

# THE ARCHITECTS' JOURNAL

THE ARTS DEPT.



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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions, Secy. 4, W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society, 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians, 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain, 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association, 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction, 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association, School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15.	Ardwick 3480
ARCUK	Architects' Registration Council, 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects, 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers, 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education, 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council, Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre, 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council, 28, Sackville Street, W.1.	Regent 3613
BCCF	British Cast Concrete Federation, 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association, Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association, 25, Victoria Street, S.W.1.	Abbey 5422-3
BEDA	British Electrical Development Association, 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council, 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation, 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association, 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education, 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors, 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council, 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade, Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station, Bucknalls Lane, Watford	Garston 2246
BSA	Building Societies Association, 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution, 28, Victoria Street, S.W.1.	Abbey 3333
CAS	County Architects Society, C/o A. Guy Chant, F.R.I.B.A., Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association, 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association, Kendals Hall, Radlett Herts.	Radlett 5616
CIAD	Central Institute of Art and Design, 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne, Dolderal, 7, Zurich, Switzerland	
CID	Council of Industrial Design, Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee, MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England, 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council, 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DIA	Design and Industries Association, 9, Conduit Street, W.1.	Mayfair 5432
DOT	Department of Overseas Trade, 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission, Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated), Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society, 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors, 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FASSC	Federation of Association of Specialists and Sub Contractors, 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries, 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission, 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries, 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District, Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders, 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders, 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England, 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group, 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre, 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors, 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers, Great George Street, S.W.1.	Whitehall 4577
ICW	Institute of Clayworkers, 4, Vernon Place, W.C.1.	Chancery 6258

## standard contents

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

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## CURRENT BUILDINGS

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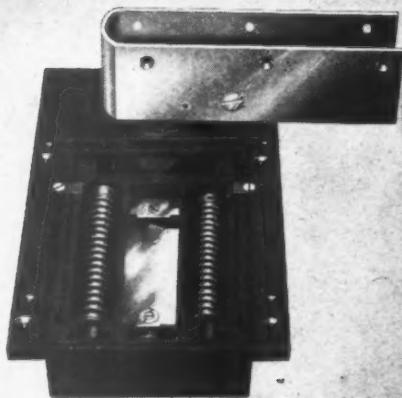
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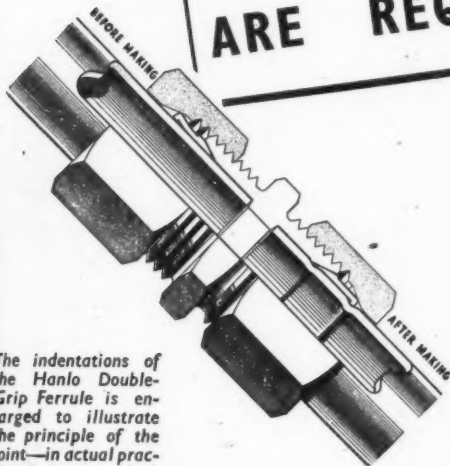
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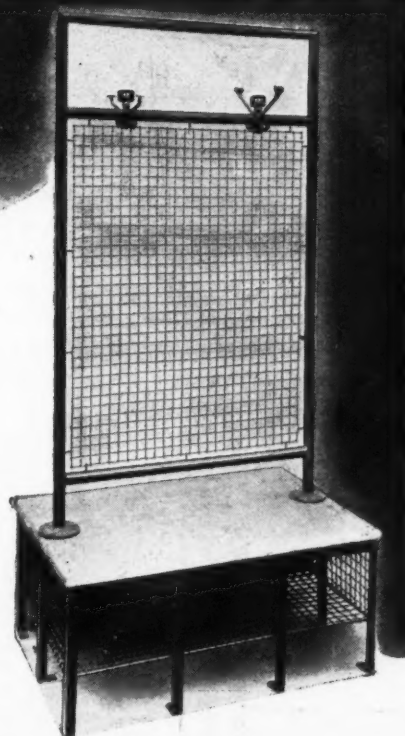
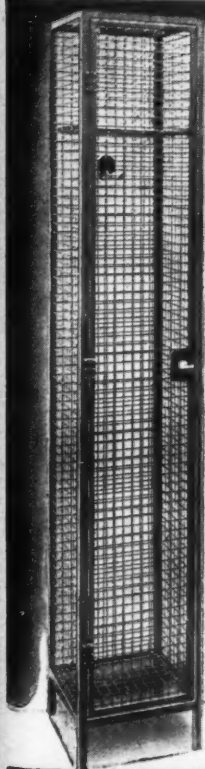
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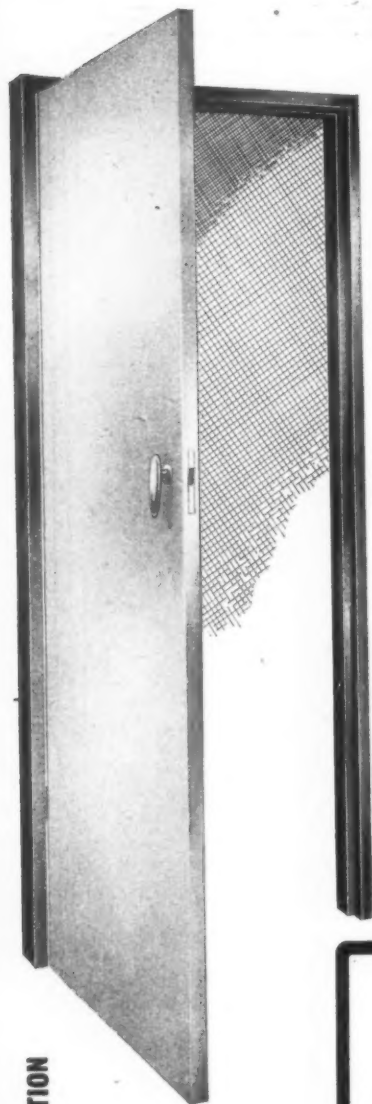
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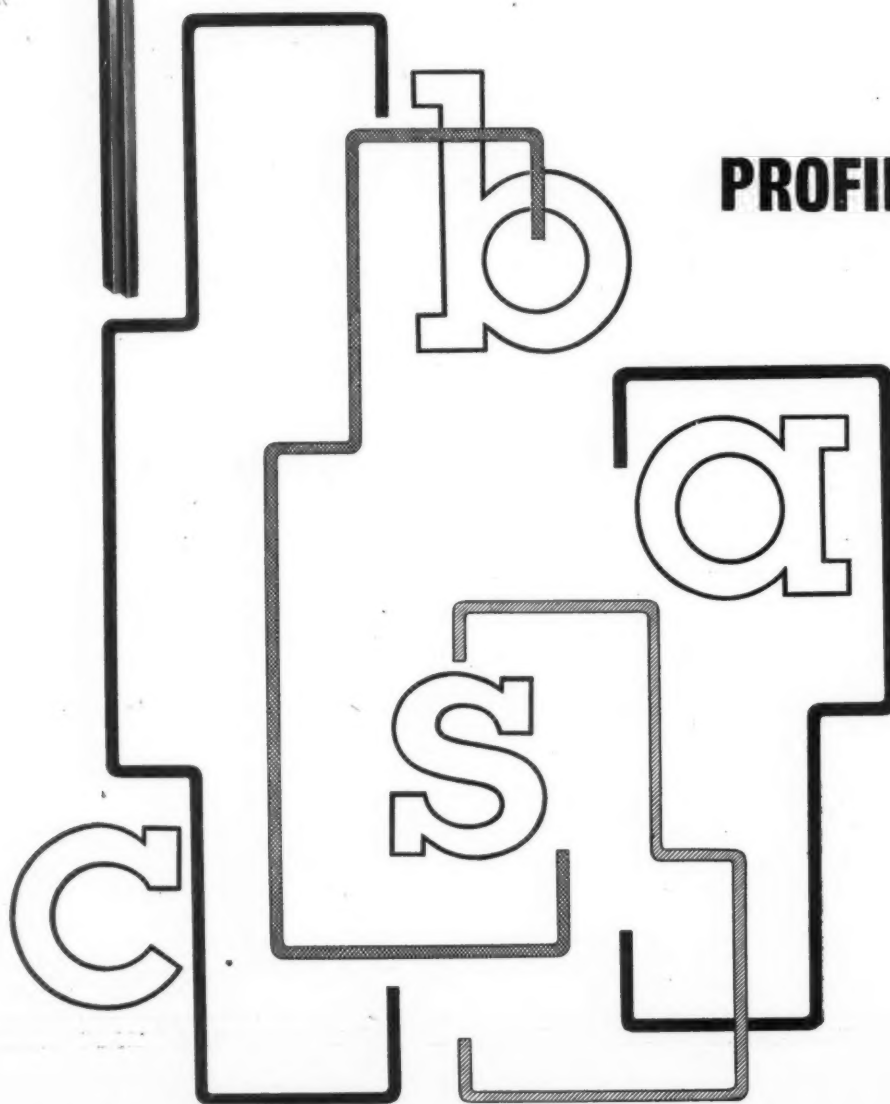
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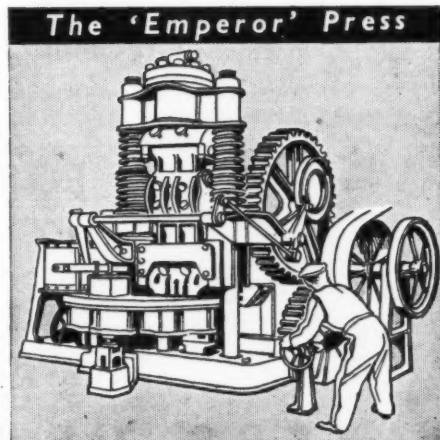


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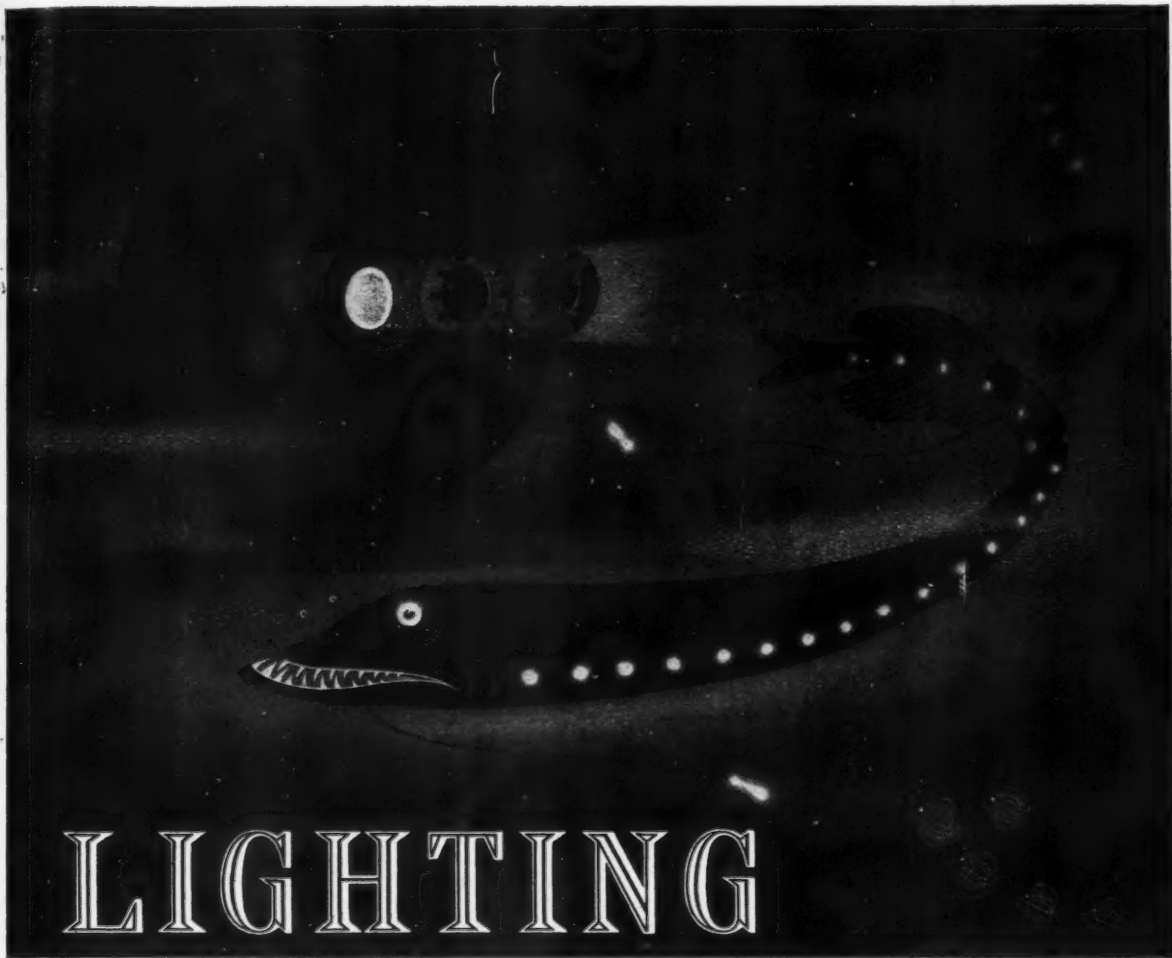
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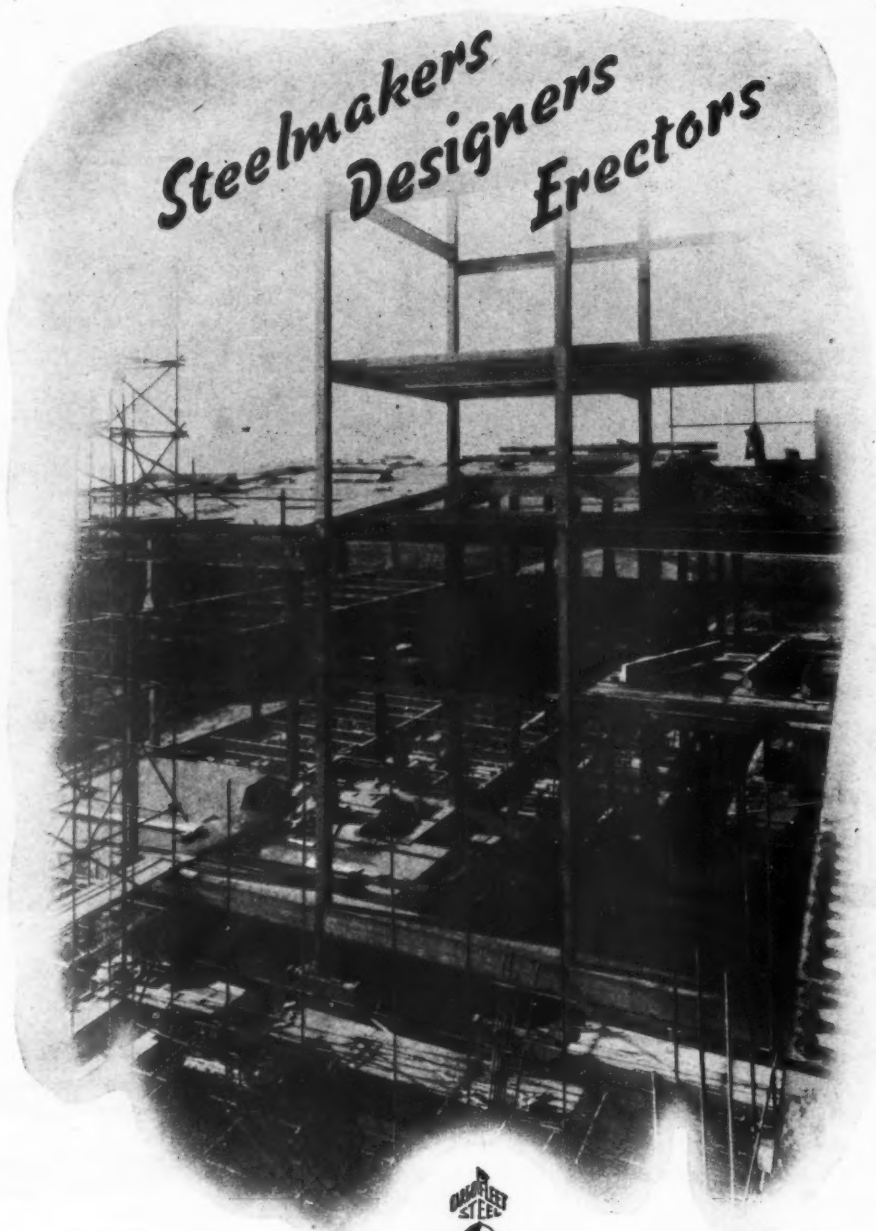
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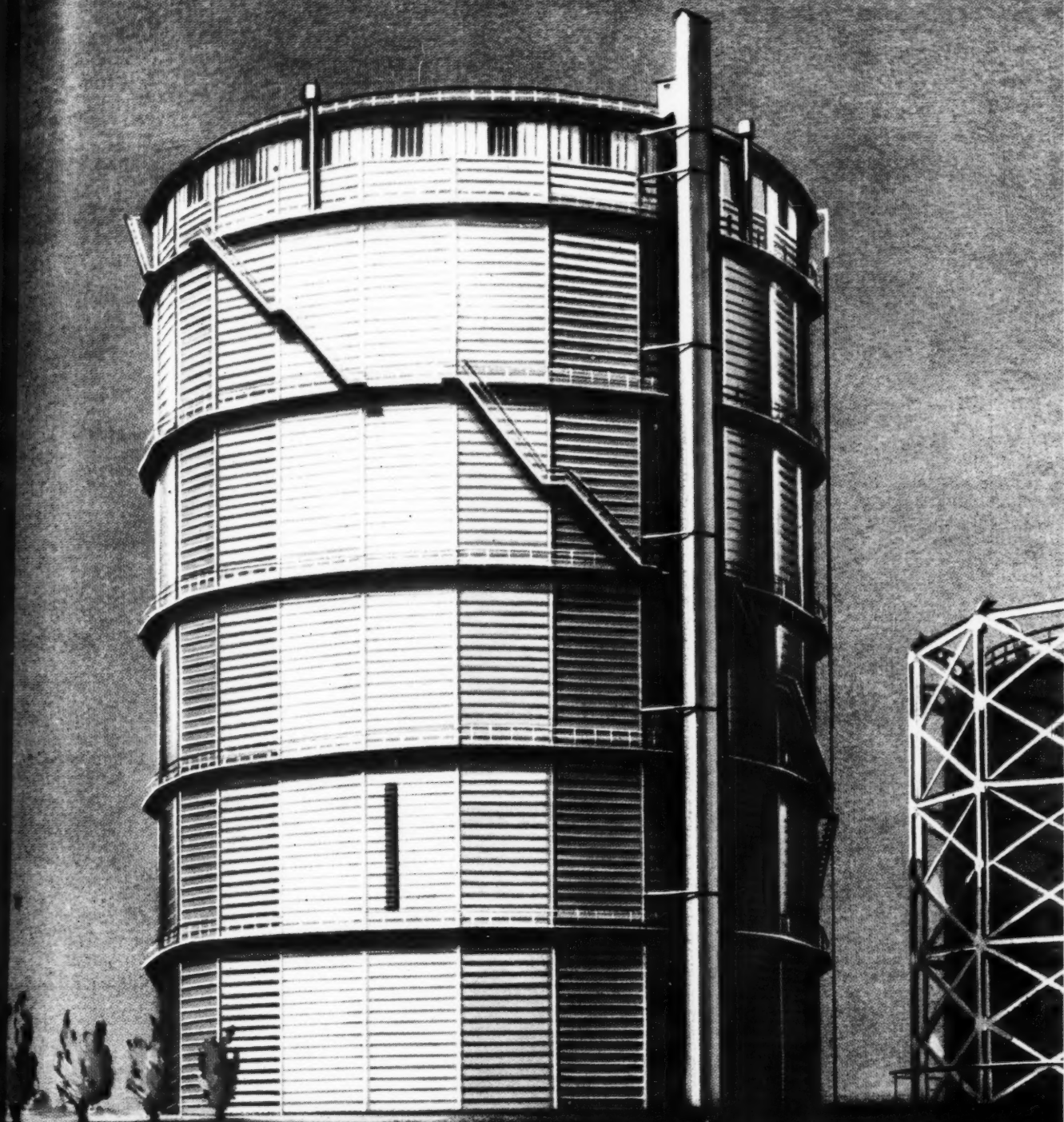






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THE ARCHITECTS' JOURNAL  
for August 12, 1948



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## TRADE WINDS No 1

### THE LEGEND OF THE TIN ISLANDS

For centuries before the Christian era it is known that tin was mined in Cornwall and exported to reach eventually the distant Phoenician ports of Tyre and Sidon.

The enterprise of the Phoenicians over a period of many generations enabled them to develop and maintain a vast and diverse trade, which not only took them to many strange and distant lands, but brought prosperity to their own country. They were a maritime nation whose stout seaworthy craft were constructed from the fir trees of Senir; the famous cedars of Lebanon provided the masts whilst the oars were fashioned from the oaks of Bashan.

They were fearless and skilled navigators, venturing out from Mediterranean waters into the broad Atlantic to establish trading posts along the seaboard of North Africa and South West Spain.

Amongst other valuable cargoes, tin was a treasured metal, but in order to preserve such

monopolies, the Phoenicians shrouded their voyages in mystery. The trade routes they used, with an unrivalled knowledge of the most favourable winds and tides, were jealously guarded secrets. Thus there arose the legend of the Cassiterides, the Tin Islands, possibly a shrewd invention devised and perpetuated in order to protect their unique enterprise.

Many writers, both ancient and modern, have sought to identify the legendary Tin Islands, but no real evidence exists to show that the Phoenicians ever reached Cornwall itself. Other speculations have named the Scillies, groups of islands off either Gaul or the coast of Galicia in Spain, with concrete proof singularly lacking in all these cases. So it is that even though the mystery of the legendary Cassiterides is still unsolved, no doubt exists as to the resource, skill and initiative displayed by the Phoenicians, in their profitable international trading ventures.



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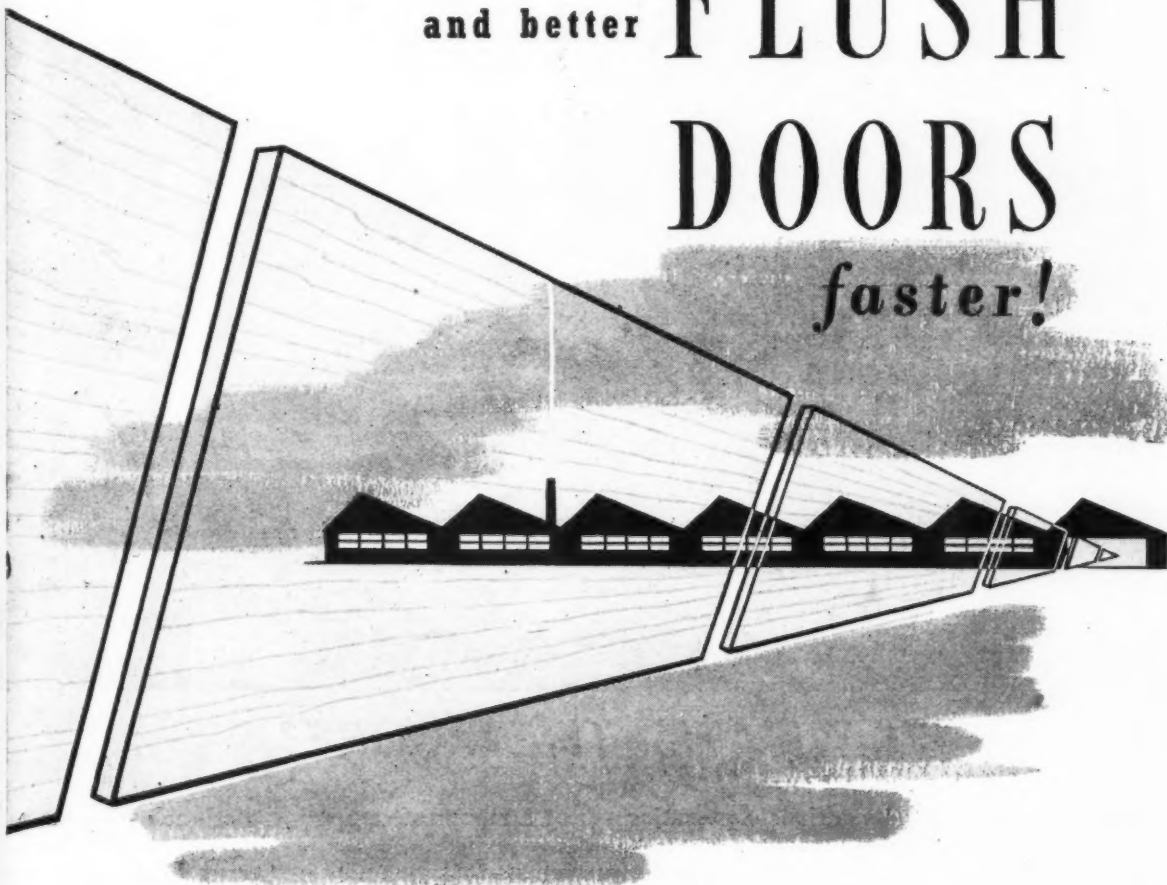


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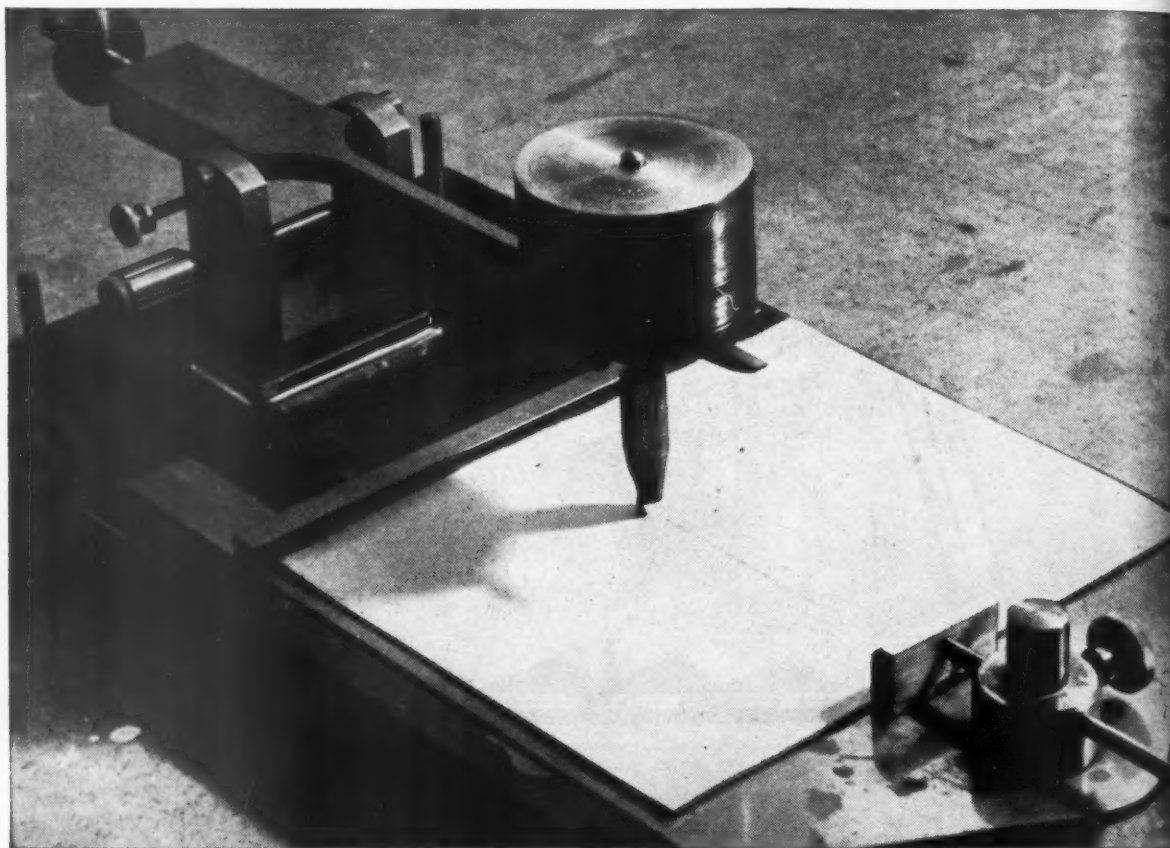
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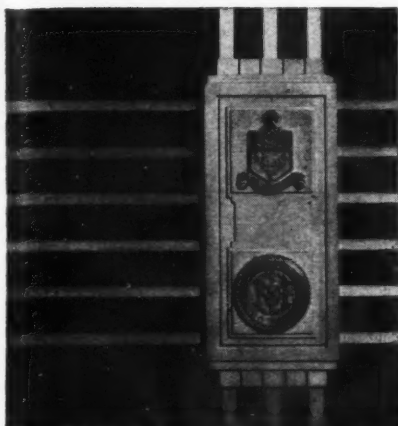
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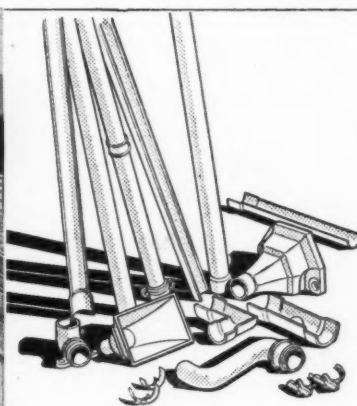
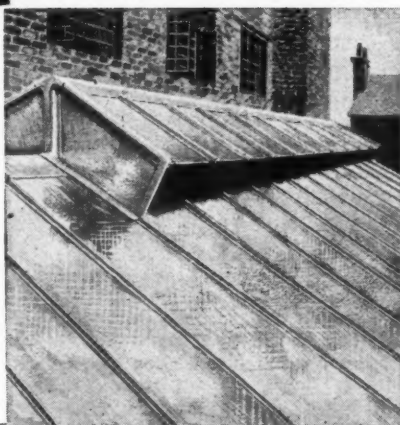
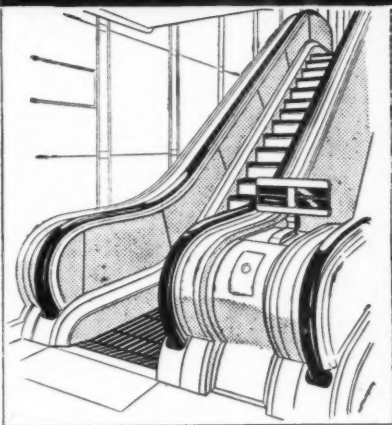
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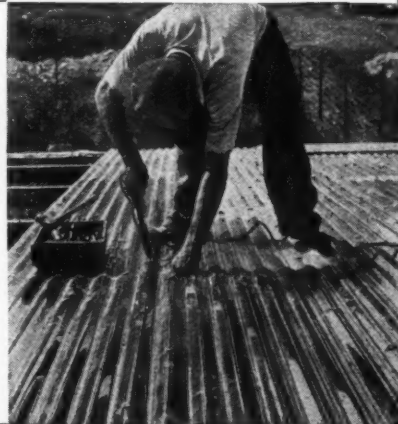
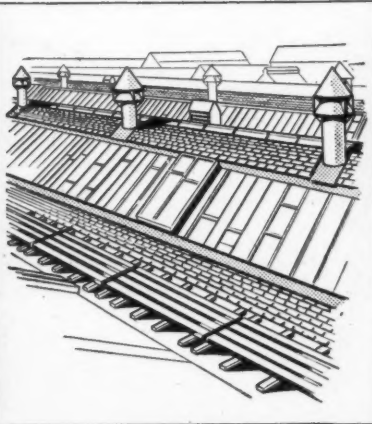
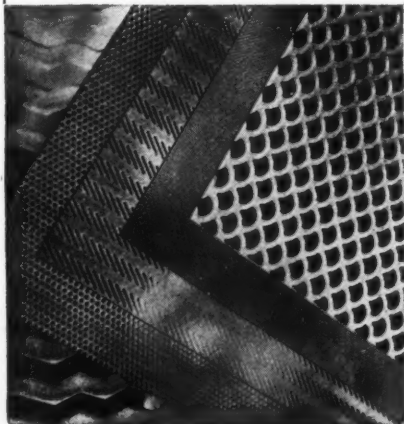
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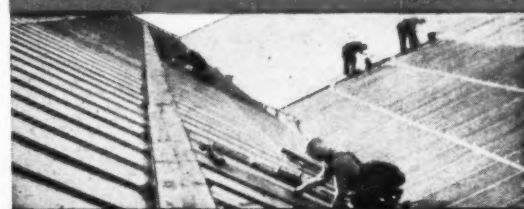
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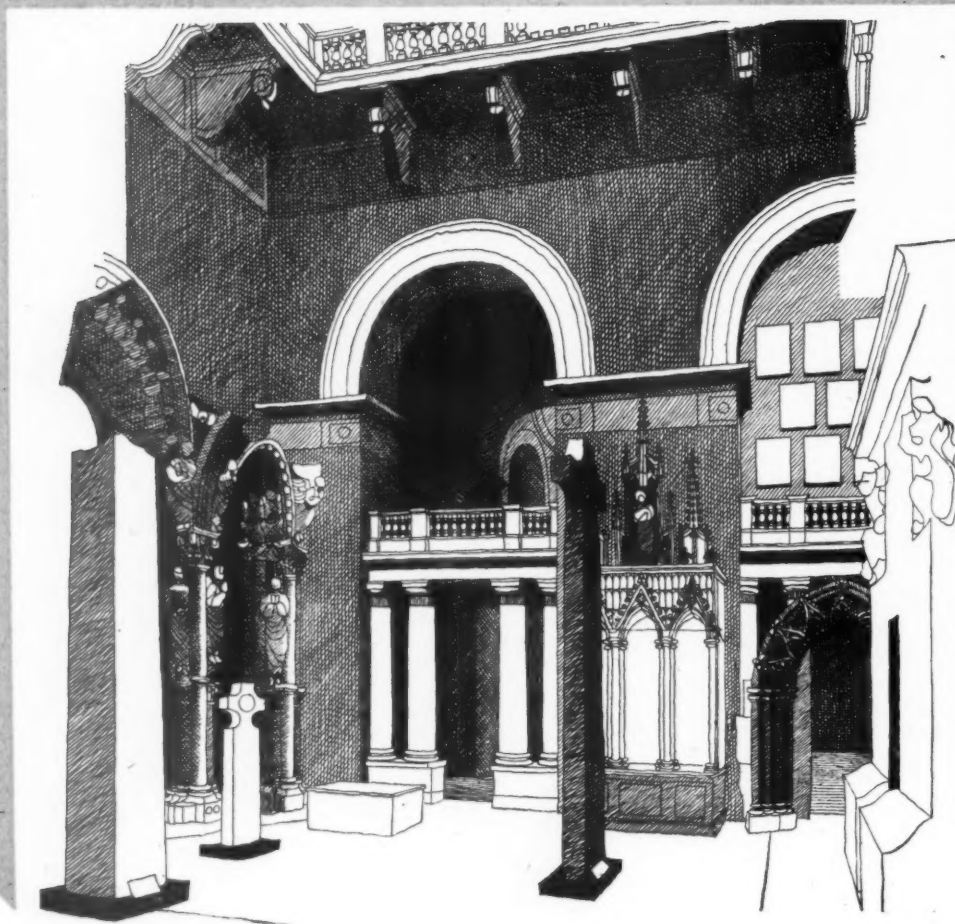
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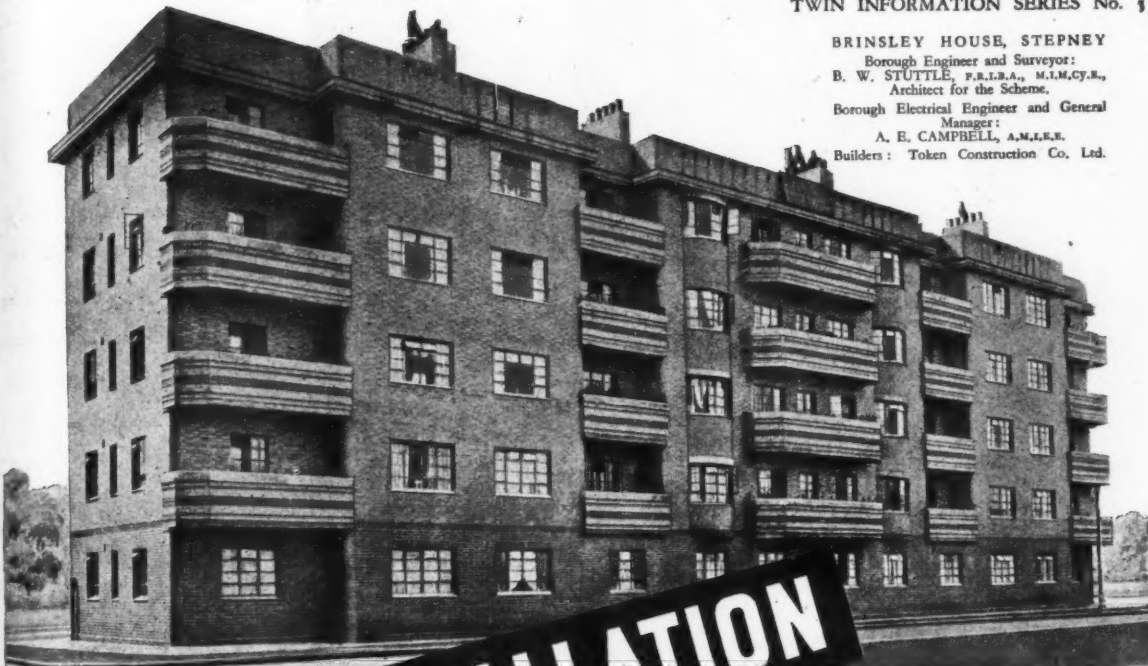
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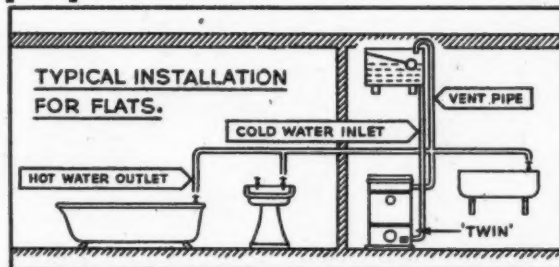
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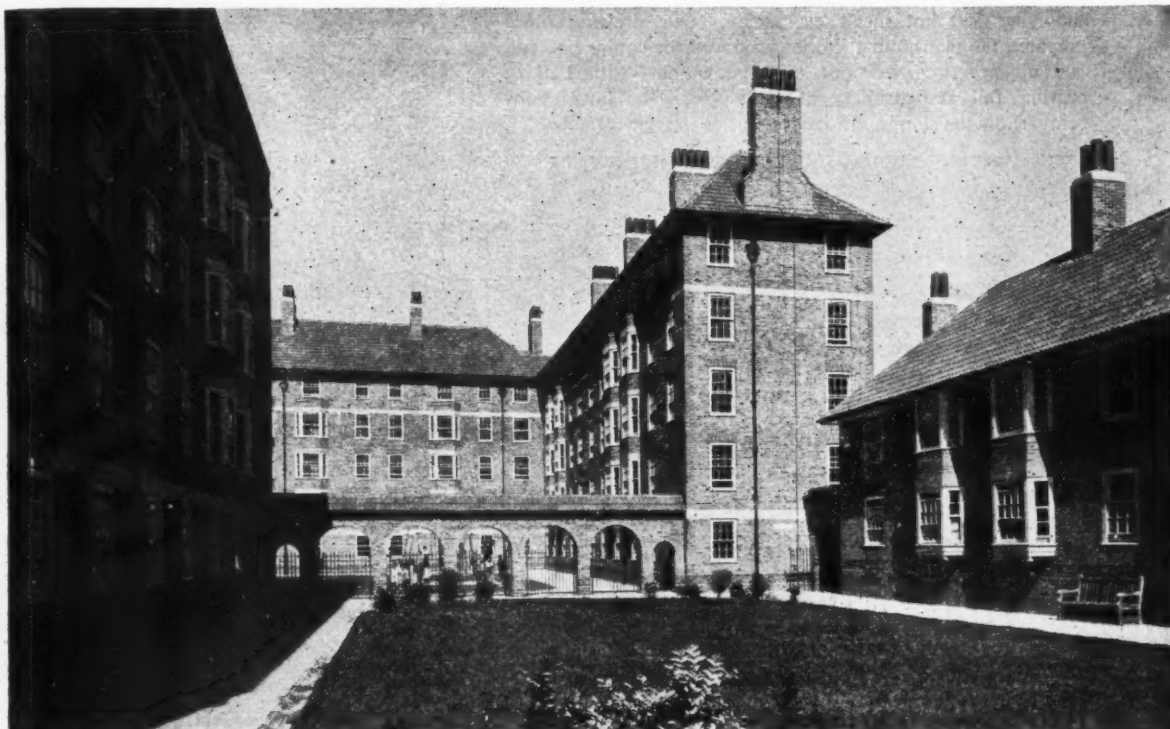
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These photographs of the 1st Class Lounge (above) and 1st Class Music Room (below) of the P. & O. liner *Strathmore*, provide an example of the work we did prior to 1939. (Architects: Messrs. McInnes, Gardner and Partners, Builders: Vickers Armstrong Ltd.).

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# BRICK

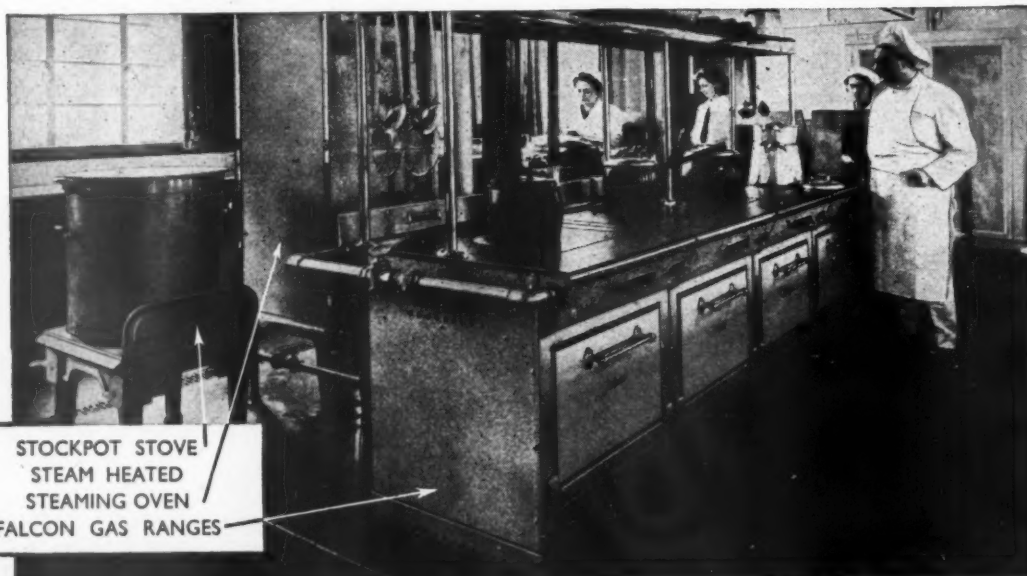
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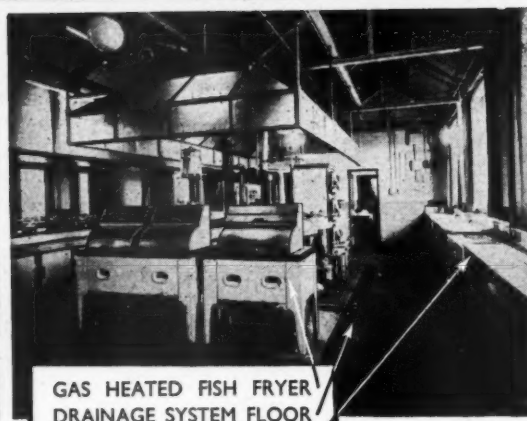
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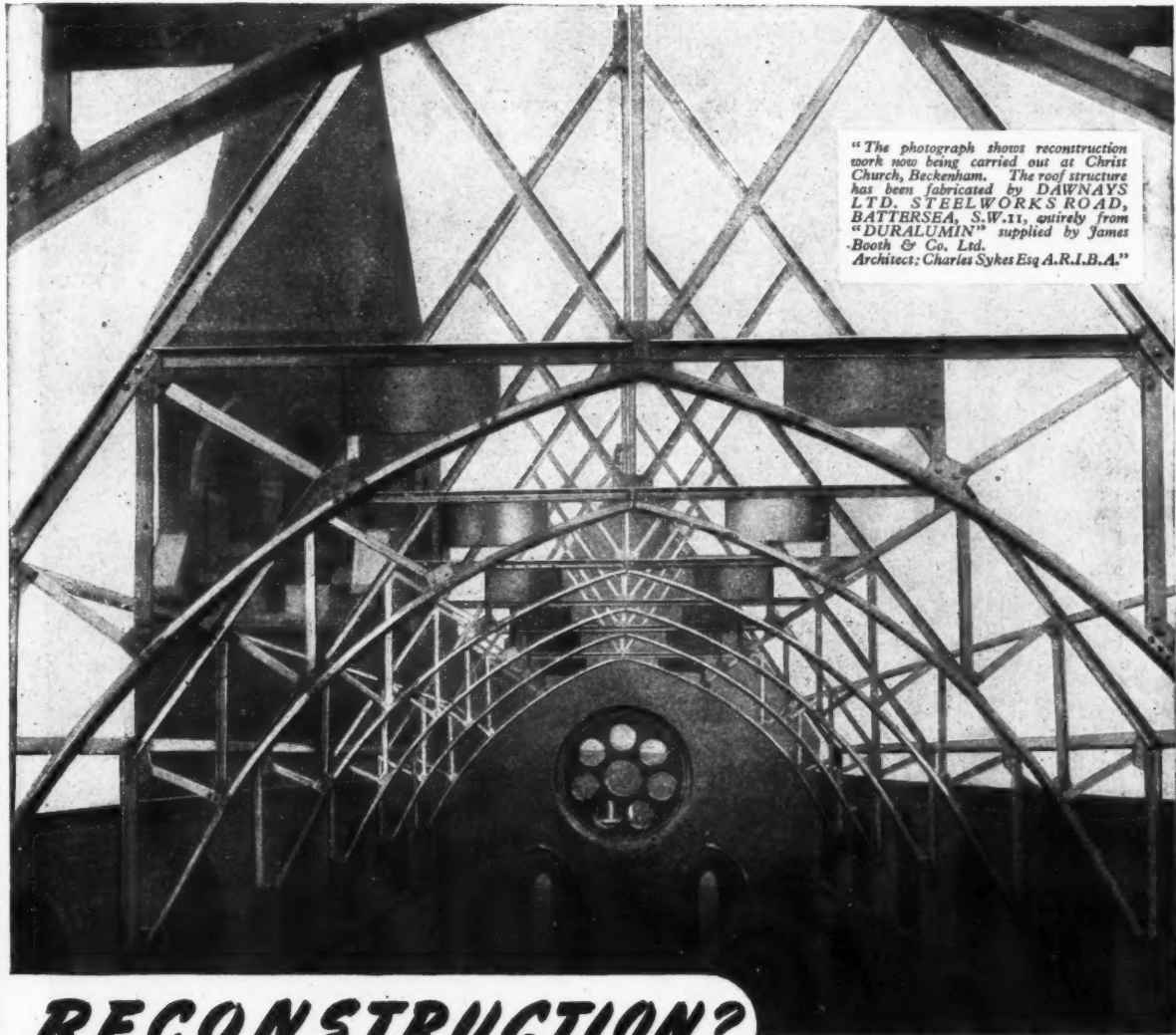
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"The photograph shows reconstruction work now being carried out at Christ Church, Beckenham. The roof structure has been fabricated by DAWNAYS LTD. STEELWORKS ROAD, BATTERSEA, S.W.11, entirely from "DURALUMIN" supplied by James Booth & Co. Ltd. Architects: Charles Sykes Esq A.R.I.B.A."

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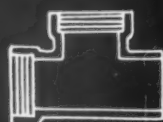
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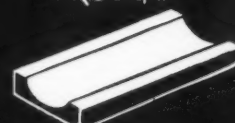
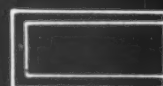
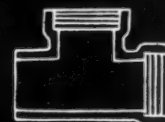
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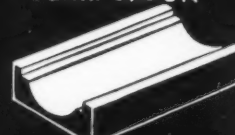
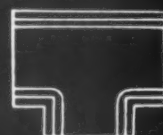
HALF CIRCLE



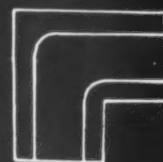
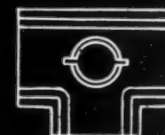
TROUGH



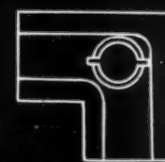
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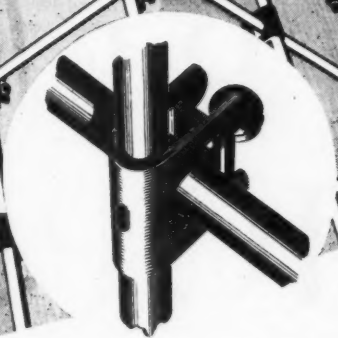
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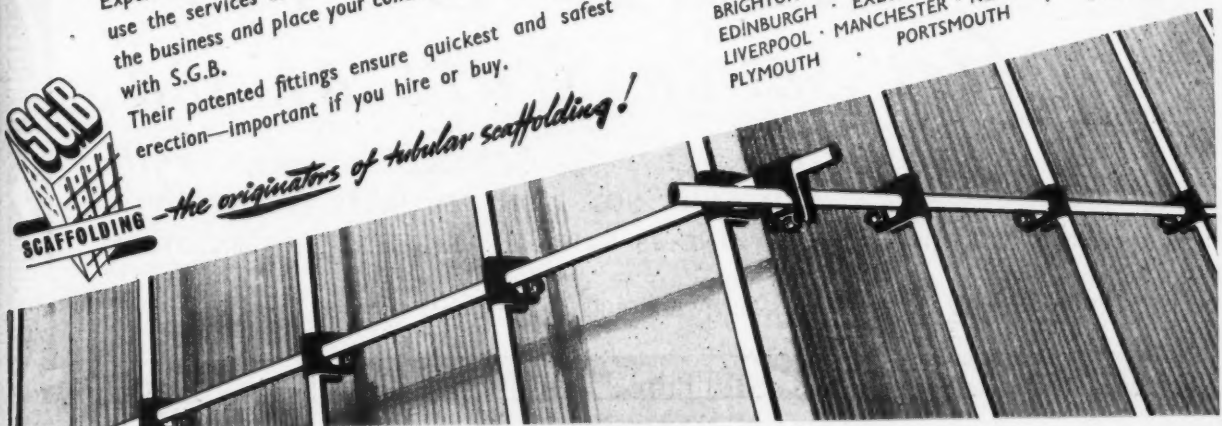
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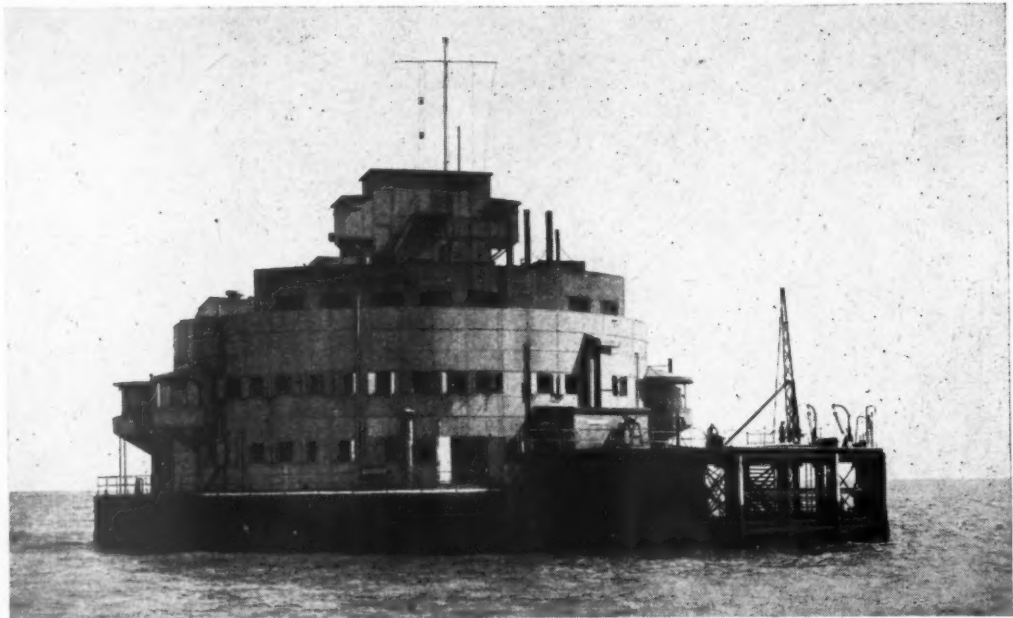
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## DIARY FOR AUGUST SEPTEMBER AND OCTOBER

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

### BIRMINGHAM. *Design Week.* (Sponsor, CID.) OCT. 11-16

**CAMBRIDGE.** *Town and Country Planning Summer School.* At Cambridge. The main lectures and discussion groups will be held in the Mill Lane Lecture Theatres. Aug. 23. Morning and afternoon: Discussion Groups; 8.0 p.m.: Formal opening of the School at the Guildhall. Aug. 24. 10.0 a.m. Desmond Heap. *Legal and Administrative Aspects of the Town and Country Planning Act, 1947, and its Regulations and Orders.* Afternoon: Discussion Groups. Aug. 25. 10.0 a.m. Sir Robert Fraser. *The Central Land Board.* Afternoon: Discussion Groups. Aug. 26. 10.0 a.m. Geoffrey Clark. *Planning Problems of the Countryside.* Afternoon, Discussion Groups. Aug. 27. 10.0 a.m. Denis Chapman. *Social Aspects of Town Planning.* Afternoon: Discussion Groups; 8.0 p.m. Annual General Meeting. Aug. 28. 10.0 a.m. Debate. (Sponsor, TPI.)

AUG. 23-28

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

*Display of Domestic Solid Fuel Burning Appliances.* At the Building Centre, 9, Conduit Street, W.1. (Sponsor, CUJC.) This display is changed at approximately 4-monthly intervals.

#### PERMANENT EXHIBITION

*Gas in the Design for Living.* Exhibition of gas cookers, space and water heaters, laundry equipment and portable cooking and heating appliances. At the Building Centre, 9, Conduit Street, W.1. (Sponsor, BGC.)

#### PERMANENT EXHIBITION

*Sport in Art Exhibition.* At the Victoria and Albert Museum. (Sponsor, Olympic Games Exhibition Committee.)

UNTIL AUG. 14

*International Exhibition and Conference on Landscape Architecture.* At County Hall, S.E.1. (Sponsor, ILA.)

UNTIL AUG. 12

Prof. S. Giedion. *The Relation of Painting, Sculpture and Architecture.* At the School of Hygiene and Tropical Medicine, Keppel Street, W.C.1. (Sponsor, MARS and Institute of Contemporary Arts.)

AUG. 18

*Exhibition of Original Textile Designs.* In Murray Hall, Tilbury House, Petty France, S.W.1. (Sponsor, CID.)

UNTIL AUG. 26

*Exhibition of Photographs and Models of Windmills.* At the Victoria and Albert

### Museum, South Kensington. (Sponsor, V. & A. Museum.) UNTIL AUG. 26

*TUC Memorial Building Competition: Exhibition of Premiated Designs.* At the Building Centre, 9, Conduit Street, W.1. (Sponsors, BC and TUC.)

UNTIL AUG. 27

*Machine Tool and Engineering Exhibition.* At Olympia. (Sponsor, Machine Tool Trades Association.)

AUG. 26-SEPT. 11

*TCPA Dutch Tour.* (Sponsor, TCPA.)

FROM SEPTEMBER 11

*Biology and Civil Engineering Conference.* September 21. Morning: *Causes, Effect and Prevention of Soil Erosion.* Afternoon: *The Effect of Vegetation on Drainage and Floods.* September 22. Morning: *The Effect of Vegetation in Stabilizing Artificial Slopes.* Afternoon: *The Use of Vegetation to Stabilize Sand Dunes.* September 23. Morning: *The Effect of Vegetation on the Settlement of Roads and The Effect of Vegetation on The Settlement of Structures.* Afternoon: *Algal Growth and Engineering Design.* At the ICE, Great George Street, Westminster, S.W.1. (Sponsor, ICE.)

SEPT. 21-23

**MARGATE.** *Exhibition of British Book Designs, 1948.* At the Public Library. Margate. (Sponsor, ACGB.)

UNTIL AUG. 13

**PRESTON.** *Design Fair.* At the Harris Museum and Art Gallery. Preston. (Sponsor, CID.)

UNTIL AUG. 14

### COMPETITIONS

**RIBA Prizes for Public and Secondary Schools:** A total of 10 guineas in prizes is offered for: 1. The best original illustrated essay dealing with a building or group of buildings with which the competitor is personally acquainted; 2. The best sketches or scale drawings of a building or part of a building in pencil, ink or colour, maximum size 30 in. by 22 in. Assessors: H. T. Cadbury Brown, Hugh Casson, E. R. Jarrett. Further information from the Secretary, RIBA, 66, Portland Place, London, W.1. Entries by October 7.

**RSI Prize Competitions:** John Edward Worth Prize (£40) for an essay on *Practical Improvements of Appliances or Inventions in or about Dwelling-Houses*, and John S. Owens Prize (£15) for an essay on *Atmospheric Pollution.* Apply Secretary, Royal Sanitary Institute, 90 Buckingham Palace Road, London, S.W.1, for general conditions. Entries by December 31.

## NEWS

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

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

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

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

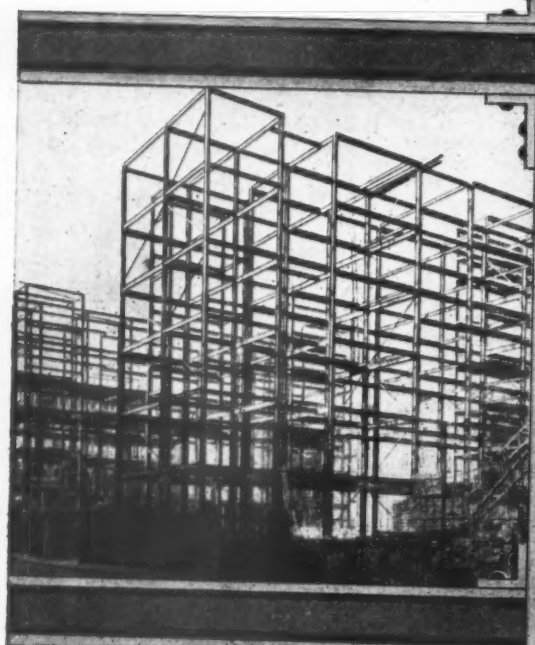
### ★ The Committee on the QUALIFICATIONS OF PLANNERS

*invite written evidence from interested bodies or persons.*

The Chairman of the Committee is Sir George Schuster. The Committee's terms of reference are: "To take account of the present and prospective scope of town and country planning and to consider and report what qualifications are necessary or desirable for persons engaged in it, and to make any recommendations affecting those persons which appear to be relevant." Memoranda of evidence from Scotland, as well as from England and Wales, will be received by Mr. H. R. Pollitzer, the Secretary of the Committee, at the Ministry of Town and Country Planning, 32, St. James's Square, London, S.W.1.



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## From AN ARCHITECT'S Commonplace Book

**ROCAILLE.** [*From Mechanization Takes Command, by S. Giedion (Oxford University Press, New York).*] With the certainty and sureness of accumulated experience, seemingly improvised shapes are instilled with that unique fusion of discipline and flexibility which runs through the operas of Mozart. For this union of discipline with flexibility, wherein objects are formed as if eternally in flux, the late Baroque invented a symbol in which all these qualities are gathered: the Rocaille. The shell-form, with which a boneless organism surrounds itself and in which are joined the eternity of stone and the flux of living waters, seems as if created to express the will of this late period. The early phases, dating back to the Renaissance, are well known. Now a radical transformation takes place. The shell is transmuted to seaweed, lace, or other forms. It swells, becomes membrane-like, is broken up, or indented, until the naturalistic form is changed into a sign or, as the modern painters say, transformed into an object. These signs appear singly or strung in C or S shapes, contrasting with or supporting other elements. Here fantasy freely plays amid the flexibility, finesse, and generosity of this late period. The search for comprehensiveness appears everywhere, using the curve to embrace individual parts; in urbanism, in the layout and inter-relation of squares and places, in the rounded corners of the interiors. This unique meeting of reason with the richness of organic form is nowhere more marked than in furniture, always so difficult of development. In furniture it is as if the store of experience accumulated since the late Gothic were suddenly bursting forth: the curved commodes, the mobile cylinder tops of the desks, and the finely modelled sitting or reclining furniture.

### A CRAFTS CENTRE FOR GREAT BRITAIN has now been created.

Its main object is: "The preservation, promotion, and improvement of fine craftsmanship in Great Britain." The centre is organized by the Arts and Crafts Exhibition Society, the Red Rose Guild of Craftsmen, the Senefelder Club, the Society of Scribes and Illuminators, and the Society of Wood-Engravers. Officers of the centre are:—*Chairman:* John Farleigh, R.E., R.B.A.; *Council:* Edward Barnsley, C.B.E.; Heber Mathews, A.R.C.A.; Hebe Cox; Stanley W. Davies, M.A.; Edwin la Dell, A.R.C.A.; Claire C. M. Evans; Iain Macnab, R.O.I., R.E.; Harry Morris; John O'Connor, A.R.E., A.R.C.A.; M. C. Oliver; Margaret Pilkington, M.A.; Russell Reeve, A.R.E., R.B.A.; Francis Spear, A.R.C.A.; Noel Carrington, Council of Industrial Design; Sir Charles Tennyson, Chairman, CIAD; Philip James, Arts Council; Cosmo Clark, Rural Industries Bureau; G. R. Hughes, Worshipful Company of Goldsmiths. *Trustees:* Sir Charles Tennyson; Professor A. E. Richardson, R.A.; Sir Leigh Ashton, Victoria and Albert Museum.

The centre's temporary address is 6, Queen Square, London, W.C.1. To pay for proper premises and the running of the centre, £6,000 a year will be required. Up to half of this will be donated by the Government on a basis of £1 for £1, provided that a minimum of £2,500 a year can be assured from other sources.

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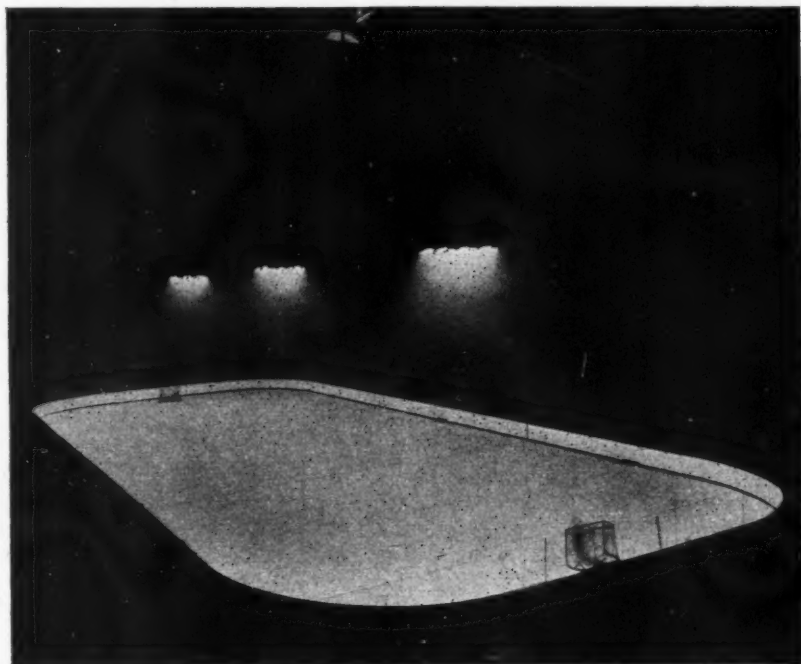
### A New Town at BRACKNELL, BERKS., has been proposed, and a Draft Designation Order made for the New Town of BASILDON.

The proposal to establish a New Town at Bracknell, Berks., was discussed at a meeting between the Minister of Town and Country Planning and the local authorities concerned at the Ministry's headquarters at 32, St. James's Square, London, on August 4. General agreement in principle was reached. A letter sent by the Minister to local authorities stated that the Minister had had in mind for some time the urgent need to find an outlet for the excess population and industry of the overcrowded districts of West London. No surplus land to assist the West London authorities is available in neighbouring districts, while large scale development in outer Middlesex would

encroach on the Green Belt and valuable market garden land, and interfere with the working of essential gravel and sand deposits. The Minister is convinced therefore that the only solution is to find an outlet further to the west. Among other possibilities the expansion of Bracknell has been examined, and the Minister proposed that the town should be expanded from its present population of some 5,000 people to approximately 25,000. He thinks that considering the size of the present community it would be in the national interest that this task should be undertaken by a Development Corporation under the New Towns Act.

The Minister has made a draft order designating as the site of a proposed New Town 7,850 acres at Pitsea and Laindon,

Essex, to be known as Basildon, and which will ultimately house about 50,000 people. The Minister explains in a memorandum obtainable at the Ministry or the local authority offices concerned, the purpose and history of the proposal, together with the reasons for wishing to employ the machinery of the New Towns Act. The creation of Basildon will relieve the congestion in East London, and will help remedy the situation in parts of the area where accommodation is below modern standards and lacking in amenity. Industry will also move out from London, so that homes and workplaces will be close to each other. Basildon will not become a dormitory town. If any objection is made to the proposed order on or before August 28, 1948, a public local inquiry will be held.



The lighting of Wembley Stadium for Olympic Games events that are held after dark presents special problems which vary with the type of event and the area to be lit. The photograph above shows the lighting over the Empire Pool Ice Rink. It consists of banks of blended tungsten and mercury lamps with a restricted cut-off to prevent an excessive spill of light over the seating area. The lighting is the work of Metropolitan-Vickers Electrical Co. Ltd., in co-operation with the stadium engineers.



## London Scene

The fine weather at the end of last month turned London's attention to its open spaces, and the parks were crowded. There are many who feel that a fuller use could be made of the parks with which London is exceptionally well provided if there were better amenities in the way of cafés and the like. Lessons can be learned from many European examples. In London it is encouraging to see that

with the proposal to provide a swimming pool and cafeteria on the shore of Regent's Park Lake (illustrated in last week's JOURNAL), MOW is considering the use of the Royal parks for recreation in the fullest sense of the word. The LCC have also shown signs of enterprise in the parks in their charge. The photograph above shows the site of the new project in Regent's Park.

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*The Central Land Board have announced the arrangements affecting SINGLE PLOT OWNERS under the 1947 Town and Country Planning Act.*

Many people who bought plots of land at "building-site" prices before the Town and Country Planning Bill was introduced in January, 1947, have asked the Central Land Board if they will have to pay a development charge when they build. The Board now announce arrangements which affect private owners who owned single plots before January 7, 1947. They will be entitled, if they start to build a house on the plot for their own occupation on or before January 7, 1952, to a payment from the £300,000,000 fund equal to the development value in the land for the erection of a house. This should mean, in the absence of any marked change in market values, that the payment from the fund will broadly cover the development charge. This payment will not be available until after the Scheme for payments has been made and approved by Parliament, but these owners will be able to set off their development charge against it. • They must put in a claim for a payment before March 31 next, and the Board advise them to do so as soon as possible. These arrangements, which the Central Land Board are now authorized to make, give effect to statements made by Ministers in Parliament during the passage of the Bill.

A further announcement by the Board is to the effect that many people believe that if planning permission was obtained before July 1 (the "Appointed Day" under the Act), a charge is not payable for development begun after that date. This is not by itself a qualification for exemption. Land can only be certified as "ripe for development" (and therefore exempt from charge) if a building contract made within ten years before January 7, 1947, was in force on July 1, 1948, or if a by-law submission or a building application was made within the same ten-year period. Before development on such land is exempt from charge a certificate must be obtained from the Minister of Town and Country Planning. Application for such a certificate should be made before July 1, 1949, or within such extended period as the Minister may allow in any particular case.

## NEWS IN BRIEF

### *The death of Mr. Leonard Gray Ekins*

has been announced. From 1916 to September, 1942, Mr. Ekins, who was a Fellow of the RIBA, was chief architect to the Co-operative Wholesale Society, Ltd., and before coming to London worked in the Society's Newcastle office. Upon his retirement in 1942 he went to live at Hunstanton, Norfolk, where he became a councillor and chairman of the gas and water committee, and acting architect for the L'Etrange Arms Estate. He was responsible for a great variety of buildings for the CWS, among the most recent and important being the Society's new administrative offices in London and the flour mills at Royal Victoria Docks which is one of the largest flour milling projects in Britain. Mr. Ekins was born in 1877.

### *Mr. P. Elton Longmore*

has been appointed by the Minister of Town and Country Planning to be a member of the Welwyn Garden City and Hatfield Development Corporation which was set up in June. Mr. Longmore was until recently clerk to Hertfordshire County Council.

# INCENTIVES IN THE BUILDING INDUSTRY

**D**ESPITE the reluctance with which employers and operatives came to an understanding on an incentives scheme for the building industry, the actual working of the scheme has so far been broadly satisfactory to both sides. There are, of course, four "sides" to an industry, if the Government and the public at large are included. It was the Government that forced the industry to accept an incentives scheme in 1941, and which pressed the employers' and operatives to agree a new scheme in 1948 (the war-time scheme having lapsed); as for the public, it will hardly be content until it sees that the new scheme has resulted in an effective reduction in building costs.

The president of the NFBTE, in a recent statement, emphasised that the two main objects of an incentives scheme were the reduction of costs and the increase of production. On the whole, some increase of production seems to have been secured. This has been suggested by the results of a questionnaire to its members sent out by the NFBTE, but the results of the enquiry are not yet complete. (In view of the fate of so many of these questionnaire enquiries, it is to be hoped that the results will soon be published in some detail, whether they are complete or not.) Apart from the questionnaire, common knowledge and statistical results of building progress, especially of new housing, support the view that productivity has risen since its post-war slump. On the second point, reduction of costs, there is as yet no evidence to suggest that much has been accomplished.

The application of payment by results seems to be following in 1948 the same course as in 1942. This is not surprising; though it is surprising that the industry is surprised by it. The old discovery is being made that there is a wide range of productivity as between gangs and between individual workers. Some make 25 per cent. or more over the standard rate of wages; others hardly anything at all.

Payment by results in some cases leads to improved site-organisation. This, too, was known before, and received detailed consideration in the official reports issued on the earlier official scheme. It is, however, difficult to apply to maintenance and repair work—again, this was the common experience in the war. But the most significant point about payment by results, as it now works, is that the workers are welcoming it. Once they are accustomed to the principle of gaining extra payments with output, it will become embodied in the accepted ideas of the industry. It is a most valuable principle. It can only survive, however, in an age of full employment. The least sign of chronic unemployment among building workers would arouse all the old suspicions, and wipe out the enormous advantage won in persuading the operatives to see that they could gain from a system of high productivity. Thus, the present experiment can only succeed if building



unemployment is avoided, and if the "capital cuts" are not too ruthlessly applied.

The technical problems of applying payment by results can gradually be overcome so long as the employers and the operatives remain persuaded that their own interests are well served. The Federations are now concerning themselves with the application of the principle to maintenance and repair work, in which output is reported to be specially low. Any workable system for increasing productivity here would very shortly repay the cost of research and administration. At the same time, the mere extension of the principle would be valueless if the gains secured could not be consolidated. There must be a large programme of new works (apart from housing) where payment by results could be fairly easily adopted, and possibly the first endeavour should be to include this work, and the second effort only reserved for the difficult maintenance field. In the latter case, possibly something quite different from the measured work target needs to be adopted—some form of sub-contracting, organized however on a large scale. Payment by results is no panacea; it will not of itself obviate the need for a drastic overhaul of the structure of the industry; now it has come into being, the important thing is that it should be given a chance to prove itself over a reasonable period.



*The Architects' Journal*

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

Phone: Whitehall 0611

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

### LANDSCAPE IN THE NEWS

My congratulations to Brian Hackett (at one time editor of the AJ's Planning Supplements) on his appointment as Lecturer in Landscape at Durham University. His lectureship is the first of its kind in the country, and as Durham was also the first university in the Empire to have a degree course in town and country planning, it can claim (along with Liverpool) to be a real pioneer in this field.

It is significant that in American universities there are already eight fully established chairs of landscape architecture, to say nothing of dozens of chairs of town-planning (of which Britain's Christopher Tunnard holds one), so this country has a long way to catch up. A beginning has now been made, however—and not only at Durham, but in London, too. London University is also to have a Lectureship in Landscape, starting in the autumn. The appointment has yet to be made.

The two lectureships have been made possible by funds provided jointly by ICI and the Associated Portland Cement Manufacturers. The funds will be administered by the Institute of Landscape Architects, whose efforts have largely been responsible for this new step forward. The Institute, though very young compared with other professional bodies, has made itself increasingly respected under the direction of its energetic president, Geoffrey Jellicoe. Its latest and most ambitious enterprise is this week's conference at County Hall, London: 110 landscape architects from 14 countries met and discussed landscape in relation to industry, housing, and so on, for four days. During the week-end they will

be touring Cambridge, the Cotswolds, Kent and the Thames Valley.

The exhibition at County Hall (which is open to the public) shows work from all the countries that have sent delegates. It has rather a scrappy look, perhaps because different countries seem to have quite different ideas about what is a landscape architect. Belgium sends garden designs of the most conventional kind, while America sends air views illustrating city planning, impressive as pictures, but remarkable in most cases for the absence of green spaces of any kind—or that was my impression.

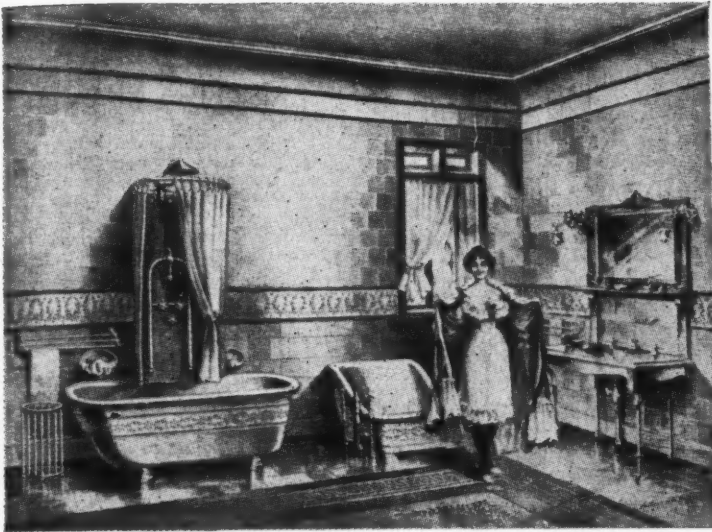
But there is plenty of interesting material, and the exhibition is valuable if only because it shows how urgent and various are the problems landscape architects have to face. Personally, I hope the Institute will soon turn its attention to wider issues than those of tree-planting round factories and the lay-out of municipal parks—wider even than the landscaping of the new towns. The whole face of Britain needs saving, and someone has got to do it—saving from the military, who plough it up with tanks, and the electrifiers, who tangle it up with wires, and not only with the object of protecting what is left of our old landscape from such attacks but of building up a new, live landscape tradition.

One subject I particularly recommend for their attention: the need for planting new forest trees. The latest town-planning legislation protects old buildings and controls the disposition of new ones, and there are now regulations to prevent the wholesale destruction of woodlands. But though the Forestry Commission's coniferous plantations are doing a lot to renew the supply of usable timber, it seems to be no one's responsibility to see that the trees in our hedgerows and spinneys are systematically replaced. We are now reaping the benefit of our grandparents' altruism and foresight, but what will our grandchildren think of ours?

### DR. GIEDION TAKES COMMAND

Readers will have seen in last week's JOURNAL an announcement that Dr. Giedion of Zurich is visiting England





An illustration from Sigfried Giedion's book *Mechanization Takes Command*. [See Astragal's note.] It shows an English bathroom of about 1901. Emerging from its nomadic and semi-nomadic phases the bathroom has become a permanent part of the well-to-do English household. It is a large windowed room, on which luxury is not spared. One such bathroom usually served the entire household. It is conceived as a room with furniture, not as a mere annexe to the bedroom.

next week and is to give a lecture on August 18 at the London School of Tropical Medicine. The lecture is being organized jointly by the MARS Group and the Institute of Contemporary Arts, whose inaugural exhibition of modern paintings in Oxford Street last winter is still talked about in art circles. Dr. Giedion is to speak on architecture in relation to the other arts, and is certain to attract a crowded house. Sir Leigh Ashton will be in the chair.

It is a pity the English edition of Giedion's new book cannot be brought out in time to coincide with his visit. His earlier book, *Space, Time and Architecture*, has become a classic. Its sequel, which is called *Mechanization Takes Command*, published in America a few weeks ago by the Oxford University Press, is obviously destined to become a classic too, and in a much wider field than the architectural. It is a monumental work (760 pages, quarto), and discusses in a most illuminating way the impact of machines—and ideas about design and production deriving from machines—on all aspects of Western civilization.

The wide range of the book's material (and the wide range, incidentally, of Giedion's knowledge) is suggested by a glance through the contents pages.

From the six pages of chapter titles and sub-titles I pick out the following, more or less at random: "The Beginnings of the Assembly Line," "The Safe and Burglar-Proof Bank Locks," "The Rediscovery of Nature in the 18th Century," "The Middle West and Mechanized Agriculture," "Movability in Gothic Furniture," "Napoleon and the Devaluation of Symbols," "Posture in the 19th Century," "The Sleeping Car in Europe," "The Cast Iron Range," "The Mechanization of Meat Production," "The People's Bath in the 'Eighties."

#### HAIL, BORAX

Several new words have recently been added to the architect's vocabulary through the agency of *The Architectural Review*. Examples are Shara-waggi and The New Empiricism. A new one is likely to be Borax, which occurs in print, I imagine for the first time in England, in this month's number of the *Review*. An article by Edgar Kaufmann on the phenomenon of American stream-lining explains in a footnote that it is the trade term for "flashy, bulbous modernistic design."

Its correct use is well illustrated by the *Review's* quotations from the report of a discussion on industrial design recently held at the Museum of

Modern Art. Mr. Ray Patten (design director of GEC): "One person likes a borax job, another a simple one. Of course that depends on location, national or local; in Boston it is conservative; in Brooklyn it is borax." I prophesy that this useful word will be quickly taken up in this country.

ASTRAGAL

## LETTERS

F. Moate, A.R.I.B.A.

S. E. Cooper, A.R.I.B.A.

Dex Harrison, A.R.I.B.A., A.M.P.T.I.

R. Hardy, A.R.I.B.A.

W. Crabtree, F.R.I.B.A.

A. G. S. Fidler, A.R.I.B.A.

N. J. Aslan, A.R.I.B.A.

### Round the Table.

SIR.—Your recent "Round the Table" discussion on Public versus Private Practice omits an important point.

We note Mr. de Syllas's outline of a progressive climb up the ladder until the stage of County Architect is reached. The important point is, however, that there exists a stage in the public office beyond which less and less direct responsibility for the actual design and carrying out of work is accepted by the architect. Surely to design a building and control and direct its erection until it takes the form of his original conception, is the ambition of the true architect? But in actual fact, in many public offices more and more time has to be devoted to the committee than to the drawing board, and if he wishes to devote his time to the drawing board and not to the committee, our architect must rest content with a salary of about £800 per annum. Therefore it seems that he must sacrifice any improvement in salary or status if he is to achieve what he believes to be his ambition.

Is not some form of group practice, run on co-operative lines, the means whereby the individual architect is best able to express himself?

Meriden

F. MOATE,  
S. E. COOPER

SIR.—The letter from the County Architect for Bucks raises in an acute form a fundamental problem with which the architectural profession must grapple. He says "the overall cost to the Council of the architectural work carried out in my department is approximately half of what it would cost them in architects' fees if the work were put out."

Claims of this sort are not infrequently made on behalf of such departments, and, if substantiated, then they imply that one section of the profession is undercutting the rest, and that, if the minimum scale of fees to which private architects must adhere is reasonable, then the salaries paid to architects in official capacities are too low. Such a situation may well mean the complete liquidation of the private practitioner, and in the process the overall payment to architects for their services may be very seriously reduced—it may even be halved. This in turn may seriously impair the quality of architecture in that the best brains will tend to seek employment in other more lucrative work. Is it not already being urged that

## INTERNATIONAL LANDSCAPE ARCHITECTURE



An International Landscape Architecture Exhibition, sponsored by the Institute of Landscape Architects, is being held at County Hall, S.E.1 until August 21. (See AJ for June 24.) Examples of historic and modern landscape architecture are on show from fourteen countries. Top, a Swedish example: the Recreation Ground of the Chocolate Factory of Marabow, laid out by Sven A. Hermelin and Inger Wedborn. Centre, two photographs from the historical section showing views of the

gardens of the Villa Medici at Rome. Left, the vista from the portico showing the gardens in their present state; right, a seventeenth century painting of the same part of the garden from the outside of the villa. Below, a modern American landscape: an aerial view from the west of Jones Beach Park on the South Shore of Long Island, built in 1931 by the Long Island State Park Commission. This vast artificial layout may properly be called landscape engineering rather than landscape architecture.



the best brains are not going into salaried service?

Before we can take any effective action, however, we need to be quite sure as to what the costs of official departments, taken over a long period and bearing all proper overheads, actually work out to be, for did not the County Architect for Kent, who employs private architects on some of his work, claim recently that it actually paid him to do so? It would not seem to be a very difficult undertaking to get a few independent audits of typical establishments, and this is a work that I feel should be put in hand by our Institute. It is in the interests of all architects that the whole issue should be investigated in an amicable and unembittered spirit.

London.

DEX HARRISON.

SIR.—Mr. Maunder the County Architect of Bucks, in his letter published in your issue of July 29, defends an accusation that his department is run on uneconomical lines by the statement that the overall cost to the Council of architectural work is approximately half of what it would cost in fees paid to outside architects. If this statement is correct, and Mr. Maunder must substantiate this by producing the necessary figures, the fundamental reason for the rapid rise of architectural bureaucracy has at last been publicly exposed.

As the proverbial Field Marshal's baton is in the knapsack of every British soldier, so the chance of a successful architectural career should be open to every architect. Each and every architect, however, on qualification, solemnly undertakes to abide by the Code of Professional Practice, of which one of the clauses reads as follows:—

"An Architect must not attempt to supplant another Architect, nor must he compete with another Architect by means of a reduction in fees or by other inducement."

The official architect cannot be accused of unprofessional conduct because he is instructed by his employers to increase the executive staff of his department, in order to reduce the cost of outside professional fees; nor can the official architect be blamed for seizing the opportunity of his career, whereby he has the chance of producing architecture without the financial commitments or the legal obligations of the private practitioner. The situation is rapidly developing, however, whereby the official architect is supplanting the private architect by what is tantamount to a reduction of fees, and one is led to speculate on how long it will be before other official bodies will discover the loophole whereby they can obtain "wholesale" architecture.

Mr. Maunder's analogy hits hard at his less fortunate brother architects bound by the Scale of Professional Fees. It is very doubtful if any "official" office could compete either in efficiency or in the standard of architecture with the "private" office, working on the same terms and with the same financial and professional freedom.

Kew.

R. HARDY.

### Reilly Scholarship and Medal Fund

SIR.—The Committee of the "Reilly Scholarship & Medal Fund" would now like to close the Fund so that the Medal may be prepared and the Scholarship initiated.

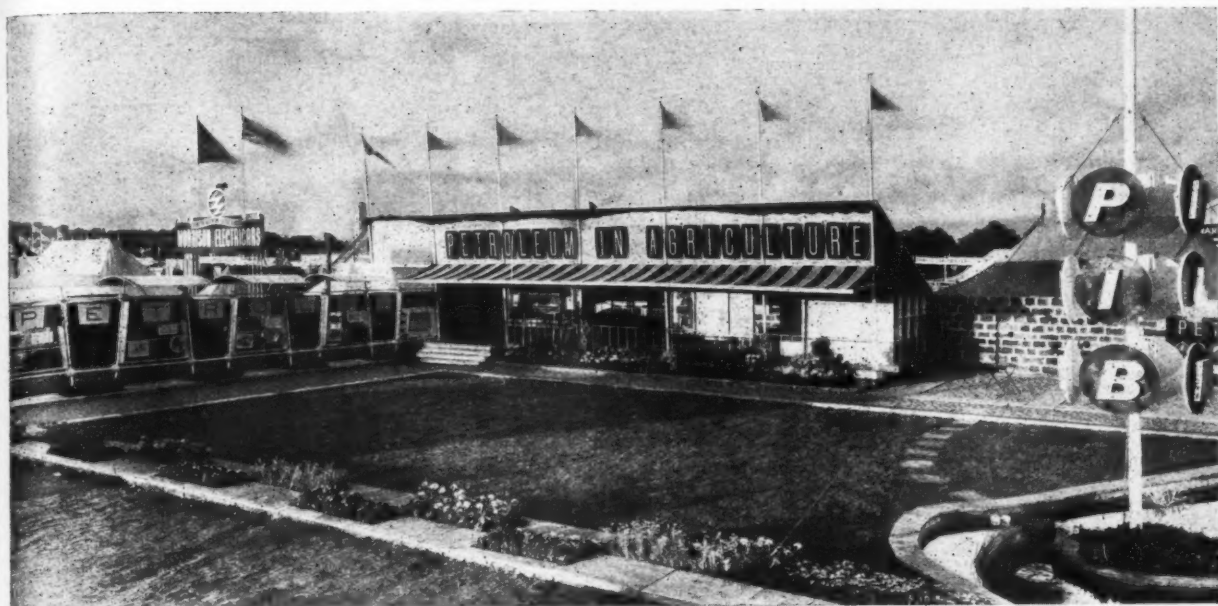
The Committee would, therefore, be grateful if old students and friends of Professor Sir Charles Reilly who have not yet subscribed and would like to do so, would send their contributions as soon as possible to the Hon. Secretary, A. G. S. Fidler, 19, Ailsa Road, St. Margarets, Twickenham.

W. CRABTREE

A. G. S. FIDLER

N. J. ASLAN (Chairman)

London



*From the main avenue*

# TWO EXHIBITION STANDS

I: AT ROYAL AGRICULTURAL SHOW, YORK

BY DESIGN RESEARCH UNIT

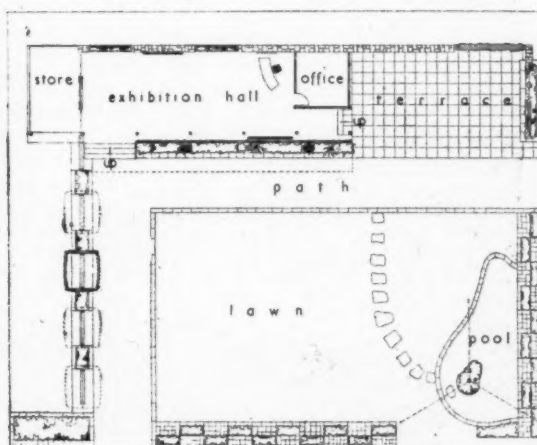
[ARCHITECT: BRIAN PEAKE

CONSULTANT: MISHA BLACK]

*Below, the entrance*



GENERAL.—The main requirement was to provide a centre at which farmers interested in the use of petroleum in agriculture could obtain information and discuss problems. The site of 100 ft. by 80 ft. faced the main avenue, with a secondary frontage on a subsidiary avenue. Standard sizes of tent structural members were incorporated in the design. Canvas colours were: gable ends, chocolate brown; fascia, pale green; blinds, chocolate and buff stripes; laced awnings in pale green and white stripes. The main lettering is in lime green on dark blue panels.







*Above: the exhibition hall  
Below: the stand and the terrace*



STAND AT ROYAL AGRICULTURAL SHOW, YORK





From the north

## 2 : STAND AT ROYAL AGRICULTURAL SHOW, LINCOLN

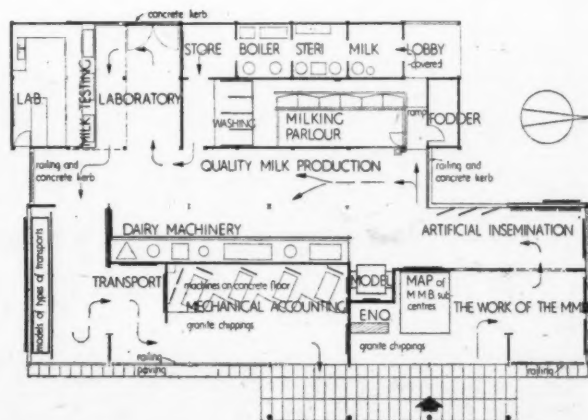
### BY DESIGN RESEARCH UNIT

[ARCHITECT: BRIAN PEAKE  
CONSULTANTS: MISHA  
BLACK, STIRLING CRAIG]

This stand was designed to show the work of the Milk Marketing Board. The laboratory was in full use during the show. The building was a standard steel dutch barn with timber clerestory windows, with end walls and roof in corrugated iron. The floors

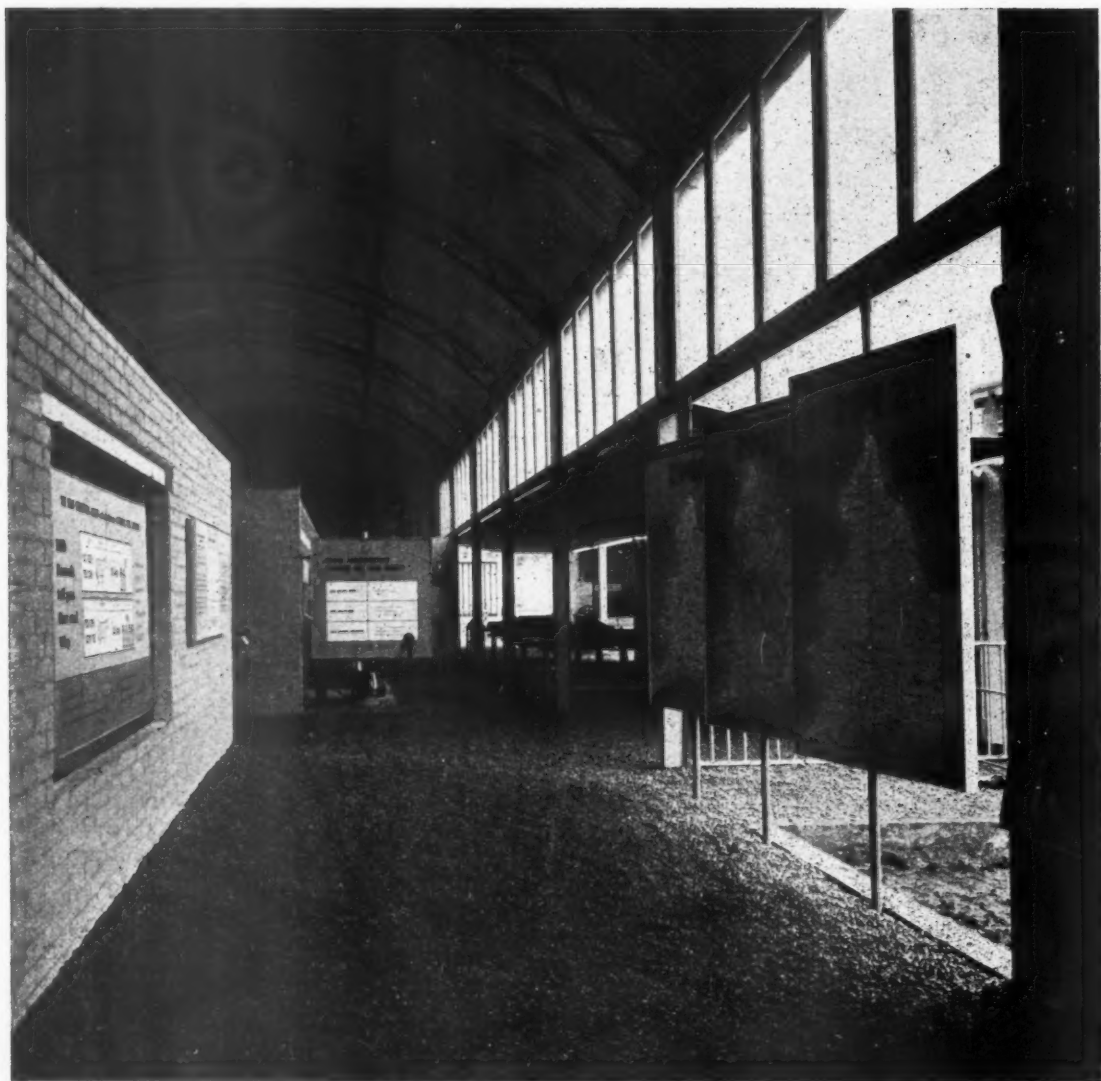
were precast concrete paving or granite chips. The dairy and laboratory, behind the main building, were of standard precast concrete posts with concrete block walls. The roof was of corrugated asbestos with perspex panels.

The transport section



MAIN AVENUE

PLAN [Scale 1/4" = 1'0"]

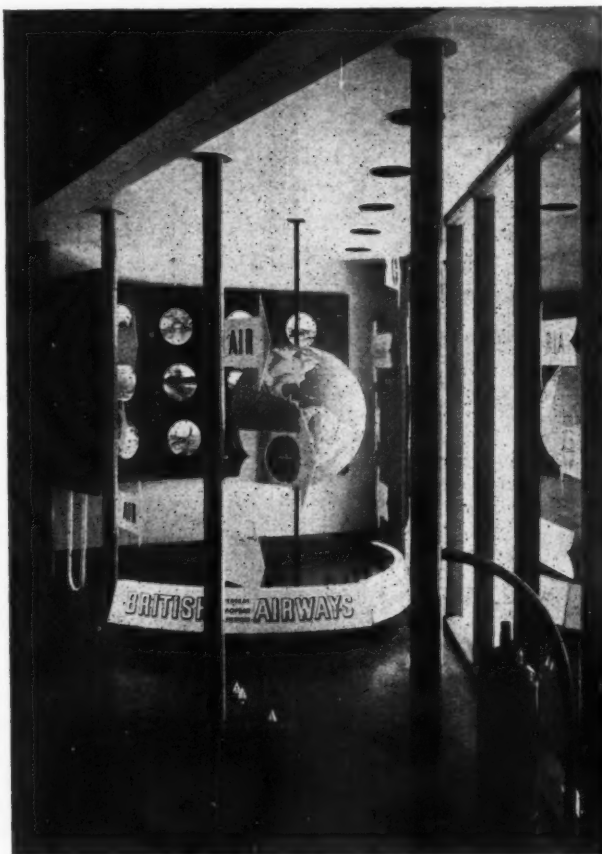


*Above: looking towards the dairy machinery section from the artificial insemination section. Below: from the south east.*



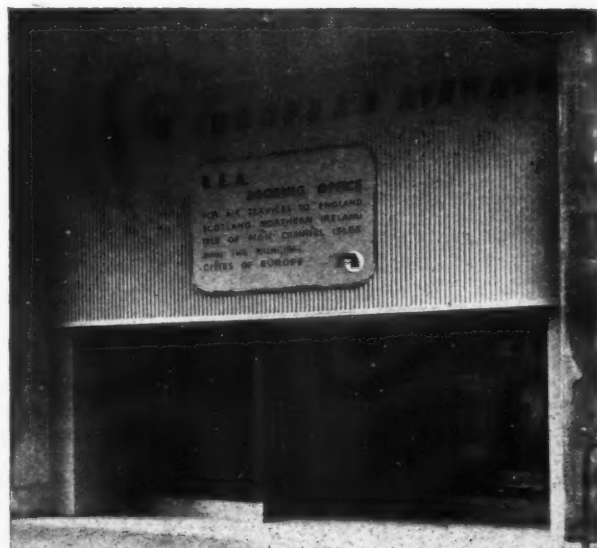
STAND AT ROYAL AGRICULTURAL SHOW, LINCOLN

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# B.E.A. BOOKING OFFICE AT DORLAND HALL REGENT STREET

DESIGNED BY A. F. WATSON



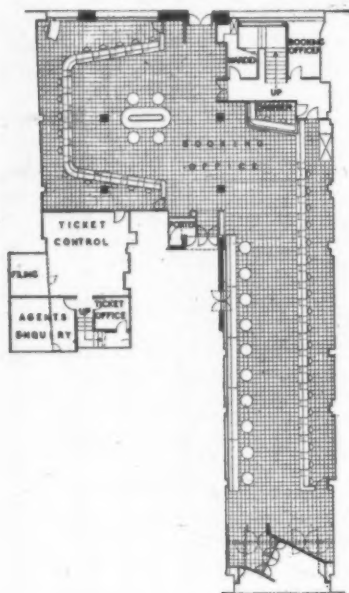
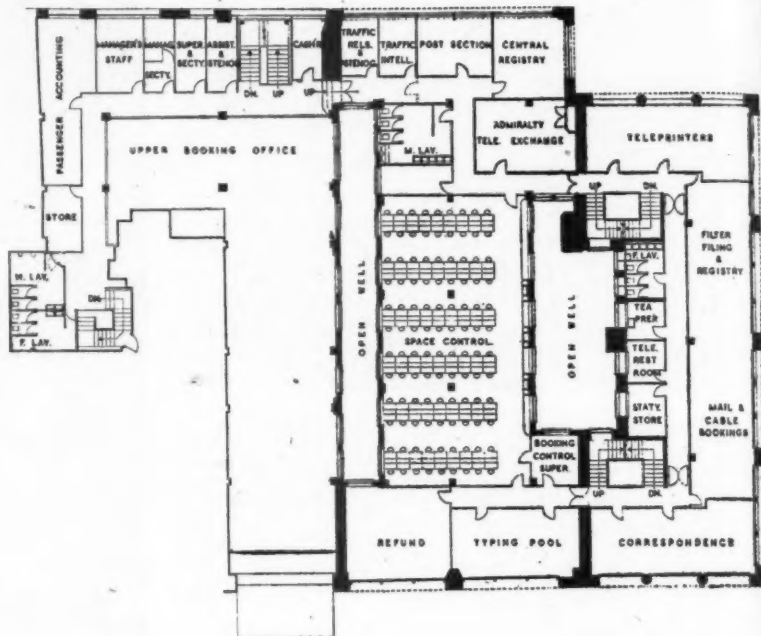
Top left, the rear of one of the booking counters. Centre left, part of the booking hall. Above right, the display window. Left, the elevation to Regent Street.

**GENERAL.**—The problem was to provide in the centre of London within a period of four months a complete booking organisation for British European Airways Internal and Overseas Traffic Department. The plan provides a large booking hall with public enquiry counters, capable of being staffed by 35 clerks and handling up to 4,000 enquiries a day, it also provides booking facilities by 'phone, mail and agents, and with teleprinter link-up to airports and capitals throughout Europe.

**SITE.**—Dorland Hall was chosen as the only suitable site available in the central London area, capable of being modified and adjusted to suit these special requirements.

**PLAN.**—The lay-out of the hall was chosen to provide the maximum length of counter available under the existing site conditions



GROUND FLOOR PLAN [Scale:  $\frac{1}{16}$ " = 1'0"]

FIRST FLOOR PLAN

and to allow easy access to 35 booking clerks working at one time if required, with cashier facilities, public telephones and general enquiries all in the same area. The clear vision through the entrance was made to give an inviting appearance to the public, and the shop front was evolved with an asymmetrical entrance to overcome the difficulty of the centre line of the hall being offset to the centre line of the external stone reveals by a matter of more than 2 ft. The present elevation

is a temporary measure and will be modified after a period, when it is hoped labour and materials will allow for a more permanent front.

**CONSTRUCTION.**—In order to eliminate the undesirable existing conditions of having two steps separating the rear and the front parts of the hall, which, in turn, would necessitate the counter level being at varying heights, the whole of the floor of the main hall was raised by the use of precast foam-slag slabs to a height of approxi-

mately 12 in. The sub-division of the mezzanine for use as offices was governed by the lack of space and the necessity to accommodate a large number of office staff and for this reason laminated plastic partitions were used extensively on the mezzanine balcony in order to economise in timber, and at the same time providing units capable of being re-used as partitions elsewhere.

#### ELEVATIONAL TREATMENT.

—The treatment of the elevation to the main entrance was controlled largely by the existence of heavy steel sections at inconvenient heights supporting a canopy erected pre-war which it was found impossible to alter under present circumstances. The main fascia, therefore, was designed in fibrous plaster and wholly supported from above, thereby screening the beams and providing suitable advertising space both internal and external. The door frames, shop window, and glass screens, were manufactured in imported oak, glazing to the front being in  $\frac{1}{4}$  in. polished plate glass bedded in wash leather.

**INTERNAL FINISH.**—Shortage of time and building difficulties prevented any attempt at re-designing the internal wall faces in the hall to provide flush finished wall faces, existing conditions being the result of numerous

*Below, the main booking hall.*



BEA BOOKING OFFICE IN REGENT STREET





*Above: the space control office ; below: the telephone booths, which are backed with acoustic board*

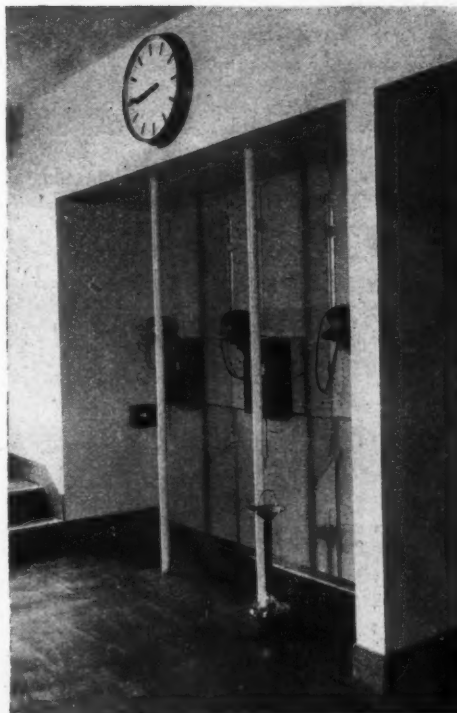
alterations and variations carried out under previous ownerships, and the heating system being by panel heaters seriously curtailed any attempt at unifying the wall treatment.

The Board of Directors commissioned Miss Primrose Harley to paint murals embodying scenes of the temperate Mediterranean and tropical climates on the one side and large maps depicting routes operated by British Airways on the other. The floor of the main booking hall was surfaced with 12 in. by 12 in. by  $\frac{1}{2}$  in. tongued and grooved high density cork tiles finished in a warm brown. The whole of the counter was manufactured in laminated plastic, veneered in a natural chestnut with extruded polished aluminium facing strips. The space control room on the mezzanine floor, which is the centre of the whole booking system, was provided with specially constructed furniture to accommodate 108 operatives, this being split up into 27 ft. 0 in. long unit desks with 18 operatives facing each other

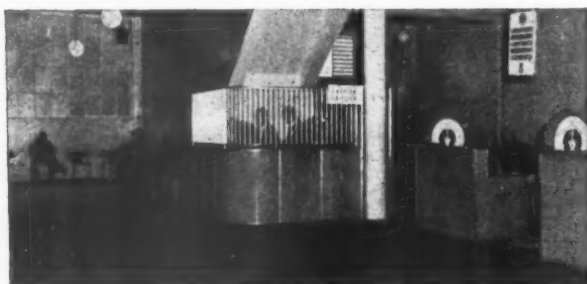
about a central track on which is mounted movable ledger trolleys. These desks incorporated many intricate features necessitated by the requirements of the G.P.O. and Standard Telephones in providing telephone services to so many, each operative being capable of answering any of nine incoming calls per position. All wiring, distribution and indicator panels are concealed in specially designed ducts easily accessible for maintenance. As 90 per cent. of the operatives in this room might be using the telephone simultaneously the whole of the ceiling has been treated with sprayed asbestos in order to minimise the noise factor.

**SERVICES.** — Lifts, heating, ventilation plant, and hot water services are part of the original building and have not been modified in any way.

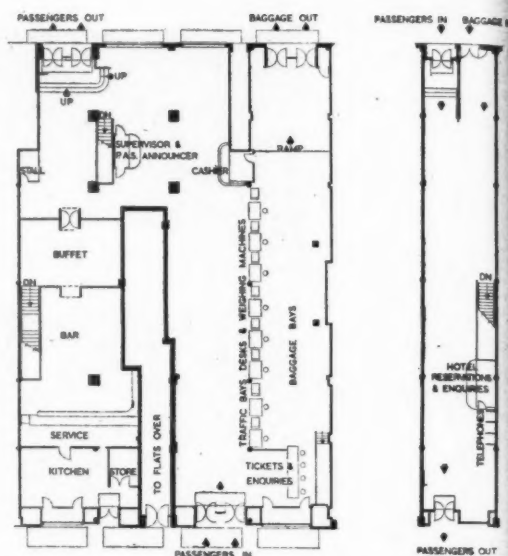
The general contractors were Cubitt Group Co-ordinated Services Section. The furniture was made by Heals Contracts Ltd. For list of sub-contractors, see page 167.



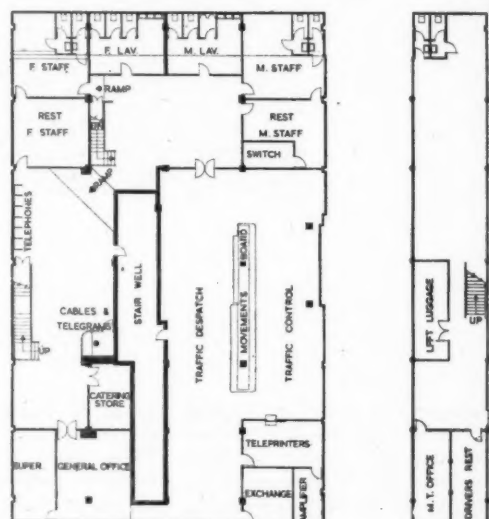
STREET: DESIGNED BY A. F. WATSON



Top: the elevation to Kensington High Street ;  
above: the luggage weighing and cashier's office



GROUND FLOOR PLANS



Departure Block  
BASEMENT PLANS

Arrival Block

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

# B.E.A. AIR STATION IN KENSINGTON

## BY A. F. WATSON

**GENERAL.**—This station deals with passengers to and from all parts of Europe. There are two separate premises on the ground floor of an existing block of flats in Kensington High Street, one for departures, advance booking and baggage handling, with a buffet and waiting room for 1,000 passengers per hour. The other is for the reception of arriving passengers, with luggage depository, and hotel booking and enquiry office.

**SITE.**—The site has an access road at the rear and facilities near for

parking coaches, both essential for the smooth flow of passenger traffic.

**PLAN.**—This was largely dictated by the existing building. The complete separation, but close proximity of, departure and arrival offices was essential.

**INTERNAL FINISH.**—All wall and ceiling surfaces are finished in matt oil paint. Floors are of bitumastic cement tiles. Balustradings to staircases, counters

and desks are in 1-in. laminated plastic with a special chestnut veneer. Cork has been used for desk tops.

**SERVICES.**—Water heating is by electricity. The basement is heated by means of unit heaters placed within the air-conditioning plant. This plant, together with heat units, are housed in the casings forming part of the elevational treatment. The general contractors were Holloway Brothers. For list of sub-contractors see page 167.

CCAGE N



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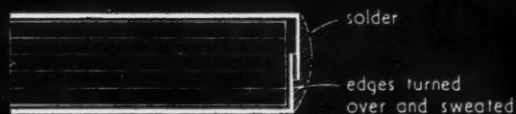
## SHEET MATERIALS | METAL-FACED PLYWOOD

15.Z1

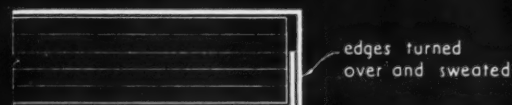
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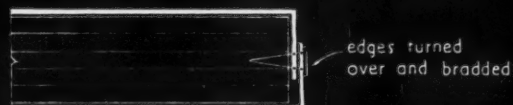
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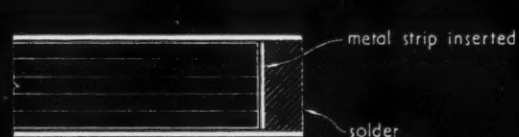
2a.



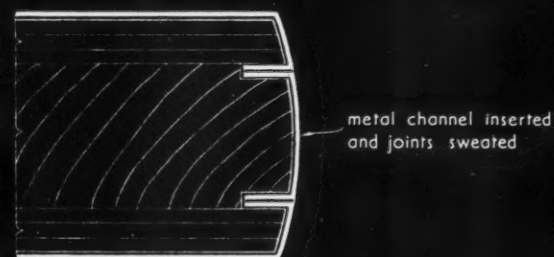
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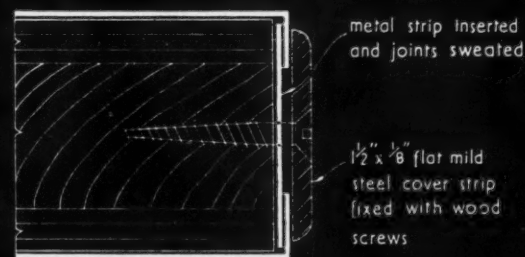
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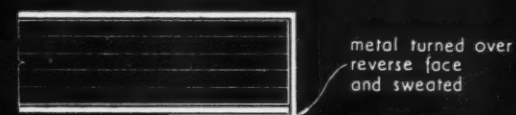
5.



6. - door treatment



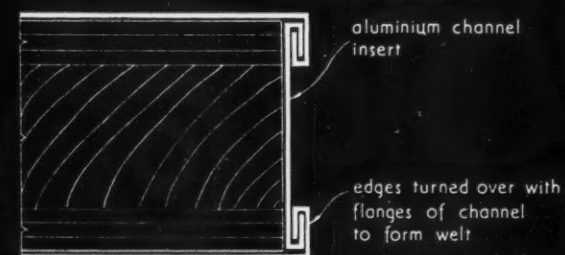
7. - door treatment



8.



9.



10. - door treatment



11.

## 15.Z1 FLEXOMETAL: STANDARD TYPES OF SEALED EDGES

This Sheet describes Flexometal (metal-faced plywood) and illustrates standard types of edge finish for doors and free-standing panels. Sheet 15.Z2 gives examples of panel jointing and built-up sections.

### Material

The material consists of a plywood core with thin sheets of metal cemented to one or both faces with a special adhesive under hydraulic pressure. Metal facings available include galvanised steel, aluminium, copper, bronze (gilding metal), stainless steel, monel metal, anodised aluminium, zinc, brass, lead and tinned copper.

### Weights

The standard weights of panels available for different metal faces are given in the following table. Thicknesses available range from  $\frac{1}{8}$  in. to 1 in. Panels over 1 in. thick can be made to suit requirements. Unlimited areas may be obtained in any metal facing by the use of welded and sweated joints.

Overall thickness	Weight per sq. ft. (lb.)			
	Galvanised steel facings		Aluminium facings	
	Single sided	Double sided	Single sided	Double sided
3mm. ( $\frac{1}{8}$ in. nom.)	1.08	1.70	0.66	0.86
4mm. ( $\frac{3}{16}$ in. nom.)	1.16	1.79	0.74	0.95
6mm. ( $\frac{1}{4}$ in. nom.)	1.47	2.09	1.05	1.26

### Thermal Conductivity

The thermal conductivity of Flexometal is almost the same as that of wood.  $\frac{1}{8}$  in. Flexometal has 2,000

times the thermal insulation value of 22 gauge mild steel.

Although the conductivity of the metal facings is high the fact that the greater proportion of the material is timber and is protected from moisture ensures its maintaining a maximum resistance.

For comparative purposes the thermal conductivity of mild steel is 348.36, and timber 1.0 B.Th.U. per sq. ft. per hour per deg. F. difference per inch thickness.

### Stiffness Factor

The stiffness factor (EI) of  $\frac{1}{8}$  in. Flexometal with galvanised steel on both faces is 14,000.

### Edge Finishes

The illustrations show standard edge finishes for double-sided Flexometal. With single-sided Flexometal the metal is left overhanging and folded over  $\frac{1}{8}$  in. on to the back.

### Finish

Steel facings are zinc-coated to resist rusting and the zinc coating is treated to hold paint.

Other metals are matt or bright polished.

Compiled from information supplied by:

**Flexo Plywood Industries Ltd.**

Address: Flexo Works, S. Chingford, London, E.4.

Telephone: Silverthorn 2666 (8 lines).

Telegrams: Flexoply, Phone, London.

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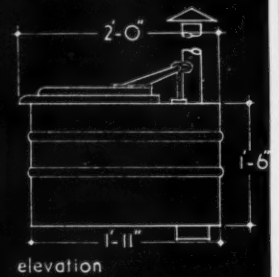
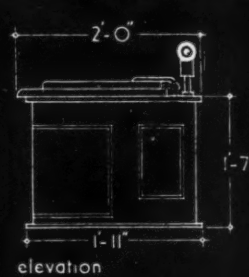
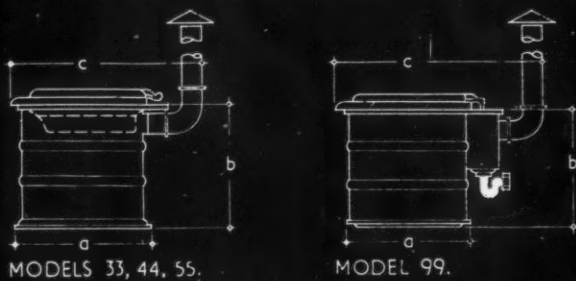




# SANITATION EQUIPMENT CHEMICAL CLOSETS

33.Q1

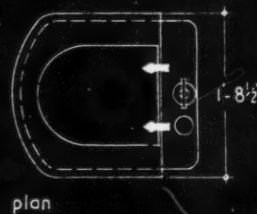
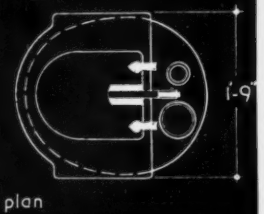
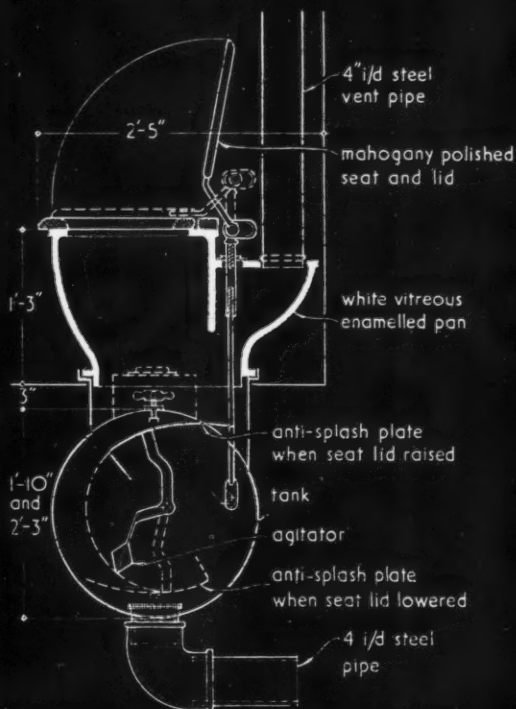
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sizes	model				
	33	44	55	99	caravan
a	1'-2"	1'-5"	1'-5½"	1'-3¼"	1'-2"
b	1'-4¾"	1'-5"	1'-6"	1'-5½"	1'-4¾"
c	1'-8"	1'-11½"	1'-11"	2'-3¼"	1'-3½"

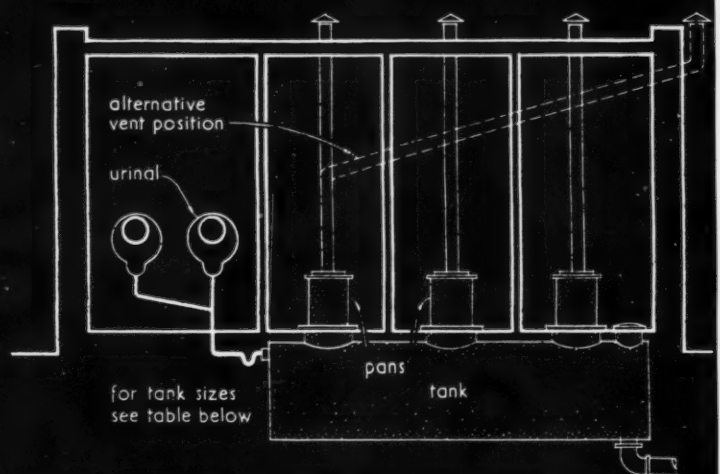
● overall top size: no vent required

TABLE GIVING OVERALL SIZES OF VARIOUS MODELS.

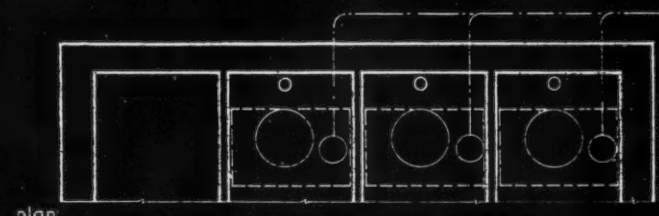
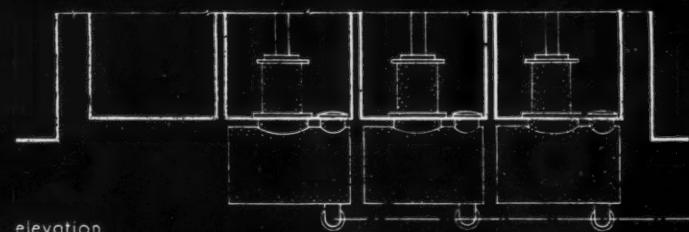
PUMP-FLUSH MODEL  
(NO VENT REQUIRED).MODEL OG (OVER-  
GROUND TANK TYPE).SECTION THRO' UG (UNDERGROUND TANK)  
MODEL.

unit no.	no. of pans	crs. of pans	tank dia.	tank length
UG 30	1	-	1'-10"	2'-11"
UG 60	1	-	2'-3"	2'-11"
UG 100	1	-	2'-3"	4'-3"
UG 150	2	3'-0"	2'-3"	6'-0"
UG 200	3	3'-0"	2'-3"	9'-0"

SIZES OF STANDARD UG TANKS.



TYPICAL UG MULTIPLE UNIT INSTALLATION - MALE.



TYPICAL UG SINGLE UNIT INSTALLATION - FEMALE.

## 33.Q1 · ELSAN · CHEMICAL CLOSETS

**This Sheet** describes Elsan chemical closets. The closets are designed for use where no main drainage system is available. The sewage is resolved by a chemical process (involving the addition of Elsanol or Elkol) into a harmless odourless effluent which requires disposal only when the container is filled.

**Models 55, 44, 33**

These are portable open container types consisting of ventilation chamber, sewage container, urinal guard, ventilation piping, seat and lid. Models 55 and 44 are for general convenience suitable for the average small family, model 33 is for the smaller family in cottage, weekend bungalow, etc.

**Operation:** The sewage container is charged with one gallon of water and one pint of Elsanol chemical, no further attention being necessary until the sewage container is full.

**Capacity and service life:** 55—6 gal., guaranteed service life 10 years; 44—6 gal., guaranteed service life 5 years; 33—5 gal., guaranteed service life 2 years.

**Construction:** All steel with Bakelite seat and lid. **Disposal:** The container is removed and emptied approximately every two to three weeks, according to the number of users.

**Finish:** All metal parts Bonderised. Seat and lid black Bakelite with chromium-plated fittings.

55—Outer casing, ventilation piping and urinal guard stove enamelled eau-de-nil. Sewage container double process vitreous enamelled.

44—Outer casing ventilation piping and urinal guard stove enamelled green. Sewage container vitreous enamelled.

33—Outer casing and ventilation piping enamelled olive green. Sewage container and urinal guard galvanised.

**Model 99**

This is a fixed open container type with overflow system for use in sports clubs, factories, camps, etc., where a large number of persons have to be catered for and where the main use is for urinal purposes.

**Operation, capacity and service life:** Operation as model 55. The container has a capacity of 6 gallons and a guaranteed service life of five years.

**Construction:** All steel with timber seat and lid.

**Disposal:** A 1-in. internal diameter pipe connected to the outlet trap will automatically carry away the liquid waste either to a separate container placed outside the building or to a soakaway. Occasional manual emptying of inner container is also necessary.

**Finish:** All metal parts Bonderised. Outer casing and ventilation piping enamelled Swedish green. Sewage container galvanised. Seat and lid timber polished mahogany finish.

**Caravan Model**

This is a similar design to the portable open container types but needs no ventilation piping and is in addition fitted with an anti-spill plate. Lugs fitted at the base allow for fixing to the floor. Finished in enamelled Swedish green with gold bands. Suitable for caravan, trailer, or water craft.

**Flush-Pump Model**

This portable self-contained type consists of outer casing (with opening front), bowl, sewage container, pump, seat and lid. It is for general convenience, suitable for the average family.

**Operation:** The sewage container is charged with 1 gallon of water and 1 pint of Elsanol chemical. The tank is charged with 3½ gallons of water and ½ pint of Elsanol No. 2.

**Construction:** All steel with timber seat and lid.

**Disposal:** After use the pump handle is operated flushing the bowl with the No. 2 solution. A hinged plate at the bottom of the bowl is automatically depressed, discharging the contents into the container.

**Finish:** All metal parts Bonderised. Outer casing enamelled eau-de-nil, sewage container vitreous enamelled, pump chromium plated, seat and lid timber mahogany polished.

**UG Model (Underground)**

This is a permanent self-contained self-emptying sanitary system consisting of one or more pans, together with an underground sewage tank. It is available with tanks of various capacities as shown in the following table.

Special tanks are made to suit individual requirements.

Model	Bowls	No. of Users for			
		Homes	Schools	Factories	Camps
UG 30 ..	1	3-4	8-10	6-8	5-6
UG 60 ..	1	4-5	10-15	8-12	6-9
UG 100 ..	1	5-6	15-20	12-16	10-15
UG 130 ..	2		20-30	18-24	15-20
UG 200 ..	3		30-40	24-32	22-30

The table is approximate and based on the capacity of the tanks which require emptying about every three to four months in normal daily use.

**Operation:** The underground tank is charged with a solution of Elkol chemical amounting in the case of type UG 30 to one 10-lb. charge in 6 gallons of water.

**Construction:** All steel with timber seat and lid.

**Disposal:** The outlet valve is periodically opened and the contents run into a soakaway pit.

**Finish:** The bowl is of white vitreous enamelled steel, the ventilation piping being finished in green enamel; seat and lid timber mahogany polished.

**OG Model (Overground)**

This model is similar in principle to the UG model except that no tank is fitted, the sewage container being integral with the appliance. This enables it to be fitted on upper floors.

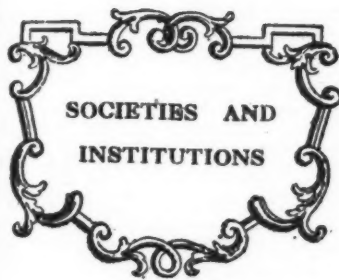
**Soakaway Dimensions for UG and OG Models**

Model	Dimensions of soakaway		
	Length	Depth	Width
OG (Overground) ..	3 ft.	2 ft.	2 ft.
UG 30 (Underground) ..	3 ft.	3 ft.	3 ft. 6 in.
UG 60 ..	3 ft.	4 ft.	4 ft.
UG 100 ..	4 ft.	4 ft.	5 ft.
UG 130 ..	4 ft.	5 ft.	5 ft.
UG 200 ..	6 ft.	5 ft.	5 ft. 6 in.

Compiled from information supplied by:

**Elsan Manufacturing Company.**

Address: 51, Clapham Road, London, S.W.9.  
Telephone: Reliance 2801.



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

ILA

## Ferdinand Duprat

August 9. A report presented by M. Ferdinand Duprat, Chairman of the French Society of Landscape Architecture, at the International Conference on Landscape Architecture. EVOLUTION OF THE LANDSCAPE.

**Ferdinand Duprat:** We are living in troubled, economically unstable, and precarious times. Now, the Art of Gardening has only shone forth in splendour in times of wealth and prosperity, which mark the zenith of civilizations. Without going as far back as antiquity for evidence of this, we can establish in Europe itself that the gardens which stimulate our admiration are, first and foremost, in chronological order, those from the 13th to the 15th century in Spain, those of the 16th century in Italy, and those of the 17th century in France. All of these gardens were regular and conformed with characteristics and requirements peculiar to method, hierarchy, and discipline. They were at their height in France under Louis XIV with Le Notre, particularly in Versailles, where they admitted of five thousand people walking round them every day. Already sacrifices were being made, and with what genius, to social obligations.

In England, however, under the influence of Milton, then with Kent, Brown, and Repton in the 18th century, the taste for liberty reveals itself in the creation of natural scenes which characterize what we term English gardens. The natural landscape, favoured by the climate of Great Britain, was skilfully handled by the great landscape architects of this country, who during the 18th and 19th centuries gave Europe the example for the layout of parks and gardens. Up to that time, these parks and these gardens were private and reserved for the pleasure of kings and lords. It was only in the 19th century that democracy placed the royal gardens entirely at the disposal of the public, and undertook the conversion of free spaces into landscape or

natural gardens which were more suitable for the pleasure of the people taken collectively. This industrial century saw the birth, to the benefit of the workers, of the city-garden at one and the same time in England (Saltaire, Port Sunlight, Bourneville) and in France (Le Vésinet).

### PRESENT-DAY GARDENS, 1940-1950

The last world war aggravated the depression from which our art has been suffering since 1930. During hostilities gardening of course was out of the question, apart from the field of intellectual speculation. One may in addition say that in this order of ideas the war is still continuing. Rationing of every kind, the shortage of materials, and more serious preoccupations bring it about that gardening, like many other things in general, is still in a deep sleep. It seems that the large estate has gone for good. Yet a few persons favoured by fortune—among them some wealthy foreigners—still keep sumptuous gardens, on the Côte d'Azur for example. But the ever-increasing fiscal dues on what the State regards as a luxury, the cost of labour, social costs, and the high cost of manufactures and equipment prevent the majority of proprietors from envisaging such expenses. On the other hand, the extension of social relations and the multiplication of travelling promote an increase in collective gardens: hotel gardens, spas, bathing and health resorts. At last the residential towns, whether commercial or industrial, seem to be preoccupied with the utilization of their green spaces.

The private garden now becomes the small family urban, suburban, or rural garden, and especially the week-end garden which receives the attention of the townsman on Sundays and on a few days during his vacation. These very small enclosures seem to offer little scope for the activity of landscape architects, as their owners, of mediocre means and insufficiently informed, appeal more easily to the limited means of some gardener or other than to a specialist who always makes an impression on them once they know of his existence. But it seems that once economic circumstances are more favourable, numerous groups of people will no doubt call on us for the creation of gardens answering new requirements. It is especially these who are of interest to us, as they represent the future.

### FUTURE PROSPECTS

The fashion seems to be developing towards pseudo-natural scenes, with a pool of water for water plants, ferns and borders of perennials, which give less trouble and are easy to look after, while pavements and Japanese paths are replacing gravelled walks and terraces. Composition, where it exists, is asymmetrical, this more supple form admitting of a maximum exploitation of the small surfaces. In short, every means is being sought to reduce the cost of maintenance. Building architecture will certainly maintain its influence on external decoration. Modern buildings with bare surfaces and monotonous facades will be tempered by the varied silhouettes of plants whose natural beauty is unchangeable.

It might be that large estates are halting their disappearance, or at any rate are modifying their function, for economically they cannot be brought back to life. Certainly, some will subsist as historical monuments: Versailles, Champs, Vaux-le-Vicomte, Chantilly, Rambouillet, Villandry; but many will be and shall have to be transformed and adapted to their new functions. Purchased by public authorities, syndicates, co-operatives, social services of all kinds, they will become preventoria, sanatoria, popular holiday homes, retirement homes, schools, hotels, and research stations. It is believed that the best to be wished for with a view to preserving in them a maximum of character and beauty, would be to transform them in an intelligent manner so as to adapt them to the new requirements which they will have to meet, without thereby degrading them.

It appears to us that the problem put to landscape architects, in the years to come, will be the very immense question of collective green spaces, a very important part of town-planning, which will need to be given careful consideration if we wish to prevent our reconstruction from being anarchical and our towns from being uninhabitable. It is therefore a question of the safeguarding of natural wealth, to which are related the development of touring and the improvement of rural districts. Touring is taking a more and more important place in our customs. Holidays with pay encourage a mass exodus covering seven or eight months of the year, if one takes into account—as one must—the winter sports. In a parallel way the means of transport are developing. It is really a question of the servicing of the country. And in this connection a National Board and county committees have just been created in France for the protection of sites and landscapes. First of all, therefore, the protection of existing green preserves, and then their care. This latter work will be able to be undertaken within the framework of large works of a general interest, such as the creation of electricity producing dams, the construction of motor roads, the organization of the seaford, the development of airports, etc. The American example of the maintenance of the valley of Tennessee or of the Alaska road is there to encourage public authorities to unite economically the useful and the pleasant.

It will be appropriate to attribute great importance to the distribution of verdure in towns. The trees of the avenues, giving beauty and repose to the eyes, compensate partly for the rare occurrence of large isolated parks among the masses of mournful, black buildings. Don't let us ever forget that the trees, the lawns, and the flowers are indispensable to our physical health, that the aesthetic quality of the milieu in which individuals live contributes to their good upbringing, and in consequence to their happiness. To this end, the plans of future towns should be not to put gardens in the town, but rather to put the town in a garden. It is the duty of landscape architects to relieve and to assert the character of our epoch by adapting the art of gardening to new requirements.

## Law Report

*Court of Appeal, July 19.* Before Lord Justice Scott, Lord Justice Asquith and Mr. Justice Jenkins. The Court held that a building licence must be a written document, and that an oral licence given over the telephone by an officer of a local authority was invalid. Mr. Justice Jenkins dissented.

Lord Justice Scott, in the course of his judgment, criticized the system by which the Ministry of Works, through the Ministry of Health, employed officers of local authorities to issue building licences. Although the system was convenient and practical it was open to criticism because of both its secrecy and its doubtful legality. MOH and MOW had circulated instructions about the issue of licences to local authorities, but the public had no right of access to these documents. As to the legality of the system the instructions to local authorities contained sub-delegated legislation in two respects: the instructions were elaborated and authority to use discretionary powers in the issue of licences was delegated to the local authorities. Regulation 56A of the Defence (General) Regulations, 1939, had entrusted those functions to the Minister of Works and to no other authority. The regulation authorized the Minister of Works to choose his own servants for the detailed tasks involved in the issue of licences, but it did not authorize him to transfer his function either to the Minister of Health or to the local authorities: *delegatus non potest delegare*.



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QUESTIONS AND ANSWERS · CURRENT TECHNIQUE  
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## TECHNICAL SECTION

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

### INFORMATION CENTRE

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#### ADDENDA

*This is the first of three issues to be devoted to the inclusion, in brief, of Information Centre items previously omitted owing to shortage of space.*

#### 1.7 sociology

##### HOUSING: SOCIOLOGICAL RESEARCH

*Housing as a Field of Sociological Research.* L. Wirth. (American Sociological Review, Apr., 1947, pp. 137-143.)

Paper discussing three selected approaches to analysis of housing problem from sociological point of view. General outline of those aspects of sociological housing research which have not received sufficiently detailed attention so far. Concise and clear statement based on experience in America but relevant in other countries as well.

#### 1.8 sociology

##### HOUSING: SOCIOLOGICAL RESEARCH

*New Methods of Sociological Research on Housing Problems.* F. Stuart Chapin. (American Sociological Review, Apr., 1947, pp. 143-149.)

Paper describing in detail two methods of surveying sociological aspects of housing. (1) Observational studies using questionnaire methods and sociometric scales to obtain quantitative records of observation. (2) Observational studies under conditions of control using a projected experimental design and an *ex post facto* experimental design. Scientific compilation of important

research data of value in relation to housing survey technique, giving critical comments on limitations of methods.

#### 2.47 planning: general

##### LEGISLATION AND ADMINISTRATION

*Town and Country Planning.* Reference Division. (Central Office of Information, London, No. R.7062, May, 1946.)

Development of control of land use since 1909. Description of problems facing successive Governments and of measures taken in regard to distribution of industry, protection of agricultural land, and preservation of amenities in both town and countryside. Most valuable source of factual information.

#### 2.48 planning: general

##### URBAN FIELDS: DELIMITATION

*The Analysis and Delimitation of Urban Fields.* A. E. Smailes. (Geography, Dec., 1947, pp. 151-161.)

Valuable contribution to important aspect of planning survey technique, discussing geographical and social interdependence of town and surrounding area and drawing attention to problem of determining as precisely as possible nature and extent of urban fields, i.e., territory functionally linked with town.

#### 2.49 planning: general

##### MAPPING TECHNIQUE: GERMANY

*The Stadtpläne (Town Plans).* A.J.M. (British Zone Review, Mar. 20, 1948, p. 16.)

Interesting article depicting new patent method of producing maps of town plans, invented by German engineer. Illustrated.

#### 4.38 planning: urban and rural

##### NEW TOWN IN BRAZIL

*Brazil Builds a New City: Cidade Dos Motores.* P. Lester Wiener & J. L. Sert, Town Planners, and O. Da Rocha E Silva, Architect. (Progressive Architecture: Pencil Points [USA], Sept., 1946, pp. 52-74, and Architectural Design and Construction, Dec., 1946, pp. 323-334.)

New town utilizing experiences in scientific planning and aiming at creating physical and spiritual background to modern Brazilian way of living. Fully illustrated and detailed review of city plan.

#### 5.23 planning: public utilities

##### ROAD TRANSPORT: SWEDEN

*Report of the British Road Federation Delegation to Sweden.* (British Road Federation, Nov., 1946.)

Study report on modern methods of road layout and design in Sweden. Important and informative document showing where

Swedish road development is in advance of British development.

#### 10.34 design: building type

##### HOUSING: GENERAL

*Housing and the Outline Plan.* T. T. Hewitson. (The Planning Officer, J. Town Planning Officers' Section of the Town Planning Institute, Dec., 1947, pp. 88-95.)

Paper discussing housing in relation to town planning, confined to general outline of developments only.

#### 10.35 design: building types

##### REBUILDING BLIGHTED CITY AREA

*Stuyvesant Town.* (Eng. News-Record [USA], Feb. 5, 1948, pp. 185-208.)

Series of eight articles describing various aspects of the redevelopment of a New York City slum.

#### 11.8 materials, general

##### BRICKWORK: THERMAL PROPERTIES

*Thermal Properties of Brickwork.* (British Clayworker, Feb., 1947, 47 pp., 214-215.)

General discussion on the thermal insulation of walls with special reference to the properties of brickwork in this respect.

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

## QUESTIONS AND ANSWERS

#### 2954 BASIC PRICES

**Q** I would appreciate your opinion on just how binding is the Basic Price Schedule incorporated in the RIBA Form of Contract for the use of Local Authorities (Revised 1947).

In the particular contract I have in mind, the contractor submitted in his basic price list a price for bricks which, it is now discovered, was below the market price at the time of tender for the bricks specified in the bill of quantities and was, probably, for an inferior grade of brick to that specified. The contractor has been instructed to use the bricks specified, and the question now arises as to whether the contractor is entitled to be paid the extra cost for supplying the bricks specified or should he bear the cost? The crux of the matter really is this. If the basic price list includes materials of an inferior or superior grade or quality to those specified in the bill of quantities and this fact is not discovered until after the contract is signed, who has to bear the difference in cost when the architect insists upon the materials as specified being used—the employer or the contractor?

**A** In our opinion the basic price inserted by the contractor under clause 25A of the RIBA Contract is for the specified bricks, and the contractor must supply those bricks and cannot substitute an inferior brick. The tender having been accepted with the basic prices, they have, in our opinion, become part of the contract, and are subject to adjustment as provided in clause 25A. In the event of dispute the matter would go to arbitration under the contract.



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RESURFACING OF EXISTING FLOORS BY MACHINE  
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To Whom it may concern.

Dear Sir(s),

### SCHOOLS-WOOD BLOCK FLOORING.

Hitherto the Ministry of Education, owing to their comparatively small allocation of hardwoods, have been able to authorize the use of hardwood block or strip floorings only for Assembly Halls, using other types of flooring for classrooms. Inasmuch as, in our opinion, the only really serviceable and hard-wearing floor suitable for classrooms is a wood block floor, and having been able to secure a fairly large quantity of reclaimed hardwoods and slabs and off cuts (which Timber Control agrees as outside allocation), we have pointed out to the Ministry that this material is available for their use. The Department has now agreed to withdraw the ban on the use of hardwood block flooring for classrooms, and circulars to this effect have been issued to Local Authorities. We invite enquiries for these floors from the Home Counties and the South and orders will be accepted and executed in rotation until supplies are exhausted. The thickness of the hardwoods referred to in either strip or block is 1 inch nominal, finishing  $\frac{3}{4}$  inch.

Blocks manufactured from reclaimed hardwoods can also be laid in Buildings other than Schools. Timber Control (Consumers) licenses are readily granted and we can assist in this respect.

Should you have wooden floors that are badly worn, we can clean off, reface and wax-polish, using electrically- or petrol-driven surfacing machines.

Hitherto we have not tendered for composition floorings, as we did not consider the synthetic magnesite (manufactured from sea-water) suitable for this class of flooring. Now, however, that we can obtain the genuine imported mineral magnesite, we are able to give the 100 per cent. guarantee that clients are entitled to, and shall be happy to submit quotations for this type of flooring. It is obtainable in red, brown and/or buff.

Yours faithfully,

The Philip Flooring Company.

*P.D. Philip*

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P.S. HOUSING. We have been fortunate enough to secure a large parcel of reclaimed softwood from which we have manufactured some thousands of yards of  $\frac{3}{4}$ " tongued and grooved flooring blocks. These can be used for floorings over and above the statutory I.6 standards of softwood per house, and we have the permission of the Ministry of Health to lay such floors. We shall be glad to submit quotations for these floorings laid complete and orders will be executed in rotation until the materials are exhausted.



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

## THE INDUSTRY

### LAMINATED PLASTICS

Some months ago De La Rue Insulation, Ltd., announced that they would start the manufacture of Formica laminated plastic sheet in their new factory at West Chirton, North Shields. Formica was originally developed in America, where it has been widely used in the decoration of hotels and restaurants, particularly of the higher class type, and De La Rue have acquired the Eastern hemisphere rights.

At a small reception held at the beginning of this month a number of sample products were on view, including an interesting proposal for a railway coach interior (illustrated on this page) and a table top taken from the *Queen Mary*, one of the original fittings which had survived six war years' use when the vessel was a troopship. As the sales manager remarked, "What troops can't destroy nothing can." Examination in a bright light showed that parts of the surface had lost their high initial gloss, but there was no visible staining or scratching and the top could not be considered even remotely in need of replacement.

The material seems to have a harder surface than any other plastic. Due to the incorporation of a special resin, it is virtually impossible to burn or scratch it, or stain it with acid or oil. One special cigarette-proof grade is manufactured which is the final answer to the menace of the careless smoker, and tests at a recent exhibition showed that Formica withstood the stubbing of 20,000 cigarettes without leaving a trace of burn, blister or stain; a piece of plywood, similarly maltreated, showed an extremely badly charred surface.

Apart from its use in sheet form it will be possible, as soon as machinery is available, to use Formica for a wide range of pressed and shaped articles, while lettering, designs, drawings, paintings, diagrams can all be pressed into the actual material clearly and indestructibly. In the near future it will also be possible to manufacture Formica with realwood veneer finishes and in a variety of solid colours.

The base of Formica is paper and resin. Reels of paper 50 to 100 in. wide are mounted on mandrels and fixed at the entry of a 90-ft. drying chamber, which is capable of being steam-heated up to 130 deg. C. Just before entering this chamber the paper passes through a bath of varnish, which is composed of the resin dissolved in a suitable solvent. On its passage through the varnish bath the paper picks up about twice its weight of varnish and, as the varnish is made up of equal parts of resin and solvent, the paper will contain its own weight of resin when the solvent has been driven off on the journey through the drying chamber. This impregnated paper is wound off at the far end of the chamber and is cut into lengths ready for pressing. According to

the thickness of material required, stacks of paper are built up; for a 1/16-in. thick material about 12 layers being needed. On top of this stack is placed the coloured sheet, and then one sheet of translucent material which has been impregnated with a special resin in the same way. This stack is then placed between highly polished stainless steel sheets, which will give the finished material the required surface. The completed packs are then cured under heat and pressure in a press with steam-heated platens and then trimmed to final size.

The De La Rue Company makes several other plastics as well:—

*Traffolyte*, a laminated plastic in sandwich form similar in many ways to Formica. It is widely used for the production of engraved signs, and is made in plain surface colours only.

*Delaron*, an industrial laminated plastic made in five paper and three linen grades. It can be drilled, stamped, turned and machined, and is largely used for silent gear wheels and machine parts. It has excellent electrical insulation qualities.

*Delaforce*, a reinforced laminated plastic with a core of wire and cotton mesh. This can be used where strength and lightness are required, and successful experiments have proved its value for the construction of such things as railway goods wagons. (De La Rue Insulation, Ltd., Imperial House, 88, Regent Street, London, W.1.)

### STANDARD DOORS FOR THE FARMER

Quite a number of firms are now producing standard units in concrete, timber or metal for the erection of farm buildings. The scheme has been sponsored by the Ministry of Agriculture and Fisheries, and involves the production of every component necessary for the buildings, all of which are to be stocked in 16 centres throughout the country, so that farmers can buy the parts and erect permanent buildings quickly and easily.

One of the major difficulties has been with the doors, as the buildings must be used for a variety of purposes and the heights and widths of doors must vary.

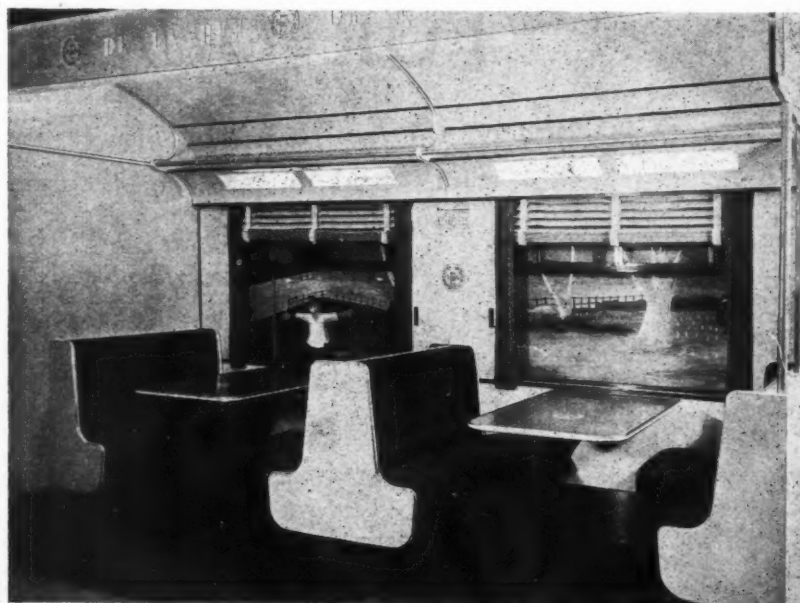
Some time ago EJMA formed a sub-committee to deal with the problem, and succeeded in solving it with the aid of Mr. Frederick MacManus, their architect. They have designed a door which can be mass produced and used in units of one or more. This overcame the problem of width, as the doors can be used hinged together or on the sliding principle. The question of height was more difficult, but this has also been solved. The greatest door height required would be 7 ft. 7 in., and the new door will meet this requirement; but farmers will be able to alter the door on the site to fit any height down to the minimum of 7 ft. 1 in.

This has been achieved by extending the stiles, so that the finished door, as a component is left with two protruding "legs." These extended pieces are easily cut to the required length and a U-shaped steel shoe fitted to cover the gap. The shoe also serves another useful purpose by preventing rats gnawing through the bottom of the door. Farmers will shortly be able to obtain supplies of these doors from the stockists. (The English Joinery Manufacturers Association, Sackville House, 40, Piccadilly, London, W.1.)

### FLUSH DOORS

The Flush Door Manufacturers Association announces that, after representation made in association with the English Joinery Manufacturers Association and the British Door Association, the British Standards Institution has accepted the FDMA standard core construction as the basis for a BSS for the manufacture of hardboard-faced flush doors. The specification will be known as No. 459, Part IV, 1948, and will be available in the next few weeks. The Ministry of Health has approved the use of hardboard-faced flush doors manufactured to this specification for all housing schemes, and local Housing Authorities have been so informed by the Ministry.

MOH circular No. 136 announced that BMSH forms for hardboard are no longer required for the purchase of hardboard-faced flush doors, and the installation of these doors means that the whole plywood allocation can be used for other building purposes. (The Flush Door Manufacturers Association, Ltd., Trowell, Nottingham.)



*A suggested design for a railway coach interior in Formica laminated plastic. [De La Rue Ltd.]*



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Now that the Government's housing programme is making steady progress Professor Ian Bowen's monthly analysis of progress will no longer concentrate on housing. Instead, he will contribute a monthly article on "Building Progress," the second of which appears below. In these articles he will survey building activity generally, drawing attention each month to whatever current developments seem to be of the greatest interest.

## BUILDING PROGRESS

[By Ian Bowen]

### BUILDING PROGRESS UP TO THE END OF MAY, 1948

Building work completed in the late spring and early summer of this year has been very considerable; when final figures are available, it is quite likely that the second quarter of the year will show the greatest activity recorded since the end of World War II. In May, for example, 20,372 permanent new houses were completed in Great Britain. This was a record for one month, and has been claimed as such. 1,168 of these houses were of the non-traditional aluminium type.

#### HOUSES BEGUN

The number of permanent houses (excluding aluminium) begun each month still remained well below the numbers finished (11,840 against 19,204). For the present, this means a continuing fall in the number of houses under construction; but in five or six months' time there is certain to be a falling-off in the rate of completions as well. The concessions recently made to private builders will to some extent mitigate this position. A figure of 200,000 houses a year now seems to be the Government's target (i.e., 16,666 houses a month), but to reach stability at this figure commencements must be stepped up from under 12,000 to the 17,000 odd figure—and, indeed, rather higher than this for a short time. The number of new contracts in May, 1948, was about 9,000, which was not much more than half the rate required to establish the new target.

#### FACTORIES

In April there was an enormous increase in the value of building licences issued; for "factories, etc.," the increase was from £74 millions in March to £154 millions in April. Without any formal announcement of a change of policy, the Government seems administratively to have released (at least temporarily) its tight hold on licensing maintained for the five previous months.

Even some of the factory schemes in the Development Areas and elsewhere deferred under the capital cuts' scheme appear to have been allowed to re-start. However, as in the case of housing, the delayed-

action effort of the cuts is that the total value of work under construction is still declining from month to month.

#### HOSPITALS & SCHOOLS

There is a rising trend in the value of work licensed under these headings. In all, the work licensed amounts to only about 5 per cent. of the "factories, etc." item in the Ministry of Works' table. It must be remembered, however, that Government work is directly authorised, and does not come into the licensing figures. In the case of education and hospitals this figure was undoubtedly very high. Government work as a whole appears to have increased substantially from March of this year onwards.

The spring has thus seen a honeymoon fling of the licensing system, before it became radically altered by the change in the £10 limit. As far as the licensing figures go, new work increased by almost 142 per cent. and repairs and maintenance by 33½ per cent. But the new limit will favour an increasing volume of major repairs.

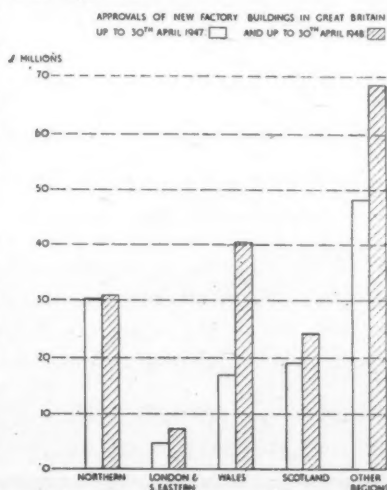
New housing has lost 25,000 of its labour force since October of last year. Industrial and agricultural building has so far been the main beneficiary of this loss, the total employed in the industry remaining fairly constant. But over the next year it is likely that repairs, minor alterations and decorations will go ahead faster than any other types of work.

#### BUILDING MATERIALS & COMPONENTS

There has been considerable easing in the supply position of such items as cookers and baths. The big rise in the production of these items confirms the view that work for architects over the next year will be increased in the direction of conversion and improvement of existing property, rather than in increased new building.

#### COSTS & PRICES

No official data on the finished costs of permanent houses has yet been released. This shows an appalling disregard for the need to educate the public, the technicians, the local authorities, and the Government itself in the basic facts which must be understood for their responsibilities to be properly assumed. Official spokesmen still take refuge in figures of tender prices, which in England and Wales are said to be 13 per cent. above their level in 1945. But, as Mr. Marples pointed out in the House of Commons, tender prices are in current conditions meaningless as a basis of comparison, since extras on permanent houses are a substantial but varying figure. It does seem almost unbelievable that after 250,000 new houses have been completed, no official figures of the finished costs of any schemes have appeared.



## Buildings Illustrated

British European Airways, Dorland Hall House, 14-20, Regent Street, S.W.1 (pages 159-161). Architect, A. F. Watson, A.R.I.B.A. General Contractor, Cubitt Group Co-ordinated Services Section. Sub-contractors: Partitions, Holoplast Ltd.; Glass, Clarke Eaton; Patent Flooring, Armstrong Cork Co.; Electric Wiring, Higgins & Cattle Ltd.; Sanitary Fittings, W. M. Froy & Sons; Door Furniture, Dryad Metal Works Ltd.; Telephones, GPO and Standard; Metalwork, Heals Contracts Ltd.; Shop fittings, Beck & Pollitzer; Cloakroom fittings, Stonehouse Steel Equipments Ltd.; Signs, Nelton Ltd.; Clocks, Synchronome.

Kensington Air Station, British European Airways, High Street, Kensington (page 162). Architect, A. F. Watson, A.R.I.B.A. General Contractor, Holloway Brothers. Sub-contractors: Glass, James Praedy; Patent Glazing, Pilkington Prismatic; Patent Flooring, Uni-Seco Ltd.; Electric Wiring, Higgins & Cattle; Electric Heating, Fenton, Byrn & Co. Ltd.; Ventilation, Hadens Ltd. & Ductwork Ltd.; Sanitary fittings, Assoc. Clay Industries; Stair-treads, Ferodo Ltd.; Door Furniture, Froys; Telephones, GPO and Standard; Plaster, George Rome & Co.; Metalwork, H. H. Martyn & Co. Ltd.; Furniture, Ernest Race Ltd.; Cloakroom fittings, Stonehouse Steel Equipment; Clocks, Synchronome; Signs, Daymonds Ltd. (The Lettering Centre).

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# PRICES

This regular feature, prepared by Davis, Belfield and Everest, Chartered Quantity Surveyors, summarises basic prices for materials and gives labour rates for the London District and Grade Classifications outside London. In the past, prices for materials have been expressed as a percentage over pre-war rates. This practice is no longer being continued as it is felt that pricing by references to pre-war standards can now be considered obsolete. Detail prices of materials are given quarterly.

BASIC MATERIALS	BASIC PRICES AND RATES OF WAGES, 1948						
	January	February	March	April	May	June	July
Portland cement (6 tons and over) .. .. per ton	60/6	60/6	60/6	60/6	60/6	60/6	60/6
Paper bags .. .. ..	11/-	11/-	11/-	11/-	11/-	11/-	11/-
2-in. unscreened ballast .. .. .. per yd. cu.	14/5	14/5	14/5	14/5	14/5	14/5	14/5
Fletton bricks (at station) .. .. .. per 1,000	73/-	73/-	73/-	73/-	73/-	73/-	73/-
Stoneware drain pipes (British Standard, 2 tons and over)							
Standard list + .. .. ..	42½%	42½%	42½%	42½%	42½%	42½%	42½%
Roofing tiles .. .. .. per 1,000	90/- +	90/- +	90/- +	90/- +	90/- +	90/- +	90/- +
Steel joists (basic sections ex mills) .. .. per ton	100%	110%	110%	110%	110%	110%	110%
Lime greystone .. .. ..	£17 8s.	£17 13s.	£17 13s.	£17 13s.	£17 13s.	£17 13s.	£17 13s.
Sheet lead (5 cwt-1 ton lots) .. .. ..	84/9	84/9	84/9	84/9	84/9	84/9	84/9
Iron rainwater goods and soil pipes. List 3100 AB+ ..	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.	£107 10s.
White lead paint .. .. .. per gallon	70%	70%	70%	70%	70%	70%	70%
	43/3	43/3	42/9	42/9	42/9	42/9	42/9
<b>RATES OF WAGES (LONDON)—</b>							
<b>Within 12 miles radius</b>							
Craftsmen .. .. .. per hour	2/10½	2/10½	2/10½	2/10½	2/10½	2/10½	2/11*
Labourers .. .. ..	2/3½	2/3½	2/3½	2/3½	2/3½	2/3½	2/4*
<b>From 12 to 15 miles radius</b>							
Craftsmen .. .. ..	2/10	2/10	2/10	2/10	2/10	2/10	2/10½*
Labourers .. .. ..	2/3½	2/3½	2/3½	2/3½	2/3½	2/3½	2/3½*

Prices of materials above include for delivery to site in the Central London Area, and the rate of wages are for London only.

Current rates of wages outside London are as follows : Liverpool and District, Craftsmen, 2/11 ; Labourers, 2/4.

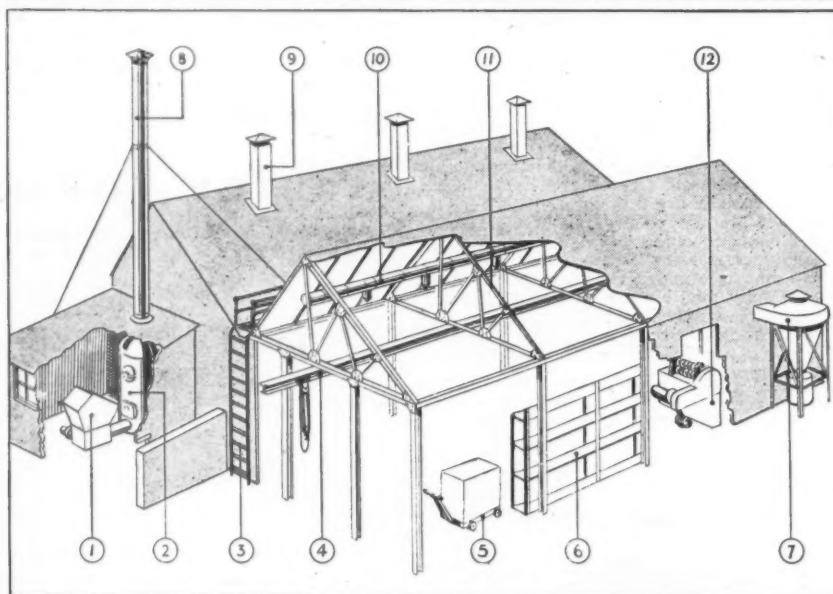
## GRADE CLASSIFICATIONS

	A	A <sup>1</sup>	A <sup>2</sup>	A <sup>3</sup>
Craftsmen .. .. ..	2/9½	2/9	2/8½	2/8
Labourers .. .. ..	2/3	2/2½	2/2	2/1½

\* This increase takes effect from beginning of pay week next following July 11, 1948.

*Davis*

F.R.I.C.S., F.I.Arb.

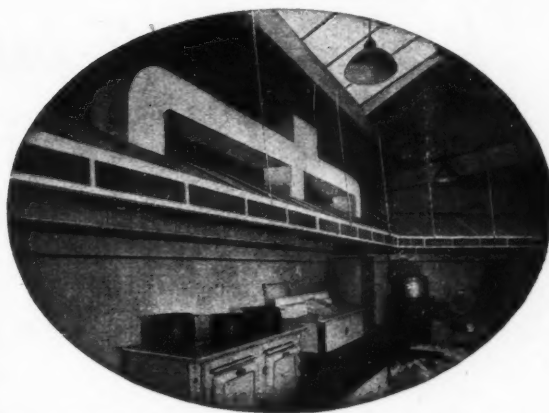
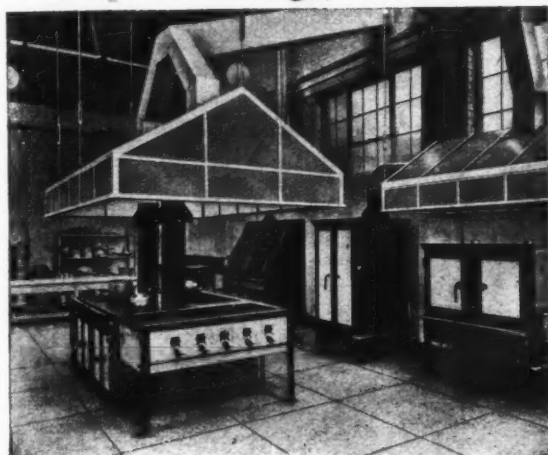


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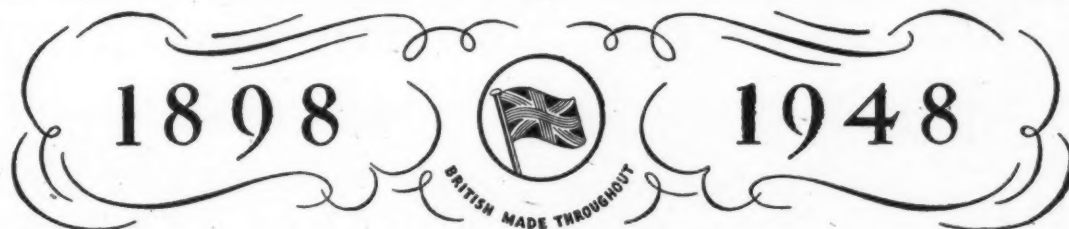
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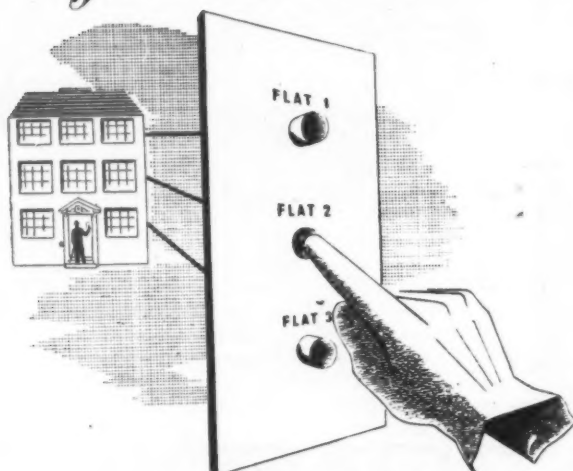
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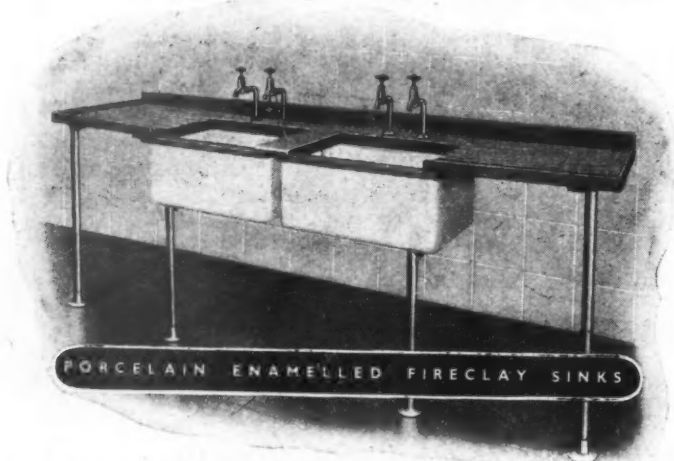
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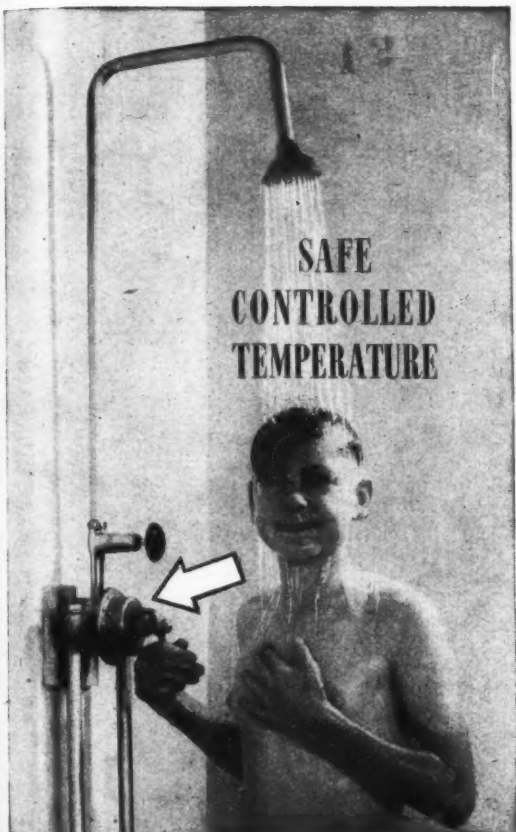
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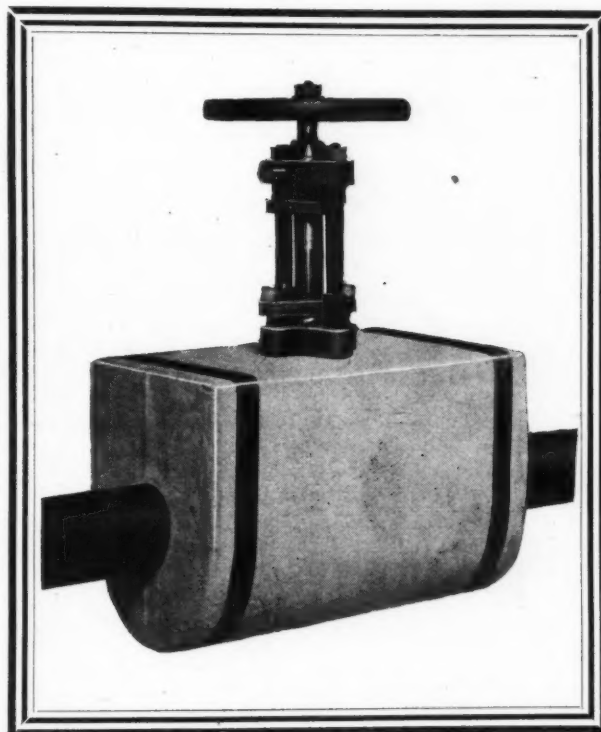
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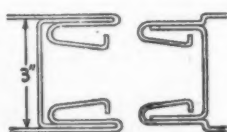
roofing



partitioning



walling



on the



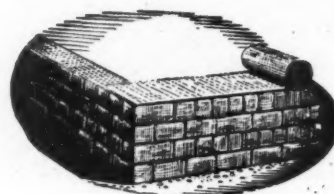
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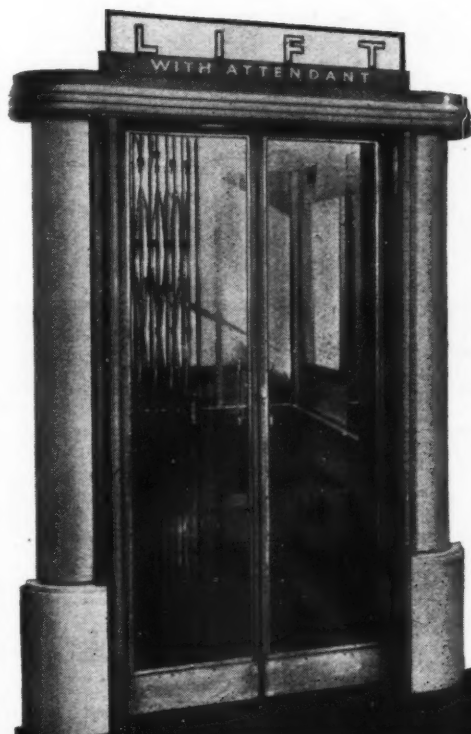
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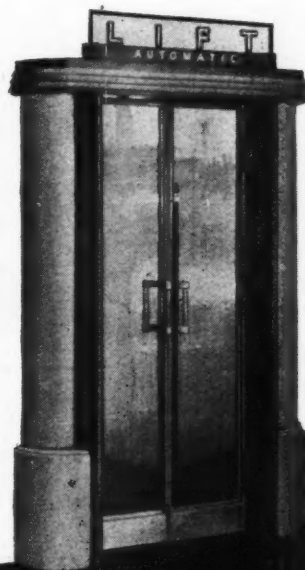


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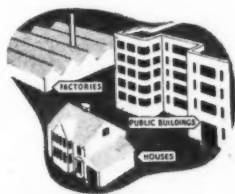
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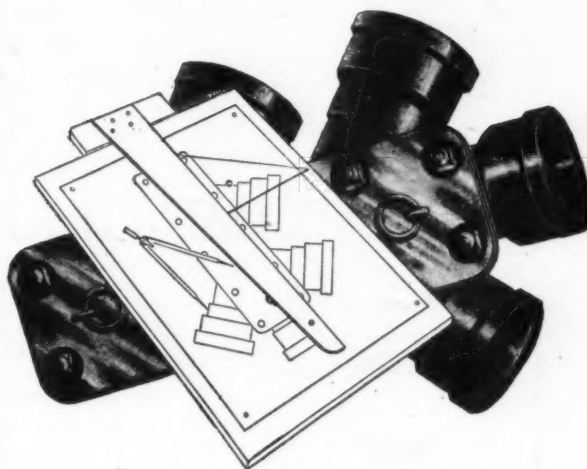
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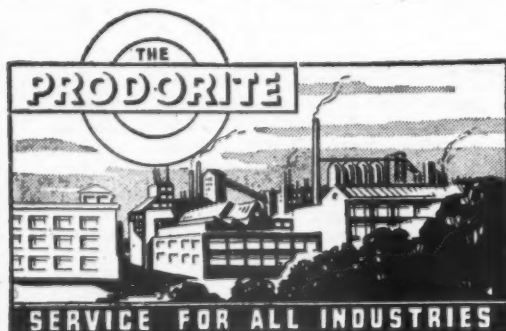
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## CLASSIFIED ADVERTISEMENTS

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

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

None of the vacancies in these columns relate to a man between the age of 18 and 30, inclusive, or a woman between the age of 18 and 40, inclusive, unless he or she is excepted from the provisions of the Control of Employment Order, 1947, or the vacancy is for employment excepted from the provisions of that Order.

## Public and Official Announcements

6 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: SURVEYORS' REGISTRARS, WREN PARK, WHITELEAF. Tel.: Uplands 0935, 991

**LONDON COUNTY COUNCIL.**  
**HOUSING AND VALUATION DEPARTMENT.**  
**ARCHITECTURAL ASSISTANTS.** Applications are invited for positions of Architectural Assistant, at salaries of up to £280 a year. Commencing salaries will be determined according to qualifications and experience, and qualified candidates will be eligible for appointment to the permanent staff of the Department on the occurrence of vacancies. Engagement will involve Superannuation contributions at the rate of 6 per cent. of salary.

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

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed foolscap envelope required). Canvassing disqualifies. (970) 1039

**CITY OF PETERBOROUGH.**  
**CITY ENGINEER AND SURVEYOR'S DEPT.**  
Applications are invited for the appointment of TWO ARCHITECTURAL ASSISTANTS, on the staff of the City Engineer and Surveyor, at a salary in accordance with Grade III, A.P.T., i.e., £450, rising by annual increments to £495 per annum.

Applicants should be good draughtsmen, possess a sound knowledge of building construction, and be capable of preparing working drawings under supervision.

The City Council have adopted the National Scheme of Conditions of Service. The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and successful applicants will be required to pass a medical examination. Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials and suitably endorsed, must be delivered to the undersigned not later than 20th August, 1948.

Applicants must disclose whether they are related to any Senior Official or Member of the Authority.

ARTHUR J. REEVES, Town Clerk.

Town Hall, Peterborough. 1369  
July, 1948.

**NORTHERN POLYTECHNIC, HOLLOWAY, N.7.**

The Governing Body invite immediate applications for the following appointments to the full-time staff of the Department of Architecture, Surveying and Building:—

(a) STUDIO MASTER in Architectural Design and Working Drawings.

(b) LECTURER on Building Construction and other subjects relating to Surveying and Building. Previous teaching experience is desirable, but not essential. Burnham Scale Salary. Members of the full-time staff are afforded reasonable opportunities for private practice.

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

R. H. CURELL, Clerk.

1472

**CITY OF BATH.**

**SENIOR PLANNING ASSISTANT.**

Applications are invited for the appointment of Senior Planning Assistant, on the permanent staff of the City Planning Officer, at a salary in accordance with A.P.T., Grade IV (£480-£525 per annum). Applicants should possess a recognized qualification in town planning, and preference will be given to those with previous experience in a Town Planning Office. The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, should be sent to the City Planning Officer, 2 Princes Buildings, Bath, not later than the 26th August, 1948.

J. BASIL OGDEN, Town Clerk.

Guildhall, Bath. 1473  
3rd August, 1948.

**MUNICIPALITY OF UMTALI.**  
**VACANCY: TOWN PLANNING OFFICER.**  
Applications should be submitted in duplicate and one copy despatched so as to reach me not later than noon of 18th day of September, 1948; the remaining copy should be posted at the same time to P. M. Aldred, Esq., c/o Rhodesia House, The Strand, London, W.C.2.

The salary grade for the position is £759-£833-£924 per annum, but the commencing salary may be higher than the minimum of the grade (in any case not exceeding two steps in such scale) in accordance with the qualifications and/or experience of the successful applicant. In addition, a cost-of-living allowance at rates laid down by the Council from time to time will be paid. At present this amounts to £134 per annum on the minimum and £150 per annum on the maximum of the grade; plus, in the case of married persons, a children's allowance at the rate of £30 per annum for the first child and £24 per annum for each subsequent child.

Applicants must have passed the Final Examination of the Town Planning Institute, and preference will be given to applicants holding one or more of the following additional qualifications:—

Associate of the Royal Institute of British Architects. Testamur Examination of the Institution of Municipal Engineers.

Final Examination of the Royal Institute of Chartered Surveyors, or University Degree in one of the above subjects.

Applicants must have had at least three years' experience of Town Planning work, preferably in Urban Areas, and should be conversant with local authority procedure and practice. They should have had experience in preparatory survey and investigation work for Statutory Planning Schemes, preparation of such schemes, and Interim Development Control and administration.

Applicants should submit full details of age, specific nationality, health, marital status, previous experience, qualifications, military service, present appointment, and should submit certified copies of testimonials from past employers.

The successful applicant will be required to serve a probationary period of six months, thereafter he will be eligible for appointment to the fixed establishment, and if so appointed he will be required to contribute to the Council's Superannuation Fund.

Applicants are advised that their present Superannuation Contributions are not transferable to the Council's Superannuation Fund.

If the successful applicant is married a Municipal house will be available on a rental basis.

The Council will contribute the following amounts towards the cost of sea passages ex-United Kingdom:—

Man and wife, £50 each.  
Children under 16 years: 1st child, £20; remaining children, £10 each.

Should the successful applicant resign within a period of three years from date of appointment certain proportions of the above amounts will be refundable to the Council.

Salary will be admissible from the actual date of embarkation, although the date of appointment will be held for all other purposes to be the date upon which duties are actively assumed.

A satisfactory medical certificate on the Council's prescribed form must be produced before the commencement of duty.

In regard to any points not mentioned in this advertisement the successful applicant will be bound by the Council's Service Regulations and any amendments which may be made thereto from time to time.

Canvassing, directly or indirectly, will be a disqualification.

G. F. CLARK, Town Clerk.

Town House, Umtali, Southern Rhodesia. 1438  
5th August, 1948.

**CARMARTHENSHIRE COUNTY COUNCIL.**

**COUNTY ARCHITECT'S DEPARTMENT.**

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

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

(b) ONE ASSISTANT QUANTITY SURVEYOR. A.P.T., Grade III (£450-£495 per annum).

Applicants for post (a) should be suitably qualified and be experienced in the preparation of Bills of Quantities, approximate estimates, measurement of variations, settlement of final accounts and interim valuations for payment on account.

Applicants for post (b) must be capable of abstracting and billing, measuring works on site, and have had some experience in taking-off on small works and the settlement of accounts.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side. The conditions of service are those of the National Scheme for Local Government Officers. The successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications and full details of experience, together with three recent testimonials, should be enclosed in envelopes endorsed "Assistant Quantity Surveyor," Grade III or Grade V respectively, and delivered to Mr. W. T. Lloyd, A.R.I.B.A., County Architect, County Hall, Carmarthen, not later than Saturday, 28th August, 1948.

DANIEL JONES, Clerk of the County Council.

County Offices, Spilman Street, Carmarthen. 1485

**CITY OF OXFORD.**  
**CITY ARCHITECT'S DEPARTMENT.**  
**APPOINTMENT OF DEPUTY CITY ARCHITECT.**

Applications are invited for the above permanent appointment, at a salary on the scale £937 10s. per annum, rising by annual increments of £25 to £1,037 10s. per annum. Applicants must be Members of the R.I.B.A. and have had considerable professional experience and also administrative experience in a Local Government Architect's Department. Travelling and subsistence allowances will be paid on the Council's scale, and housing accommodation will be made available, if necessary, by the Council.

The appointment will be subject to the National Conditions of Service and to the provisions of the Local Government Superannuation Act, 1937, to a satisfactory medical examination, and to determination by three months' notice in writing by either side.

Applications should be made on forms to be obtained from E. G. Chaudler, A.R.I.B.A., A.M.T.P.I., City Architect, The Town Hall, Oxford, to whom they should be returned not later than Saturday, the 28th August, 1948.

HARRY PLOWMAN, Town Clerk.

Town Hall, Oxford. 1390

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

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

Applicants should be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and have had experience in the general architectural and housing work of a Local Authority, including the preparation of working Drawings, Specifications and Quantities.

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

Applications, endorsed "Architectural Assistant," stating age, training, qualifications, present and previous appointments and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than the 30th August, 1948.

Canvassing will disqualify.

Dated this 31st day of July, 1948.

DUDLEY E. MORSE, A.M.I.C.E., Engineer and Surveyor.

Council Offices, "West House," 1439  
Stanwell Road, Penarth.

**COUNTY BOROUGH OF CROYDON—EDUCATION DEPARTMENT.**

Applications are invited for the following appointments:—

ASSISTANT SURVEYOR (A.P.T., V, £520 p.a. to £570 p.a.).

Candidates should be Chartered Surveyors (Building), with wide experience in preparing specifications for new works and alterations, scheduling, and general surveying duties.

SURVEYING ASSISTANT (A.P.T., IV, £480 p.a. to £525 p.a.).

Candidates should be suitably qualified, with wide experience in estimating, valuations for certificates, and settlement of final accounts.

JUNIOR SURVEYING ASSISTANT (A.P.T., II, £420 p.a. to £465 p.a.).

Candidates should be of Inter. R.I.C.S. (Building) standard, with good general experience.

The appointments are superannuable, subject to medical examination.

London weighting of £30 p.a. (£20 p.a. if under 25 years of age) is paid in addition to the salaries shown above.

Forms of application may be obtained from the Chief Education Officer, Katharine Street, Croydon (by sending a stamped, addressed envelope) and must be returned to him not later than 28th August, 1948.

Canvassing will disqualify.

E. TABERNER, Town Clerk.

27th July, 1948. 1470

**COUNTY BOROUGH OF OLDHAM.**  
**APPOINTMENT OF GENERAL ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of a General Architectural Assistant in my Department.

The salary will be at the rate of £420 per annum, rising to £465 per annum, being Grade II of the National Scale of Salaries.

Housing accommodation will be provided if necessary.

Applicants are requested to give full information regarding their qualifications and experience. The appointment will be subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. Conditions relating to the appointment may be obtained from the undersigned.

Applications, stating age and previous appointments, in addition to qualifications and experience, and copies of three recent testimonials, must reach the undersigned not later than Saturday, the 28th August, 1948, in envelopes endorsed "General Architectural Assistant."

A. L. HOBSON, Borough Engineer and Surveyor.

Municipal Buildings, 75, Union Street, Oldham. 1446  
29th July, 1948.



# **BOROUGH OF CHESTERFIELD. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.**

## **ARCHITECTURAL SECTION.**

Applications are invited for the appointment of a QUANTITY SURVEYOR in the Architectural Section of the Borough Engineer and Surveyor's Department.

The appointment is subject to the Conditions of Service and Scale of Salary of the National Joint Council, on Grade A.P.T., V (£520-£570, consolidated).

Preference will be given to candidates holding the appropriate qualifications.

The appointment is terminable by one month's notice on either side and subject to the provisions of the Local Government Superannuation Act of 1937.

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

Applications, stating age, qualifications, and details of experience, together with copies of two recent testimonials, to be suitably endorsed and delivered to the Borough Engineer and Surveyor, Town Hall, Chesterfield, not later than Monday, 6th September.

**RICHARD CLEGG,**

*Town Clerk.*  
1477

Town Hall, Chesterfield.

# **DEVON COUNTY COUNCIL.**

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

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

The person appointed will be engaged on Survey and Research work in connection with the preparation of the Development Plan. Candidates should have had experience in the collection, analysis and graphical representation of research data and be familiar with the Ministry's requirements in connection with Survey for the Development Plan. Preference will be given to those holding a University degree in Geography or Economics and with previous experience in a planning office.

Salary in accordance with A.P.T., Grade VI, of the National Joint Council Scales, £595-£20/£25-£660.

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

The person appointed will be required to assist in the preparation and administration of the Development Plan and to act as Deputy to the Divisional Planning Officer. Candidates must, therefore, have had wide experience of planning in a large rural area of high landscape value, and preference will be given to those possessing A.M.T.P.I. and/or other recognized qualifications. Salary in accordance with A.P.T., Grade V, of the National Joint Council Scales, £520-£15/£20-£570.

In the case of both appointments applicants will be required to provide a car, for the use of which allowances will be paid in accordance with the National Joint Council's Scale.

Both appointments will be subject to the National Joint Council's Conditions of Service; to the provisions of the Local Government Superannuation Act, 1937; the passing of a medical examination, and to one month's notice on either side.

Canvassing, directly or indirectly, is prohibited, and candidates must state if they are related to any member or senior officer of the Council.

Applications, giving full details of training, qualifications and experience, together with the names of three persons to whom reference may be made, must be forwarded to the Director of Planning, New North Road, Exeter, so as to reach him not later than 23rd August, 1948.

Preference will be given to disabled persons. The Council are unable to assist in the provision of housing accommodation.

**H. A. DAVIS,**

*Clerk of the Council.*  
1475

The Castle, Exeter.

# **CITY AND COUNTY OF BRISTOL.**

## **CITY ARCHITECT'S DEPARTMENT.**

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

### **TEMPORARY STAFF.**

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

### **PERMANENT STAFF.**

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

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

(d) ASSISTANT ARCHITECTS (Housing Section). A.P.T., Grade III (£495-£495).

(e) ASSISTANT ARCHITECTS (Education Section). A.P.T., Grade II (£420-£455).

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

Permanent appointments subject provisions of Local Government Superannuation Acts, 1937 and 1939, and successful applicants required to pass medical examination. All appointments determined by one month's notice in writing on either side.

Applications must indicate specific appointment applied for, full details of age, qualifications, experience, present position and salary, and names of two persons to whom reference may be made, and should be delivered to the undersigned by Saturday, 28th August, 1948. Although not compulsory, it is desirable that successful applicants shall live within the City.

**J. NELSON MEREDITH, F.R.I.B.A.,**

*City Architect.*

Eagle House, Colston Avenue, Bristol. 1. 1484

# **NORFOLK COUNTY COUNCIL.**

## **COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the permanent appointment of ASSISTANT ARCHITECT, at a salary in accordance with National Grade V (£520-£570 p.a.). Candidates must be registered architects, must have had good general architectural experience and a sound knowledge of design, construction and specifications. The appointment will be subject to the Local Government Officers' Superannuation Acts and National Scheme of Conditions of Service will apply.

Applications must state clearly age, qualifications, full details of training, experience and previous appointments, with dates, salaries, and designations, together with the names and addresses of three persons to whom reference may be made. Applications must be delivered to C. H. Thurston, L.R.I.B.A., F.R.I.C.S., County Architect, 25, Thorpe Road, Norwich, not later than Friday, 20th August, 1948.

**H. OSWALD BROWN,**

*Clerk of the Council.*

County Offices, Thorpe Road, Norwich.

28th July, 1948.

1474

# **UNIVERSITY OF DURHAM.**

## **KING'S COLLEGE, NEWCASTLE-UPON-TYNE. DEPARTMENT OF TOWN AND COUNTRY PLANNING.**

The Council of King's College invite applications for the post of LECTURER in Town and Country Planning. Candidates should be Members, or Associate Members, of the Town Planning Institute.

The salary rises by annual increments of £25 to a maximum of £550, and the initial salary, which in any case will not be less than £500, will be fixed at a point on that scale in accordance with the qualifications and experience of the successful candidate. Duties to commence as soon as possible.

Only one copy of application will be required in the first instance, and this, together with the names of three persons to whom reference may be made, should be addressed not later than 20th September, 1948, to the undersigned, from whom further particulars may be obtained.

**G. R. HANSON,**

*Registrar of King's College.*  
1449

# **LONDON COUNTY COUNCIL.**

Required at Brixton School of Building, Ferndale Road, S.W.4, to commence in January, 1949 (or earlier), TWO SENIOR ASSISTANTS, one in Architecture and one in Surveying.

Applicants for the Architectural post should be Associates or Fellows of the R.I.B.A., and the degree or diploma of a recognized school would be a recommendation. Those for the Surveying post should be members of the R.I.C.S. Burnham scale salary, £700-£25-£800, with London allowance and training and graduate allowances as appropriate. Application forms (stamped addressed foolscap envelope necessary) and further details from the Principal at the School, returnable by 30th September, 1948. (1730) 1450

# **CITY OF ST. ALBANS.**

## **CITY ENGINEER AND SURVEYOR'S DEPARTMENT.**

Applications are invited for the appointment of JUNIOR ENGINEERING ASSISTANT, in the Department of the City Engineer and Surveyor, at a salary in accordance with the General Division (commencing salary according to age and qualifications). Preference will be given to candidates who have passed the Intermediate examination of the Institution of Municipal Engineers or those holding equivalent qualifications.

The appointment will be terminated by one month's notice on either side, is subject to the scheme and conditions of service of the National Joint Council of Local Authorities' Administrative, Professional, Technical and Clerical Services, to the provisions of the Local Government Superannuation Act, and to the successful passing of a medical examination.

Applications, stating age, qualifications, experience, etc., together with the names of two referees, should reach the undersigned in envelopes marked "Junior Engineering Assistant," not later than Monday 30th August, 1948.

**W. B. MURGATROYD,**

*Town Clerk.*

38, St. Peter's Street, St. Albans.

August, 1948.

1481

# **METROPOLITAN BOROUGH OF LEWISHAM.**

Applications are invited for the appointment of TWO TEMPORARY CLERKS OF WORKS for the erection of blocks of flats. The inclusive salary in each case will be £480, rising to £525 per annum (A.P.T. Division, Grade IV), plus London "weighting" (age 26 and over-£30 per annum).

The appointments will be subject to the rules and regulations of the Council from time to time in force relating to temporary officers, to termination by one month's notice on either side, and to the successful candidates passing a medical examination satisfactorily.

The persons appointed will be required to devote their whole time to the duties of the posts.

Applications in writing, stating age, qualifications and experience, should be addressed to the Borough Architect, Municipal Offices, Canadian Avenue, S.E.6, in envelopes endorsed "Appointment of Clerk of Works."

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

**ALAN MILNER SMITH,**

*Town Clerk.*

Lewisham Town Hall, Catford, S.E.6.

July, 1948.

1456

# **COUNTY OF LINCOLN-PARTS OF LINDSEY. COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of SENIOR ARCHITECT, Grade VII, £635 per annum, rising by £25 to £710.

Candidates must have passed the qualifying examination for A.R.I.B.A., be proficient in design and have had experience in the control of staff. The person appointed will be responsible for the architectural work, other than Educational, including Fire and Police Services, and work which may be carried out by the County Council under the Health Service and National Assistance Acts, etc.

Applications, stating age, training, experience and qualifications, together with copies of two recent testimonials, and the names of two persons to whom reference can be made, should be sent to A. R. Clark, A.R.I.B.A., A.M.T.P.I., County Architect, County Offices, Lincoln, not later than Wednesday, 18th August, 1948.

1454

# **MANCHESTER REGIONAL HOSPITAL BOARD.**

## **APPOINTMENT OF ARCHITECT.**

Applications are invited from suitably qualified persons for the appointment of Architect to the above-mentioned Board. Salary £1,350-£50-£1,550. The post is superannuable under the National Health Service (Superannuation) Regulations, 1947, and is terminable by three months' notice on either side.

Conditions of appointment may be obtained from the undersigned, to whom applications, stating age, qualifications and experience, together with the names of three referees, should be sent so as to be received not later than the 31st August, 1948.

**J. GIBBON,**

*Secretary of the Board.*

Sunlight House, Quay Street, Manchester, 3. 1457

# **METROPOLITAN BOROUGH OF LEWISHAM.**

## **APPOINTMENT OF BUILDER'S CLERK.**

Applications are invited for the appointment of Builder's Clerk in the Borough Architect's Department. Salary scale, A.P.T. Division, Grade II (£420, rising to £465 per annum, plus London "weighting," varying between £10 and £30 per annum, according to age).

The commencing salary of the successful candidate will be fixed in the grade according to his qualifications and experience.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, to the National Scheme of Conditions of Service, to the satisfactory passing of a medical examination, and to termination by one month's notice on either side.

Candidates for the appointment must have had experience with a Direct Labour Organization of a local authority engaged in new building and maintenance works, and be thoroughly conversant with the wages and conditions of service of workpeople, including the formulation and application of incentive payment schemes.

Forms of application may be obtained from me, and should be returned, accompanied by copies of not more than three recent testimonials addressed to me in an envelope endorsed "Builder's Clerk," so as to be received not later than Saturday, the 21st August, 1948.

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

**ALAN MILNER SMITH,**

*Town Clerk.*

Lewisham Town Hall, Catford, S.E.6.

July, 1948.

1455

# **COUNTY BOROUGH OF BRIGHTON.**

## **APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the above appointment, which is non-established, in the Office of the Borough Engineer and Surveyor, at a salary in accordance with A.P. and T. Division, Grade V, £590-£570 per annum.

Candidates should have had at least 5 years' practical experience, and preference will be given to those who have passed the Final Examination of the R.I.B.A.

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to D. J. Howe, M.I.C.E., M.I.Mun.E., Borough Engineer and Surveyor, 26/30, King's Road, Brighton, not later than the 16th August, 1948.

**J. G. DREW,**

*Town Clerk.*

Town Hall, Brighton.

26th July, 1948.

1447

# **BOROUGH OF EDMONTON.**

## **ARCHITECTURAL STAFF.**

The Council require:—

(1) ARCHITECTURAL ASSISTANT (PERMANENT).

Grade A.P.T., VI, £625-£20 (2) and £25 (1) to £690 per annum. Candidates should preferably be Associates of the R.I.B.A. or equivalent.

(2) ARCHITECTURAL ASSISTANT (TEMPORARY).

Grade A.P.T., V, £550-£15 (2) and £20 (1) to £600 per annum. Candidates must have passed the Intermediate examination of the R.I.B.A. or equivalent.

In both cases, experience in housing and general building work is essential.

The Council cannot undertake to provide housing accommodation for the successful candidates.

Full particulars, forms of application and conditions of service from the undersigned, to whom completed applications must be returned not later than first post, 24th August, 1948.

**H. BACKHOUSE,**

*Town Clerk.*

Town Hall, Edmonton.

1471

**METROPOLITAN BOROUGH OF PADDINGTON HOUSING DEPARTMENT.**

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

(a) ASSISTANT ARCHITECT A.P.T. Grades V and VI, salary £520-£660, plus London "weighting," commencing at a point within the Grades commensurate with experience and qualifications.

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

(b) QUANTITY SURVEYOR'S ASSISTANT, A.P.T. Grades I and II, salary £390-£465, plus London "weighting," commencing at a point within the Grades commensurate with experience and qualifications.

Applicants should have experience in all branches of building work and should be familiar with all aspects of a Quantity Surveyor's duties, including preparation of estimates, bills of quantities, abstracts, contract documents, and cost statistics, and be able to measure up for interim and final certificates and to settle final accounts. Preference will be given to candidates who have passed or are at the standard of the Intermediate Examination of the Royal Institution of Chartered Surveyors (Quantities Division).

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

Forms of application for appointment (a) can be obtained from the undersigned, but no form is provided for appointment (b).

Applications for both appointments, stating age, qualifications, present and previous appointments with salaries, and experience, together with copies of three recent testimonials, clearly indicating the appointment for which application is being made, are to be delivered to the undersigned by first post on Monday, 6th September, 1948.

Canvassing, directly or indirectly, will disqualify.

W. H. BENTLEY, Town Clerk.

Town Hall, Paddington, London, W.2.  
5th August, 1948. 1500

**CITY OF PORTSMOUTH.**

**CITY PLANNING OFFICER'S DEPARTMENT.** Applications are invited for the following permanent appointments in the Department of the City Planning Officer.

(a) TWO PLANNING ASSISTANTS, Grade V (£520-£570 per annum).

The appointments are in connection with the preparation of the Development Plan under the Town and Country Planning Act, 1947, and for work on the reconstruction of the Central Area of the town. Candidates should have experience in drawing up practical proposals for urban redevelopment; they should be qualified for Associate Membership of the Town Planning Institute, and preference will be given to applicants possessing in addition a recognized qualification in architecture, engineering or surveying.

In respect of one of the posts, applicants should also be experienced in Development administration.

(b) PLANNING ASSISTANT, Grade IV (£480-£525 per annum).

(c) GENERAL ASSISTANT, Grade I (£390-£435 per annum).

Applicants for these posts must be competent draughtsmen, and preference will be given to the holders of the appropriate professional qualifications.

The appointments will be subject to:—  
(a) The National Scheme of Conditions of Service.

(b) The provisions of the Local Government Superannuation Act, 1937.

(c) The successful candidates passing satisfactorily a medical examination by the Corporation's Medical Referee.

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

Applications, stating age, present position, qualifications and experience, together with the names of three responsible persons to whom reference may be made, must be delivered to the undersigned, clearly marked "City Planning Appointment," not later than 31st August, 1948.

Canvassing will disqualify.

V. BLANCHARD, Town Clerk.

City Council Chambers, Southsea. 1496

3rd August, 1948.

**THE GLASGOW SCHOOL OF ARCHITECTURE.**

The Governors of the Glasgow School of Art invite applications for the post of ASSISTANT in the Department of Architecture. Previous teaching experience, though desirable, is not essential. Salary scale £450-£515 to £600 per annum, with placing according to qualifications and experience. These scales are at present under revision and the successful candidate will benefit by any increase which may be decided on. The successful candidate will be considered for a senior post, which may become vacant at an early date. Further information and particulars with form of application may be obtained from the undersigned. W. H. Masson, Secretary and Treasurer, The Glasgow School of Art, 167, Renfrew Street, Glasgow, C.3. 1466

**CITY OF PLYMOUTH.**

**CITY ARCHITECT'S DEPARTMENT.** Applications are invited for the following appointment on the Established Staff, which is subject to the Local Government Superannuation Act, 1937, a satisfactory medical examination, and a month's notice on either side for termination.

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

Applicants should be Registered Architects, Members of the R.I.B.A., and preferably have some Municipal experience.

Candidates must not be over 40 years of age, but this condition may be relaxed in the case of a person up to 45 years of age employed by another Local Authority.

Applications, on forms obtainable from the undersigned, accompanied by copies of not more than three recent testimonials, and/or names of persons to whom reference may be made, must be returned not later than Saturday, the 28th August, 1948.

**HOUSING ACCOMMODATION WILL BE MADE AVAILABLE TO SUCCESSFUL MARRIED APPLICANTS WHO REQUIRE IT.**  
E. G. CATCHPOLE, A.R.I.B.A.

City Architect's Dept., Seymour Road, Plymouth. 1493

**NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.**

Applications are invited for the permanent appointment of SENIOR QUANTITY SURVEYOR, on the Headquarters Staff of the Board. Candidates must be members of the Royal Institute of Chartered Surveyors, and should have had wide experience of the preparation of Estimates, Specifications and Bills of Quantities, of measuring variations and of the checking of final accounts. Salary will be in accordance with Grade VIII of the A.P.T. Scales, i.e., £685 per annum, rising by annual increments of £25 to £760 per annum.

Applications, marked "Senior Surveyor," should state: (1) Name and address; (2) age, and whether married; (3) professional qualifications; (4) past appointments; (5) present appointment and salary; (6) experience; (7) war service; (8) date available if appointed. Name and addresses of three referees should be given, and applications should be received not later than 25th August, 1948, addressed to the Secretary to the Board, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2. 1498

**KENT EDUCATION COMMITTEE. MEDWAY COLLEGE OF ART, ROCHESTER. DEPARTMENT OF ARCHITECTURE.**

Applications are invited for the post of Full-time STUDIO MASTER, in the Department of Architecture. A recognized qualification in Architecture is necessary.

Duties to commence on 1st September, 1948, or as soon after as possible.

Salary, Burnham (Technical) Scale, 1948, with additional allowances where appropriate for training, graduation, previous professional or teaching experience, and service with H.M. Forces.

Letters of application, giving full particulars of training and experience should be sent to the Principal, Medway College of Art, Eastgate, Rochester, within fourteen days of this advertisement. 1453

**NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.**

Applications are invited for the permanent appointment of SENIOR CLERK, in the Architect's Section of the Headquarters Staff. Applicants must have had considerable experience of office administration, and experience of work and procedure in the Architectural Department of a Local Authority will be considered an advantage.

Salary, according to age and experience, on Grade VI-VII of the A.P.T. Scales (£596, rising by annual increments of £20-£25 to a maximum of £710). Applications, marked "Senior Clerk," stating age, previous appointments, present appointment and salary, and full classified details of experience, and accompanied by the names of three referees, should be sent by not later than 25th August, 1948, to the Secretary to the Board, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2. 1499

**FLINTSHIRE COUNTY COUNCIL. APPOINTMENT OF TEMPORARY CLERK OF WORKS.**

Applications are invited for the appointment of Temporary Clerk of Works in the Architect's Department. Salary A.P.T. II, of the National Scheme of Conditions of Service (£420-£465).

Candidates should have a practical knowledge of all branches of the building trade, and be experienced in the supervision of the erection of all classes of buildings and be capable of setting out, measuring up, keeping records and making repairs. Experience in the maintenance and repair of education buildings would be an advantage.

The appointment will be subject to (a) the National Scheme of Conditions of Service, as modified by the County Council; (b) the provisions of the Local Government Superannuation Act, 1937, and (c) a satisfactory medical examination.

Applications will be considered from registered disabled persons.

Applications, on a form to be obtained from the undersigned, accompanied by a copy of one recent testimonial and the names and addresses of two persons willing to supply further testimonials, are to be returned so as to be received not later than the 31st August, 1948.

W. HUGH JONES, Clerk of the County Council. County Buildings, Mold. 1495

**BOROUGH OF MALDEN AND COOMBE. BOROUGH ENGINEERS' DEPARTMENT. TEMPORARY TOWN PLANNING ASSISTANT (MALE OR FEMALE).**

Applications are invited for the above appointment, at a salary in accordance with Grade III, A.P.T., of the National Scale (£450-£515-£496 p.a.) plus London weighting.

Applicants must be neat and expeditious draughtsmen and had previous planning, engineering or architectural experience, and should possess a knowledge of the basic survey work required in the preparation of Town Planning Schemes.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, should be submitted in sealed envelopes, endorsed "Town Planning Assistant," and should be sent to the Borough Engineer, Municipal Offices, New Malden, not later than 1st September, 1948.

Canvassing, directly or indirectly, will be deemed a disqualification, and candidates must disclose in writing whether to their knowledge they are related to any member or senior officer of the Council.

HAROLD E. BARRETT, Town Clerk.

Municipal Offices, New Malden, Surrey. 1497

**WEST SUSSEX COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT.**

**PLANNING ASSISTANT (DRAUGHTSMAN).**

Applications are invited for the under-mentioned post in the County Planning Department:—

ONE PLANNING ASSISTANT (DRAUGHTSMAN). Male or female. Miscellaneous Division, Grade II. Salary £375 p.a., rising by annual increments of £15 to £420 p.a.

Applicants should be experienced draughtsmen and should be capable of making surveys and have had experience of ordinance sheet revision. Planning experience, though desirable, is not essential.

The appointment will be subject to the Local Government Superannuation Act, and the successful applicant passing a medical examination.

Applications, stating age, education, qualifications, experience, present employment and salary, together with the names of three persons to whom reference could be made, must be sent in sealed envelopes and addressed to the County Planning Officer, County Hall, Chichester, Sussex, to reach him by Monday, the 23rd August, 1948.

Applicants must state if to their knowledge they are related to any member of the County Council or to any senior official of the Council.

Canvassing will disqualify.

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

County Hall, Chichester. 1494

**COUNTY BOROUGH OF WALLASEY.**

Applications are invited for the permanent appointment of two ARCHITECTURAL ASSISTANTS (Grade V) £520-£570. Applicants must be registered architects or students of the Royal Institute of British Architects. Forms of application may be obtained from the Borough Engineer, Town Hall, Wallasey, and returned to him not later than Thursday, the 9th September, 1948.

EMRYS EVANS, Town Clerk.

1507

**SOMERSET COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the above Department. The post will be in Grade V of the A.P. & T. Division of the National Scale of Salaries, viz., £520 per annum, rising to £570 per annum. The appointment will be subject to the Council's Conditions of Service in force from time to time and to the provisions of the Local Government Superannuation Act, 1937. The selected candidate will be required to pass a medical examination. Candidates must have passed the final examination of the R.I.B.A. and preferably have had experience in Architectural work undertaken by a Local Authority.

Applications, giving full details of age, qualifications and experience, should be forwarded, together with copies of three testimonials, to the undersigned by the 23rd August, 1948. Candidates must disclose in writing if they are related to any member or senior official of the Council. Canvassing members of the Council either directly or indirectly, will disqualify.

R. O. HARRIS, F.R.I.B.A., County Architect.

Park Street, Taunton. 1511

6th August, 1948.

**\*WARWICKSHIRE COUNTY COUNCIL. ARCHITECT'S DEPARTMENT.**

Applications are invited for posts on the established staff of:—

ASSISTANT ARCHITECTS grade A.P.T. V., salary £520 to £570. Applicants must be registered Architects with at least four years' office experience.

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

Application forms can be obtained from the County Architect, Shire Hall, Warwick, to whom they are returnable within 14 days of the appearance of this advertisement.

L. EDGAR STEPHENS, Clerk of the Council.

Shire Hall, Warwick. 1512



**RURAL DISTRICT COUNCIL OF HATFIELD.  
APPOINTMENT OF JUNIOR  
ARCHITECTURAL ASSISTANT.**

Applications are invited for the above appointment on the Staff of the Council's Architect-Surveyor, Grade I of the Miscellaneous Division (A.P.T. £360).

Candidates must have attained a reasonable standard in draughtsmanship and should be undergoing a course of study for a recognized architectural qualification.

Applications, accompanied by copies of two recent testimonials, to be made to Mr. J. H. Parker, A.R.I.B.A., Architect to the Council, 22, Great North Road, Hatfield, Herts, not later than 9th September, 1948.

EDGAR F. CULL,  
Clerk to the Council.

16, St. Albans Road,  
Hatfield, Herts. 1513

**COUNTY OF ESSEX.**

**ILFORD COMMITTEE FOR EDUCATION.**  
The Essex County Council invite applications for two ARCHITECTURAL ASSISTANTS, to work in the office of the Borough Engineer of Ilford, to deal with work for the Committee for Education.

Applicants should have had good general training and experience.

The salary will be in accordance with the provisions of the National Joint Council A.P.T. Division, Grade III (Salary scale £480 by £15 to £525, which includes the London Area Allowance).

There will also be paid such travelling and subsistence allowances as may from time to time be determined by the Council.

In fixing the commencing salary, regard will be had to the qualifications and experience of the successful candidate.

The appointment will be held at the pleasure of the County Council and may be terminated by the holder of the office by two months' notice.

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

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

Canvassing, either directly or indirectly, is forbidden. 1510

**BOROUGH OF ROWLEY REGIS.  
APPOINTMENT OF SECOND  
ARCHITECTURAL ASSISTANT.**

Applications are invited for the above temporary appointment in the Department of the Borough Engineer and Surveyor, at a salary in accordance with A.P.T. Grade V (£520-£570 per annum) of the National Scale of Salaries. The Council are prepared to consider the provision of suitable housing accommodation, if required.

Candidates should be experienced in general municipal work, including housing, be capable of preparing specifications, bills of quantities, working drawings and details, supervising construction on site and preparing final accounts. Candidates must be registered Architects and preference will normally be given to member of the R.I.B.A. by examination.

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

Applications, endorsed "2nd Architectural Assistant" and accompanied by copies of three recent testimonials, should be addressed to S. G. Wood, Esq., M.I.Mun.E., M.P.San.I., Borough Engineer and Surveyor, Municipal Buildings, Old Hill, Staffs., so as to reach him not later than Thursday, the 2nd September.

R. HEGAN,  
Town Clerk.

Municipal Buildings,  
Old Hill, Staffs. 1508

**ORPINGTON URBAN DISTRICT COUNCIL.  
APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT (A.P.T. GRADE VI):**

The above-named Council invite applications for the established appointment of Senior Architectural Assistant (A.P.T., Grade VI) in the Engineer and Surveyor's Department.

Applicants should preferably be members of the Royal Institute of British Architects and must have had experience in the design of houses, preparation of plans and working drawings, specifications and quantities.

Salary in accordance with Grade VI of the A.P.T. Division of the National Salary Scales (consolidated £596 per annum, rising, subject to satisfactory service, by two annual increments of £20 each, and one of £25, to a maximum of £660 per annum) plus London area weighting (at present £20 per annum).

The appointment is superannuable and the successful candidates will be required to pass a medical examination.

Applications, which must be completed by reference to the particulars and conditions of appointment to be obtained from me, should be received by me not later than 30th August, 1948. By the Council's direction, canvassing will be a disqualification.

STEPHEN KING,

Council Offices, Clerk and Solicitor.  
Orpington, Kent. 1509  
13th August, 1948.

**COUNTY COUNCIL OF ANGUS.  
MASTER OF WORKS DEPARTMENT.**

Applications are invited for the appointment of an ARCHITECTURAL and PLANNING ASSISTANT on the staff of the Master of Works, who is also a County Architect and County Planning Officer, at a salary in accordance with A.P.T. Grade VIII (consolidated £685 to £760 per annum) of the National Scales of Salaries for Local Authorities Staffs. Preference will be given to candidates holding one or other of the following qualifications: A.R.I.B.A. or A.M.T.P.I. Full particulars and form of application may be obtained from the undersigned, with whom applications (on the prescribed form) must be lodged within fourteen days from the appearance of this advertisement.

IAN A. MACKNIGHT,  
County Clerk.

County Buildings,  
Forfar.  
7th August, 1948. 1514

**Tenders for Contracts**

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

**COUNTY BOROUGH OF BRIGHTON.**

To Builders and Contractors:—  
Tenders are invited for the erection of 26 Permanent Houses on the LOWER BEVEDEAN ESTATE, BRIGHTON.

Bills of Quantities will be ready on and after the 3rd August, 1948.

Contractors desiring to Tender should apply to the Borough Engineer and Surveyor, Mr. D. J. Howe, M.I.C.E., M.I.Mun.E., 26/30, King's Road, Brighton, and enclose a deposit of £2 2s. (made payable to the Borough Treasurer), which will be refunded on receipt of a bona-fide Tender or notification of inability to Tender, providing such is received before the latest date of tendering. Plans may be viewed during the usual office hours.

Sealed tenders, suitably endorsed, are to be delivered in the envelope provided, to the undersigned, not later than 12 noon on Monday, the 6th September, 1948.

(Sgd.) J. G. DREW,  
Town Clerk.

Town Hall, Brighton.  
July, 1948. 1448

**WILLENHALL URBAN DISTRICT COUNCIL.  
ERECTION OF 50 PERMANENT HOUSES.**

Tenders are invited for the erection of 50 houses on Beacon Colliery Estate. Contractors may tender for 10, 18, 22 or 50 houses.

Bills of Quantities may be obtained from, and plans and conditions of contract may be inspected at, the offices of Messrs. Harvey & Wicks, F.F.R.I.B.A., Architects, 117, Hagley Road, Edgbaston, Birmingham, 16, on payment of a deposit of £2 2s. 6d., which will be returned on receipt of a bona-fide tender and relevant documents.

Tenders must be delivered to the undersigned in a sealed envelope which will be provided, marked "Tender, Beacon Colliery Site Houses," by 1st September, 1948.

The lowest, or any Tender will not necessarily be accepted.

JOHN R. RIDING,  
Clerk of the Council.

Town Hall,  
Willenhall. 1506

**Competitions**

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

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**Architectural Appointments Vacant**

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

**ARCHITECTURAL ASSISTANTS** required in Offices at Tavistock, Newton Abbott, and Plymouth; applicants should have reached at least R.I.B.A. Intermediate standard, and be capable of working with a minimum of supervision; salary according to experience and qualifications. Reply to L. F. Vantone & Partners, Chartered Architects, Surveyors, National Provincial Bank Chambers, Tavistock. 1263

**ARCHITECT'S ASSISTANT**, capable of preparing surveys, details, and specifications, required for general Country practice; knowledge of housing procedure an advantage; give full details, training, age, experience, etc.; good opportunity for a keen young man. Apply Edwin H. Earp, L.R.I.B.A., Stratford-on-Avon. 1368

**SENIOR ASSISTANT ARCHITECT** required in the Staff Architects' Department of a large West Riding Multiple concern; salary £500 p.a. Write, stating age and experience, with copies of testimonials, to Box 1386.

**SENIOR ARCHITECTURAL ASSISTANT** required by Dublin City Office, Eire; must have 15 to 20 years' experience, expert knowledge of working drawings, etc., and knowledge of hospital work; salary £750 to £1,000, according to experience. Also TWO SENIORS required; expert knowledge of working drawings; salary £500 p.a. Box 1393.

**ASSISTANT** required; to work under Senior Assistant on measuring up, working drawings and details. Write, stating age, experience, salary required, and when available, S. G. Seales, A.R.I.B.A., National Provincial Bank Chambers, Eastbourne. 1469

**SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS** required immediately; salary according to experience and qualifications. Write, stating age, qualifications, experience and training, to H. & H. M. Lidbetter, F./A.R.I.B.A., 2, Verulam Buildings, Grays Inn, W.C.1. 1476

**PART-TIME ASSISTANCE** required; working drawings for small houses, country cottages, farm structures, industrial structures. R. D'Arcy Swainson, M.I.Struct.E., F.I.A.S., 76, Millthorpe Road, Horsham. 1458

**ARCHITECT-QUANTITY SURVEYOR** required; general and housing experience; car driver; final accounts and quantities; salary £400-£500, depending on experience; one-bedroom furnished flat shortly available. Saunders & Partners, Architects, Castlegate, Newark-on-Trent. 1462

**JUNIOR ARCHITECTURAL ASSISTANT** required; should be interested in contemporary design; ability to prepare constructional working drawings from sketch designs is essential; salary £6 to £8 per week, according to experience. Apply in writing, Misha Black, Design Research Unit, 37, Park Street, W.1. 1460

**EXPERIENCED SENIOR ARCHITECTURAL ASSISTANTS** required in busy Bloomsbury office engaged on commercial and general practice. Telephone HOLborn 5108, or write with details, to Box 1459.

**FIRM** of Provincial Architects in Northern Ireland require a qualified and experienced SENIOR ASSISTANT, with a view to Partnership, and also an experienced ASSISTANT. Apply Box 1467.

**ARCHITECTURAL ASSISTANT** required; R.I.B.A. Intermediate standard; good draughtsman. Apply, stating age, experience, and salary required, to Farmer & Dark, Chartered Architects, Terminal House, Grosvenor Gardens, London, S.W.1. 1486

**ARCHITECTURAL or SURVEYING ASSISTANT** required for maintenance work by North Eastern Brewery, permanency for suitable man. Help given with housing accommodation. State salary required, age, experience, training and full particulars to Box 1502.

**ASSISTANT** required, Architect's busy office on South Coast. Capable man with sound experience, able to produce neat and accurate work. Salary according to ability. State age, experience, and salary, Box 1516.

**Architectural Appointments Wanted**

**ARCHITECTURAL ASSISTANT**, 15 years' wide experience, desires progressive position; Southern England or abroad (South Africa preferred). Eric A. Bates, F.F.S., Clopton Bridge House, Stratford-upon-Avon. 155

**ARCHITECTURAL ASSISTANT** (age 27), Dip.Arch.(Liverpool), recently passed Final examination, desires post with progressive opportunities in Devon or Cornwall. Box 157.

**AN Associate R.I.B.A.**, with 2 years' experience in India and 15 months' experience in Central London, seeks suitable appointment in county of London. Write Box 156.

**QUALIFIED Architect** (female, 23) requires position as SENIOR ASSISTANT in Architect's office, in London, W.; diploma of the University in Athens and 7 months' experience in Government office in Greece. Box 152.

**ARCHITECTURAL ASSISTANT** (30), N. Ireland, desires position offering scope in or near London. Salary £600 to £700 p.a. according to nature of appointment. Box 159.

## Other Appointments Vacant

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

### STRUCTURAL ENGINEERING ASSISTANTS.

Applications are invited by the Co-operative Wholesale Society, Ltd., for appointment of Structural Engineering Assistants, in their Manchester Architects' Department. Applicants should have experience in the design and detailing of structural steel, reinforced concrete, and foundation works. Salary up to £500 per annum, according to qualifications plus cost-of-living bonus.

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Applications, stating age, qualifications and experience, to C.W.S. Ltd., Architects' Department, 1, Balloon Street, Manchester. 4. 1413

**DUNLOP RUBBER CO.** requires **STRUCTURAL ENGINEERING DRAUGHTSMAN**; must be experienced in detailing reinforced concrete or steel work; knowledge of design advantageous, but not essential. Applications in writing to Personnel Manager, Fort Dunlop, Erdington, Birmingham 24. 1443

**DRAUGHTSMAN** required immediately by London Consulting Engineer and Surveyor for setting down variety of site surveys; knowledge of setting down essential, with some experience reinforced concrete and steel; willing to join in outside survey work as necessary in any part country; must be accurate, conscientious, and eager to learn; only those seeking real work of an indoor/outdoor all-weather nature need apply; opportunity for right type. Write full particulars, with copies of testimonials, to Box 1461.

**SECRETARY** 8/1 to Architects; 5-day week, plus 1 Saturday morning in 4; smallish office, pleasant atmosphere; holiday and Christmas bonus; good speeds essential; switchboard, but no book-keeping. Write Kerr & Colbourn, 7, Bedford Row, W.C.1. 1463

**MAJOR MIDDLE EAST OIL CO.** urgently requires a **QUANTITY SURVEYOR'S ASSISTANT**; should have had at least 7 years' experience in Quantity Surveyor's office and to be capable of taking off, abstracting, billing, preparing estimates from drawings for all types of building works, measuring work on site, settling accounts, and able to prepare small sub-contracts and write specifications; a man with some service survey experience, together with civil experience, would be considered; starting salary £540 per annum; age under 35. Write, giving brief details, etc., of experience, and quoting "K 406," to Box No. "Z.G.," c/o J. W. Vickers & Co., Ltd., 7/8, Great Winchester Street, London, E.C.2. 1483

**MAJOR MIDDLE EAST OIL CO.** urgently requires **ASSISTANT SURVEYOR**; to have experience of large triangulation surveys, and able to undertake same and precise levelling from start to finish; experience hydrographical survey work an advantage; starting salary up to £600 per annum; age under 35. Write, giving brief details, etc., of experience, and quoting "K 404," to Box No. "T.G.," c/o J. W. Vickers & Co., Ltd., 7/8, Great Winchester Street, London, E.C.2. 1482

**QUANTITY SURVEYOR** required, fully qualified to take off all classes of building work and with thorough knowledge of building work and with thorough knowledge of present day prices. Preference will be given to applicant holding the R.I.C.S. Diploma. Apply Box 1515.

A **VACANCY** exists for a **TECHNICAL ASSISTANT** to develop the use of aluminium and aluminium alloys for building applications. Applicants should not be over 30 years of age, and should possess architectural qualifications or equivalent practical experience. Box 1505.

**SENIOR SURVEYING ASSISTANT** required, preferably Chartered Surveyor, with knowledge of building construction and surveys. Salary, £600-£900, according to ability. Hargreaves & Reed, 17, Crook Log, Bexleyheath, Kent. 1503

**VACANCY** for experienced **MODEL MAKER** in Elstree district. Previous skilled experience essential. Applications to Box 1504.

**BRITISH** firm has vacancy for **CLERK OF WORKS** (preferably single) for service in Hong Kong and China. Candidates should have good experience in building and civil engineering works of all kinds as General Foreman or Foreman Joiner, with ability to read accurately all types of plans and to make simple surveys and drawings; preferably with knowledge of reinforced concrete and general building work. Salary, £450 to £550 p.a., according to experience, plus cost of living allowance. A medical examination for fitness will be necessary before appointment. Applicants should state their age, trade, etc., and submit full details of work experience and the capacity in which they were engaged, together with the names of their employers, to Box 1501.

**DRAUGHTSMAN** wanted by firm of country builders specialising in country cottages and farm buildings. Applicant should forward specimen drawing which will be returned immediately, and state salary required. Lions Green Works, Ltd., Horam, Sussex. 1492

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**CHARTERED** Architect, having wide experience in England and overseas, desires responsible appointment; administrative experience; able to take charge. Room 33, 4, Inverness Terrace, W.2. 1464

**ARCHITECTURAL** Models made to order; photographs of past work available. Box 1489.

**YOUNG** Man, recently completed military service, keen on studying Architecture, desires position in Architect's office, preferably in West Midlands. Box 1478.

**QUALIFIED ARCHITECT** would like to give part-time Assistance on War Damage Repairs, Cost of Works Rebuilding, Surveys, Specifications, and Preparation of Drawings for other works. Box 1490.

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J. C. JONES,

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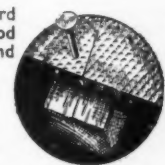
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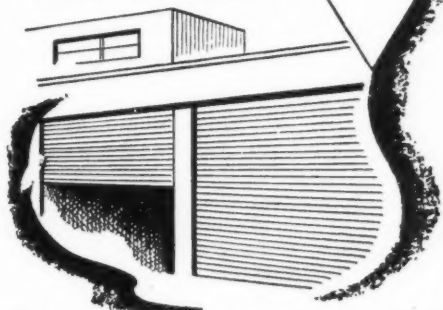
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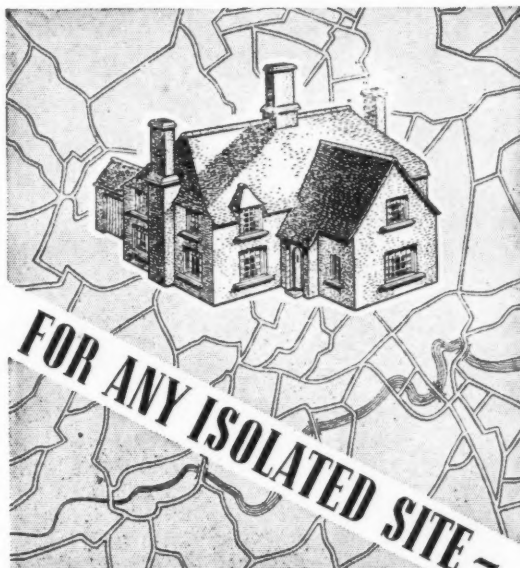
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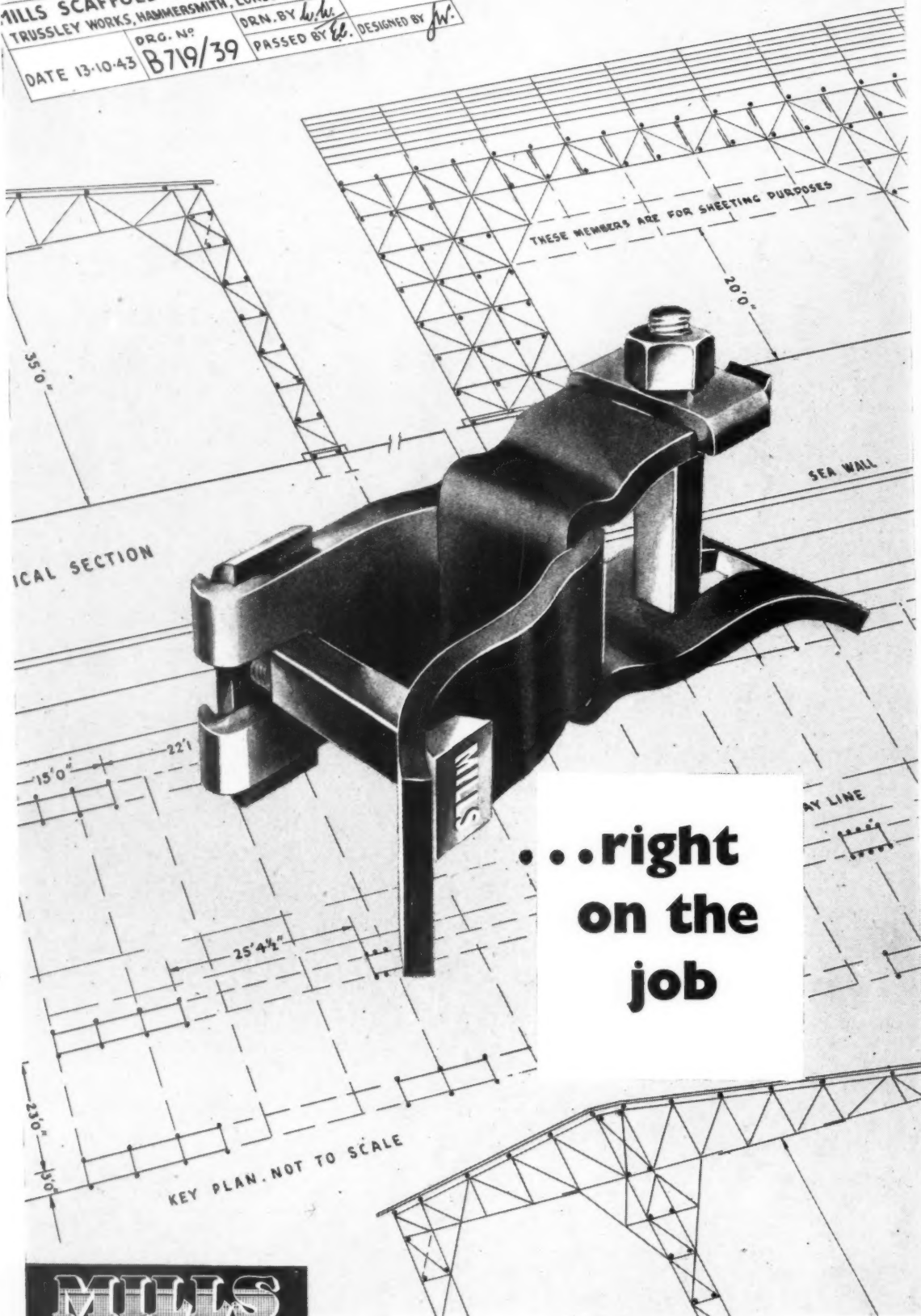
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