insulation

2595 **Sound-Proof Rooms**

DEMOUNTABLE SOUND-PROOF ROOMS. *W. S. Gorton. (Journal of the Acoustical Society of America, January, 1946, p. 236.)* Steel and composition-board construction in demountable panels.

Essentially the construction consists of a special form of stud-frame lined either side with sheet steel glued to composition board. The overall thickness is 3 in. and the interspace is filled with slagwool. The familiar box-within-a-box technique is used, both the outer and inner rooms having the construction described. Between the two boxes is some more absorbent. The inner room rests on springs.

Eighteen of these rooms have been built for the Bell Telephone Laboratories in New Jersey. They are said to afford a general sound reduction of 57 db.

Two comments may be made:—
1. There is displayed a curious faith in the use of sound absorbents for insulation, largely and long ago abandoned among technical people in this country.

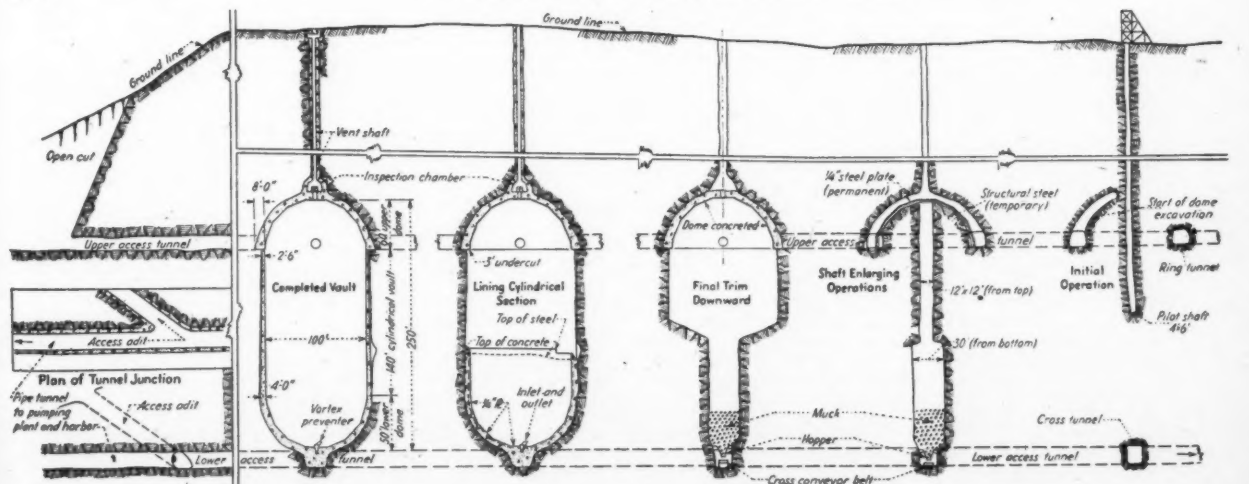
And 2. The construction is needlessly elaborate, and presumably costly, for the insulation obtained.

2596 **Sound Absorbents**

THE EFFECT OF POSITION ON THE ACOUSTICAL ABSORPTION BY A PATCH OF MATERIAL IN A ROOM. *C. M. Harris. (Journal of the Acoustical Society of America, January, 1946, p. 242.)* Absorbents best placed at corners or edges of rooms.

This is a theoretical analysis of a practical point. Sound absorbents applied to walls are most efficient where the pressure of sound is greatest. For rectangular rooms with hard walls the average pressure will be highest at or close to the corners, and next highest along the edges between two walls or between walls and ceiling. At these positions a patch of material mounted on a wall will be most effective in the absorption of sound.

Below, step by step procedure in excavating and lining the huge underground oil storage vaults in the Hawaiian Islands. See No. 2594.



2597

Music in Healing

THE PLACE OF MUSIC IN HEALING. *H. Burriss-Meyer and R. L. Cardinell. (Journal of the Acoustical Society of America, January, 1946, p. 232.)* Survey of present use. Summary of studies. Suggested approach.

Apparently the use of music in American hospitals is increasing rapidly. Two recent surveys enable the authors to summarize the present position somewhat as follows:—

1. Music is generally accepted as desirable in hospitals.

2. No one knows quite what to do with it.

3. Few medical men will countenance use of the term music-therapy.

In Mental Hospitals no less than 92 per cent. appear to use music.

There is a general description of agencies supplying music, of the methods of supervision used in controlling it, and some efforts at a general investigation of therapeutic effects. Four instances of the latter are quoted, one of which may be mentioned here as typical. In one of two wards filled with psychoneurotic patients, recorded slumber music was introduced and the amount of drugs necessary to get the patients to sleep fell off markedly as compared with the other.

Some of the proved medical effects of music are cited, such as:—

1. Increased metabolism.

2. Affects muscular energy.

3. Marked but variable effects on blood volume, pulse, blood pressure.

4. Accelerates breathing and decreases its regularity.

5. Reduces fatigue and increases muscular endurance.

6. Speeds up voluntary activities such as typing or writing.

7. Increases extent of muscular reflexes employed in writing, drawing, etc.

And so on. In each case the source of the research is indicated.

The authors' suggestions for an approach to studies of this kind are firstly that we must learn to define musical effects more precisely; next, the conditions under which music is applied must be controlled; and finally the techniques of measurement and study have to be improved.

The article is reminiscent of the success of music in factories in this country, and it is evident that they are going to pursue this line of thought in America.

QUESTIONS

and Answers

THE Information Centre answers any question about architecture, building, or the professions and trades within the building industry. It does so free of charge, and its help is available to any member of the industry. Answers are sent direct to enquirers as soon as they have been prepared. The service is confidential, and in no case is the identity of an enquirer disclosed to a third party. Questions should be sent to: THE ARCHITECTS' JOURNAL, 13, Queen Anne's Gate, Westminster, S.W.1.

2598

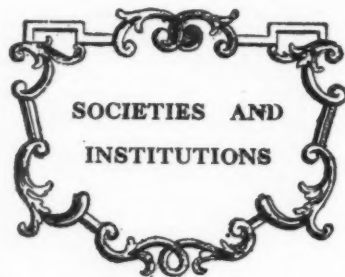
Split Ring Connectors

Q We read with interest the article by Mr. David Pleydell Bouverie and Report No. 2,397 of the Information Centre in the ARCHITECTS' JOURNAL of February 21, 1946, describing the Teco Split Ring Connectors. Can you let us have further details of these, or else put us in touch with a supplier?

Your report appears to indicate that there is not a patent covering the manufacture of these rings, but we should like to have confirmation of this point as far as both American and British patents are concerned.

A The Teco Split Ring is covered by patents both in this country and in America. The suppliers are MacAndrew & Forbes, 2, Caston Street, London, S.W.1.

Other types of the connector not covered by patents have been made from time to time, but so far as we know the Teco is the most widely used and, we believe, the most satisfactory.



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

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The following members have notified the RIBA that they have been released from the Services and are resuming practice and would like to receive trade catalogues, information sheets and other data.

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Publications Received

- The Building Industry: Its Work and Organization.* Leslie Wallis. (J. M. Dent, 3s. 6d.)
- Building Societies & Their Future.* E. C. Fairchild. (J. M. Dent, 3s. 6d.)
- What Housing Costs.* Walter Hill. (J. M. Dent, 3s. 6d.)
- Polish School of Architecture, 1942-45.* (University of Liverpool, 30s.)
- Conversion of Existing Houses.* (HMSO, 1s.)
- Proposals for a Greater London Water Area.* (Metropolitan Water Board.)
- Overture: Future Books.* (Leathley Publications, 5s.)
- Post-War Britain.* Sir James Merchant. (Eyre & Spottiswoode, 12s. 6d.)
- Railway Engineering Abstracts.* (The Institution of Civil Engineering.)
- Garden Cities of To-morrow.* Ebenezer Howard. (Faber & Faber, 6s.)
- Second Review of Recent Progress.* (The Reinforced Concrete Association, 1s. 6d.)
- To-morrow's Houses.* John Madge. (Pilot Press, 18s.)
- Civil Engineering as a Career.* (The Institution of Civil Engineers, 1s.)
- Old People's Welfare.* (The National Council of Social Service, 1s. 6d.)
- An Experimental Fishery Survey in Trinidad, Tobago, and British Guiana.* Richard T. Whittleather and Herbert H. Brown. (Colonial Office.)
- British Restaurants.* (Oxford University Press, 3s. 6d.)
- Timber Pests.* (Timber Development Association.)
- New Era Pamphlets: Planning Local Prosperity.* K. G. Fenelon. (Art & Educational Publishers, 1s. 6d.)
- Civic and Memorial Lettering.* Percy J. Deft Smith. (A. & C. Black, 10s. 6d.)
- Prizes and Studentship, 1946-1947.* (RIBA, 2s.)
- Physical Survey of Merseyside.* Wilfred Smith. (University Press of Liverpool, 5s.)
- Handbook of Perspective.* W. G. Warren. (Crosby Lockwood, 10s.)
- Green-Belt Cities.* F. J. Osborn. (Faber & Faber, 12s. 6d.)
- The Behaviour of Stanchions Bent in Single Curvature.* Professor J. F. Baker and J. W. Roderick. (British Welding Research Association, 5s.)
- The History of Warwick—Volume III.* L. F. Salzman. (Oxford University Press, 42s.)
- England and the Mediterranean Tradition.* Edited by Courtauld and Warburg Institute. (Oxford University Press, 42s.)
- The Methodist Church Builds Again.* E. Benson Perkins and Albert Hearn. (Epworth Press, 6s.)
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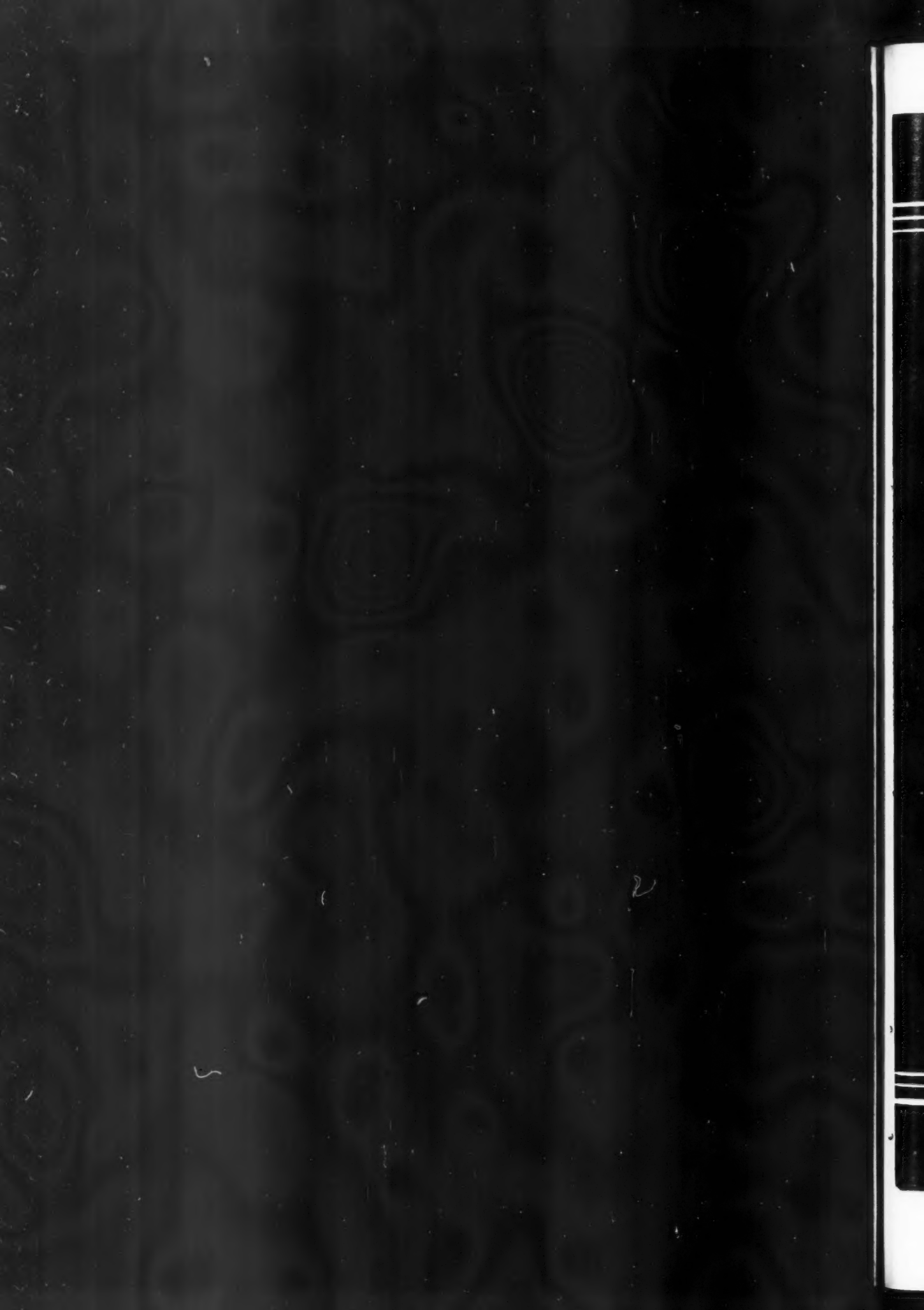
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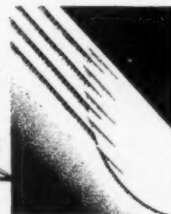
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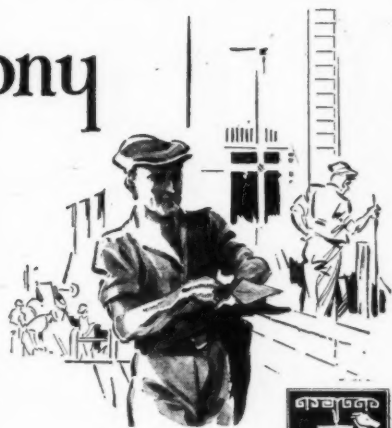
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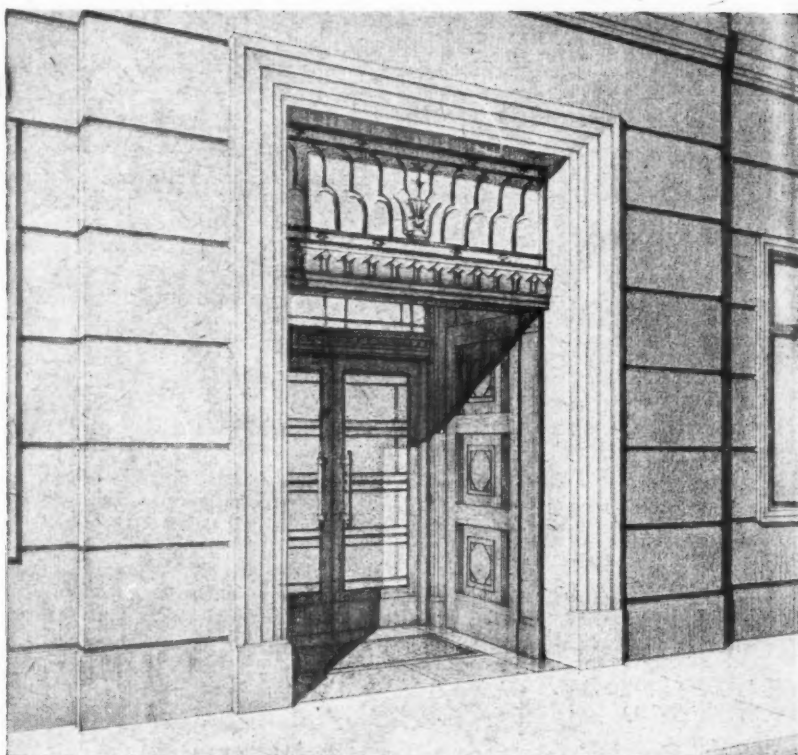
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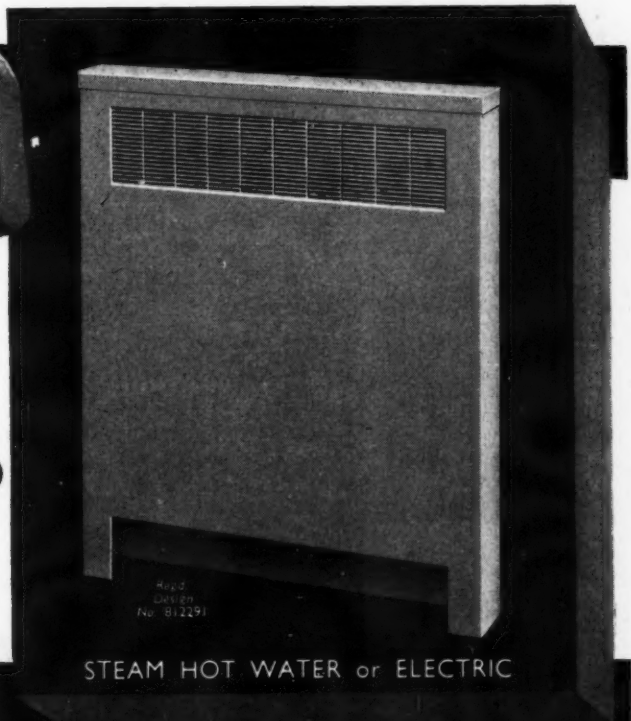
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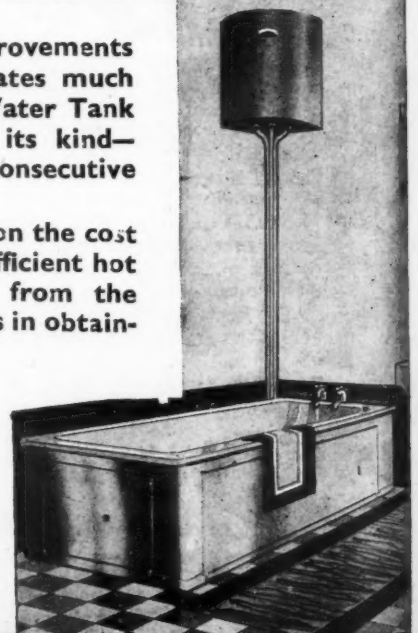
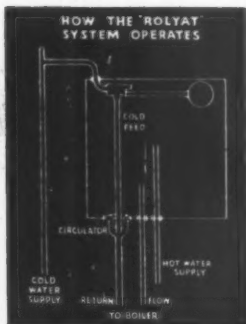
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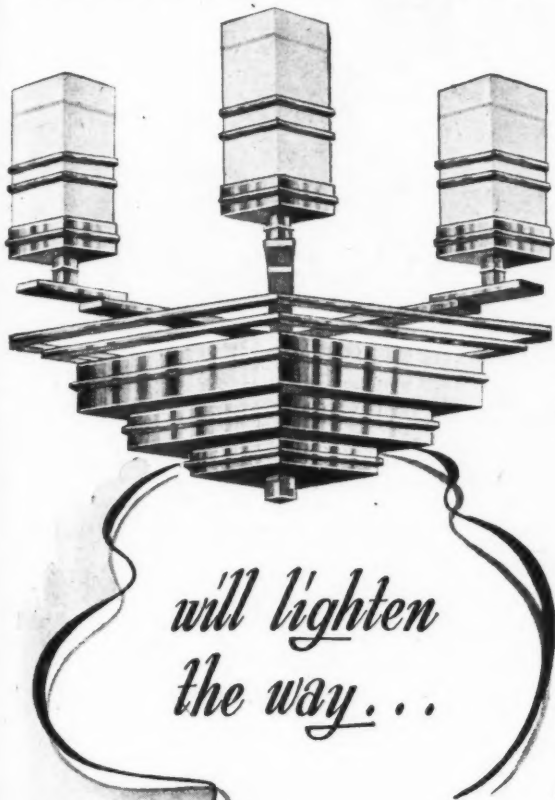


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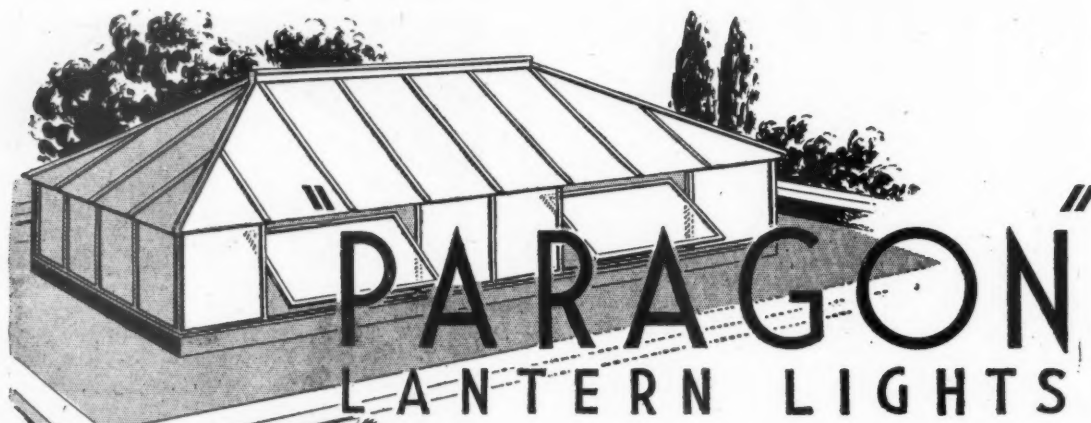
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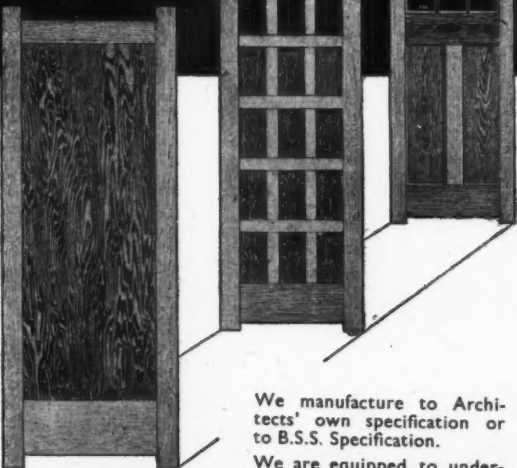
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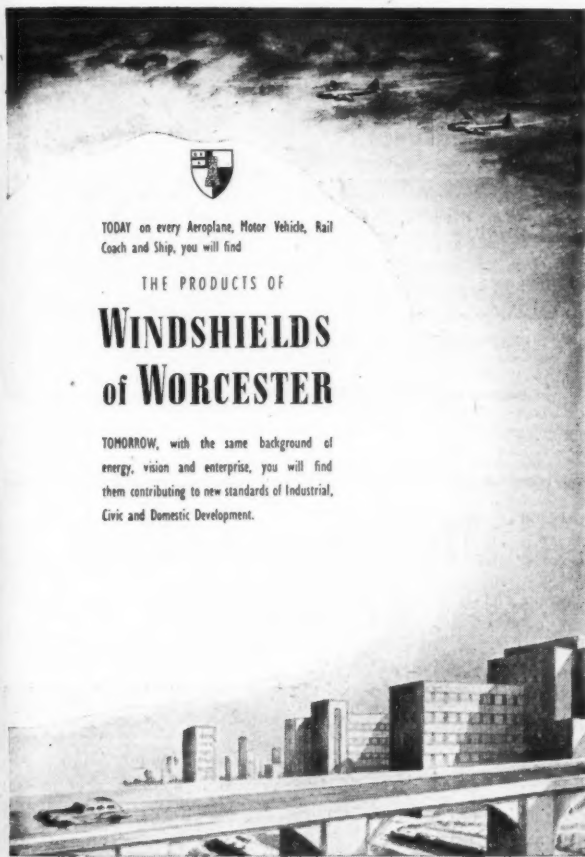
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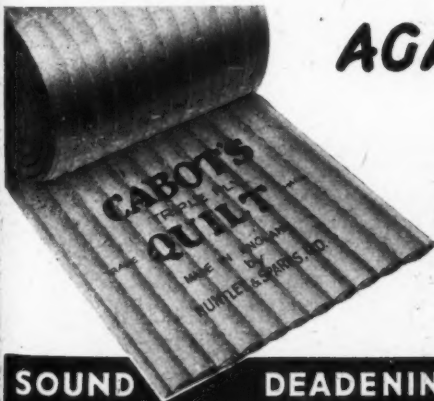
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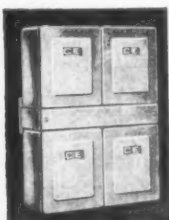
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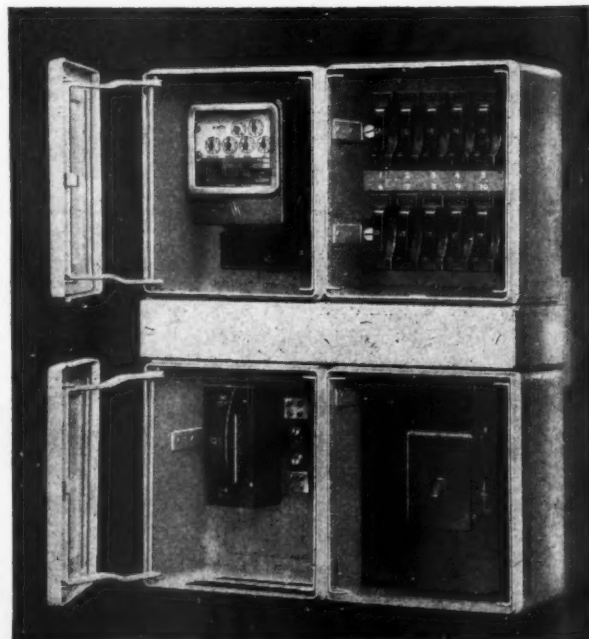
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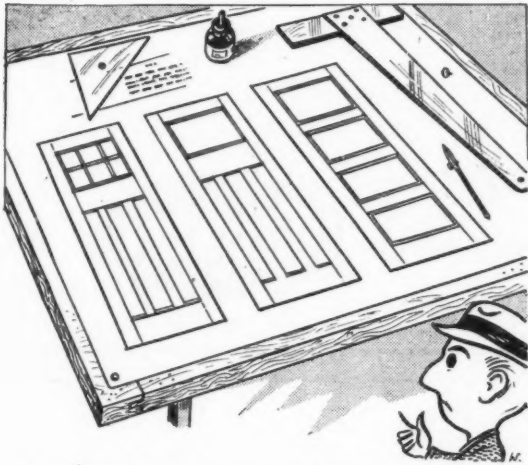
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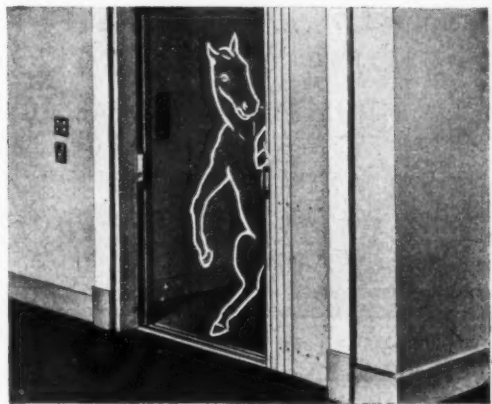
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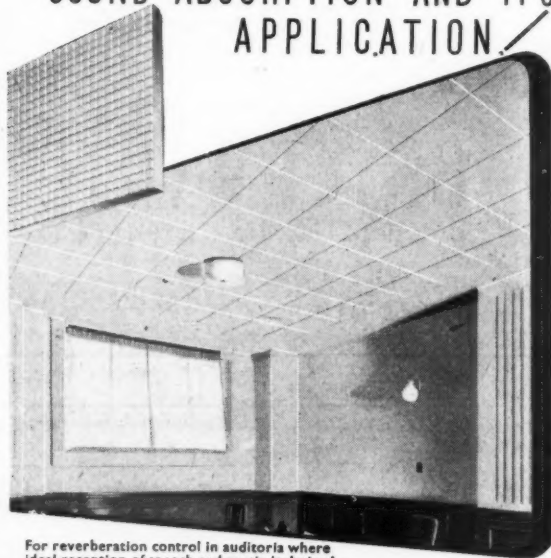
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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," War Address: 45 The Avenue, Cheam, Surrey, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

Replies to Box Numbers should be addressed care of "The Architects' Journal," War Address: 45 The Avenue, Cheam, Surrey.

Public and Official Announcements

Six 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, RAYN PLACE, LONDON, S.W.1. TEL.: SLOANE 5615. 991

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Head: E. F. DAVIES, B.Arch. (LimpL), F.R.I.B.A., F.R.I.A.S.

JUNIOR LECTURER AND STUDIO INSTRUCTOR.

Applications are invited for the post of Full-time Junior Lecturer and Studio Instructor in Architectural Design and Constructional Subjects. Special qualifications in Architectural Design and Town Planning will be an additional recommendation.

The School is recognized for purposes of exemption from the R.I.B.A. Intermediate and Final Examinations.

Candidates must be Associates of the Royal Institute of British Architects, and should possess a degree or diploma of a recognized School of Architects.

Salary: Men, £400 by £15 to £595; women, £350 by £15 to £490. Initial placing according to qualifications and experience.

The successful applicant will normally be expected to take up duty on 1st September, 1946, but consideration will be given to applications received from men who may still be on National Service at that date. Applications, accompanied by copies of testimonials and the names of three referees, should be sent to the undersigned not later than Monday, 1st July, 1946.

A. C. WEST, Director. 841

BOROUGH OF WREXHAM.

HOUSING ARCHITECTURAL DEPARTMENT.

Applications are invited for the following temporary appointments intended for duties concerned with the development of the Council's Housing Estates: the salaries are inclusive of cost-of-living bonus.

(1) HOUSING ARCHITECT. Salary £800 per annum (including £59 16s. cost-of-living bonus).

Applicants should be members of the Royal Institute of British Architects, and have a thorough knowledge of architectural work. Practical experience in the development of housing estates, the design of houses, and of the organization of an Architect's Department is necessary.

(2) QUANTITY SURVEYOR. Salary £510 per annum (including £59 16s. cost-of-living bonus).

Applicants should be members by examination of the Royal Chartered Surveyors' Institution (Quantities Section), and have had experience in the preparation of bills of quantities and estimates, measurement and adjustment of final accounts.

(3) ARCHITECTURAL DRAUGHTSMAN. Salary £350 per annum (including £59 16s. cost-of-living bonus).

Applicants should have had experience in an Architect's office, and must be neat architectural draughtsmen.

The persons appointed will be required to devote the whole of their time to the duties relating to their appointments. The appointments are subject to the Council's Standing Orders and to the successful candidates passing a medical examination, and are terminable as to the Housing Architect by three months' and the two other appointments by one month's notice in writing on either side.

Further particulars and conditions of appointment may be obtained from the undersigned, to whom applications, together with copies of two recent testimonials, are to be forwarded by not later than 28th June, 1946.

Canvassing, directly or indirectly, will disqualify.

PHILIP J. WALTERS, Town Clerk. 847

Guildhall, Wrexham.
5th June, 1946.

BOROUGH OF LUTON.

BOROUGH ENGINEER'S DEPARTMENT.

APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Senior Architectural Assistant, in the Borough Engineer's Department, at a commencing annual salary of £535, rising by two annual increments of £20 and one of £25 to a maximum of £600 per annum, plus cost-of-living bonus, the present rate being £59 16s. per annum. The appointment will be temporary in the first instance, with the prospect of transfer to the permanent staff, and will be subject to the provisions of the Local Government Superannuation Act, 1937. It may be possible to provide housing accommodation for the successful applicant within a reasonable time of the appointment being taken up.

Applicants must be A.R.I.B.A., and have had extensive experience of architectural work, particularly in the design and construction of schools and development of housing estates.

Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, should be delivered, endorsed "Senior Architectural Assistant," to the Borough Engineer, Town Hall, Luton, not later than Wednesday, the 26th June, 1946. Canvassing, either directly or indirectly, will disqualify.

W. H. ROBINSON, Town Clerk. 844

Town Hall, Luton.
4th June, 1946.

LINDSEY (LINGS) COUNTY COUNCIL.

Applications are invited for the following positions in the County Architect's Office:—

(a) SENIOR QUANTITY SURVEYOR. Salary offered is APT. Grade 5, £460 per annum, rising to £510, with cost-of-living bonus in addition, at present £59 16s. per annum. Applicants should be Professional Associate Members of the Chartered Surveyors' Institution, and be experienced in the preparation of Bills of Quantities and Public Buildings, etc. It is desirable that the successful candidate should provide his own car, for which he would receive an allowance for an 8 h.p. car on the Council's scale.

(b) JUNIOR ASSISTANT QUANTITY SURVEYOR. Salary offered is APT. Grade 1, £330 per annum, rising to £375, with cost-of-living bonus in addition. Applicants should have passed the Intermediate Examination of the Chartered Surveyors' Institution, and be capable of squaring, abstracting and billing, and of taking off for small works.

Successful candidates will be required to pass a medical examination.

Application by letter only, accompanied by three recent testimonials, to be received by the undersigned not later than 28th June, 1946.

PHILIP W. BIRKETT, County Architect. 843

County Offices, Lincoln.

Advertisement No. 1.

COUNTY BOROUGH OF BLACKBURN.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) SENIOR ARCHITECTURAL ASSISTANT. Grade VII. Salary £575-£650 (by 3 increments of £20, £20 and £25).

(b) ARCHITECTURAL ASSISTANT. Grade V. Salary £460-510 (by 3 increments of £15, £15 and £20).

(c) ARCHITECTURAL ASSISTANT. Grade III. Salary £390-£435 (by 3 increments of £15).

(d) ARCHITECTURAL ASSISTANT. Grade II. Salary £360-£405 (by 3 increments of £15).

(e) ASSISTANT QUANTITY SURVEYOR. Grade V. Salary £460-£510 (by 3 increments of £15, £15 and £20).

The salary for each of these posts will also be subject to the addition of a bonus, at present £59 16s. per annum.

Applicants for the architectural appointments must be registered architects, and preference will be given to Associate Members of the Royal Institute of British Architects.

Those for the post of Senior Architectural Assistant (a) must have considerable experience in the design and construction of schools and other educational buildings.

Those for the posts of architectural assistants b, c and d, must have good general experience in the design and construction of public and municipal buildings.

Those for the post of Quantity Surveyor (e) must have experience in the preparation of Bills of quantities. Specifications, Estimates and the settlement of final accounts.

Preference will be given to Professional Associates of the Chartered Surveyors' Institution. Applications, appropriately endorsed, stating age, qualifications, experience, present and past appointments, together with not more than 3 recent testimonials, should be delivered to the Borough Engineer and Surveyor, Town Hall, Blackburn, not later than the 8th July, 1946.

CHAS. S. ROBINSON, Town Clerk. 868

NORTHERN POLYTECHNIC, HOLLOWAY, N.7.

The Governing Body invite immediate application for appointment to the full-time staff of the School of Architecture as (a) Studio Master in Design and (b) Lecturer on Building Construction, Working Drawings & Materials. Applicants should be Fellows or Associates of the Royal Institute of British Architects and should preferably have been trained in a recognised vantage, but it is not essential will be an advantage, but it is not essential. Duties will commence on the 1st September, 1946. Burnham (Technical) Scale Salary.

Members of the staff of the School are afforded reasonable opportunities for practice and research.

Forms of application, together with full particulars, will be forwarded on receipt of a stamped, addressed foolscap envelope.

R. H. CURRELL, Clerk. 852

COUNTY BOROUGH OF HALIFAX.

BOROUGH ENGINEER'S DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECT.

Applications are invited for the appointment of an Assistant Architect, at a salary of £390, rising to £425 per annum, plus cost of living bonus, at present £59 16s.

Applicants must be fully trained Architects and good Draughtsmen, experienced in the preparation of plans, working drawing, details and specifications, and be capable of preparing estimates, also surveying and levelling, and preference will be given to candidates who have had experience of housing works in progress, the preparation of bills of quantities and the checking of Contractors' Claims for payment.

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

Applications, stating age, qualifications and details of experience, accompanied by 3 recent testimonials and endorsed "Assistant Architect," should be sent to the undersigned not later than first post Monday, July 1st, 1946.

W. USHER, Town Clerk. 854

Town Hall, Halifax.
6th June, 1946.

COUNTY OF DORSET.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff, at salaries in accordance with the Administrative, Professional and Technical Division of the National Scales of Salaries:—

(a) TWO ASSISTANT ARCHITECTS (Grade III-V). Salary £390-£510.

(b) TWO CLERKS OF WORKS (Grade III). Salary £390-£435.

(c) FOUR JUNIOR ARCHITECTURAL ASSISTANTS (Grade I). Salary £330-£375.

(d) ONE JUNIOR QUANTITIES AND ACCOUNTS ASSISTANT (Grade I). Salary £330-£375.

(e) FOUR IMPROVERS-ARCHITECTURAL. Salary £160-£245, according to age.

Plus the appropriate cost-of-living bonus. Applicants for (a) must be registered Architects, and have passed the final examination of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have had experience in architectural work undertaken by a Local Authority, especially in the design of Educational buildings.

(b) Should have a sound knowledge of all building trades, and experience in the preparation of specifications for maintenance work.

(c) Must have passed the intermediate examination of the R.I.B.A., and preferably have had experience in Architectural work undertaken by a Local Authority, including the preparation of working and detail drawings.

(d) Should have had experience either (i) as an estimating clerk in a Builder's Office undertaking Public works, or (ii) as an assistant in a Quantity Surveyor's Office, and should be familiar with current building prices and checking of Contractors' accounts.

(e) Must have had previous experience in trading and in the preparation of surveys of sites and existing buildings.

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

Applications, on forms to be obtained from the undersigned, should be sent to the Clerk of the County Council so as to be received not later than Saturday, the 29th June, 1946.

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

C. P. BRUTTON, Clerk of the County Council. 858

Shire Hall, Dorchester.
31st May, 1946.

**AMENDED ADVERTISEMENT.
CITY OF LIVERPOOL.**

**APPOINTMENT OF DEPUTY CITY
ARCHITECT AND DIRECTOR OF HOUSING.**

The Council of the City of Liverpool invite applications from registered architects who are members of the Royal Institute of British Architects for the position of Deputy City Architect and Director of Housing, at a salary of £1,500 per annum.

Applicants, whose age must not exceed 45 years (not 40, as previously advertised), must have had professional and administrative experience, preferably in local or central government service. Candidates who applied in response to the original advertisement need not submit fresh applications.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the Standing Orders of the City Council, which include requirements to pass a medical examination, to devote whole time to the duties of the appointment and to reside within the City.

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

Applications, on forms to be obtained from this office, accompanied by copies of three recent testimonials, must be addressed to me (endorsed "Deputy City Architect and Director of Housing"), and should be received on or before Monday, the 1st July, 1946.

Candidates serving in H.M. Forces abroad need not complete the official form of application, but may submit direct applications within the date specified, giving particulars of age, education, qualifications and experiences, and three names as references. The number of the applicant's release group and probable date of release should also be stated.

Canvassing of members of the City Council, either directly or indirectly, will be a disqualification.

W. H. BAINES,
Town Clerk.

Municipal Buildings, Dale Street,
Liverpool, 2. 874
7th June, 1946.

GOVERNMENT OF INDIA.

The High Commissioner for India invites applications for the post of Senior Architect (Educational Buildings) in the Central Public Works Department, Government of India.

Candidates must be Fellows or Associates of the R.I.B.A. with at least ten years' experience in an Architect's Office after qualifying. Special experience in designing Technical Colleges, Institutes and other Educational Buildings essential. Age between 35 and 45.

Appointment on contract for three years. Salary at flat rate of Rs. 1,400 per month. (£1,260 p.a.), plus dearness allowance and for candidate of Non-Asiatic domicile, £30 per month Overseas Pay. Leave. Free passages to and from India and if married for family.

Further particulars and forms of applications may be obtained on request (by postcard) from the Office of the High Commissioner for India, General Department, India House, Aldwych, W.C.2.

Last date for receipt of application, 6th July, 1946. 873

BOROUGH OF ERITH.

**APPOINTMENT OF TWO TEMPORARY
PLANNING ASSISTANTS.**

Applications are invited for the above appointments on the staff of the Borough Engineer & Surveyor at a salary each in accordance with the National Scale A.P.T.I. commencing at £330, rising by annual increments of £15, to a maximum of £375 per annum, plus London area weighting £20, plus war bonus, at present £59 16s. per annum (present total £409 16s. per annum).

Candidates should have had experience in the preparation of planning schemes, and preference will be given to holders of the Intermediate Examination Certificate of the Town Planning Institute.

The persons appointed will be required to work under the direction of the Senior Town Planning Assistant, in the preparation of a complete Civic Survey and new planning proposals for the Borough.

The appointments will be subject to the National Conditions of Service, to the Council's regulations governing temporary staff, to one month's notice in writing on either side, and to the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Applications must be on the form to be obtained from the Borough Engineer & Surveyor, Council Offices, Erith, Kent, and be delivered to him not later than Monday, the 8th day of July, 1946.

Canvassing either directly or indirectly will disqualify.

J. A. CROMPTON,
Town Clerk.

Council Offices, Erith.
7th June, 1946. 870

COUNTY BOROUGH OF BOLTON.

APPLICATIONS are invited for the following appointments in the Borough Engineer and Surveyor's Department:—

(a) **QUANTITY SURVEYING ASSISTANT,** Grade IV, A.P.T. Division, of the National Joint Council Salary Scales, i.e., £420—465 per annum, plus cost of living bonus, at present £59 19s. per annum.

(b) **QUANTITY SURVEYING ASSISTANT,** Grade II, A.P.T. Division of the National Joint Council Salary Scales, i.e., £360—405 per annum, plus cost of living bonus, at present £59 19s. per annum.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the selected candidates passing satisfactorily a medical examination.

Applicants should possess a good knowledge of building prices and have had considerable experience in taking off, abstracting and billing of quantities and the adjustment and settlement of contractors' final accounts. Preference will be given to applicants who are Professional Associates of the Surveyor's Institution (Quantities Section).

The selected candidates will be required to work under the direction of the Chief Architectural Assistant.

Applications, stating age, training, qualifications and experience, together with copies of not more than three recent testimonials, to be delivered to the undersigned not later than 10 a.m. on Monday, 8th July, 1946.

Envelopes containing applications should be endorsed Quantity Surveying Assistant, Grade II or IV, as the case may be.

Canvassing will be deemed a disqualification.
PHILIP RENNISON,
Town Clerk.

Town Hall, Bolton.
6th June, 1946. 865

BOROUGH OF TWICKENHAM.

BOROUGH SURVEYOR'S DEPARTMENT.

Appointment of (A) Assistant Borough Architect, (B) Two Senior Architectural Assistants.

The salaries applicable to the appointments are as follows—POST A—£700/25/800 per annum (plus war bonus).

POSTS B—£440/15/530 per annum (plus war bonus), in accordance with grades IV/V of the National Council's Grade of Salaries.

Applicants for Post A should hold the qualification of F.R.I.B.A. or A.R.I.B.A., and should have had extensive experience in all types of houses, etc., and Municipal buildings. In addition considerable administration experience is essential.

Applicants for Post B shall have an approved architectural qualification and Municipal experience will be considered an advantage.

Successful applicants will be required to contribute to the Council's Superannuation Scheme and to pass the required medical examination. The appointments are subject to the Corporation's Conditions of Service, and applications should be received by the Borough Engineer, Municipal Offices, Twickenham, not later than 10 a.m. on Tuesday, 25th June, 1946.

W. H. JONES,
Town Clerk.

Municipal Buildings, York House,
Twickenham. 878
7th June, 1946.

MANCHESTER MUNICIPAL

COLLEGE OF TECHNOLOGY.

(FACULTY OF TECHNOLOGY IN THE UNIVERSITY OF MANCHESTER).

Appointment of

(a) **LECTURER IN STRUCTURAL ENGINEERING.**

(b) **ASSISTANT LECTURER IN BUILDING.** The Governing Body invites applications for:—
(a) A **LECTURESHIP IN STRUCTURAL ENGINEERING**, with the title and status of Lecturer in the University of Manchester.

Candidates should be Associate Members of the Institution of Civil Engineers or Institution of Structural Engineers, and preferably should have had some teaching experience.

Present salary scale: £477 per annum, rising by annual increments of £15 to £602 per annum. Commencing salary according to qualifications.

(b) AN **ASSISTANT LECTURESHIP IN BUILDING**, with the title and status of Assistant Lecturer in the University of Manchester.

Candidates should be Associates of the R.I.B.A. with good professional experience.

Present salary scale: £352 per annum, rising by annual increments of £25 to £452 per annum. Commencing salary according to qualifications.

The above salary scales are, however, subject to additions which are now awaiting Ministry approval. Superannuation is covered by the F.S.S.U. scheme.

Conditions of appointment and forms of application may be obtained from The Registrar, College of Technology, Manchester, 1. The last day for the receipt of applications is 25th June, 1946.

Canvassing, either directly or indirectly, will disqualify a candidate for appointment.

J. E. MYERS,
Principal of the College. 864

COUNTY BOROUGH OF CANTERBURY.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following Appointments in the City Architect's Department:—

1. Senior Assistant Architect (permanent), Grade IV, salary of £420 x £15—£465 per annum.

Applicants must be A.R.I.B.A., and preference will be given to those trained at a recognised School of Architecture, who have a contemporary outlook and experience of working on educational buildings. Previous local Authority experience is not essential.

2. Architectural Assistant (temporary), Grade III, salary of £390 x £15—£435 per annum.

Applicants must be A.R.I.B.A., and should have had experience on educational buildings.

3. Architectural Assistant (temporary) Grade I, salary of £330 x £15—£375 per annum.

Preference will be given to applicants who are A.R.I.B.A., and have some experience of housing work.

Cost of living bonus at present £59 16s. per annum is payable on all the above salaries.

The appointments are subject to the Local Government Superannuation Act, 1937, and successful candidates will be required to pass a medical examination. Service will be terminated by one month's notice on either side.

Applications, stating age, qualifications and experience, together with the names of three persons to whom reference may be made, should be forwarded to the City Architect, Mr. L. Hugh Wilson, A.R.I.B.A., A.M.T.P.I., Municipal Buildings, Dane John, Canterbury, not later than Saturday, 6th July, 1946.

J. BOYLE,
Town Clerk.

Municipal Buildings, Canterbury. 855
6th June, 1946.

COUNTY BOROUGH OF GREAT YARMOUTH.

**APPOINTMENT OF SENIOR TOWN
PLANNING ASSISTANT AND TOWN
PLANNING ASSISTANT.**

Applications are invited for the appointment of:—

(a) Senior Town Planning Assistant at a salary of £420 per annum rising to £465 per annum, and

(b) Town Planning Assistant at a salary of £390 per annum rising to £435 per annum.

Each of the appointments is subject to a cost of living bonus, which is at present £59 16s. per annum.

Applicants for the post of Senior Town Planning Assistant should have had experience in the preparation and administration of planning and reconstruction schemes, and they must be Corporate Members of the Town Planning Institute.

Applicants for the position of Town Planning Assistant should have had experience in Municipal Estates duties, especially as connected with planning and reconstruction, and should be Corporate Members of the Chartered Surveyors' Institution.

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

Applications, stating age, qualifications, experience, present and previous appointments, and accompanied by copies of three recent testimonials, must reach the undersigned not later than the 2nd July, 1946, endorsed "Senior Town Planning Assistant" or "Town Planning Assistant" as the case may be.

Canvassing either directly or indirectly will be a disqualification and candidates must disclose when making application whether to their knowledge they are related to any member or senior officer of the Council. A candidate who fails to do so will be disqualified, and if appointed will be liable to dismissal without notice.

FARRA CONWAY,
Town Clerk.

Town Hall, Great Yarmouth. 861
6th June, 1946.

BOROUGH OF TORQUAY.

BOROUGH ENGINEER'S DEPARTMENT.

**APPOINTMENT OF ASSISTANT TO
QUANTITY SURVEYOR.**

Applications are invited for the above appointment at a salary of £255 per annum rising to £300 plus cost of living bonus (at present £59 16s. per annum).

Applicants should possess a good mathematical knowledge and be accustomed to dealing with Bills of Quantities in connection with building work.

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

Applications giving details of experience, age, etc., together with copies of three recent testimonials, should be sent to The Borough Engineer, Town Hall, Torquay, by Monday, the 24th June, 1946.

(Sgd.) **HERBERT A. HIELD,**
Town Clerk.

Town Hall, Torquay.
4th June, 1946. 863

LONDON COUNTY COUNCIL.

Required in the secondary technical school of the Brixton School of Building, Ferndale Road, S.W.4, or at the annexe, Merton Road, S.W.18, to commence in September, 1946, full-time teacher of technical drawing and general building subjects. Applicants must hold the full technological certificate of the City and Guilds of London Institute or equivalent qualifications and have had at least five years' appropriate industrial experience. Teaching experience a recommendation. Burnham scale salary, £300 x £15 to £525, plus London allowance (minimum £36 a year), and additions for training and qualifications as applicable. Commencing salary according to teaching and industrial experience. Application forms from the Education Officer (T.1), County Hall, S.E.1 (stamped addressed foolscap envelope necessary), returnable by 13th July, 1946.

H.M. Forces personnel abroad should apply by letter. (1.503). 876

METROPOLITAN BOROUGH OF BETHNAL GREEN.

Three Architectural Assistants (Temporary Staff), Bethnal Green Metropolitan Borough Council, Borough Engineer & Surveyor's Department, for work in connection with post-war housing.

Candidates must have had wide experience in the preparation of designs, working drawings, specifications, and estimates. Preference will be given to Associate Members of the R.I.B.A. fully conversant with the Principal Building Acts and Regulations.

Salaries, in accordance with the A.P.T. Division, Grades VI and V of the National Scales of salaries, are as follow:—

1st Architectural Assistant, £555 rising to £620 per annum; Architectural Assistants, £480 rising to £530 per annum; plus cost-of-living bonus (at present 23s. per week).

Applications, stating age, qualifications and experience, with copies of 3 testimonials endorsed "FIRST ARCHITECTURAL ASSISTANT" or "ARCHITECTURAL ASSISTANT" as the case may be, must reach the Borough Engineer & Surveyor, Town Hall, Bethnal Green, E.2, before noon on Thursday, 4th July, 1946. 853

SALOP COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT. Salary grade £420, rising to £465 per annum.
(b) ASSISTANT ARCHITECT. Salary grade £330, rising to £375 per annum.
(c) JUNIOR ARCHITECTURAL ASSISTANT. Salary not exceeding £300 per annum, depending on age and experience of the successful candidate.

Candidates for appointment (a) must be Registered Architects, preferably Associates of the R.I.B.A., and candidates for appointments (b) and (c) should preferably have reached the intermediate stage of the R.I.B.A. All candidates should have had experience in the preparation of working and detailed drawings, specifications, etc.

(d), QUANTITY SURVEYING ASSISTANT. Salary grade £360, rising to £435 per annum.

Preference will be given to candidates who have passed the Intermediate examination of the Chartered Surveyors' Institution, and candidates should have had experience in the taking-off of quantities and measuring up for the settlement of final accounts.

(e) ENGINEER. Salary grade £460, rising to £510 per annum.

Candidates must be experienced heating engineers, able to prepare schemes and specifications for new and extension work, and preference will be given to Associate Members of the Institute of Heating and Ventilating Engineers. Experience of electrical installations, with preparation of schemes, will be an advantage.

(f) BUILDING INSPECTOR. Salary grade £360, rising to £405 per annum.

Candidates must have had practical experience of building work, and preference will be given to those who combine a knowledge of the duties of Building Inspector with previous experience in a Local Government Office.

A cost of living bonus at present £59 16s. per annum will be payable in addition to the salary scales above.

Each appointment will be subject for its termination 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 applicants will be required to pass satisfactorily a medical examination.

Applications, accompanied by copies of not more than three recent testimonials, should state age, qualifications, previous experience and the present appointment of the applicant, and must be received by Mr. A. G. Chant, P.R.I.B.A., County Architect, 5, Belmont, Shrewsbury, not later than Monday, 8th July, 1946.

G. C. GODBER, Clerk of the Council.

Shirehall, Shrewsbury.
June, 1946. 860

SURREY COUNTY COUNCIL.

APPOINTMENT OF CHIEF QUANTITY SURVEYOR.

AMENDED NOTICE.

Applications are invited for the appointment of Chief Quantity Surveyor. The salary will be £900 per annum, rising by annual increments of £25 to a maximum of £1,000 per annum.

Applicants must be Members of the Surveyors' Institution (Quantities Section), and should have a wide experience in the preparation of approximate estimates and Bills of Quantities, adjustment of accounts, and other works which are incidental to the position of Chief Quantity Surveyor in a Local Government Department. The successful applicant will be expected to possess tact and initiative, and be experienced in the control of staff.

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

Applications, stating age, full details of previous experience, and qualifications, accompanied by copies of three recent testimonials, and the names of three referees, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-on-Thames, not later than Saturday, 6th July, 1946.

DUDLEY AUKLAND,

Clerk of the Council.

County Hall,

Kingston-on-Thames. 875

COUNTY BOROUGH OF CROYDON.

SCHOOL ARCHITECT.

Applications are invited for this post from Fellows or Associates of the R.I.B.A. with good experience in School design and construction. Salary £800 per annum rising by annual increments of £25 to £900 per annum, plus cost of living bonus (at present £59 16s. per annum). Form of application may be obtained on sending a stamped addressed foolscap envelope to the Education Officer, Katherine Street, Croydon; and applications, with copies of three recent testimonials, must reach him by 29th June, 1946. Canvassing will disqualify.

E. TABERNER, Town Clerk.

Town Hall, Croydon.
June, 1946. 877

MILK MARKETING BOARD.

The Milk Marketing Board have a vacancy for an Assistant Architect. Applicants should preferably be Associates R.I.B.A., with sound knowledge of contract procedure, specification writing, maintenance work and be capable of taking charge in Architect's absence. Salary £500 p.a. rising to £650 p.a.

An Architectural Assistant is also required, preferably Student R.I.B.A., capable of preparing contract and detail drawings and to be able to carry out surveys and take levels. Salary £350 p.a. rising to £450 p.a. Pension scheme in operation.

Apply in writing, giving full details and earliest date on which employment could be commenced to the Establishment Officer, Milk Marketing Board, Thames Ditton, Surrey. 890

BOROUGH OF SWINDON.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following permanent appointments on the staff of the Borough Architect:—

QUANTITY SURVEYOR. The salary offered is in accordance with Grade IV of the Administrative, Professional and Technical Division of the National Scales (£420 to £465), plus such cost of living bonus as may from time to time be paid by the Corporation (at present £59 16s.). Candidates must have had extensive experience in the preparation of Bills of Quantities, Specifications and Schedules for all classes of public buildings and measuring up for the adjustment and settlement of contractors' final accounts.

Preference will be given to candidates who have passed the examination of the Chartered Surveyors' Institute.

ARCHITECTURAL ASSISTANT. The salary offered is in accordance with Grade III of the Administrative, Professional and Technical Division of the National Scales (£390 to £435), plus such cost of living bonus as may from time to time be paid by the Corporation (at present £59 16s.). Candidates should have experience in Housing and the General Architectural Work of a Local Authority.

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

Forms of application may be obtained from the undersigned, and applications appropriately endorsed must be delivered to me not later than Saturday, 13 July, 1946.

D. MURRAY JOHN, Town Clerk.

Civic Offices, Swindon.
10th June, 1946. 889

CITY OF STOKE-ON-TRENT.

Applications are invited for the following permanent appointments in the Reconstruction Department. The appointments will be subject to satisfactory medical examination, to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side. The salary for each position is as set out below and in each case is exclusive of a cost of living bonus which is at present £59 16s.

(A) TWO PLANNING ASSISTANTS, £535, rising by annual increments of £20 to £600.

Applicants should have had experience in planning, including Control of Interim Development, Basic Surveys, the Preparation of Schemes and Housing layouts, and should have passed the final examination of the Town Planning Institute. Civil Engineering or Architectural qualifications will be an additional recommendation.

(B) TWO PLANNING ASSISTANTS, £390, rising by annual increments of £15 to £435.

Applicants should have had experience in the preparation of Schemes and Basic Surveys, and should have passed the final examination of the Town Planning Institute.

(C) TWO PLANNING ASSISTANTS, £330, rising by annual increments of £15 to £375.

Applicants should have had experience in the preparation of schemes, and should have passed the intermediate examination of the Town Planning Institute.

(D) SURVEYING ASSISTANT, £330, rising by annual increments of £15 to £375.

Applicants should have extensive experience in the survey of large areas of land, including use of theodolite and contouring and should possess the testamur of the Institute of Municipal and County Engineers or equivalent.

(E) CHIEF CLERK, £315 rising by annual increments of £15 to £360.

Applicants should be experienced in the control of clerical staff and in the organisation and work of a similar Municipal Department.

Applications indicating the post applied for and stating age qualifications, experience and present position and enclosing copies of three recent testimonials must reach the undersigned not later than Monday, 15th July, 1946. Canvassing in any form, either directly or indirectly, will disqualify.

HARRY TAYLOR,

Town Clerk.

Town Hall,

Stoke-on-Trent. 895

LUNESDALE RURAL DISTRICT COUNCIL.

Applications are invited for the following appointments:—

(a) Housing Architect—Salary according to A.P.T. Scale, Grade VIII (Grading may be at the upper limit according to candidates qualifications).

(b) Clerk of Works—Salary according to A.P.T. Scale, Grade III.

The appointments are of a temporary nature and the duration will be dependent upon the continuance of the present housing construction programme, which it is estimated, unforeseen contingencies excepted, will continue for a period of three years.

Candidates for appointment (a) must be qualified architects and will be required to accept complete responsibility for all architectural work in connection with house construction and, in addition, all works relative to the development of housing estates, and for appointment (b) must be qualified Clerks of Works with considerable experience in housing constructional schemes.

The Council will provide transport for official duties within the area.

The appointments will be subject to the Local Government Superannuation Act, 1937, and to termination upon one month's notice on either side.

Applications accompanied by copies of three testimonials, and endorsed "Architect" or "Clerk of Works," as the case may be, must be delivered to the undersigned not later than 10 a.m. on THURSDAY, the 27th JUNE, 1946.

Canvassing either directly or otherwise will disqualify.

A. H. HARLOW,

Clerk to the Council.

Council Offices,
Hornby, Lancaster.

12 June, 1946. 885

THE COUNTY COUNCIL OF CLACKMANNAN.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of QUANTITY SURVEYOR. The scale of salary will be £400 by £25 to £450 per annum.

Applicants should preferably be members of the Surveyors' Institute and should be experienced in the preparation of estimates, specifications and schedules of quantities, remeasurements, and the adjustment of final accounts.

The appointment will be subject to the Local Government Superannuation (Scotland) Act, 1937, and the person selected will require to undergo a medical examination prior to appointment.

Applications, stating age, qualifications and experience, with copies of not more than three recent testimonials, should be lodged with the undersigned not later than 8th July, 1946.

N. A. SCORGIE, County Clerk.

County Buildings, Alloa.
10th June, 1946. 883

**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 at the rate of £420 per annum rising by annual increments of £15 to £465 per annum, plus cost of living bonus of £59 16s. per annum.

Applications, stating age, qualifications and experience, together with copies of two recent testimonials, should be addressed to the undersigned not later than 1st July, 1946.

A. D. VICKERMAN,
Town Clerk.

Town Hall, Whitehaven.
7th June, 1946.

869

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872

Partnerships

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

QUALIFIED ARCHITECT is desirous of becoming a partner with another architect in exchange for introducing contracts. Good connections. Specialised in industrial and hospital planning. Experienced in war damage claims. Box 859.

Architectural Appointments Vacant

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

Wherever possible prospective employers are urged to give in their advertisements full information about the duty and responsibilities involved, the location of the office, and the salary offered. The inclusion of the Advertiser's name in lieu of a box number is welcomed.

H. M. DOUGHTY & PARTNERS, Quantity Surveyors, 55, Pall Mall, S.W.1, would be glad to receive applications from experienced men seeking posts in London area; applicants must have had first-class training as quantity surveyors, and be used to measuring and settling variations on building contracts. Please give particulars of age, salary required, when free, etc. 751

SENIOR ARCHITECTURAL ASSISTANT required; capable of preparing working drawings and details, writing specifications, and supervising works. Apply, giving age, experience, qualifications and salary required, to L. F. Vanstone and Partners, 11, Grimestone Terrace, Plymouth. 766

QUANTITY SURVEYOR required for Architect's Office; experience in draughtsmanship would be an advantage. Apply, giving age, experience, qualifications, and salary required, to L. F. Vanstone & Partners, 11, Grimestone Terrace, Plymouth. 767

ARCHITECTURAL ASSISTANTS required by Resident Architect of large multiple concern in West Riding of Yorks; very interesting and varied type of work; state age and experience; remuneration by arrangement. Box 845.

ARCHITECTURAL ASSISTANT required in well-established provincial practice; knowledge of surveys, levelling, and working drawings. Write, stating age, experience, and salary required, to Raymond C. White, F.R.I.B.A., Ceely House, Church Street, Aylesbury, Bucks. 848

CIVIL ENGINEER or ARCHITECT required for managerial position. Organisation and control of erection on a large scale of houses of a new design. Applicants must have practical experience of Building Construction in all trades. High salary and excellent prospects for a competent and energetic man. Please state age and send full details of qualifications and experience to Box 857.

VACANCY for qualified or experienced Architect's Assistant. Good draughtsmanship essential. Busy practice. Isle of Wight. Early partnership for suitable man. State qualifications, age, experience and salary required. Box 858.

SENIOR ARCHITECTURAL ASSISTANT required in Birmingham office. Good salary and prospects to suitable man. Box 866.

APPLICATIONS are invited for following appointment on permanent staff, Architects Dept., Doncaster Co-operative Society, Ltd. SENIOR ASSISTANT ARCHITECT.

Applicants must be Registered Architects fully experienced in general design, building construction, specifications, surveying and levelling. Salary £8 per week rising £9, plus cost of living bonus.

House available to successful applicant at rental of 25s. p.w. plus rates.

Applications, giving qualifications, experience and age, together with names of 2 persons to whom reference may be made, to Secretary, Doncaster Co-operative Society, Ltd., 1, John Street, Doncaster, not later than Saturday, 22nd June, 1946. Envelopes to be endorsed "Senior Assistant Architect." 867

CHIEF ASSISTANT ARCHITECT required in private practice West of England. Must be qualified and very experienced. Salary £650 p.a. Box 871.

JUNIOR DRAUGHTSMAN (male, British) required for general practice; state full qualifications and salary by letter. Goldsmith, F.R.I.B.A., 44, Great Russell Street, W.C.1. 882

SENIOR ASSISTANT required in busy Architect's Office in East Midlands, some knowledge of quantities desirable; permanent position to suitable applicant. Write, stating age, experience and qualifications and salary required, to E. H. C. Inskip & Son, Goldington Road, Bedford. 884

SENIOR ASSISTANT to work on a school, exhibitions, and industrial design; an interest in contemporary design with considerable architectural experience and knowledge of construction essential; Salary from £450 to £600. Apply in writing to Misha Black, Design Research Unit, 12, Bedford Square, W.C.1. 886

ARCHITECT'S ASSISTANT required. Apply, stating age, experience and salary, to Henry C. Smart & Partners, Architects and Surveyors, 251-3, Finsbury Pavement House, 120, Moorgate, E.C.2. 896

PRIVATE SECRETARY (Lady) with architectural knowledge and ability design houses or draw plans, used to interviewing; shorthand-typing essential; about £500 p.a. Apply Laurie & Co., Employment Specialists, 19, Basinghall Street, E.C.2. 887

ASSISTANT required for Architect's and Surveyor's office in North of England; housing and general work, surveying, levelling, working drawings; knowledge of quantities an advantage; state age, experience and Salary required. Box 888.

ARCHITECTURAL ASSISTANT required for spare time or part time work; East Suburban district. Write, stating age, qualifications and experience, to Box 894.

Architectural Appointments Wanted

Advertisements from Architectural Assistants and Students seeking positions in Architects' offices will be printed in "The Architects' Journal" free of charge until further notice.

ASSOCIATE R.I.B.A. (35), ex-Capt. R.E., school trained, 5 years' West End experience, 6 years' military service, seeks senior position with new or established practice, with a view to early partnership. Box 462.

YOUNG ARCHITECT requires position in an architect's office. Can introduce varying size contracts. Specialised in hospital and industrial planning and war damage claims. Box 463.

ASSISTANT (28), married, desires position, 6 years' experience housing, schools, churches, existing surveys, etc. Reply, stating type of work, salary, and details of position to Box 464.

LONDON area. Energetic Student R.I.B.A., ex-R.A.F. Aircrew Officer (27), awaiting vacancy to return to college of architecture to prepare for final, seeks temporary post or private contract work, part time or full time. 1939 salary £7 per week. Box 465.

BUILDING DRAUGHTSMAN, at present holding position as manager for north-eastern firm, desires change. Qualified to estimate, take quantities survey, good draughtman, and has sound knowledge of all building construction. Box 467.

FOURTH YEAR STUDENT (female) offers assistance during August-September in Architect's Office; Bournemouth district; experience in town planning, housing design and estate layout and interior design; highest testimonials. Box 468.

ASSISTANT, 25, seeks position in Bournemouth-Southampton area; 9 years' experience surveys, levels, etc., for houses, flats, shops, factories; quick, neat and accurate draughtsman. Box 469.

ARCHITECTURAL STUDENT, age 16, completing two-year preliminary course in July, 1946, requires a progressive position as draughtsman in architect's office, preferably in London, Surrey, or West Kent; will soon be taking matriculation with view to R.I.B.A.; references and specimens of work available for inspection. O. R. Mason, 290, Northborough Road, Norbury, London, S.W.16. 476

SENIOR ASSISTANT, nearly qualified, requires anything stimulating; landscape, industrial or architectural design; London preferred. Box 470.

SENIOR ASSISTANT, A.R.I.B.A. (1933), desires post requiring strong belief in rational organic design. Box 471.

THREE ASSISTANTS of wide experience, keen on housing, require work on good, new architecture; submitted scheme for Pimlico Housing Competition. Box 472.

EXPERIENCED ASSISTANT desires change; London preferred; interesting work essential. Box 473.

DRAUGHTSMAN, desires progressive change; 3 years' experience with Architect; also experience in measuring and surveying; salary £208 p.a. Box 474.

ARCHITECTURAL DRAUGHTSMAN requires work in N.E. or West England; all drawings; experienced domestic and licensed work; moderate salary. Box 475.

Other Appointments Wanted

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COMPTOMETER OPERATOR/TYPIST, Experienced Civil Engineers and Quantity Surveyor's Office, Public Works Contracts and Building Trade generally. Would consider interesting position with scope for initiative and intelligence in any part of country. Excellent references. Box 856.

SURVEYS, sketch plans or working drawings preferred by competent architectural assistant in spare time; moderate fees. Box 892.

A.R.I.B.A., released recently from H.M. Forces, wishes to meet architects with a view to a possible collaboration and mutual assistance in spare time; nominal fees only required in return for work affording opportunities of requiring experience. Box 893.

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R.I.B.A. QUALIFYING EXAMINATIONS. Mr. C. W. Box, F.R.I.B.A., M.R.San.I. Courses of Correspondence and Personal in Studio, 115, Gower St., London, W.C.1 (Tel.: Buxton 3906), and at 25, St. James's St., Derby (Tel.: 45640).

R.I.B.A. and T.P. INST. EXAMS. Private Courses of Tuition by correspondence arranged by Mr. L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I. Tutor, 212, Buxton Road, N.W.1. Tel.: EUS. 7760. 415

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Alphabetical Index to Advertisers

Accorington Brick Co., Ltd.	PAGE	Farmer, S. W., & Son, Ltd.	PAGE	Nobles & Hoare, Ltd.	PAGE
Adams, Robert (Victor), Ltd.	lii	Ferguson, Edward & Co. (London), Ltd.	xi	Oliver, Wm., & Sons, Ltd.	vi
Aerialite, Ltd.	—	Floor Renovations, Ltd.	lix	Paragon Glazing Co., Ltd.	lxviii
Aluminium Development Assoc.	—	Franki Compressed Pile Co., Ltd.	—	Park Foundry (Belper), Ltd.	xxiii
Anderson, C. F., & Sons, Ltd.	—	Frazzi, Ltd.	—	Parnall, George, & Co., Ltd.	xxxvii
Arens Controls, Ltd.	—	Freeman, Joseph, Sons & Co., Ltd.	1	Pressed Steel Co., Ltd.	—
Austins of East Ham, Ltd.	—	Fullwood & Bland, Ltd., R. J.	—	Prodorite, Ltd.	xxvi
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Banister Walton & Co., Ltd.	xxii	Gillett & Johnston, Ltd.	—	Radiation, Ltd.	vii
Barclays Bank, Ltd.	—	Gliksten Doors, Ltd.	xxx	Ranshah, Ltd.	xlii
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Benham & Sons, Ltd.	—	Griffiths Bros. & Co., London, Ltd.	—	Restall, Fredk., Ltd.	1
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Bundell Spence & Co., Ltd.	xlvi	Hall, J. & E., Ltd.	—	Rownson, Drew & Clydesdale, Ltd.	ii
Bone, Connell & Co., Ltd.	lii	Hall, Matthew, & Co., Ltd.	iii	Rushton, J. V. (Birmingham), Ltd.	xlvi
Braithwaite & Co., Engineers, Ltd.	—	Hall, Robert H., & Co. (Kent), Ltd.	—	Rustproof Metal Window Co., Ltd.	—
Briggs, William, & Son, Ltd.	—	Hammond & Champness, Ltd.	liii	Sanders, Wm., & Co. (Wednesbury), Ltd.	xliv
British Cast Iron Research Assoc.	—	Harper & Tunstall, Ltd.	xxiv	Scaffolding (Gt. Britain), Ltd.	xxxix
British Insulated Callender's Cables, Ltd.	—	Harvey, G. A., & Co. (London), Ltd.	iii	Schori Metallising Process, Ltd.	—
British Trane Co., Ltd.	xliv	Helliwell & Co., Ltd.	viii	Secomastic, Ltd.	ii
Britmac Electrical Co., Ltd.	xii	Hickman, Ltd.	xliv	Service Electric Co., Ltd.	—
Brush Electrical Engineering Co., Ltd.	xxvii	Hope, Henry, & Sons, Ltd.	xxxvi	Sharman & Sons	lix
Bryant, C., & Son, Ltd.	xxxii	Hotric, Ltd.	xv	Sharp Bros. & Knight, Ltd.	xlvi
Bryce, White & Co., Ltd.	liii	Huntley & Sparks, Ltd.	li	Sieglwart Fireproof Floor Co., Ltd.	—
Burgess Products, Ltd.	liv	Ideal Boilers & Radiators, Ltd.	—	Smith & Rodger, Ltd.	lxii
Cable Makers' Assoc.	—	Imperial Chemical Industries, Ltd.	xx	Smith's Fireproof Floors, Ltd.	xlx
Calders, Ltd.	viii	Industrial Engineering, Ltd.	—	Southern Lime Assoc. The	xxviii
Cargo Fleet Iron Co., Ltd.	—	International Correspondence Schools	lix	Spiral Tube & Components Co., Ltd.	lii
Carlisle Electrical Mfrg. Co., Ltd.	lii	Isteg Steel Products, Ltd.	—	Spon Bookshop, The	lix
Carrier Engineering Co., Ltd.	liv	Jenkins, Robert, & Co., Ltd.	lxi	Stelcon (Industrial Floors), Ltd.	liiii
Caston & Co., Ltd.	—	Johnston Bros. (Contractors), Ltd.	li	Sundeala Board Co., Ltd.	lx
Cellon, Ltd.	xvi	Jones, Saml., & Co., Ltd.	xlvi	Tentest Fibre Board Co., Ltd.	xxv
Celotex, Ltd.	xxi	Kautex Plastics, Ltd.	—	Thompson Beacon Windows, Ltd., John Tretol, Ltd.	xxix
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Cheshire Woodcraft, Ltd.	xliix	Lacroid Products, Ltd.	—	Tucker, Duncan (Tottenham), Ltd.	—
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Eagle Range & Grate Co., Ltd.	xlii	McNeill, F., & Co., Ltd.	—	Walsall Conduits, Ltd.	xxxi
Edgar, Wm., & Son, Ltd.	x	Metal Sections, Ltd.	xxviii	Walterisation Co., Ltd. The	liv
Ellison, George, Ltd.	lix	Metropolitan Vickers Electrical Wo., Ltd.	—	Ware, W. C., & Sons, Ltd.	xlili
Ellis (Kensington), Ltd.	—	Midland Electric Mfrg. Co., Ltd.	xix	Wareite, Ltd.	xliv
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English Electric Co., Ltd.	xxvii	Mills Scaffold Co., Ltd.	lxii	Wheeler, F. H., & Co., Ltd.	liv
English Joinery Manufacturers Assoc.	—	Ministry of Labour & National Service.	—	Wimpey, George, & Co., Ltd.	—
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Evertaut, Ltd.	vi	Newman, Wm., & Sons, Ltd.	—	Zinc Alloy Rust-Proofing Co., Ltd.	—
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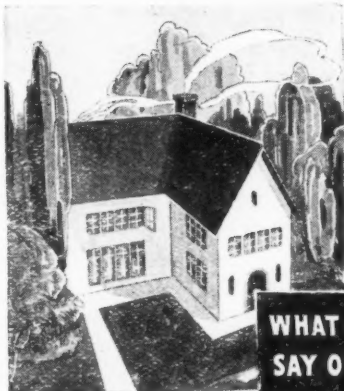
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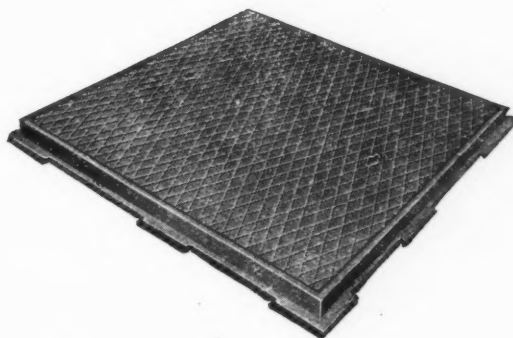
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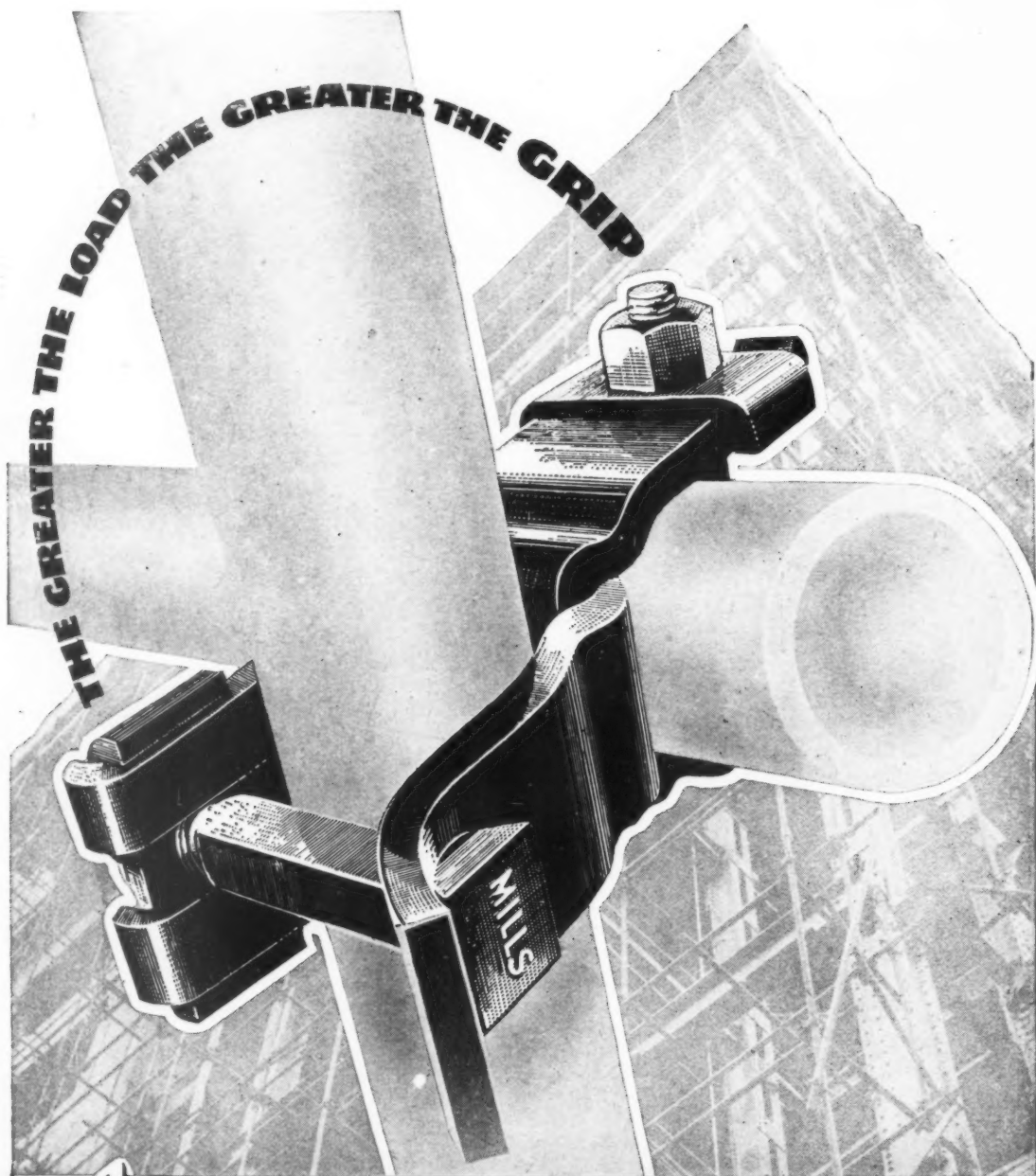
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