

THE ARCHITECTS' JOURNAL

STACK



standard contents

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

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill, Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9/37
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. 13, Portman Square, W.1.	Welbeck 4185
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. 43, George Street, Croydon.	Croydon 5452
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon.	Newport 3111
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
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 5540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Waterloo 1951
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	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
LAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 5617
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4575

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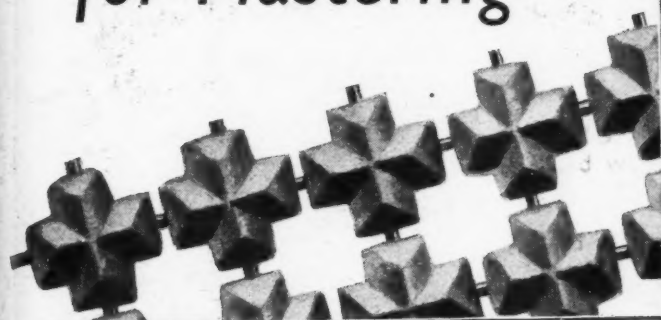
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Until the mid-18th century, pottery-making in North Staffordshire was a peasant or family craft in which the few mechanical devices used were of the simplest kind. The ware was sold to packmen and distributed at great cost throughout the country. At first local clays were used almost exclusively but the influence of delftware and stoneware led to experiments with new materials and glazes. Coal-firing gradually superseded earlier methods, and the fact that both clay and coal were abundantly available largely accounts for the rapid development of the pottery industry in the North Staffordshire area now known as "The Potteries".

The Elers Brothers, Dutch silversmiths, probably introduced salt-glazing into the district. Astbury improved on it and perfected a whiter and harder body, in which imported Devon clays and calcined flint stones were used. Im-

provements in methods of moulding and slip-casting were made—and the way was gradually prepared for the great developments which Wedgwood, Spode and other master potters would make towards the end of the century.

The 18th century was the heyday of the Staffordshire earthenware figure-makers, among whom Thomas Astbury, Thomas Whieldon, John Walton and the Wood family are the best-known. Their finest work is characterised by simple and powerful direct modelling, by the vivid expression of the Hogarthian humour of the times, and by the brilliant but seldom garish range of glazes in green, yellow, brown, orange, blue and grey.

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spontaneity and their very lack of sophistication. These—and many other figures of the period, such as boxers, sweeps, street-singers, gamekeepers and rustic groups—are eagerly sought by collectors. Most famous of all, perhaps, are the well-known Toby jugs and mugs (in which the Woods excelled). These depict not only the famous toper himself but also several other real or legendary characters of the age. They link up with a long line of tankards and jugs fashioned in human likeness by potters of almost every age and race, from ancient Babylon onwards.

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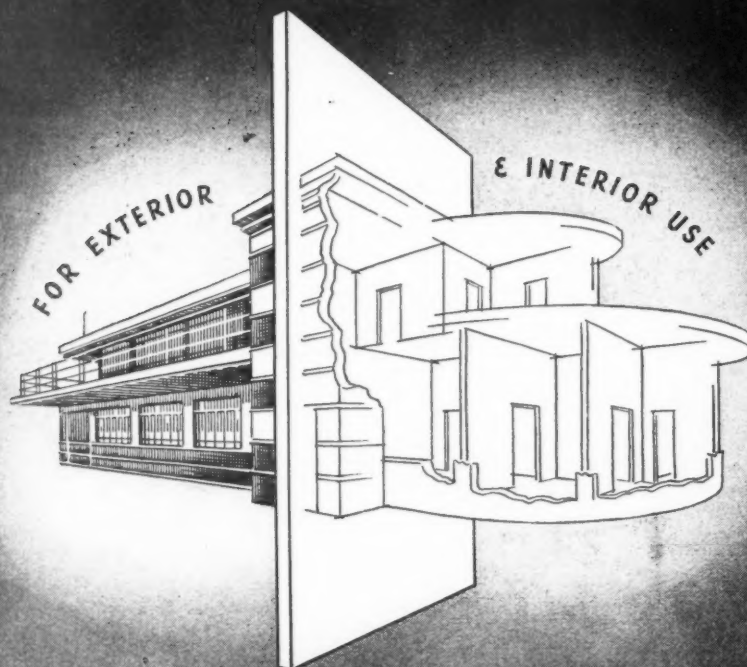


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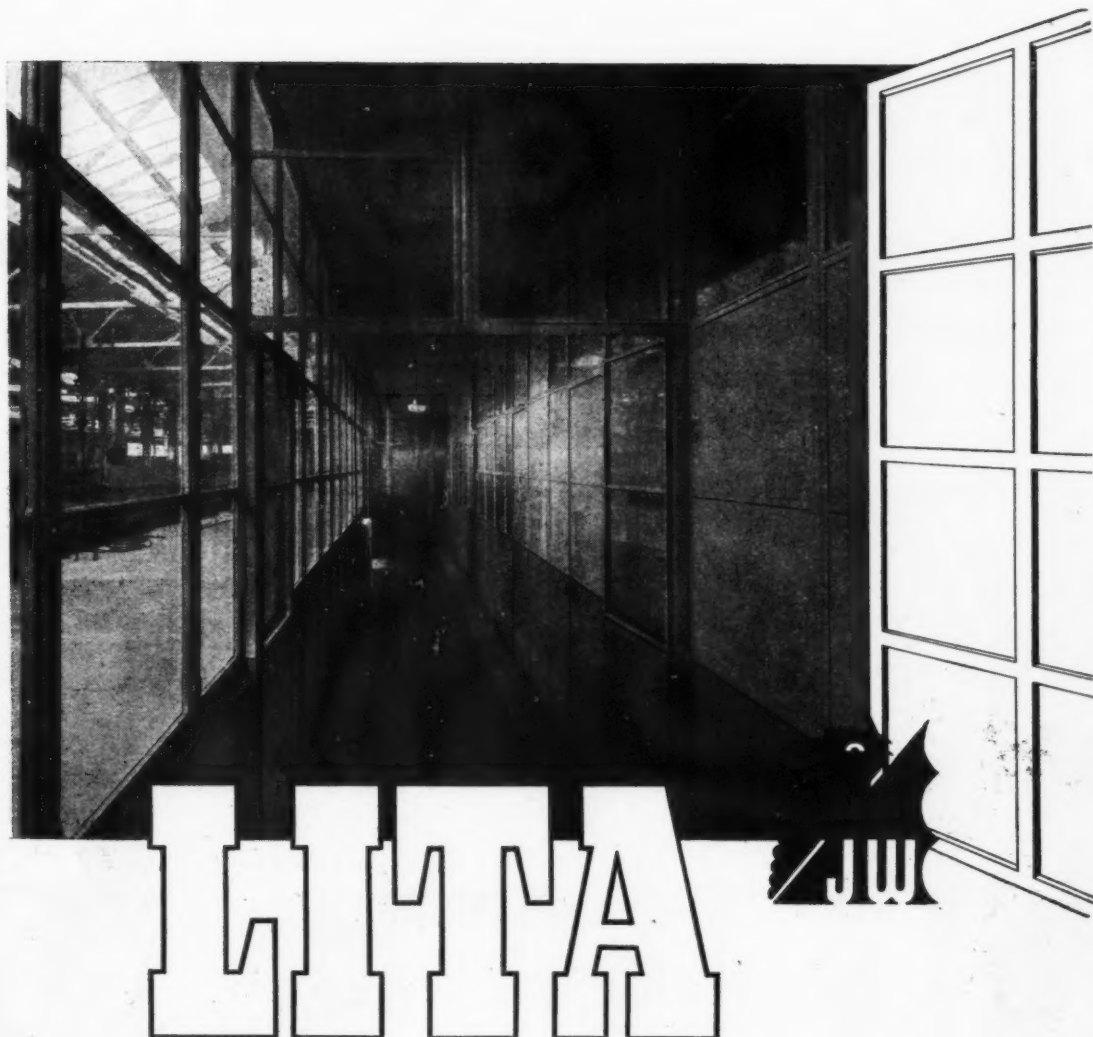
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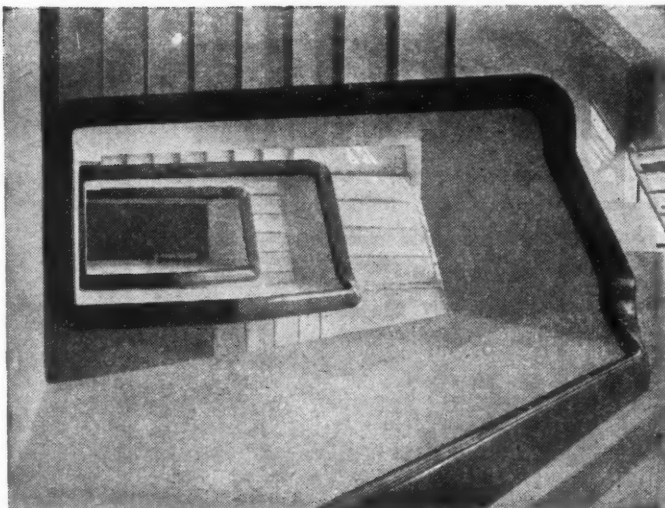
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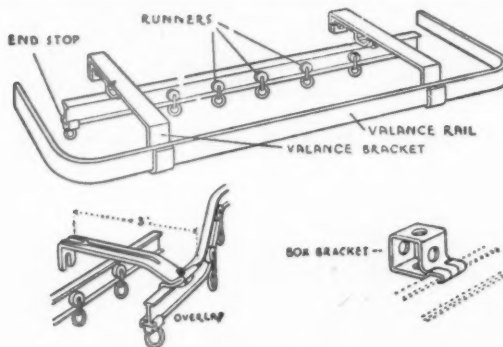
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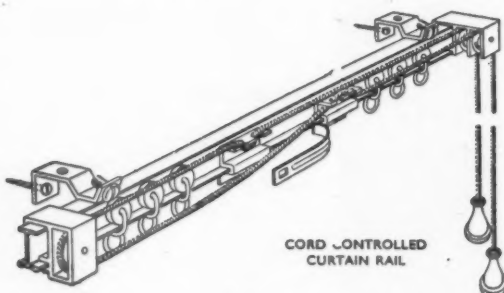
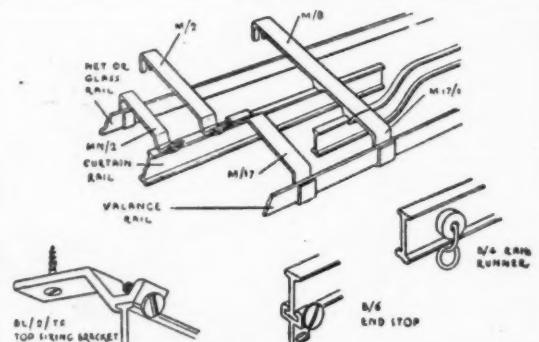


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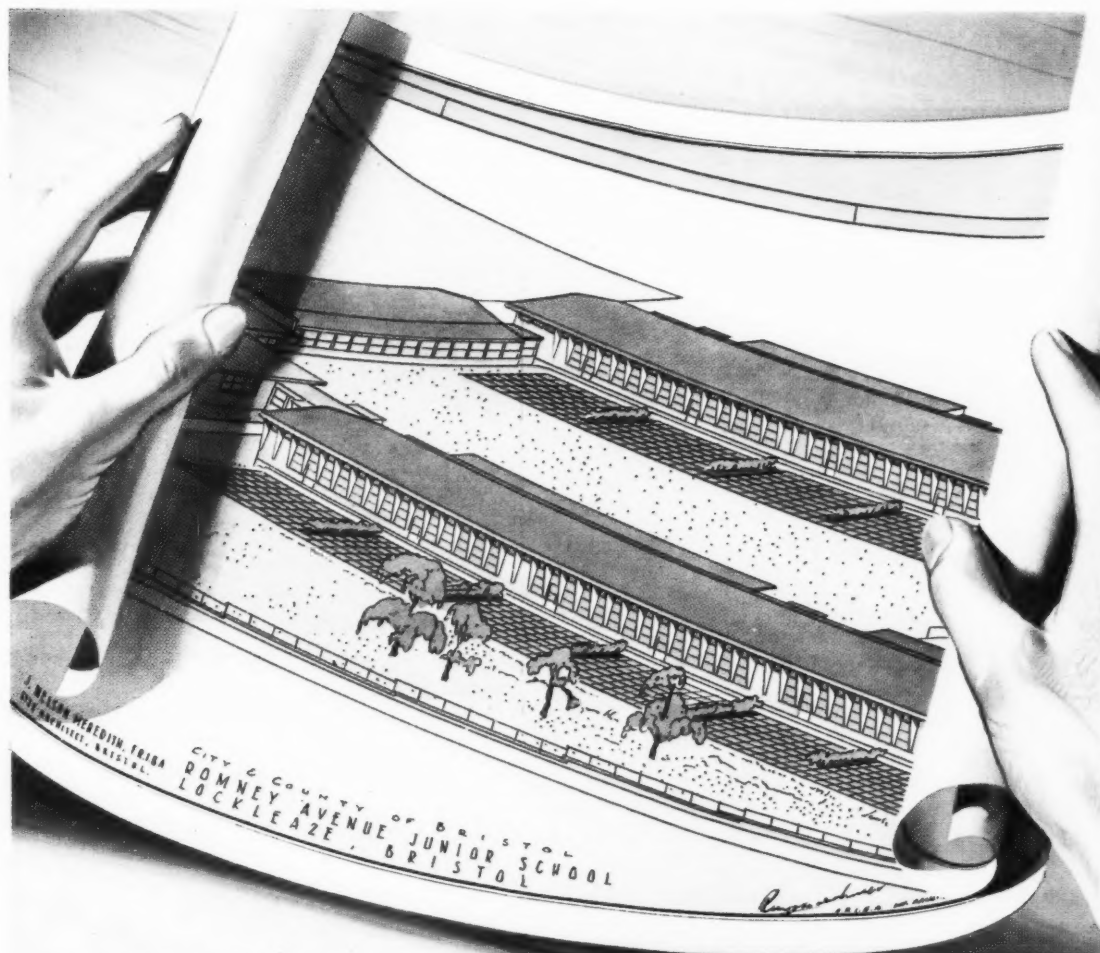
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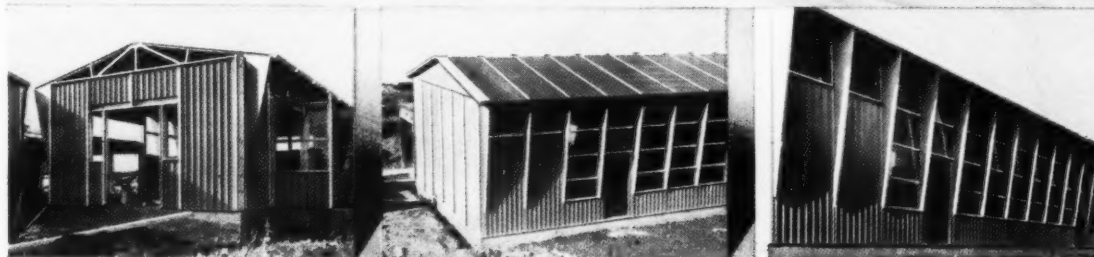
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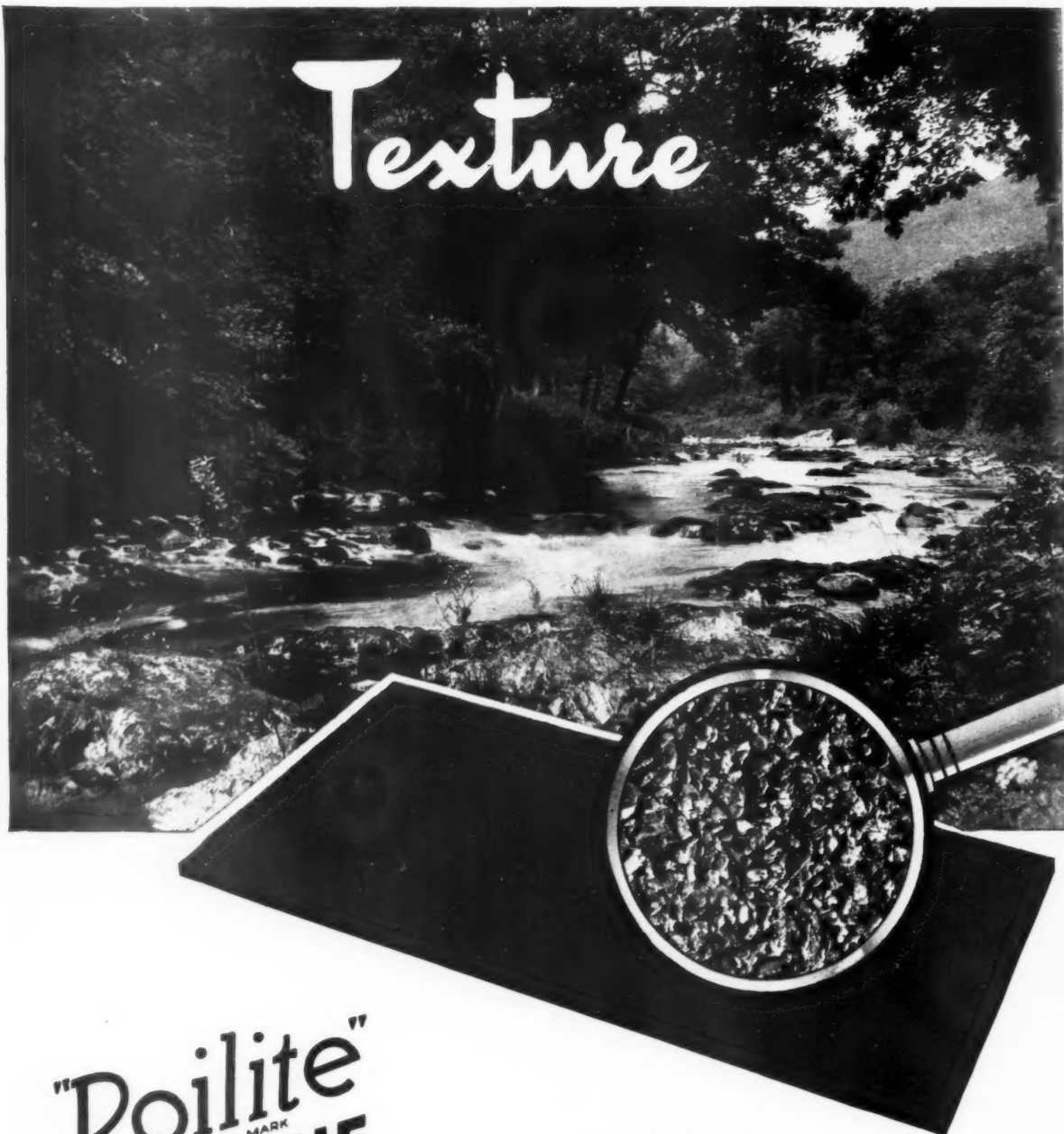
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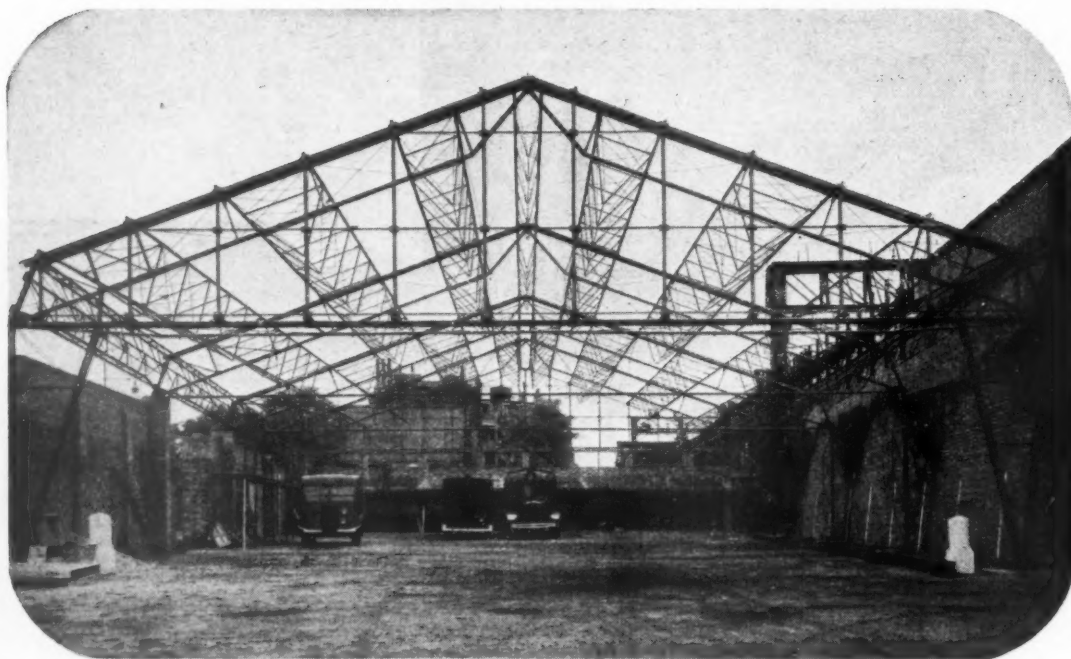


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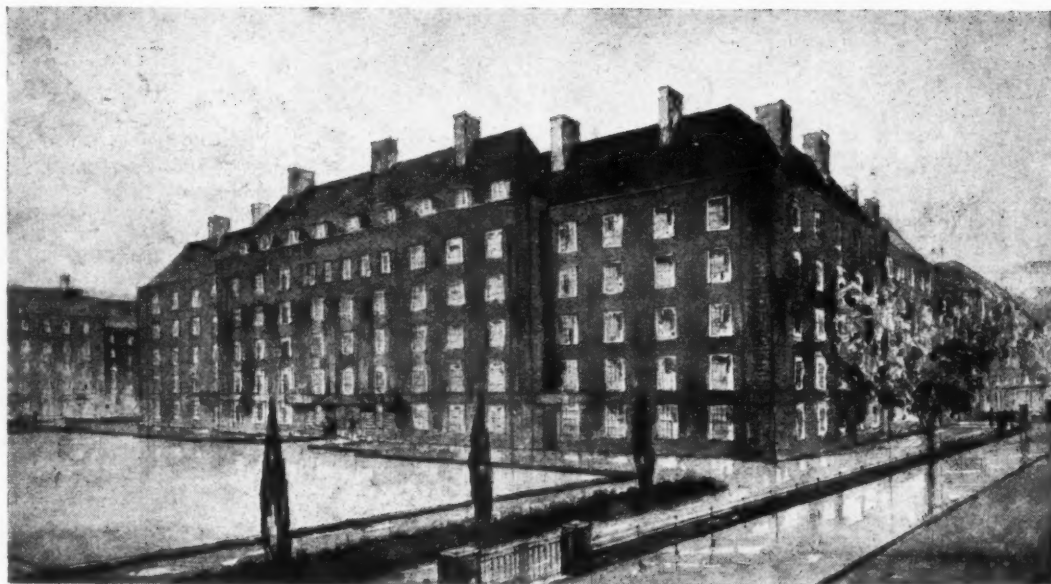
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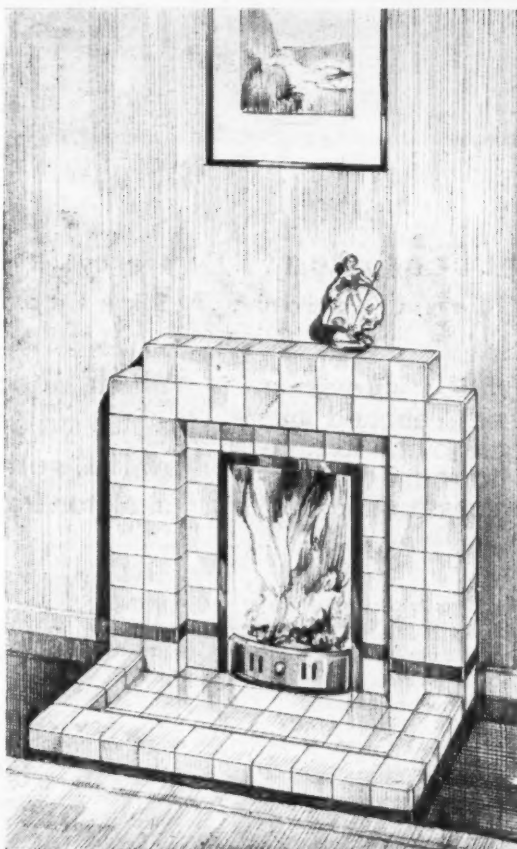
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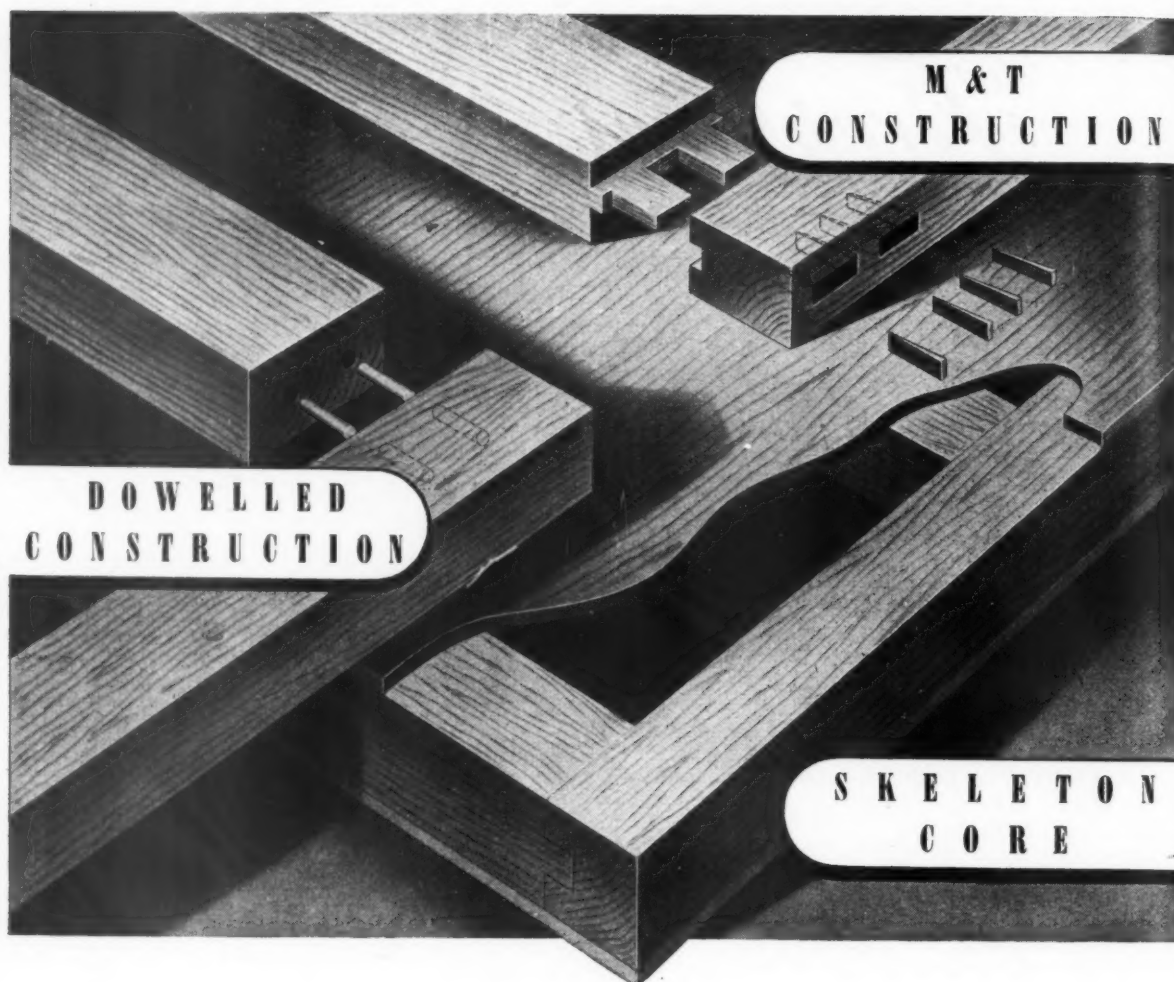
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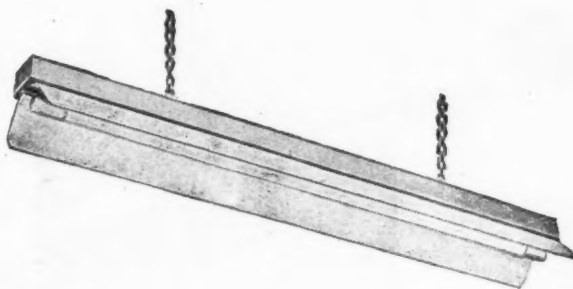
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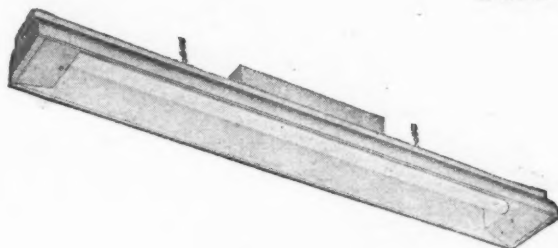
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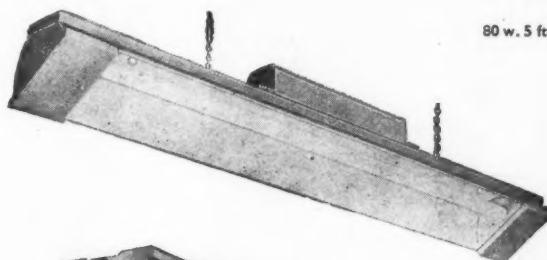
The study of industrial and commercial illumination is the specialised business of the Ekco-Ensign Lighting Advisory Service, which will gladly submit planned lighting schemes for any class of building, without obligation.



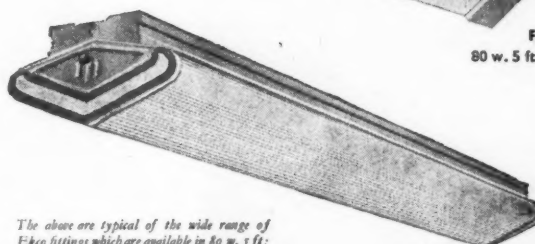
FF10
80 w. 5 ft. fitting



FF15
80 w. 5 ft. fitting



FF15/A
80 w. 5 ft. fitting



FF4/201/DX
40 w. 4 ft. twin-lamp fitting

The above are typical of the wide range of Ekco fittings which are available in 60 w. 1 ft.; 40 w. 4 ft.; 40 w. 2 ft.; 20 w. 2 ft.; Single, Twin and Triple lamp types.

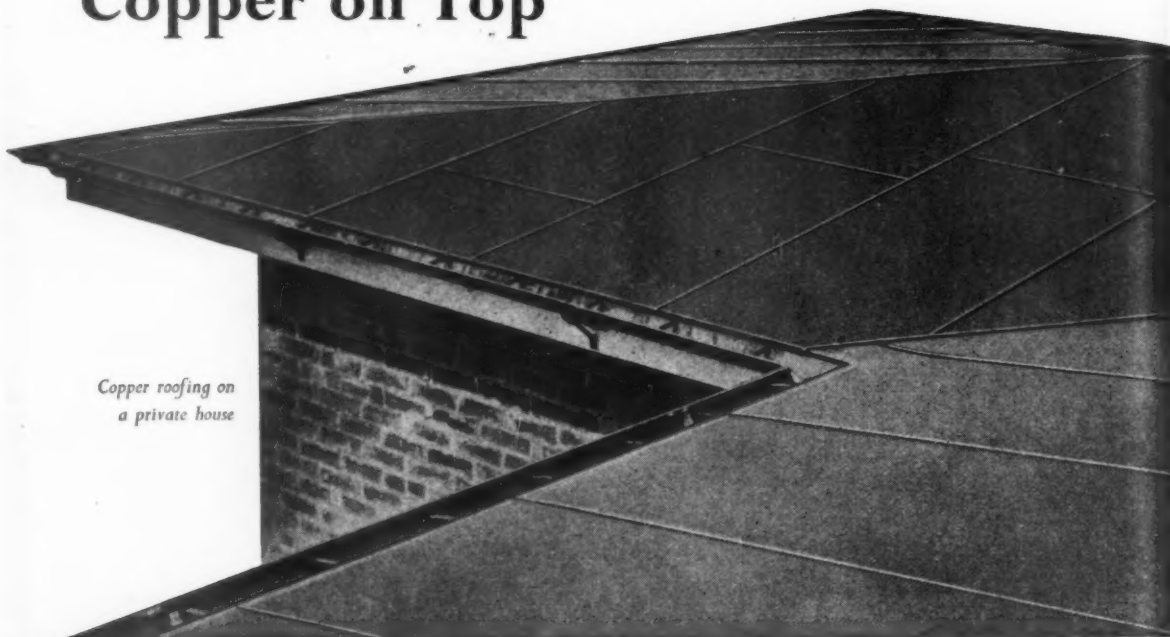
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*Copper roofing on
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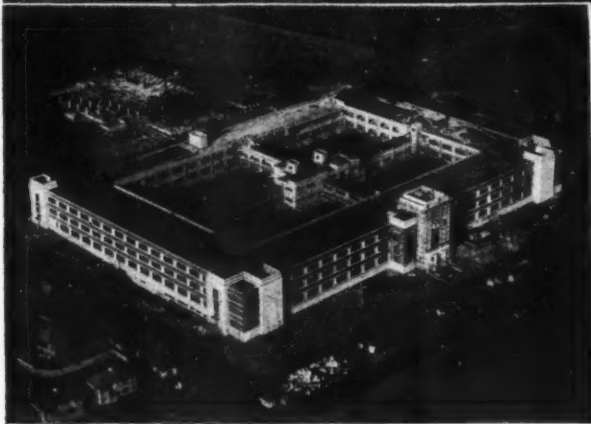
Information and advice on any use of copper and its alloys will be sent, free of charge or obligation, on request to Copper Development Association, Kendals Hall, Radlett, Hertfordshire. Radlett 5616

COPPER DEVELOPMENT ASSOCIATION

R.1/49



Empire Stone was used in the new Wills factory.



Chief Engineer:
Imperial Tobacco, Ltd.

Aerial photograph by Turners,
Newcastle-on-Tyne

In this impressive W. D. & H. O. Wills
factory at Newcastle, Empire
Stone has been extensively used.

Empire Stone Company Limited

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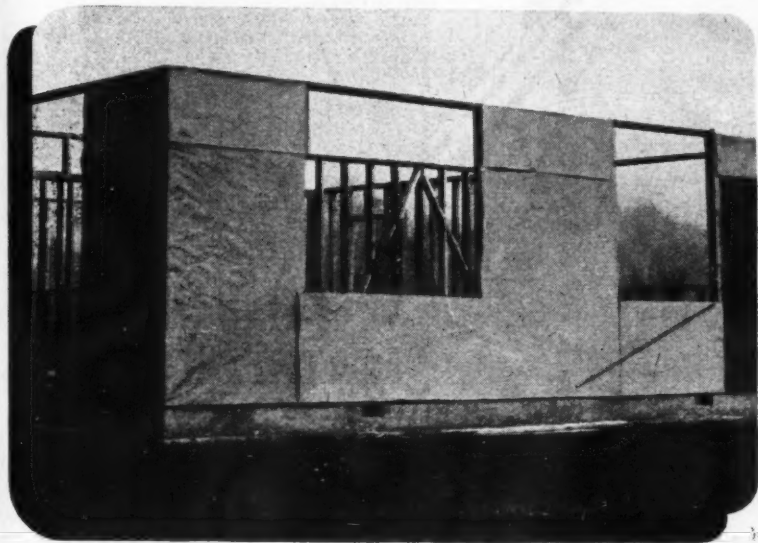
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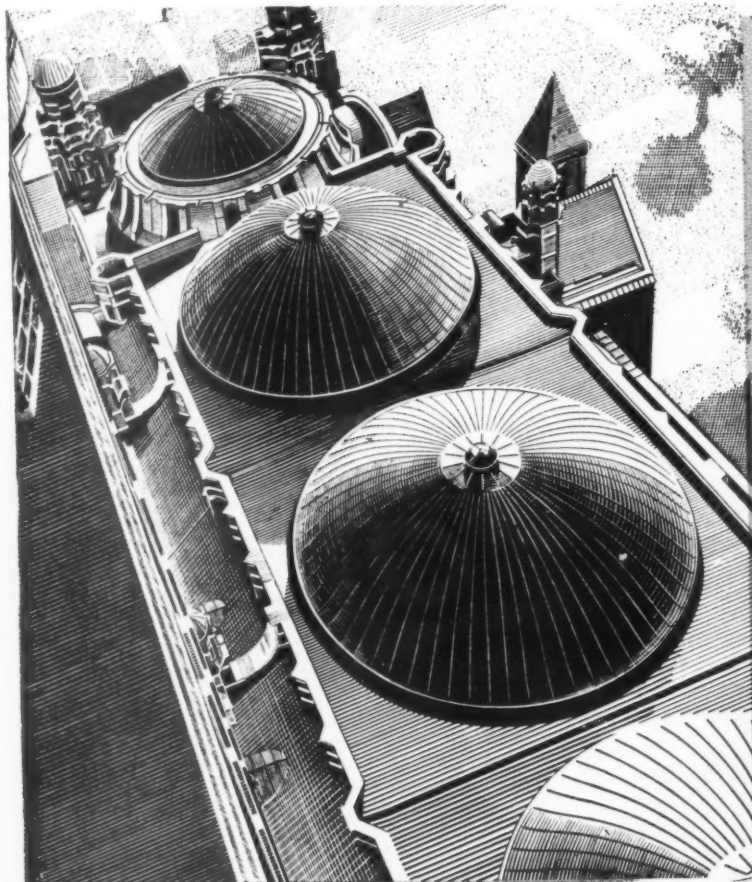
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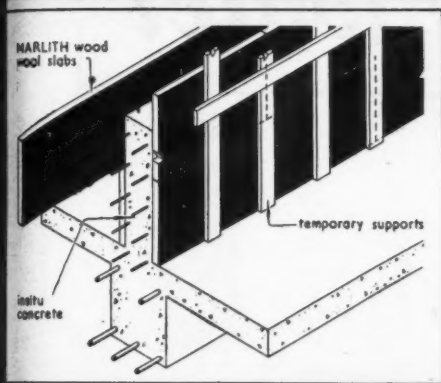
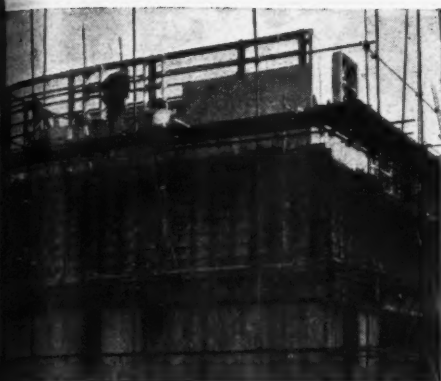
L.C.C. FLOWER HOUSE ESTATE

Marlith Wood Wool Building Slabs used as permanent insulating shuttering

1-inch MARLITH is used as permanent shuttering on the inside of the external walls of the flats at this L.C.C. Estate. In all there are 15 blocks of 3 and 4-storey flats and 53,000 sq. yds. of Wood Wool Slabs have been used.

This use of MARLITH does away with conventional in-situ shuttering, reduces timber requirements, saves time and labour, increases thermal insulation, and eliminates the cause of condensation. MARLITH provides a natural key, thus ensuring a perfect plaster base.

MARLITH possesses a low thermal conductivity ($K = 0.58$ B.Th.U./sq.ft./hr/1°/1°F) equal to 14" of brickwork. By incorporating MARLITH into the structure the thermal transmittance "U" value of the external walls was reduced from 0.44 to 0.25 B.Th.U's per square foot, per hour, per 1°F difference in temperature.



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Marlith WOOD WOOL BUILDING SLABS

1. Work in progress on one of the block of flats at the L.C.C. Flower House Estate, Catford.
2. Method of using Marlith as permanent shuttering for walls.
3. A view of the completed flats at the Flower House Estate.

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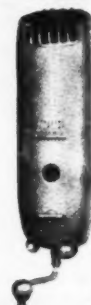
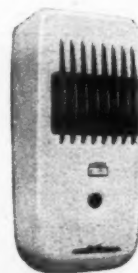
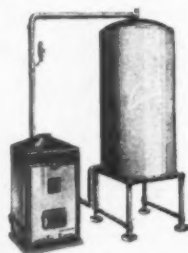
MARLITH Slabs conform to B.S. 1105 and are available in the standard sizes of 6'-0" x 2'-0" x 1", 1½", 2", 2½" and 3". Unplastered, the fine open texture of MARLITH affords a particularly high degree of sound absorption. N.P.L. tests disclose that over the middle range of frequencies MARLITH has a sound absorption coefficient of 60%.

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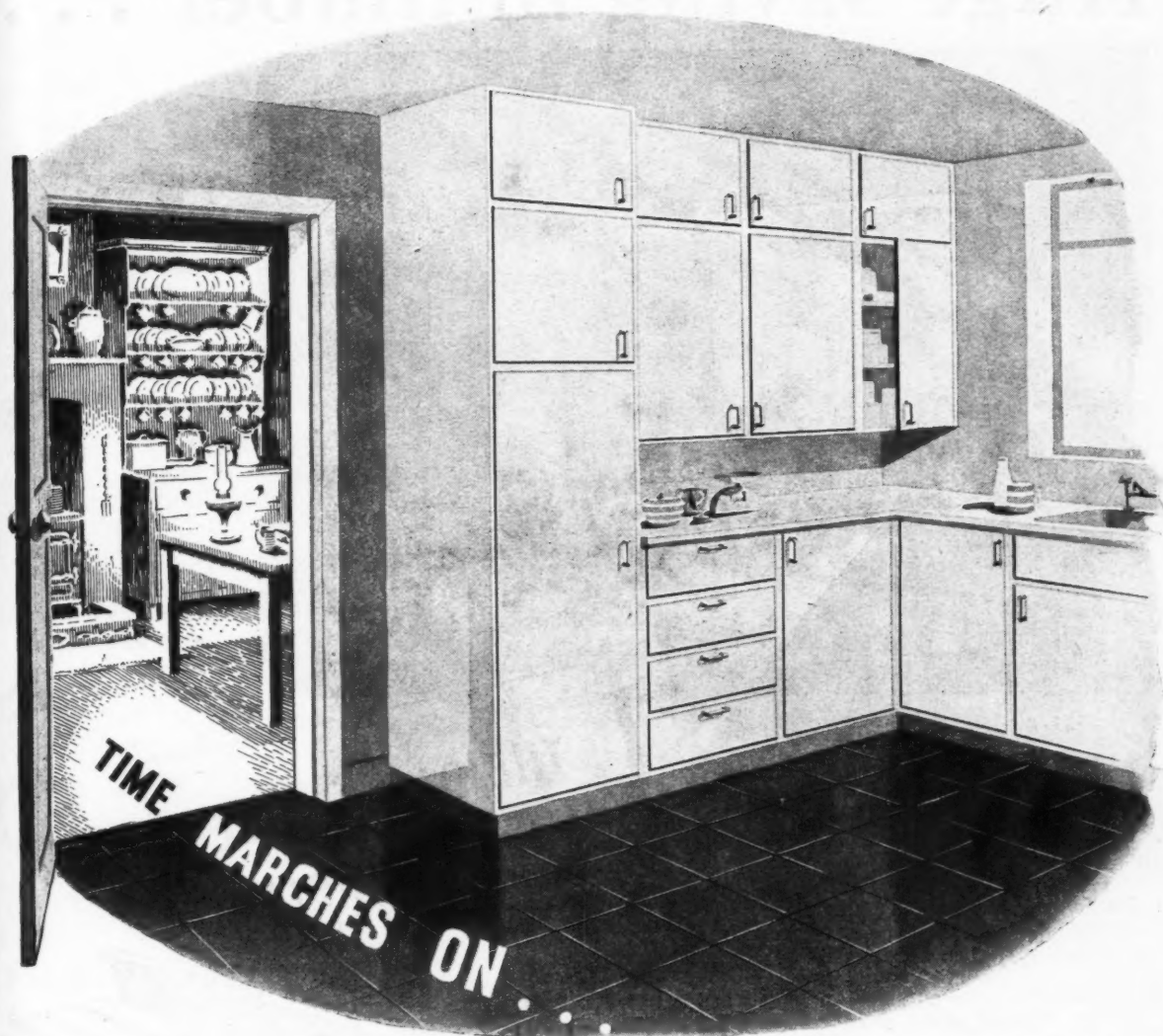
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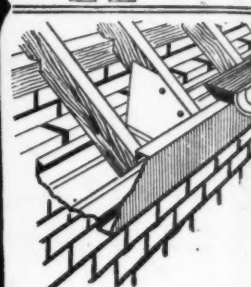
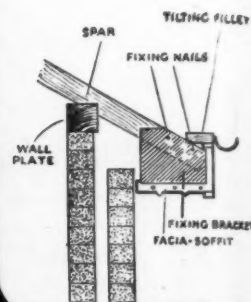
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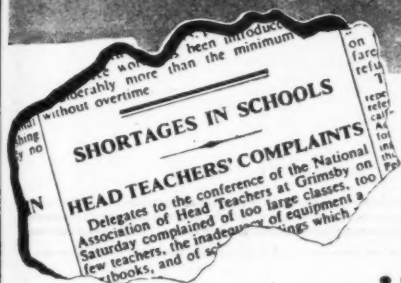
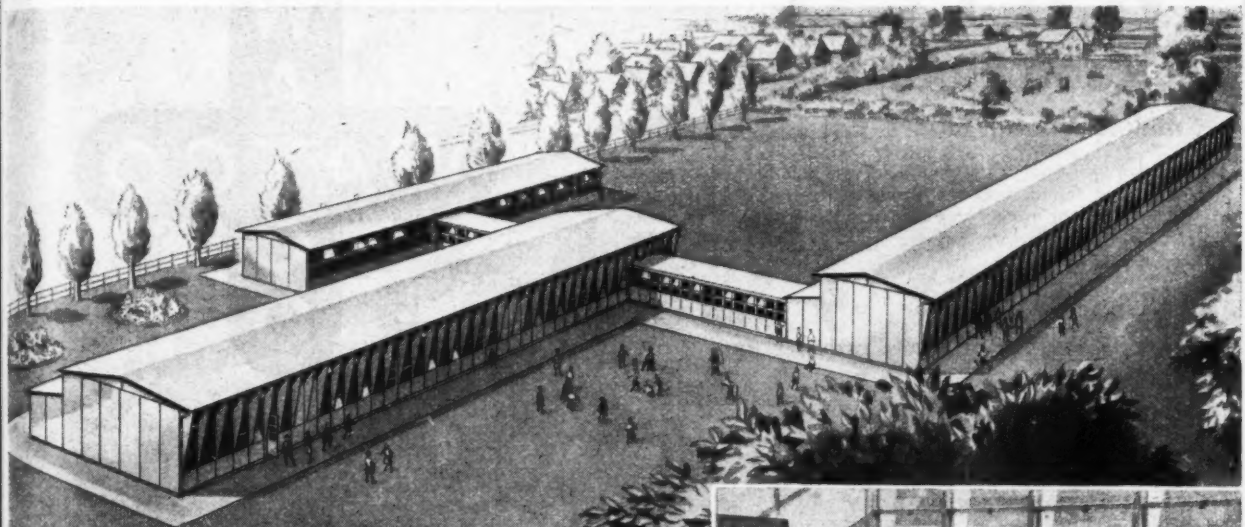
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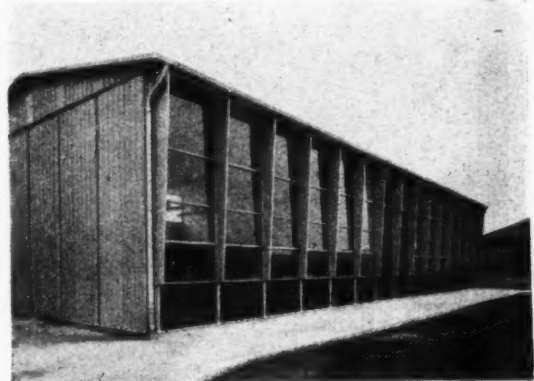
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This illustration shows the light, airy and hygienic conditions obtainable with “Bristol” aluminium buildings.



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makes Wood Floors last longer

Watco Wood Floor Preserver is a new non-slip, heavy duty plastic floor finish, which seals the pores, strengthens the fibres, and acts as a binding medium that solidifies and increases the resistance of the wood to heat, dampness, traffic, acids, and all surface influences.

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Watco Wood Floor Preserver keys well with the wood and becomes part of the floor itself, while its high resistance to dampness and temperature variations checks expansion and contraction of wood blocks and parquet, and the consequent opening of joints. One treatment only is required and will last as long as the floor. The floor is ready for use in a few hours.

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Softwoods treated with Watco Wood Floor Preserver will last as long as the more expensive hardwoods. Regular sweeping will produce a good appearance without polishing, although Watco-treated floors may be washed or polished in the usual way if desired.

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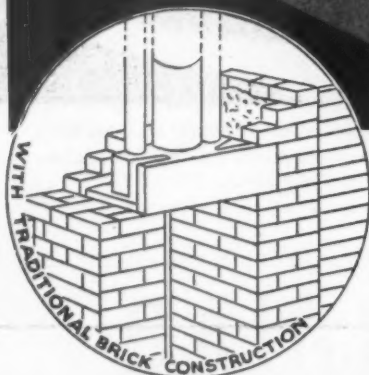
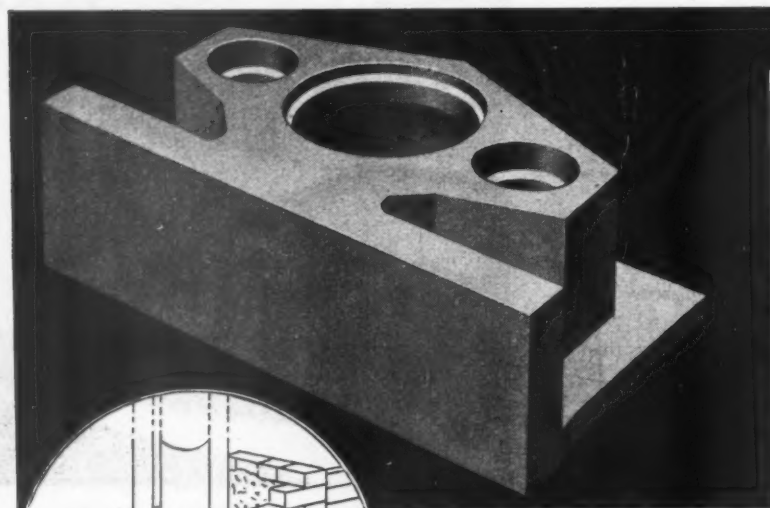
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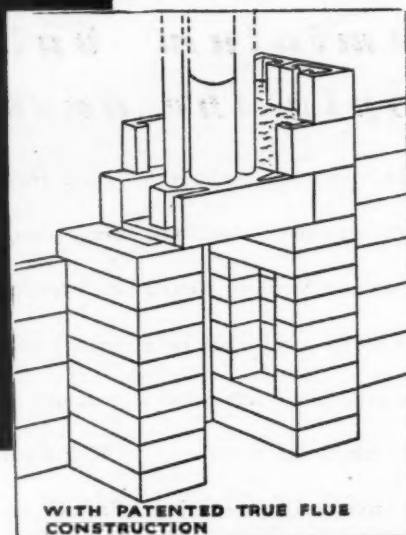


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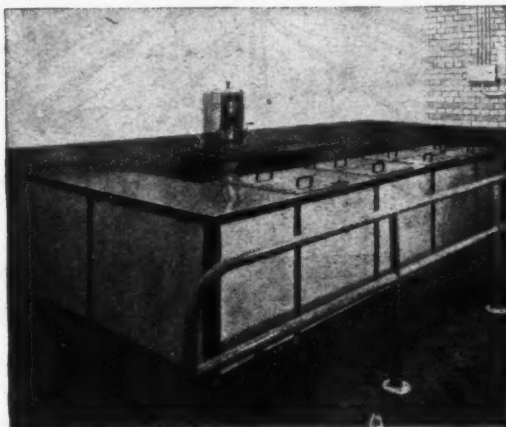
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Below: Romford Isolation
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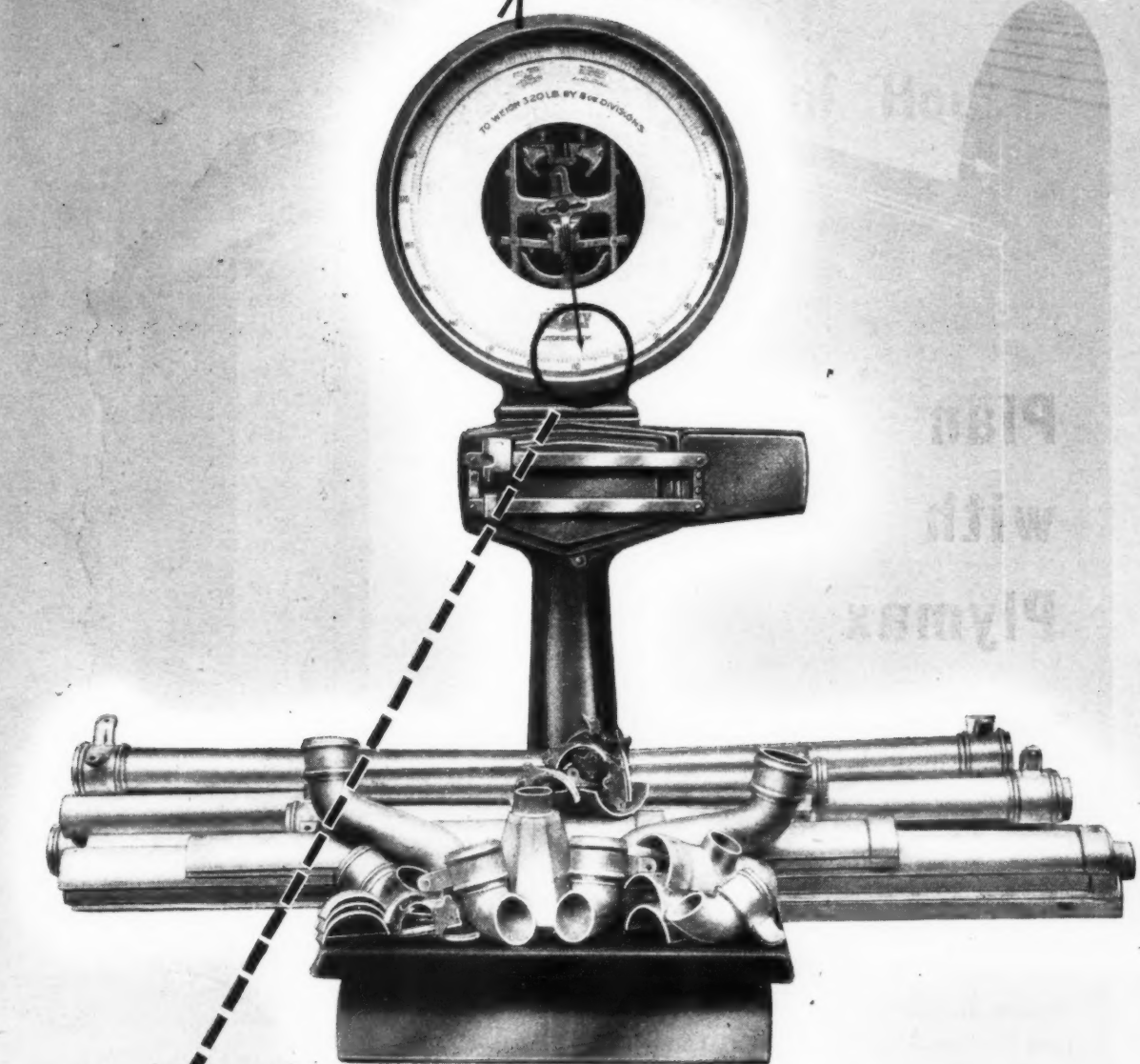
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108 lb



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BIRMID RAIN-WATER GOODS

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These cubicles have been planned for permanence — they are Plymax Standard W.C. Compartments Type "H," erected for Messrs. James Keiller & Sons Ltd., Confectioners & Preserve Makers, Silvertown, E.16. The Contractors were Messrs. J. Jarvis & Sons Ltd. Plymax, the metal-faced plywood, is used for Partitions, Doors, W.C. Compartments, Showers and Dressing Cubicles for Schools, Hospitals, Offices, Factories and Public Buildings.

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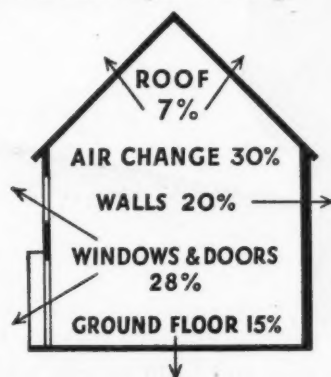
FACTS

about Thermal Insulation of Houses

Thermal insulation of houses, of course, is no new development. The results of Government research have been widely publicised, and many houses now being built are insulated in accordance with official recommendations, which are unbiased, and make due allowance for the fact that :

- A house is not a hermetically sealed chamber, but something to be lived in.
- As long as houses have doors, windows and means of ventilation, they will always be subject to heat losses, however the inner surfaces are treated.
- Thermal insulation must be both practical and economical.

The following diagram shows the heat losses likely to occur from a small terrace house of good modern construction, with insulation up to recommended standards and a reasonable degree of heating.



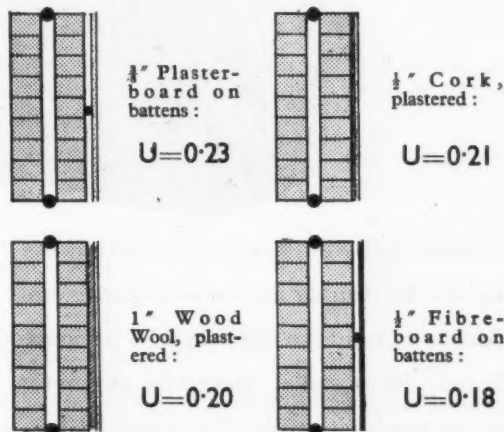
It will be seen that five factors must be taken into account when computing heat losses, that certain losses must be tolerated in all practical and economic house building, and that the loss through walls when insulated to recommended standards is only about one-fifth of the total.

RECOMMENDED STANDARDS FOR WALLS

In the Official Housing Manual, the recommended U-value for walls under normal conditions of exposure is 0.3, with a suggestion that, where the type of construction permits, this figure should be improved to 0.15. In the Post-war Study Committee Report No. 19, it is suggested that external walls should, if possible, have a U-value of not more than 0.2, and that round the living room, where the greatest heat loss occurs, the value should be not more than 0.15, if the mode of heating is capable of close control. Where careful regulation of the heating is not possible, however, e.g. with an open fire, the recommended value for all walls is 0.2.

EFFICIENCY OF BRICK WALLS

Brickwork normally provides reasonably good insulation, and the thicker the wall the lower its thermal conductivity. Cavity construction, particularly when the cavity is unventilated, is more efficient than a solid wall. 9" solid brickwork, plastered on the inner face, has a U-value of 0.43. An 11" unventilated cavity wall, plastered on the inner face, has a U-value of 0.30. When it is desired, in the interests of fuel economy, to reduce heat losses still further, a lining or decorative panelling may be applied to the inner face. The following diagrams show a few of many alternative treatments, and the results thereby achieved :



Those fortunate enough to live in brick houses know that good brick construction ensures warmth and comfort. When additional thermal insulation is desired, it may be applied as easily and economically to brick walls as to any other form of construction. But the BRICK house alone possesses all the following important characteristics :

AMPLE STRENGTH AND DURABILITY; RESISTANCE TO RAIN PENETRATION, FIRE, FROST DAMAGE and EXPOSURE; PERMANENCE OF EXTERIOR FINISH; FREEDOM FROM MAINTENANCE.

Issued by The National Federation of Clay Industries, W.C.I.



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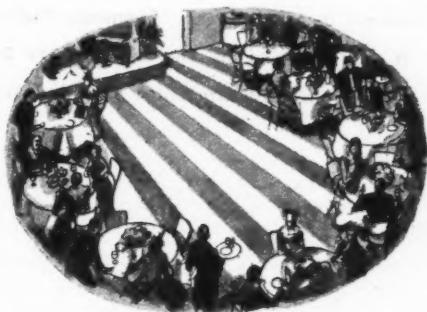
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1/2" or 1" thick, matt or glossy finish, for Builders, Standfitters and
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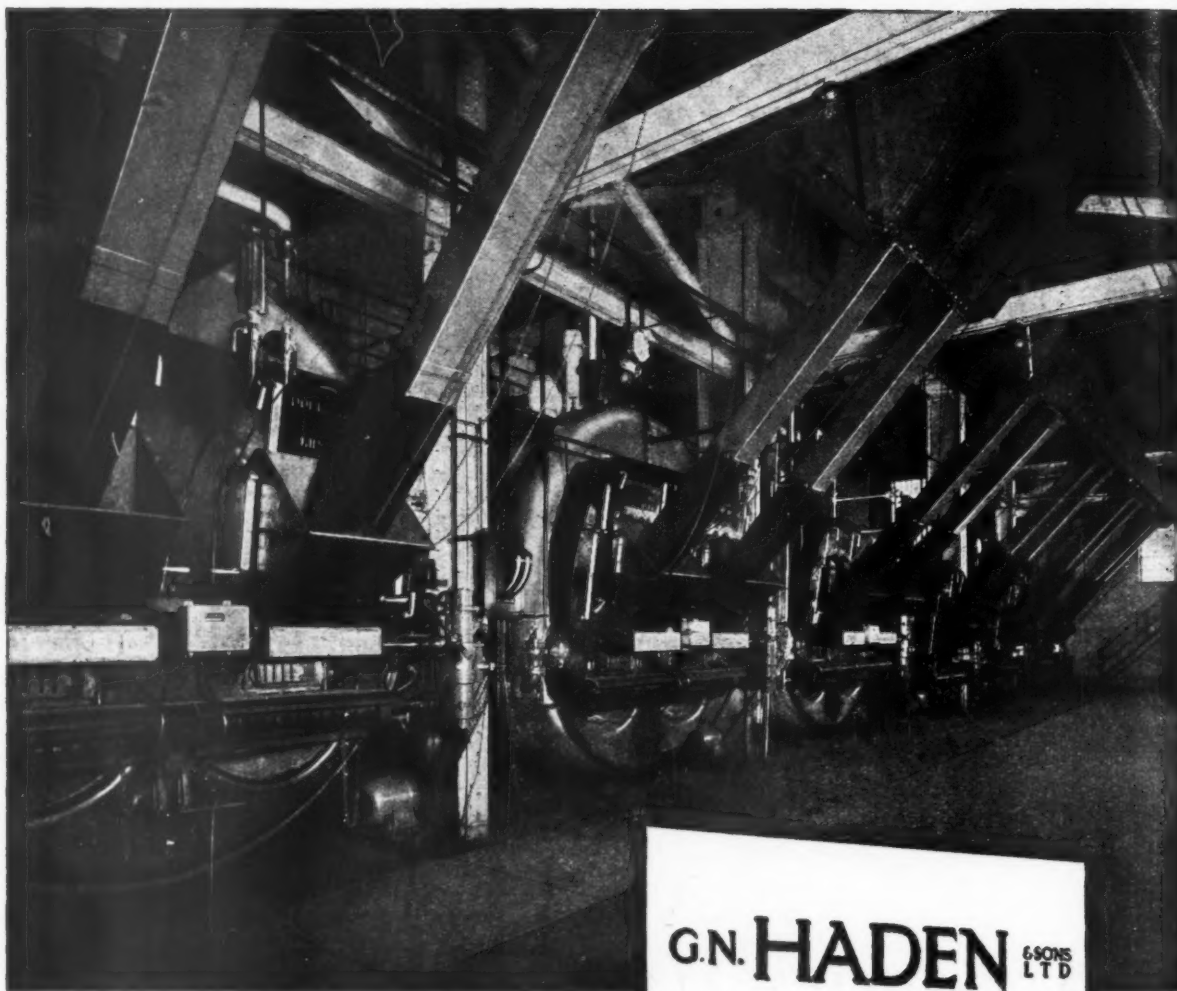
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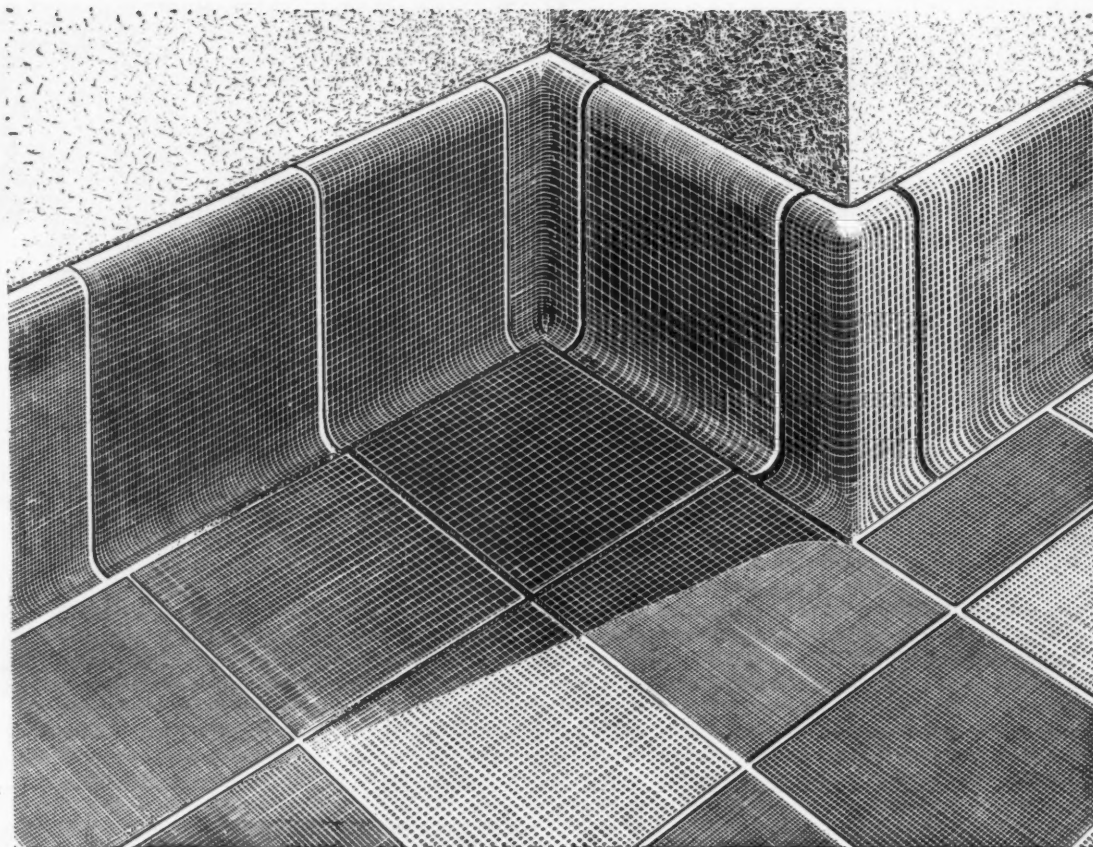
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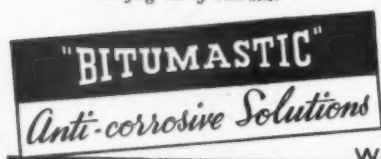
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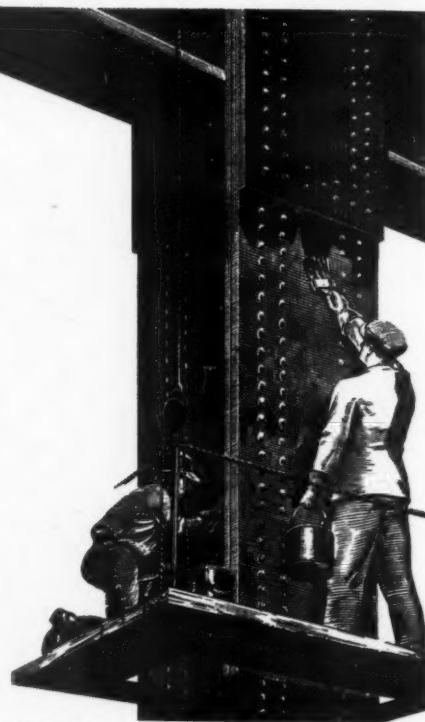
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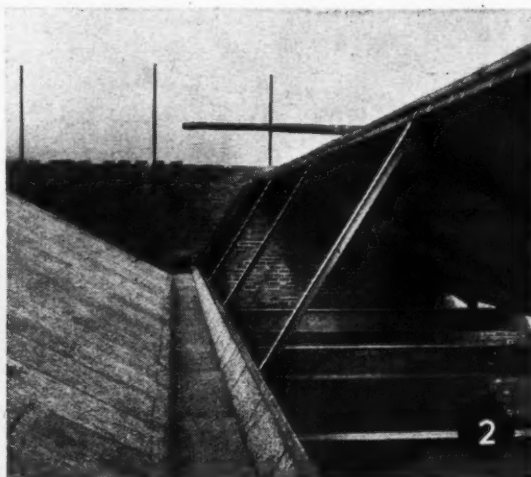
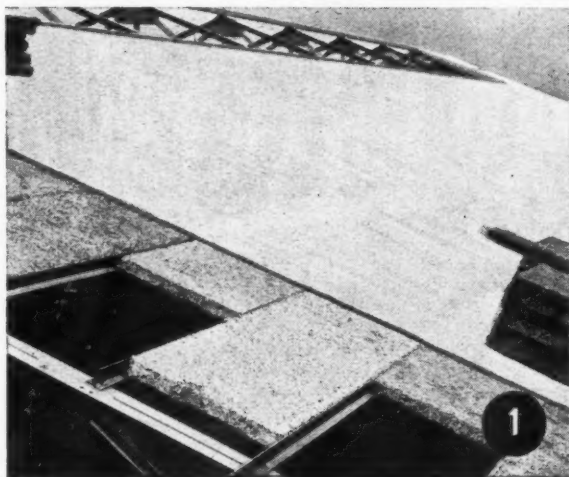
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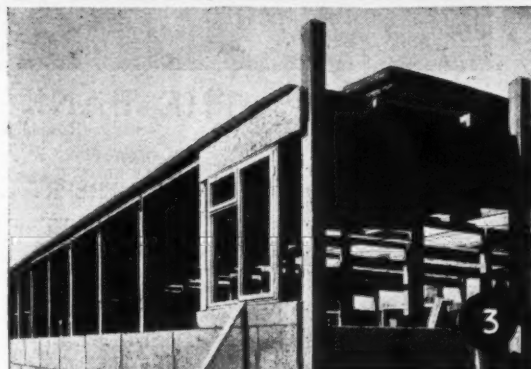
These photographs illustrate the structural adaptability of "Gypklith" light-weight building slabs



THE TOP PHOTOGRAPH shows "GYPKLITH" used on a factory roof, supported between purlins of inverted "T" section. The top surface of the "GYPKLITH" is screeded with "GYPROC" Metropolitan Stucco ready for finishing with bituminous roofing.

THE SECOND PHOTOGRAPH shows another method of factory roof construction in which 3 inch "GYPKLITH" is laid transversely across and clipped to the purlins, and then finished in similar way. The thermal transmittance "U" value of these roof constructions, using 3 inch thick "GYPKLITH", is 0.15.

THE THIRD PHOTOGRAPH shows an exterior view of a building where "GYPKLITH" is used for the roof, partitions and external walls. For the walls, it is bolted to the outside of the reinforced concrete column framework, plastered internally with PARISTONE Gypsum plaster and rendered externally with water repellent cement. For the roof, it is nailed over timber purlins and finished with a $\frac{1}{2}$ inch cement-screed and



built-up bituminous roofing. The free-standing, partitions are plastered on both sides with PARISTONE Gypsum plaster. Thermal transmittance "U" values are: external walls 0.2; partitions 0.19; roof and ceiling structure ("GYPSTELE" suspended ceiling) 0.17. Further particulars of these and other "GYPROC" products and systems will gladly be supplied.

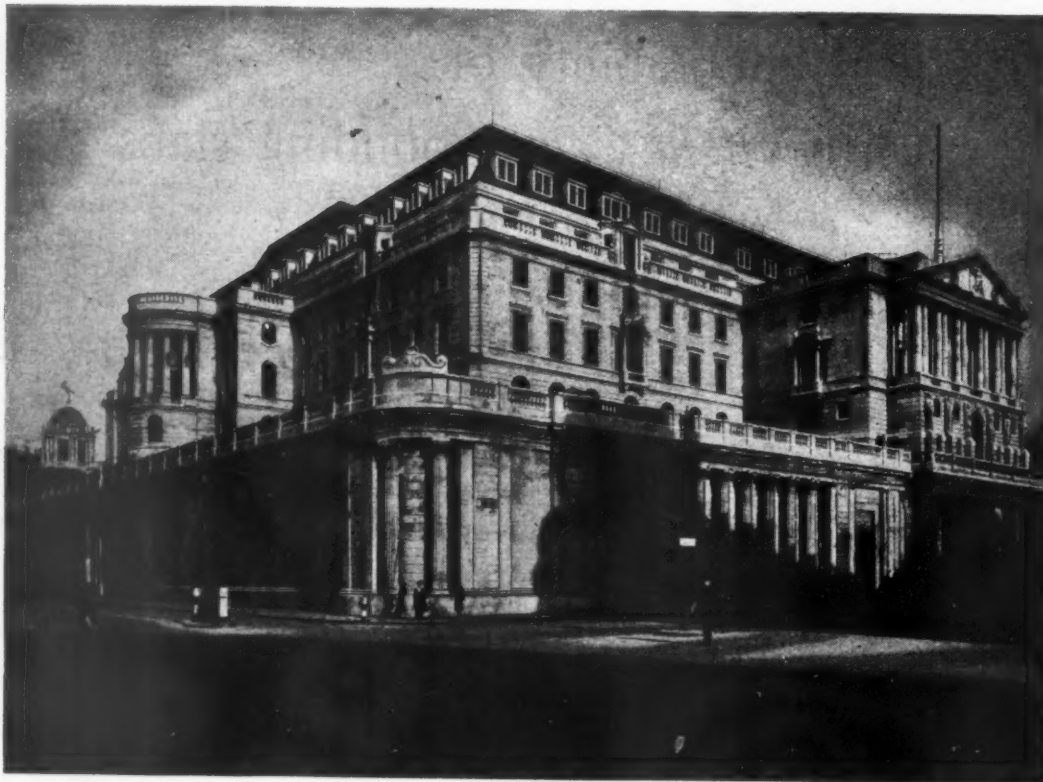
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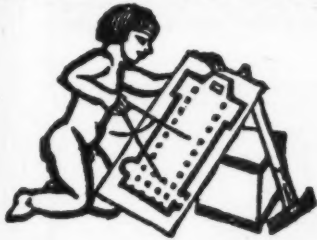
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In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. Subscription rates: by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 17s. 6d. each; carriage 1s. extra.



DIARY FOR AUGUST AND SEPTEMBER

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.

BRADFORD. *Design Week* organized by the Council of Industrial Design. Details to be announced locally. SEPT. 12-17

GLASGOW. *Electrical Appliances Exhibition.* (Permanent.) Electrical Section, Scottish Building Centre, 425 and 427, Sauchiehall Street, Glasgow, C.2.

Scottish Industries Exhibition. Kelvin Hall. (Sponsor, the Scottish Council.) 10 a.m. to 10 p.m. daily, except Sundays. SEPTEMBER 1-17

LONDON. *Background to Design Exhibition.* (Sponsor, CID.) Rayon Design Centre, 1, Upper Grosvenor Street, W.1. Weekdays, except Saturday, 10 a.m. to 4 p.m. Closing date not announced.

Engineering and Marine Exhibition. Olympia. Monday to Saturday, 11 a.m. to 9 p.m. AUGUST 25-SEPT. 10

ST. ANDREWS. *Town and Country Planning Summer School.* At the University of St. Andrews, Fife. (Sponsor, TPL) AUGUST 20-27

TUNBRIDGE WELLS. *Building Week.* (Sponsor, MOW.) SEPT. 19-24

YORK. *Summer School of Architectural History and Measured Drawing.* (Sponsor, York Civic Trust.) Until AUGUST 27.

COMPETITIONS

Festival of Britain Competitions. (1) "Vertical Feature" competition. This will be the dominant vertical element in the exhibition. It may be completely abstract in conception or related to the theme of the exhibition. Height should relate to adjoining buildings. Overall area of site is 40 ft. square, excluding surrounding promenade area which may be used for geying. Steel and timber employed should be restricted to a minimum. Assessors: Presentation Panel of the Festival of Britain. Premiums: First prize, £300; second prize, £150; third prize, £100. Further fees will be payable for preparation of detailed working drawings if prize-winning design is constructed.

(2) Restaurant competition. Qualities looked for will be suitability for purpose, character, originality and inventiveness. It will be in the extreme south corner of the exhibition. Site area: 14,800 ft. super; half of this may be given up to garden. Ingenious use of canvas and similar temporary materials will be an advantage. Assessors:

R. Furneaux Jordan, Mischa Black, Hugh Casson, Mark Hartland Thomas and Ralph Tubbs. Premiums: First prize, £250; second prize, £200; third prize, £150. Further fees will be payable for working drawings if prize-winning design is constructed. Closing date: November 1 for "vertical feature" and November 7 for restaurant. Enquiries to Secretary of Presentation Panel, "Festival of Britain, 1951," 2, Savoy Court, W.C.2, the envelope being marked "Competition."

Competition for Design of Strip Carpet. IAAS competition open to architects and architectural students in the United Kingdom and the Commonwealth. Divided into three sections: hotels, cinemas and theatres and ships. In each section a first prize of 75 guineas and a second prize of 25 guineas will be awarded. Closing date, October 31, 1949. The last day for questions, September 1, 1949. Assessors, Kenneth J. Lindy, E. C. Leach, and Hurley Robinson. Technical Advisers, John Anderson and J. P. Glass. Details from the General Secretary, 75, Eaton Place, Belgrave Square, S.W.1.

Design of Community Centre. The Incorporated Association of Architects and Surveyors. Two prizes, £150 and £75, for Urban Design. Two prizes, £100 and £50, for Rural Design. Open to all architect members of the IAAS, and to any architect, whether principal or assistant, in the United Kingdom, Northern Ireland and Eire. Closing date, February 1, 1950. Applications to General Secretary, 75, Eaton Place, Belgrave Square, S.W.1.



This memorial stone is part of a war memorial at South Crosland, Yorkshire, designed by Mr. C. Hickson. The memorial consists of a triangular site laid out with flowering trees and shrubs, rock gardens and paved paths. The memorial stone is of local stone and the Tudor Rose finish is of copper.

NEWS

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

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

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

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



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ENGLISH CASTLES. [From *Castles from the Air*, by Douglas Simpson (Country Life Ltd.).] The castles of England appeal to every one of us. Their picturesqueness of aspect, whether still occupied or in time-worn ruins; the beautiful scenery amidst which so many of them are found; the striking situations so often chosen for security; the image which they call up to our minds of a society so different from ours; the great historical events of which many of them have been the scene—all these things combine to make our ancient castles a part of our national heritage which is more and more appreciated by the travelling public. In these distressful times it seems probable that facilities for Continental travel will continue to be much restricted, so that more and more of our people will be compelled to extend their acquaintanceship with the glories of our English countryside. At a time when popular interest in our old castles is thus likely to increase, air photography reveals them to us in a new aspect. The whole ordaining of the building, the devising and balance of its masses, the way in which it is fitted to its site, the articulation of masonry, earthwork and water defences, the happy marriage between mansion and gardens, the whole way in which a great house, or a shattered ruin, sits into its surroundings—all these can now be studied from an angle, at once physical and mental, not hitherto available.

A BUILDING MATERIALS CENTRE is to be established at Durban.

The centre, which will be connected with the Department of Building at Natal Technical College, will be a permanent exhibition of all types of building materials, fittings and equipment and it is intended to keep the exhibition up to date by including new products and developments in methods of construction as they become available. The centre will be available for use by master builders, architects, quantity surveyors, students, and the general public of Durban and the Province of Natal. Particulars of available display space (provided free) and further information may be obtained from Mr. J. C. Dickson, head of the Department of Building. He will also be glad to receive catalogues, brochures, pamphlets, samples, models, films, etc.

SLOANE SQUARE Underground Station is to be rebuilt.

The original station, which was built in 1868, was almost completely destroyed by bombs in 1940. Work on the temporary ticket hall and office and the footbridge has been completed, and the clearance of the ruins of the former station has been commenced in readiness for the work of restoration. It is intended that the station shall be completely restored in time for the Festival of Britain in 1951.

★ The CENTRAL LAND BOARDS' FIRST REPORT has been published.

In their first annual report (published by HM Stationery Office, price 4d.) the Central Land Board, set up under the Town and Country Planning Act, 1947, review their work up to the end of March this year. The report sets out the organization of the Board (which is also the WDC) and the arrangements made for claims on the £300 million for loss of development values, and for assessing development charges.

On the subject of private transactions in land for development, the Board say they regard it as vital that developers should not have to pay twice over for development value—once in the price of the land and again in development charge. They, therefore, noted with concern some weeks after the Act came into force, that despite the liability for development charge, land was still being widely offered and taken at prices including the full development value. Later, they say, there was some improvement.

They will continue to watch the position closely.

Where land is deliberately being offered for sale at a price above existing use value, the Board consider whether it would be in the public interest for them to purchase. They report that their policy so far has been to select a certain number of typical cases for compulsory purchase as a warning to owners of land in general.

The report contains statistics of application to the Board to assess development charge and of amounts received in various types of cases.

★ Building Work has begun at the NEW TOWN at HEMEL HEMPSTEAD.

It is estimated that in 18 months' time the rate of progress in the new town will be 600 houses a year. Details of the final plans, which were recently made known, show that provision is to be made for a

new population from London of 42,000, bringing the total to over 60,000. A labour force of 3,000 men will be available, and it is estimated that with a force of this strength it will take 20 years to complete the work.

The first shops and factories will be constructed in 1950. The proposal for 10-storey flats, which was criticized by local people, has been dropped.

About 100 tradesmen and private residents living in the main street of Hemel Hempstead have now received a notice from the Development Corporation of the new town stating that it proposes to purchase their premises by compulsory powers. The property, which is required for the redevelopment of a new town centre, includes the largest cinema in the borough, two builder's yards, a foundry, agricultural machinery works, a dairy, the local Labour Party's headquarters, British Legion Club and Salvation Army Citadel. The development corporation sent letters with the notices pointing out that no tenant would be disturbed for two years, and that 12 months' notice would be served after that.



Dives House Barn, situated about one mile south of the centre of Huddersfield, has been converted into a museum to house a collection of agricultural implements, carriages and rural crafts. The barn had for a long time been a problem to the local corporation which owned it. However, as it was such a fine example of its kind the director of the Tolson Memorial Museum nearby suggested it should be used as an annexe. It was inspected by Mr. Alan Reed for the SPAB. He stated that its general condition was good, and it had a number of interesting features, such as doors with an unusual fastening method. His report was sent to the corporation which has carried out his suggestions for conversion.



Sold after Six Centuries

This mediaeval castle, estate and village of Dunster, Somerset, has been bought from the owner, Mr. Geoffrey F. Luttrell, by the Ashdale Land and Property Co., Pall Mall. The land purchased, which has been owned by the Luttrell family for six centuries, includes Cleeve Abbey and several hundred properties in villages near Minehead. It was sold because the owner could no longer maintain it in view of high taxation, death duties and "the confisca-

tory and hampering provisions of the Town and Country Planning Act." One of the directors of the purchasing company has stated that although every effort will be made to ensure that the property becomes a sound investment, the beauty of the landscape will be preserved. This policy is capable of wide interpretation. It is to be hoped that glass-case preservation, "bijou" development or commercial exploitation will be avoided.

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Weekly LECTURES ON CONCRETE TECHNOLOGY are to be given at the LCC Brixton School of Building.

Nine weekly lectures will be given by Mr. J. Singleton-Green at the school in Fern-dale Road, S.W.4, on Monday evenings at 6.30 p.m., commencing on October 10.

The lectures are intended mainly for those responsible for the direction of concrete work, and admission to the course will generally be restricted to those whose technical qualifications or experience are such as to enable them to contribute to the discussions on the various aspects of the subject. Consideration will be given to the problems of selection and specification of materials, concreting techniques, organization and supervision. Application for admission to the course should be made to the secretary, including the following particulars of age, employers, position, previous study and qualifications.

SOUTHWARK is asking for TWO-STORY HOUSES

Many people in the war-damaged part of Southwark are anxious that the new housing schemes in their area shall include two-storey houses and shall not be wholly in the form of flats. This was pointed out in a letter to the LCC from the TCPA, which urges that a group of 50 cottages should be built in part of Great Dover Street (Deverell Street), an area now under consideration.

NEWS IN BRIEF

The Central Land Board have made two further compulsory purchase orders, one in respect of plots of land in Tilehouse Road and East Shalford Lane, Guildford, extending to a little over three acres, and the other in respect of a factory site of about half an acre in Stanley Street, Cheetham Hill, Manchester.

The National Miners' Welfare Joint Council announce that during the month of July, 1949, new pithead baths installations were completed or begun at Allerton Bywater, Yorkshire, Garesfield "Tilley" Drift, Durham, and Wyllic, Monmouthshire.

The Faculty of Architecture of the British School at Rome have awarded the Rome Scholarship in Architecture for 1949 to Mr. Ian Scott Melville (Student, RIBA), of the School of Architecture, University of Liverpool.

The RIBA Council have decided that in future candidates may submit Final Examination Testimonies of Study provided that they have passed in Subject C, Design, in the RIBA Intermediate Examination. This replaces the existing regulation that candidates may not submit Final Examination Testimonies of Study until they have passed all the subjects of the Intermediate Examination.

Professor E. C. Bullard, Professor of University of Toronto, has been appointed director of the National Physical Laboratory. It is expected that he will take up the appointment in January.

The Lord Mayor of London Alderman Sir George Aylwen, is to be the guest of honour of the Council of the London Master Builders' Association at a luncheon on October 10.

FIFTY-ONE FUSS

ONE of the minor diversions still afforded the newspaper reading public is the game of spotting the "planted story": that daily half-column plug for the paper's own exhibition, contest or ball; that regular if perfunctory salvo aimed at Dr. Dalton or the British Council; that weekly jog-trot upon the editorial hobbyhorse across some featureless plain labelled More News Print, Empire Free Trade, or Precinctual Planning. Summer is the most popular time of year for such activities, for it is a sacred tradition, to which all editors subscribe, that in the holiday season the mind of the public must not be tampered with. It was no surprise, therefore, that the *Evening Standard* chose Bank Holiday week for its three-day assault upon the Festival of Britain 1951. Months of preliminary sniping had prepared the way, and the author of the "investigation" laid about him with such vigour that the reader was forced to stand well back to avoid being cut by flying adjectives. The organizers, we were told, were amateurs, the programme extravagant, the benefits doubtful and the whole project a shameless piece of personal Empire-building on the part of Mr. Herbert Morrison. The pattern of attack was familiar, even to the device of prefixing every executive's name with his salary (a trick which always succeeds in implying, whatever sum is mentioned, that the recipient is overpaid) but some of the shafts of criticism inevitably found their target.

Nobody denies, for instance, that the financial state of the country is grave and that the need for economy is great. It is true also that, to judge by recorded revenue only, practically all large exhibitions are certain to lose money, that the cost of the Festival will run into millions, and that much of this cost will inevitably fall upon the taxpayer. But it is equally true to argue, surely, that it is just *because* the economic situation is so grave and the struggle for world markets so competitive, that an aggressive national promotion policy is necessary. To put Britain on show in the most imaginative way possible (and the Festival plans as published certainly do not lack imagination) is an obvious first step towards recovery. Of course it will cost money, but national events of this kind cannot reasonably be assessed upon a simple profit-and-loss basis. Less tangible assets, such as an increase in the tourist trade, a material help to our export programme and a valuable lift to national prestige and morale must be counted on the credit side. (Remember how production figures leaped upwards at the time of the Royal Wedding). So far as London is concerned, moreover, those physical improvements which will be the legacy of 1951 are long overdue and will be of permanent value to the city.

No doubt the controversy will be continued until long after the flags of fifty-one have been furled and put away, but already there are two lessons to be learned from its opening stages. First, it is to be hoped that the attack upon Mr. Morrison and his colleagues will not call up a counter-attack

by the Labour movement in defence of the Festival. The Festival must be *national*. If it is allowed to become a political battlefield it will be still-born. Secondly, it is clear that the Festival idea as originally conceived has not yet been fully grasped by the nation. To most of us it is still an official show, paid for by somebody else and centrally imposed. The Festival authorities must work hard to replace this misconception. Once again it must be emphasised that 1951 will not only be an occasion for us to celebrate our achievements, but will be a time for reassessment, for standing back and seeing ourselves whole and detached. Only in this way, as Robert Jordan recently reminded us, can we hope to understand the techniques and philosophy of our age. If the Festival succeeds in allowing us to do this, its purpose and cost will have been amply justified.



The Architects' Journal

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

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

CIAM

I am told by an architect who has just come back from there that the CIAM Congress at Bergamo ran true to form, with the informal exchange of views proving perhaps more worthwhile than the formal business round the conference table. This, in my view, is always the way with international congresses, which fully justify their existence if they do nothing but provide an opportunity of cementing contacts between individuals.

*

The location chosen by the Italian group was perfect for this purpose. The big meetings were held in an immense mediæval hall in the Lombardic city of Bergamo, the smaller discussions in a renaissance palace, and separating the two was a cobbled

square with a fountain in the centre, lined with cafés. Round this square the congress revolved, and the cafés, to the great minority of their usual habitués, were a continuous babble of tongues belonging to the fourteen nationalities that took part.

*

There was a strong contingent from Latin America, a disappointingly weak one from Scandinavia, and all the usual celebrities: Le Corbusier, Sert, van Eesteren, Giedion, Helena Syrkus, *et al.* A feature new to CIAM congresses was the presence of many students, who had been invited to take part in the discussions on architectural education. There were also several painters and sculptors, as one of the subjects for discussion was their collaboration with architects. Roland Penrose (one of the founders of the Institute of Contemporary Arts) was there from England, Marino Marini from Italy, and the Japanese, Oaki Noguchi, and James Johnson Sweeney from the U.S.

*

My informant tells me that the highlight of the official business of the congress was the comparison of over twenty town-planning and housing projects on the basis of the "grilles" invented by Le Corbusier. This is an ingenious method of illustrating projects graphically so that they can easily be compared and criticized. When first produced it was greeted with some scepticism, but worked out surprisingly well in practice. The French "Ascoral" group presented Le Corbusier's own Marseilles scheme in this form, and the MARS group

presented Gibberd's design for Harlow and the Tecton-Lusdun-Drake housing project at Paddington.

NO MO' FAUX MOT

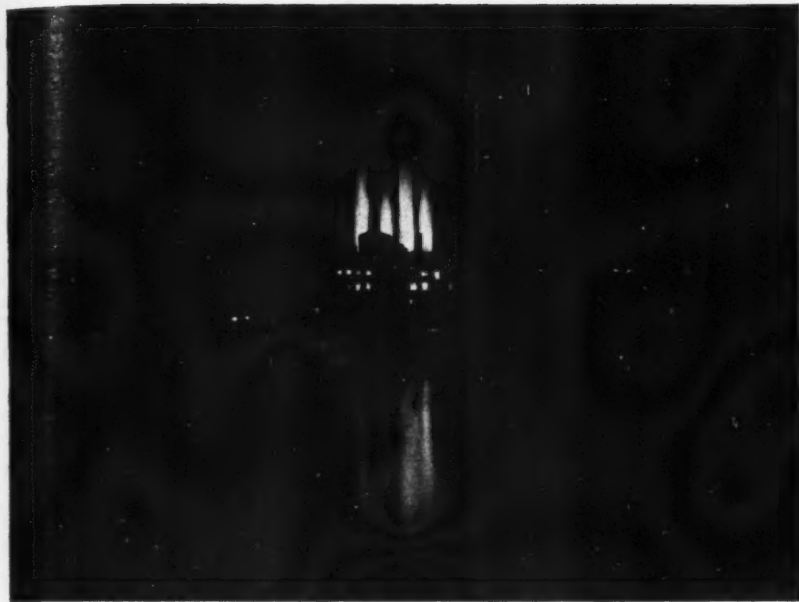
Incidentally, I learn that among the unofficial achievements of Bergamo was the putting on trial and merciless condemnation to death of the word "prefabrication." Upon the suggestion, it is rumoured, of the British delegation the word was officially designed as "faux mot," at least for the duration of the conference, and any use of it ("fomoism") by any person ("fomoist"), whether enthusiast ("fomophil") or opponent ("fomophobe") was punished by a heavy fine. No doubt "fomoism" will now join Shara-waggi and Borax in the international architectural vocabulary available to us. And as for prefabrication (I beg your pardon, I'll write that again)—"industrialisation of building technique," well, it just ain't gonna reign faux mot no mo'.

CONCRETE ADOPTION

"Punch," the bison you see at the bottom of the page is one of a pair at the London Zoo which have just been adopted by Concrete, Ltd., who make Bison floors. On the spur of the moment I can't think of any other animal trade marks in the building industry except beavers and the inevitable bull dog. After this I am sitting back



One of the two bison at the London Zoo which have been adopted by Concrete Ltd., the makers of Bison Floors. See Astragal's comment.



Astragal has just received this photo of Lots Road Power Station as it appeared from the river when floodlit during this year's Chelsea Week. The effect, on this grim, industrial building, compares favourably with the more pretentious power stations which are also visible from the Thames.

to wait for a spate of letters from the infuriated manufacturers I am bound to have forgotten. With a little enterprise we ought to be able to support almost the whole Zoo. Has nobody a unicorn to be kept by the steam-roller people?

WAKING CORRESPONDENTS

The recent custom of the offended party reaching for his solicitor whenever a mildly critical comment appeared in print seems to have greatly disheartened the once ardent band of letter-writers to the press. The sudden, bold, chest-baring antics of the LCC Housing Department caught the writers quite unprepared, and many of their arrows missed by miles.

*

I cannot help congratulating, therefore, Mr. Peter Watkins, who, catching on to this "interchange of critical opinion" business, shot off his little dart against the recently illustrated Poplar flats in a letter on site layout (see last week's JOURNAL). I have been shown the Borough Engineer's straightforward reply, and there the matter rests: everything just as it was, except that at least five people have had to think again on a most important aspect of design.

*

Now you, sir, does nothing spur you to write? Secretaries are easier to get

now, and those new pens, they say, can write for miles.

MODEL MAKERS WANTED

I have had an appeal from the CIAM International Summer School at 7, Bedford Square, W.C.1, for volunteers for model making. The School, as readers of the JOURNAL will be aware, is under the direction of Maxwell Fry, and twenty-eight post-graduate students are now at work. Four problems are being studied, including the National Theatre and replanning of the Elephant and Castle junction. The models will illustrate these schemes, so if any of you have time to spare, and are interested in making models, or would like to meet post-graduate students from other countries, write to Miss Jacqueline Tyrwhitt at the address given above, or just go along. Help is wanted now and until the end of August.

*

Incidentally, several architects of international reputation are going to give talks to the School, including Ernesto Rogers, who will be remembered as the editor until recently of the admirable Italian periodical *Domus*. There will be a symposium on collaboration between the arts with an exhibition of architecture, painting and sculpture, the latter to be held in the garden in the centre of Bedford Square.

COMPETITIONS AT LAST

Among the promised delights of the 1951 Festival of Britain is a series of design competitions. It is rumoured that the urgency of the building programme, together with financial difficulties have prevented some of these hopes being realised, but last week two interesting competitions were announced for the South Bank—a restaurant and a vertical feature. Here are a couple of chances for the young architect to make his name—good subjects, a wonderful site, and lively assessors. There's not much time in which to do this work, so I suggest you get busy at once. The particulars, I am told, are announced elsewhere in this issue.

ASTRAGAL

LETTERS

{ W. J. Rankin, A.M.I.C.E.,
M.I.Mun.E., A.M.T.P.I.

{ H. Anthony Mealand, F.R.I.B.A.,
Dis.T.P., M.T.P.I.

Poplar Flats

SIR,—May I reply to Mr. Watkins's letter which appeared in last week's JOURNAL criticizing the flats at Blair Street, Poplar.

He admits that the flats are well designed, a compliment for which I have to thank him. Surely then there cannot be a dismal aspect if one looks out upon a well designed façade? Moreover, the notes attached to the illustrations indicate that site works are incomplete, and that in the autumn the whole of the site will be planted with turf, flowering trees and shrubs. This is a point which I think Mr. Watkins has not considered.

In conclusion I would add that no planning scheme is ideal but is a general compromise, and such facts as density, site restriction, existing road network and underground services, etc., all have to be carefully considered when physical planning is being drafted.

W. J. RANKIN,

Poplar Borough Engineer and Surveyor.

Town and Country Planning Act

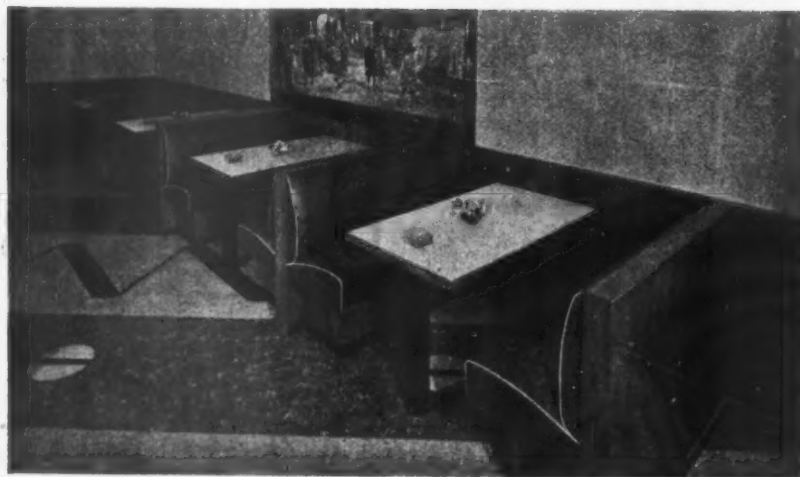
SIR,—As a result of recent experiences, it occurs to me that it is not generally known among members of the architectural, surveying and estate management professions that the Direction made by the Corporation of London under Article 5 of the 1945 Town and Country Planning (General Interim Development) Order is still continued in force by Article 4(5) of the 1948 (General Development) Order, insofar as that Direction relates to war damage repairs.

The effect of this Direction is that where it is proposed to carry out war damage repairs to a building in the City of London exceeding £300 in aggregate cost, planning permission must first be sought.

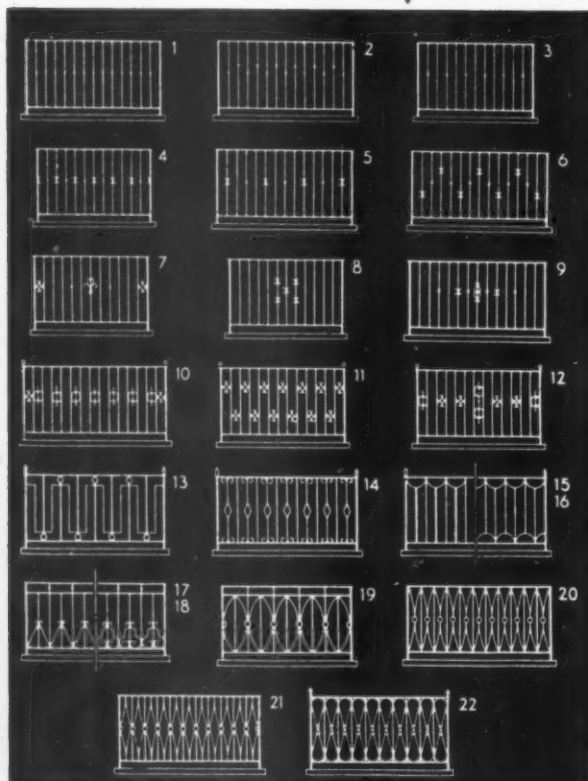
Failure to appreciate this fact has resulted in a number of war damaged buildings being repaired at considerable cost when, in fact,

THE COCK TAVERN, FLEET STREET

The original restaurant was destroyed during the war and the new Buttery, designed by Leonard J. Multon, is the first instalment of the reconditioning of the ground floor of the premises. The bar counter (left) is constructed of 4-in. hollow tiles, faced with plastic. The fixed seating (below) is upholstered in green leather-cloth and the tables have cream plastic tops. The mural is by Norman Mansbridge.



USSR INFORMATION SHEET



These designs for balcony railings, produced by the Department for Art in Industry of the Committee on Architectural Affairs, of the Council of Ministers of the USSR, are intended for use on large-scale housing projects and ancillary communal buildings as well as for public buildings. The 22 variations given here are obtained from 42 designs shown in an album produced by the above Department for Soviet architects. Separate component elements may be assembled on the job and jointing is done by electric or gas welding. If the balcony is carried on steel beams the corner posts and intermediate supports of the railings are welded to them. If the balcony is in reinforced concrete these members are fixed into sockets with metal clips and grouted in with cement mortar. Intermediate supports are spaced at not less than two metres intervals, at equal distances throughout or symmetrically about a central axis.

had planning permission first been sought, such permission would have been refused on the grounds that the sites of the buildings were required for the proper re-development of the area in which they were situated. In such cases, when planning permission has been subsequently sought to retain the works, the Corporation has found it necessary, in the public interest, either to refuse consent, or to limit the period consent, either course resulting in financial loss both to the developers and to the Corporation.

In these circumstances you may feel that it would be desirable to draw the attention of your readers to these facts, and so assist in preventing future abortive expenditure and loss of public funds.

H. ANTHONY MEALAND
City Planning Officer,
London

Architecture and Culture

The following is an extract from a communication addressed to the recent CIAM Congress held at Bergamo by Bruno Zevi, an Italian architect.

We are most happy that the work of the CIAM has begun again, but we must not hide from ourselves the fact that modern architecture has lost a major battle in this post-war period partly because the world's most active and intelligent architects have not succeeded in organizing a practical and productive body within the framework of international organs. The city-planning and building centre of UNESCO doesn't have the power and the prestige it could have had, partly for reasons for which we are not responsible, but also because we architects of today have not yet learned how to co-operate together on the political scene. We limit ourselves to working individually and to coming together in congresses which are profitable culturally but of little use for broad social achievements. As far as the problem of representation in the CIAM is concerned, the mass of the architects from the United States are still absent.

This must not be considered as a criticism of the CIAM. It was created for other purposes and perhaps cannot change them. But the organizational problem which is so urgent in this post-war period remains an unsolved one with which we must come to grips here in this Congress or elsewhere.

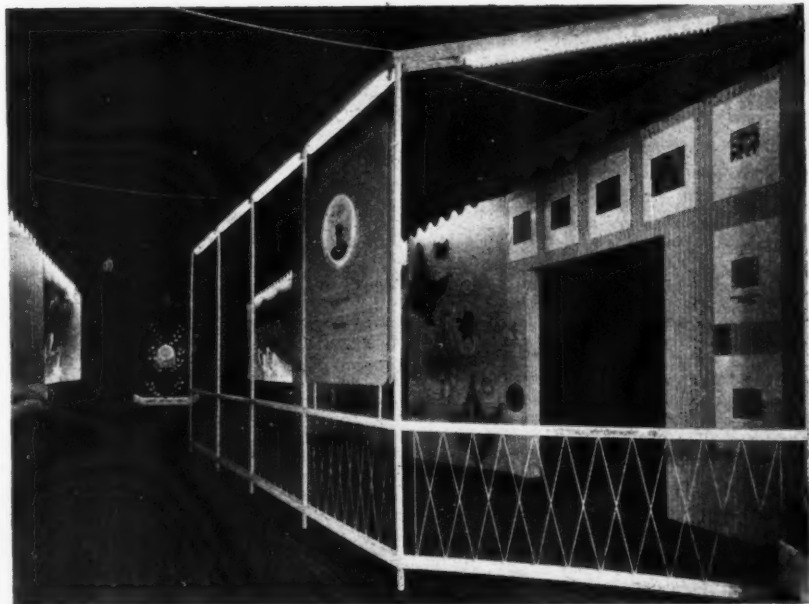
The recognition of the practical limits of the CIAM bears with it the necessity of deepening its cultural substance. It is here that we come to the heart of the matter. Can these Congresses organized by the CIAM accomplish today achievements of importance equal to those brought about by the first Congresses? If these Congresses cannot have a deep politico-social influence, can they at least attain a worthy cultural level?

These questions may seem abstract. But history teaches that every organization, every movement, is bound to its origins and can evolve out of them only with great difficulty. Every movement has its leading class, its mentality, its tactics. Theoretically all can be changed—and in this case it would not be desirable—but not in historical reality, except if one wants it very deeply. The CIAM, in the general feeling of modern architects, is bound to the architectural mentality of Le Corbusier, Walter Gropius, and generally with that period known as the rationalistic one. It is bound to the historical perspectives and interpretations of Siegfried Giedion. These three personalities are most important and determinant figures today, so much so that there is not foreseeable any lessening of their influence, which perhaps would facilitate the development of a more appropriate and comprehensive culture.



NEW DESIGNS FOR LIBERTY'S SHOP

For the first time Liberty's shop has broken away from the pseudo-Tudor style in which the main building is designed. Hulme Chadwick was commissioned to design, in a contemporary manner, an exhibition of hand block printing on silk and a permanent showroom for women's clothes. On this page are two photographs of the silk printing exhibition. Above, a view looking towards the exit, with, on the right, two of the three tables on which the silk is printed. At the far end is a booth for selling completed goods. The ceiling consists of a navy blue velarium divided by white cord. The striped fabrics behind the tables are coloured lime green and cream, wine and cream, and lime and cream alternately. Right, the entrance to the exhibition, showing designs and fabrics against a french-blue background. (Continued overleaf)

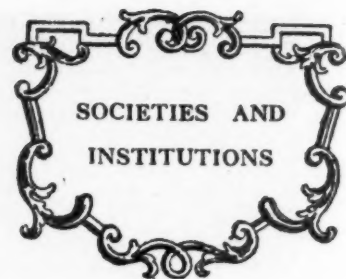




NEW DESIGNS FOR LIBERTY'S SHOP

(Continued)

The new showroom for women's clothes, designed by Hulme Chadwick, consists of a hundred foot long gallery with a display area, right, on one side lit by lights concealed under a false ceiling. The beams and pilasters are painted a pale lemon yellow, the walls between being covered with a grey and white striped wall-paper. The opposite side of the gallery, above, consists of wall cupboards and display areas framed in Cuban mahogany with anodised aluminium strips round the edge. The walls are cellulosed grey. The mirrors are pivoted so that excess reflecting surfaces can be avoided. Top, the ante-room, between the showroom and the dressing room cubicles. The ceiling is of fibrous plaster, the wall cupboards are of sepele mahogany. The table is of Cuban mahogany with a light veneer of avodire.



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.

CID

Dennis Chapman

July 19. Paper on FAMILIES, THEIR NEEDS AND PREFERENCES IN THE HOME, written by Dennis Chapman and read by Rosemary Frost to members of Furniture Design Conference at RIBA, Portland Place, W.1.

Dennis Chapman: The furnishing of the home takes place in different stages largely dependent upon the social and economic level of the new family, and money and accommodation are the controlling factors. The poorest newly established family in an industrial area will be furnishing only a single room in a divided house with mainly second-hand furniture of the simplest kind, a bed, a table and chairs.

The main bulk of the working and lower middle class families will, however, be furnishing three or four rooms, occasionally more, almost entirely with new furniture purchased at about the time of the marriage.

The higher income groups are, of course, able to furnish their whole house throughout before the marriage.

The evidence that we have concerns the middle group—the bulk of the working class and middle class families who are able to furnish three or four rooms either by paying cash or by hire purchase. The most striking feature of the furnishing process appears to be the fact that furniture is bought, not item by item with a specific function in mind, but as a group for a room, or even for the home concerned as an entire unit. The architect and designer spends much more of his time considering the individual unit, whereas the young bride is picturing the whole.

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Depending upon their accommodation and resources most of the families in these groups furnish according to a simple pattern. Upon the bedroom is spent one-third to half of their total resources; on the dining-room rather less than one-third of their resources; on the kitchen one-eighth to one-twentieth. Where they are able to furnish a sitting room, lounge or parlour, this will have about as much spent on it as the dining room. They will, as a rule, when furnishing the room buy a complete suite, not because they have thought out its function or related the storage accommodation thus provided to what is already in their new home, but because it is socially acceptable and gives them a feeling of having conformed to the approved pattern.

The first and most obvious consideration is to create a home in the emotional rather than the functional sense. The bedroom is the room upon which most money is spent and most care and interest lavished in the furnishing process. The next in order of interest and expenditure is a place to eat in, the dining room. The social status needs of the family are met by the purchase of carpets, suites, fire-places and the piano. The piano, which was formerly the principal prestige object, still has importance but the difficulty of obtaining modern pianos has led to its supplanting by the tiled fire-place which has an important function as the centre of the life of the family group.

It appears that aesthetic considerations play an important part in the choice of furniture. The broad middle group of the population prefer plain furniture of simple design and light woods with plain pastel shades in carpets and soft furnishings. The lower income groups prefer bright colours, more polished metal and patterns on carpets, linoleum and curtains. This group also prefers leather cloth upholstery to woven fabrics as they do not soil so easily. In the higher income groups customers seem to prefer antique or reproduction furniture or other furniture produced in the pompous manner. Another notable point is that many of the women who are buying furniture not only choose in relation to colour and design but they are conscious of the use of light and space in the decoration of their rooms and avoid the crowding which was common in their parents' homes.

FUNCTION OF FURNITURE

There appears to be little detailed knowledge of function. It is rare for anyone purchasing furniture to inquire the depth of a wardrobe or the depth of a drawer, or to relate the furniture in detail to its part in the life of the family. The old prejudice against furniture that is light in weight has passed, but there appears to be little knowledge of methods of construction, types of finish or materials. If drawers run easily and doors fit this is, as a rule, all that is inquired into. The materials which are known about are light and dark oak (in practice for both salesman and customer any pale hard wood from horse chestnut to birch), walnut (as a rule again, walnut veneer with any hard wood rails is accepted), and mahogany (a general term applied to any wood of a pink or brown colour from Obeche to the true mahoganies of the West Indies and Central America).

It is apparent that the home is the product, to some extent, of the "romantic illusion" which has become important in our social life, the product of emotional insecurity and tension, of the American romantic film and song. The desire to conform to a social pattern is also apparent. Aesthetically there is an important improvement in taste as well as the revolt from the tastes of a previous generation. Interest in function is hardly developed, judged from the small expenditure on the kitchen.

Two important social aspects emerge; the first is that at this stage the home is not thought of as a place where there will be children. The second point is that the

home is thought of almost exclusively in terms of husband and wife and not as a place where other people will come and be entertained; thus the sitting room is always, or almost always, the last room to be considered. It now remains to examine the furnishing of homes which have been established for some time to see how social influences on the developing family affect its equipment.

The establishment of the home which has so far been described has taken place in most new families under the influence of ideas of romantic affection rather than the rational appreciation of the functional requirements of family living. The home now develops continuously in response to the emotional and social needs of the family within itself and in relation to the community as a whole. This development often extends not only over the house itself, its furnishing, equipment and decoration, but extends outside the house into the garden and the allotment, and frequently the construction of auxiliary accommodation, in particular the workshop or garden shed.

SOCIAL REQUIREMENTS

Among others we may distinguish the following needs: the development of new emotional needs within the family group; the development of separate interests in husband and wife; the need for privacy as well as for companionship; the needs of infants and children; the needs arising out of wider social relationships; relationships of friends, neighbours, and official and business visitors; the requirements imposed on the family by patterns of social status; possessions as a source of prestige; the functional needs of the family. The development of the wife's aesthetic interests; and the arrangement and decoration of the home as the major interest.

In most cases the family will not have furnished more than the essential three rooms—bedroom, dining room and kitchen—and even where they have bought sitting room furniture this room will not be fully furnished. At first the newly-married couple will be fully absorbed in each other and in the process of mutual adjustment. They will not, as a rule, need wider interests. As the family matures, however, the wife, in most cases, will find a lack of interest and there will be occasional domestic strife and strain. Some of this will arise out of directly emotional experience; some may develop out of the more mundane differences of interest, or even out of the problems of adjusting a limited income to an unreal anticipation. In a pilot study of the use of the parlour in a small number (51) of working class families it was found that about half of the wives used the parlour or sitting room as a place to which they could retreat for privacy at times when differences with their husbands had given rise to tension or strife. Thus the equipment or furnishing has its importance in the early period of adjustment. The bedroom is not generally used as a retreat on these occasions in that its furnishing and equipment are associated with the romantic side of the relationship. The husband's need for privacy is more frequently met by retreat to the garden or workshop, where the possibility of the discharge of emotion by physical effort and manipulation is more possible. The tears of the housewife, however, require privacy and quiet. The equipment of the sitting room or parlour is a process full of emotional association. While its furnishing may be largely associated with status and prestige, and, to some extent, have a utilitarian basis, many of its contents are possessions which have a symbolic or ritual value. Some of these possessions, occasional furniture, vases, ornaments, even cutlery, will be wedding gifts associated with the most important ceremonial of the family's life. There will also be vases and ornaments which are commemorative purchases made on the honeymoon or other holidays. These ornaments are often diffi-

cult to appreciate aesthetically or from the point of view of utility, and there is an obvious field of anthropological investigation here awaiting study.

The housing of objects of symbolic interest, or whose main value has associations with the memory of some important event, suggests that the parlour has a function as a shrine or holy place. In some cases this is, of course, literally true—in the Liverpool area Catholic families have established a small shrine to the Virgin Mary in an appropriate corner of the parlour. Perhaps the most obvious way in which the parlour acquires this special quality is where it is a place for the exhibition of photographs. In our study we found that almost invariably there were a number of photographs of important ceremonial occasions like weddings, of persons who were dead or absent, or persons who had changed through age. In 51 parlours visited there were some 60 photos of relations. Parents and children were the persons most frequently represented in this group. Without wishing to suggest that there is a form of ancestor worship here, it is important in the emotional life of the family that there should be a place put specially apart for pictures of such importance. The photographs were further divided into those of persons absent from the home, or dead, and those now living in the home. Of the persons absent, children who have grown up and left the home were those most often found, and in the group of photographs of those living in the home, photographs of the husband and wife at the time of their marriage and infant children now grown up were the most frequent. In passing it may also be mentioned that the parlour may, especially in older families, be used as a place where the dead have lain in state.

CHILDREN IN THE HOME

The place of the child in the home differs considerably in different social groups. However, in the group of families with which we are mainly concerned we can distinguish broadly two groups. Both cater for the baby in the first two years of his life with cot, pram and chair, but one group ends its interest in special provisions at about this age. The other group, which is generally more aware of a variety of social and cultural interests, think of the child as having separate needs throughout much of its life. These are the families who, even in a small council house, provide the child with a separate room and play space, and who purchase or make themselves the necessary furnishings for the child's comfort and convenience. This group is in a minority. Speaking generally, however, when the baby has out-grown the period of complete dependence on the mother it has to adapt itself as best it can to adult furnishings and to live and play in a room designed mainly around adult functions. As will be discussed later, the home is the major aesthetic interest for the wife and even for the husband; thus there is frequent conflict between the parent and the child over dirt and damage to linoleum, carpets and polished furniture. It would be difficult to overstress the importance of this situation. The child is not catered for by the designer of the dwelling or the designer and manufacturer of furniture, and only in a minority of cases by the parents. Many of the child's important developing interests bring him into violent emotional conflicts with his parents because they do not understand his needs and there has been no provision made for him.

An example of the way in which we treat our children in the home might be improved is given by a study of children's homework made on Merseyside. This enquiry was made before the new Education Act had made secondary education universal, and it therefore refers in the main to the upper working class and middle class families. In this enquiry it was found that

in summer one out of five, and in winter two out of five, did their homework in conditions that could have been improved; that is to say, they had to work in noisy and crowded conditions. It was found that only a minority, about one-third, of them had a suitable room furnished and equipped where they could study. This proportion of one-third should be compared with the proportion of those who had a room in their homes in which they could have worked if their parents furnished it and provided heating. This was more than eight out of ten.

The newly-established family rapidly becomes aware of the need to provide for its relationships with the kinship groups of both husband and wife; with neighbours, friends, and other visitors. If we consider first the relationship with the official community we find that the family is regularly visited by the health visitor, the doctor, the representative of the gas, electricity and water undertakings, and, in many cases, the rent collector or housing manager. They will also be visited by salesmen, insurance agents, and tradesmen. According to the family's appraisal of the social status of the person, they may be received at the front door or at the back door, or they may be admitted to the house. If they are admitted, they may be received in the hall, in the parlour, the living room or the kitchen, again depending on their social status and the degree of familiarity. The parlour has a function of considerable importance in the family relations with the outside world in that it is a room which has occasional rather than regular use and it can be maintained in a clean and tidy state. It thus has the quality of a neutral zone, or an area of defence in depth, where the official and the stranger may be met, where he may be given a favourable picture of the family, its status, equipment and organization, and where the secrets of the household are not revealed. The parlour is likewise a place where celebrations of many kinds are held, particularly those which have an element of formality about them, like social evenings with friends and neighbours. The more extensive social occasions, like Christmas parties and birthday parties, may be spread over the whole house, particularly if the occasion is a feast.

SOCIAL STATUS

Organizations that make market research studies have long been aware of the possibility of estimating socio-economic status from material possessions, and thus they have called attention to the fact that in every social group there are certain items of equipment, or certain possessions, which are essential to the family if it is to maintain its prestige amongst its friends and neighbours. In America these phenomena have been studied as the basis of a rating scale to measure social status. This scale has been based on the material equipment and the cultural expression of the living room of the home, and the relevance of this scale to this discussion may be appreciated from the fact that a hardwood floor gives a high score, whereas a softwood floor gives a low score. A high score is obtained for a library table, for a personal social desk, for book-cases, and for a piano bench. It must be noted that a piano bench is not a piano stool; an article of furniture which would accommodate only one person at a time in front of the piano confers no additional status. On the other side of the scale, the presence of a sewing machine in the main living room would lose points for the family.

No comparable study of British homes has been made, but the observations that have accompanied enquiries into problems of the home have led us to believe that the three-piece bedroom suite, with bedstead to match and carpet for the principal bedroom, is an important requirement for the prestige of the family, and that the furnishing of the parlour must also be considered primarily

from the point of view of social status rather than that of function. We were able to make a complete inventory of the contents of a random sample of 51 parlours in a working class housing estate, and in this there were 45 three-piece suites, 33 pianos, 30 carpets, 40 occasional tables, and 8 china cabinets, and, a factor which makes an interesting comparison with the American scale, only one sewing machine. Although function enters into the decision to purchase three-piece suites, pianos and occasional tables, and carpets, social status is, without doubt, the main consideration. If this discussion of the requirements of social status is studied with all the other social requirements of the home, it is quite easy to understand the concentration of interest on the decorative and status-giving aspects of the parlour at the expense of the functional requirements of the home as a whole.

THE FAMILY'S NEEDS

The functional needs of the family are for those articles of furniture and equipment which are required for the efficient performance of food preparing, washing and eating, and for comfort in sitting and sleeping. In choosing furniture, these needs are rarely considered, attention being concentrated on appearance. The proportion of the total expenditure which is devoted to the kitchen shows the basic attitude of the housewife to functional requirements. The discussion of the functional needs by architects and experts in domestic science take as a starting point the idea that housework is an evil. This may be true in some cases, but many housewives would not agree. Where families are small or grown-up and the housewife has lost many of her outside interests, the performance of a highly organized sequence of household duties in a manner which in most cases is very irrational, gives both physical and mental satisfaction. However, in many families the housewife discovers that the routine tasks considerably limit her capacity for social, intellectual and recreational pursuits, and she begins to organize her activities on a rational basis and to seek the assistance of the provider of domestic appliances.

Unfortunately she is unable to get much advice as to how best to spend her money in order to effect the greatest economies in time and effort, so that the purchase of functional equipment becomes subsidiary to issues of social status. Thus we find lower middle class families who purchase a refrigerator as the first item, although its first cost can hardly be justified in terms of function except for a very small minority of cases of the population. There are, however, a minority of the working class and middle class groups whose homes are organized consciously around the functional needs of the family. Their practice is modified to meet the emotional needs of the family, and for this reason has an advantage to the total health of the family over the time and motion study products of the architect and the designer.

The development of the aesthetic interests of the housewife is a matter which has not been studied by the social scientist or the designer in the way which would allow a successful policy of domestic education to be worked out, although much has been done, particularly by women's magazines. The arrangement of furniture, ornaments, pictures, window-draping and domestic equipment against a background of walls and wallpaper or structural details of the home, and the planned manipulation of lighting is a most important folk-art in our culture. Interest in the home as a field of aesthetic interest grows up alongside of the romantic interest centred around the bedroom, and it may even become the main interest of the housewife as her children grow up and leave the family home. Thus, the home becomes a series of three-dimensional or two-dimensional decorative set pieces, and interest in the decoration may even come to dominate the home.

The consideration of the emotional relationships within the family raises an important issue of policy. The numerous public bodies that have studied working class housing, particularly the sub-committee of the Design of Dwellings of the Central Housing Advisory Committee in its report, have stressed the importance of simple functional design in order to minimize housework and to reduce the expenditure of poor families on furniture. This is generally to be approved of, but in one important respect it conflicts with another requirement which is of greater importance. The building of storage accommodation into the main bedroom occupies space and makes the wardrobe, tallboy, and much of the dressing-table unnecessary. The rational family accepts the situation and provides in its bedroom little more than a mirror and a bed. These families are exceptional. The irrational family put the three-piece suite in, in spite of the fact that cupboards and drawers have been provided.

It is unlikely that with the present-day development of the arts, the film, drama, radio and popular fiction we shall replace the present romantic approach to the relationships between the sexes by something more rational. It is necessary, therefore, to accept the situation and to see how far the designer can contribute to the romantic element in order to strengthen the relationship within marriage—about one marriage in six breaks down at the present time. If, therefore, the designer will accept the fact that the family wishes to spend the greater proportion of its resources on the bedroom, he should concentrate on creating magnificent furniture which will symbolize the element of fantasy in the emotional relationship between the husband and wife. He should recognize that affection is something to be valued and encouraged and that the function of furniture in this situation is not to provide an occasion for the appreciation of the relations between rectangles of different sizes in different planes, or even the qualities of uninterrupted surfaces.

THE NEGLECTED KITCHEN

The architect can take consolation from the same evidence. As the bedroom is the centre of interest at the time of marriage, so the kitchen is correspondingly neglected, and it is perhaps the function of the architect to concentrate here, as the Dudley Report suggests, and to provide the essential working surfaces and storage places that would otherwise either never be provided or merely improvised. The study of the emotional relationships within the family should make us more tolerant of the parlour, its ritual, and its symbolic equipment, but in that much of this conflicts with other aspects of living, it should be a part of the policy of education to reduce these elements in furnishing.

To influence the family who will live in a council house or small private house, the CID must show well-designed furniture in the complete setting of the small room, as was done in the "Britain Can Make It" exhibition. Perhaps it would be best to approach these families through the sort of publications that they regularly read, the inexpensive women's magazines. Two groups appear to be most in need of guidance—the poorer working class, who are least able to avoid the shoddy and ill-designed products of the unscrupulous manufacturers and retailers, and the upper middle classes whose social ambitions prevent them from developing an appreciation of design. It is important that education for family living should be part of the normal experience of adolescents of both sexes; it should treat the social, the emotional, the aesthetic and the functional elements in domestic life so that these complex inter-related matters will not be left to chance, intuition and a debased tradition.



From the north.

CANTEEN TRAINING CENTRE FOR LONDON TRANSPORT EXECUTIVE

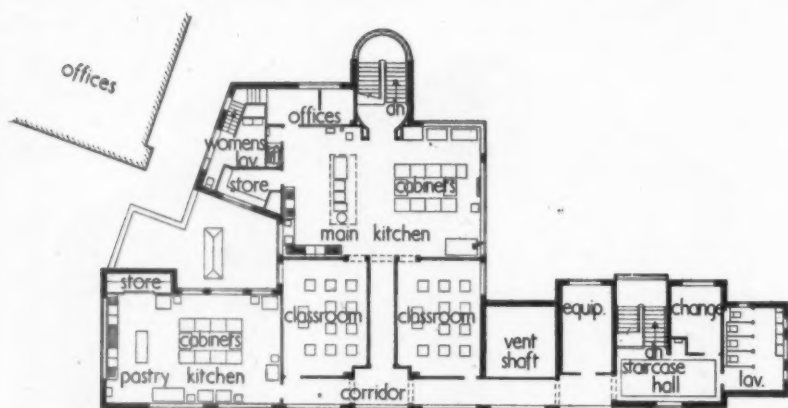
BY THOMAS BILBOW, ARCHITECT TO THE EXECUTIVE
C. S. BOUGHTON, PRINCIPAL ASSISTANT ARCHITECT

Sculpture by Edward Bainbridge-Copnall.

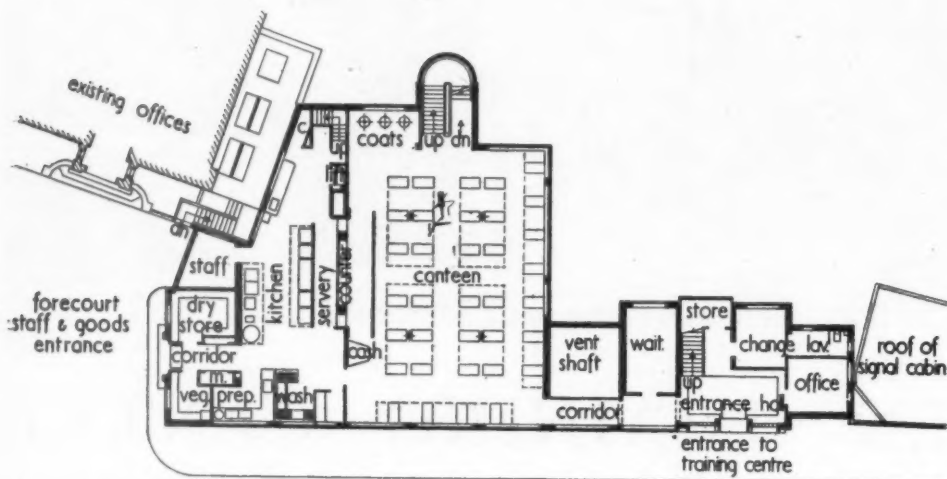


GENERAL.—This training centre for canteen staff was opened last month by London Transport on a site next to Baker Street Station. It is believed to be the first centre of its kind run by an industrial organization. The Baker Street site was chosen both for its central position and because it is close to an important interchange station where a staff canteen is needed. This canteen has been incorporated in the scheme. The sculptured panel in Portland stone over the entrance to the Centre was executed by Edward Bainbridge-Copnall.

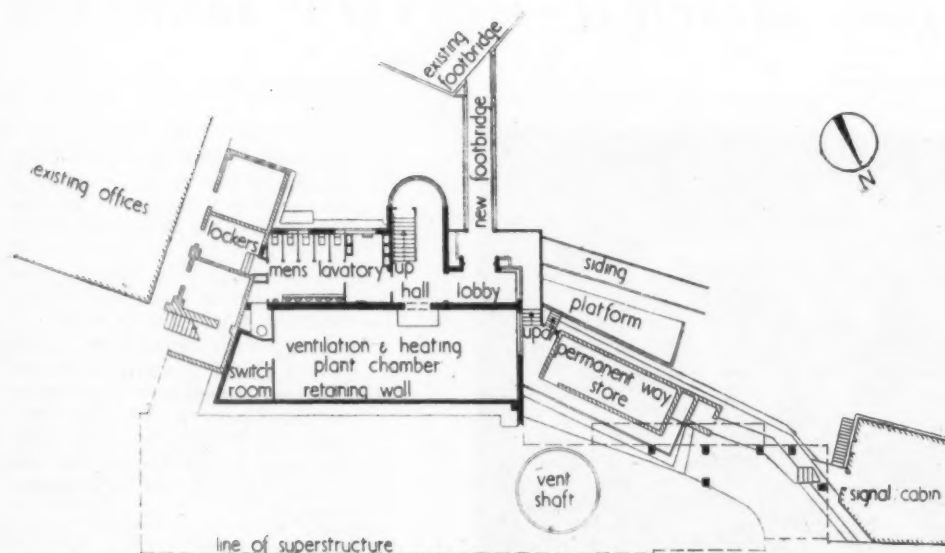
PLAN.—The centre occupies the entire first floor of the new building. It is in two main divisions: the general demonstration kitchen, and the pastry demonstration



FIRST FLOOR PLAN



GROUND FLOOR PLAN



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

*The canteen.*

kitchen, each with an adjoining classroom, enabling both theoretical and practical training to be given. Folding doors between the classrooms and the intersecting corridor can be opened to enable the classrooms to be used as a single unit if required. The general kitchen is fitted with the standard equipment of the London Transport canteens. A display

room has been provided with specimens of all other types still in use, so that students will be familiar with all types of equipment likely to be met when they have passed out and are allocated to canteens.

Instructors' offices, a changing room, lavatories and a waiting room for staff attending interviews have been provided adjacent to the

entrance in Allsop Place. The service entrance for staff and for the delivery of food in bulk is in the forecourt of the Baker Street offices, an electric hoist being provided for conveying goods to the training centre on the first floor. The new canteen, which seats 158 people, occupies most of the ground floor of the building and is entered at basement level from a foot-

Below, the main staircase. Right, the inter-communicating classrooms.





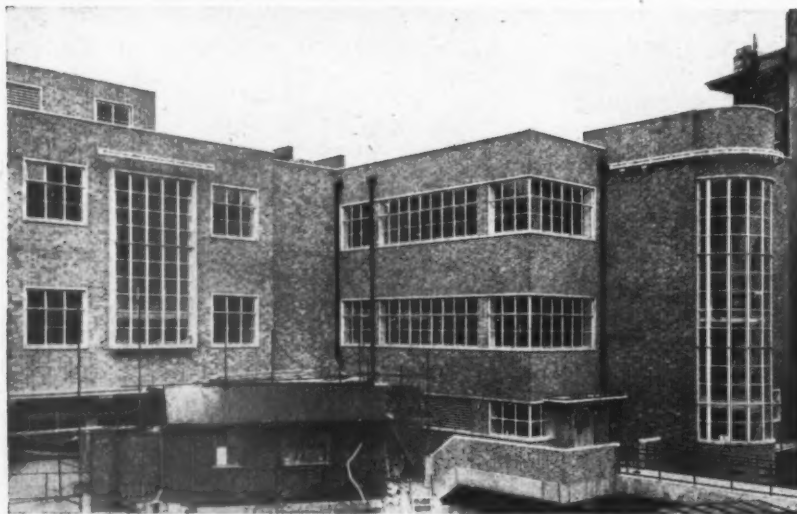
bridge over the Metropolitan line tracks. Next to it are the steward's office, kitchen staff room, and dry and cold store rooms. The canteen has a steam-heated service counter, designed for service on cafeteria lines, with food on sale displayed behind glass.

CONSTRUCTION.—The site of the building slopes down to a retaining wall beside the Metropolitan line. It is of an awkward shape, and caused many problems of construction. The advantages of its locality were, however, considered to outweigh the drawbacks of the expensive foundations and other constructional work involved. The building is steel framed throughout. Additional floor space has been secured by cantilevering part of the rear of the building over the railway, and provision has been made for another storey to be added should this become necessary in the future.

SERVICES.—Heating is provided throughout by radiant panels in the ceilings. Water, heated by steam from a neighbouring boiler house, is pumped through pipes embedded in the 1½-in. thick plaster ceilings. The ventilation plant is situated in the basement, with two small additional ventilation chambers at roof level. A total of 10,000 cu. ft. of fresh air is supplied every minute. Lighting throughout the building is fluorescent, with half the number of tubes "warm white" and the other half "natural."

INTERNAL FINISHES.—The kitchen floors are laid with buff terrazzo, and the canteen dining room with a pattern of two shades of green terrazzo. The classrooms and the corridors are covered with linoleum in buff squares with black borders. The staircase walls are finished in green terrazzo and the canteen walls in eggshell tiling. The walls of the three kitchens are finished in cream glazed tiling with a yellow capping.

The general contractors were Charles Booth & Son. For list of sub-contractors see page 186.



Top, the window lighting the main staircase. Above it is the permanent runway from which window cleaning gear can be slung. Left, from the west.

CANTEEN TRAINING CENTRE FOR LTE

DESIGN DATA | TRANSPORT | PRIVATE CARS

The Architects' Journal Library of Information Sheets 197. Editor: Cotterell Butler, A.R.I.B.A.

4.E1

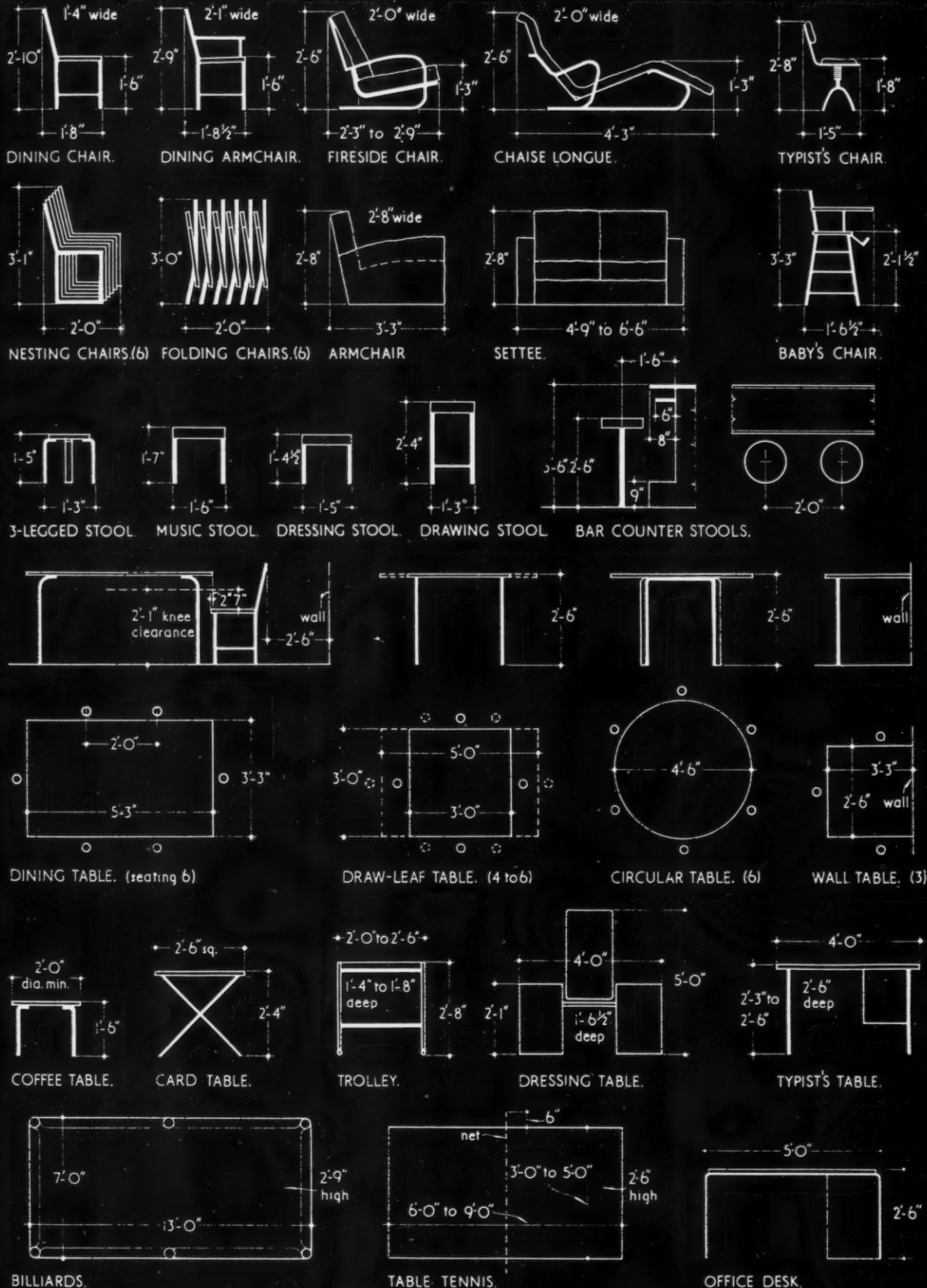
PRIVATE CARS : TURNING CIRCLES AND DIMENSIONS

All dimensions given in this selected list are in feet to the nearest six inches above the manufacturer's size. Space has been allowed at the end of this Sheet for the insertion of later models.

Make and Model	Turning Circle Dia. (ft.)	Length (ft.)	Width (ft.)	Height (ft.)
A.C.				
2-litre saloon ..	38	15.5	6	5.5
Allard				
91K 2-seater ..	39	14	6	5.5
91L 4-seater tourer ..	41	15.5	6	5.5
91M coupé ..	41	15.5	6	5.5
91P saloon ..	41	16	6	5.5
Alvis				
The fourteen saloon	39.5	14.5	5.5	5.5
„ „ coupé	39.5	14.5	5.5	5.5
„ „ sports	39.5	14.5	5.5	4.5
Armstrong Siddeley				
Hurricane coupé	37	15.5	6	5.5
Typhoon sports	37	15.5	6	5.5
saloon	37	16	6	5.5
Lancaster saloon	37	16	6	5.5
Aston Martin				
2/3 seater coupé ..	35	14.5	5.5	5
Spa sports ..	32	13.5	—	—
Austin				
Devon saloon ..	38	13	5.5	5.5
Sixteen saloon ..	42	14.5	6	5.5
Hampshire saloon	39	14	6	5.5
Atlantic convertible	39	15	6	5
Sheerline saloon ..	43	16	6.5	6
Princess saloon ..	43	16.5	6.5	5.5
Bentley				
Mk VI saloon ..	41	16	6	5.5
Bristol				
400 saloon ..	37.5	15.5	5.5	5
401 saloon ..	37.5	16	6	5
402 convertible ..	37.5	16	6	5
Daimler				
2½ litre saloon ..	41	15	5.5	5.5
27-h.p. chassis ..	50	18	—	—
36-h.p. chassis ..	50	18.5	—	—
Special sports 2½-litre coupé ..	41	16	5.5	5.5
Ford				
Anglia saloon ..	35	13	5	5.5
Prefect saloon ..	36.5	13.5	5	5.5
V8 Pilot saloon ..	—	15	6	5.5
Hillman				
Minx saloon ..	33	13.5	5.5	5
„ convertible	33	13.5	5.5	5
coupe ..	33	13.5	5.5	5
Estate car ..	33	14	5.5	5.5
Humber				
Hawk saloon ..	37	14.5	6	5.5
Super Snipe saloon	40.5	16	6.5	5.5
Pullman limousine	48	18	6.5	6
Jaguar				
Mk. V 3½-litre saloon and coupé	37	16	6	5.5
Mk. V 2½-litre saloon and coupé	37	16	6	5.5
XK. 120 2-seater sports ..	32	14.5	5.5	4.5
XK. 100 2-seater sports ..	32	14.5	5.5	4.5
Jensen				
4-litre saloon ..	32	16.5	6	5.5
„ coupé ..	32	16.5	6	5.5
Jowett				
Javelin P.A. saloon	35	14	5.5	5.5
Lagonda				
Coupé ..	38	16	6	5.5
Saloon ..	38	16	6	5.5
Lanchester				
10-h.p. saloon ..	35	13.5	5	5.5
Lea-Francis				
14-h.p. six-light saloon Mk. V ..	32	15.5	5.5	5.5
12-h.p. or 14-h.p. 2-seater sports ..	35	14	5.5	4
14-h.p. utility car	37	15.5	5.5	6
M.G.				
Midget open sports 2-seater ..	37	12	5	4.5
1½-litre six-light saloon ..	35	13.5	5	5
1½-litre tourer ..	35	14	5	5
Morgan				
2-seater coupé ..	33	11.5	5	4.5
„ open ..	33	11.5	5	4.5
4-seater open ..	33	11.5	5	5
Morris				
Minor saloon and tourer ..	35	12.5	5.5	5
Oxford saloon ..	36	14	5.5	5.5
Six saloon ..	40	15	5.5	5.5
Riley				
1½-litre saloon ..	30	15	5.5	5
2½-litre saloon ..	36	15.5	5.5	5
Rolls-Royce				
Silver Wraith chassis	42	17.5	6.5	—
Rover				
75 RH and 60 RH six- or four-light	37	14.5	5.5	5.5

4.E1 PRIVATE CARS : TURNING CIRCLES AND DIMENSIONS

Make and Model	Turning Circle Dia. (ft.)	Length (ft.)	Width (ft.)	Height (ft.)
Singer				
9-h.p. roadster ..	35	13	5	5
S.M. 1500 saloon	33	14.5	5.5	5.5
Standard				
Vanguard saloon..	35	14	6	5.5
Sunbeam-Talbot				
80 and 90 saloon..	36	14	5.5	5.5
80 and 90 convertible coupé ..	36	14	5.5	5
Triumph				
Saloon	40	15	5.5	5.5
Roadster	39	14.5	5.5	5
Vauxhall				
Wyvern saloon ..	37.5	14	5.5	5.5
Velox saloon ..	40	14	5.5	5.5
Wolseley				
Four-fifty saloon	38	14.5	5.5	5.5
Six-eighty saloon..	40	15	5.5	5.5



4.A10 COMMON SIZES 1 : CHAIRS AND TABLES

This Sheet is one of a group setting out "common sizes" and deals with chairs and tables. The planning of rooms and general allocation of space are dealt with under the appropriate planning sections.

Chair

Variation in height rarely exceeds 1 in.

Upright Armchair

Size given is common but period examples are frequently much larger.

Fireside Chair

Are made even as small as 2 ft. long.

Chaise Longue

Examples occur up to 5 ft. 3 in. long. Other types intermediate between fireside chairs and 4 ft. 3 in.

Typist's Chair

Adjustable for height. Variations in size are rare.

Nesting Chairs

The sizes given are for a type of wooden chair. A stack of 25 tubular steel chairs occupies a space of 4 ft. 6 in. high by 3 ft. 4 in. long.

Folding Chairs

The sizes given are for a type of wooden chair.

Armchair

The sizes given are those most commonly found.

Settee

Sofas are found of similar size.

Baby's Chair

The size given is a generally accepted standard.

3-Legged Stool

Smaller and lower types are found.

Music Stool

Some types are adjustable for height.

Dressing Stool

Height critical only in relation to dressing-table.

Drawing Stool

Height critical only in relation to drawing table.

Bar Counter Stool

Height critical only in relation to counter.

Dining Table

An allowance of 2 ft. per person is adequate.

Draw-Leaf Table

Table extended accommodates 6 persons and closed, 4 persons.

Circular Dining Table

An allowance of 2 ft. (that allowed for rectangular tables) is quite adequate. In the case of the 4 ft. 6 in. table illustrated, this would accommodate 6 or 7 people.

Wall Table

Size for 3 persons is shown.

Coffee Table

Sometimes considerably lower and longer. Nesting rectangular types are also found.

Card Table

Variations very rarely occur.

Trolley

Sizes given are common to domestic types.

Dressing Table

Heights vary considerably. Minimum table height approximately 1 ft.

Typist's Table

Size shown is generally accepted standard.

Billiards

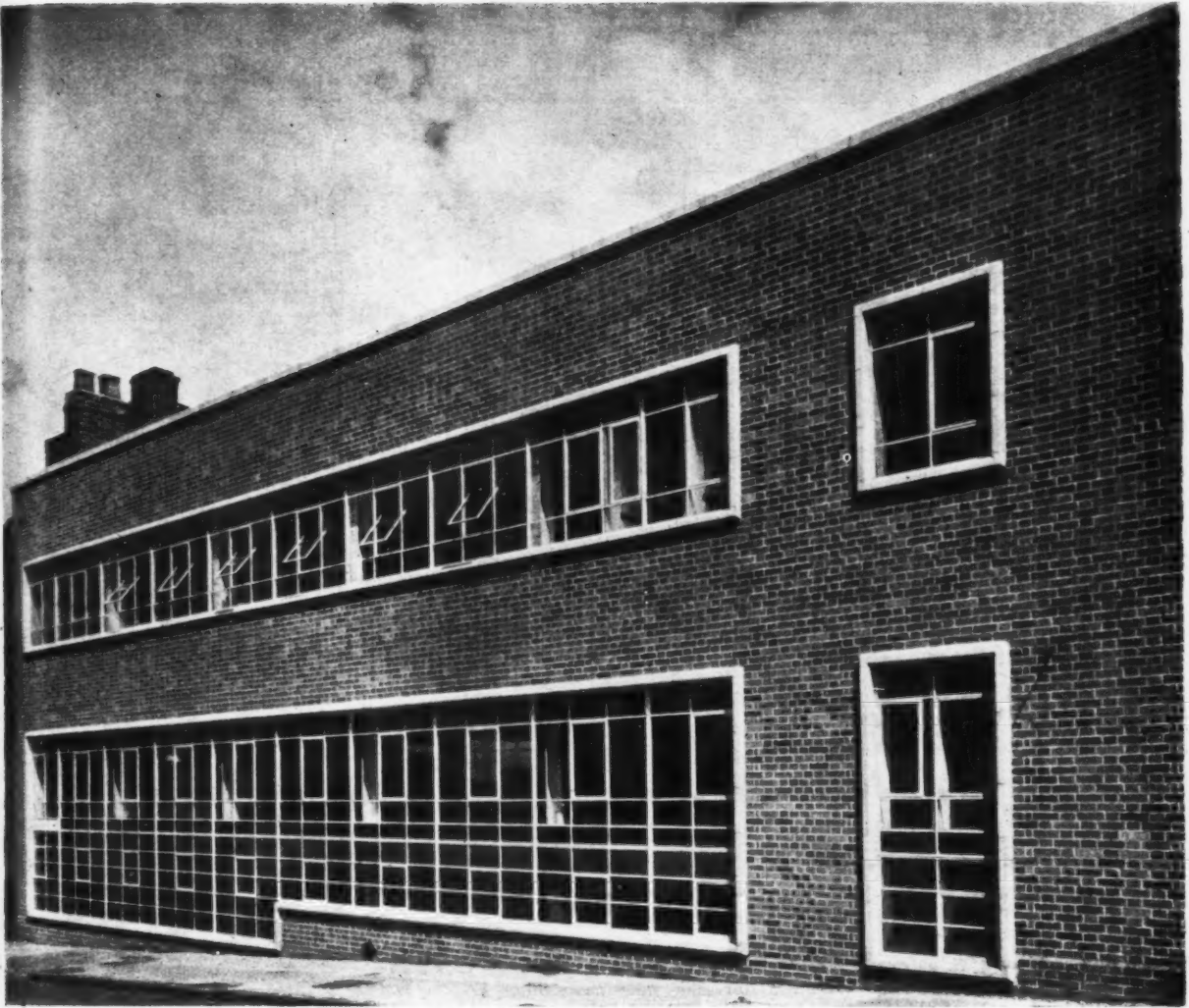
The match size table has a playing area of 12 ft. by 6 ft., and an overall size of approximately 13 ft. by 7 ft. There are no established sizes for smaller tables but three common overall sizes are as follows : 9 ft. 6 in. by 5 ft. 6 in., 8 ft. 6 in. by 4 ft. 6 in. and 6 ft. 6 in. by 3 ft. 6 in.

Table Tennis

The match size table is 9 ft. by 5 ft.

Office Desk

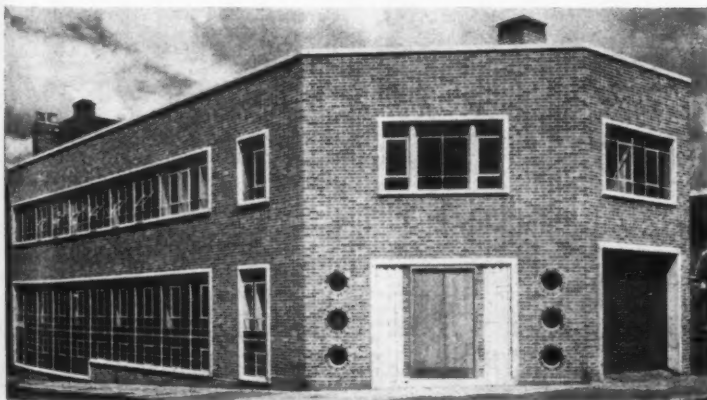
Period examples and some contemporary purpose-made examples are found up to 6 ft. 6 in. by 4 ft.



FACTORY AT BIRMINGHAM

DESIGNED BY PHILIP SKELCHER AND PARTNERS

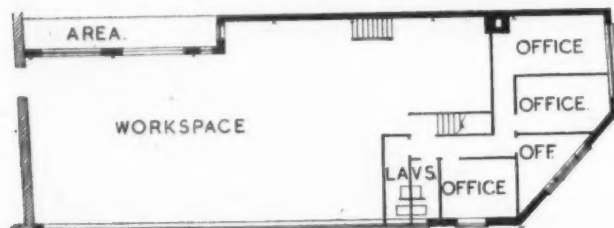
The main entrance. Above, side elevation.



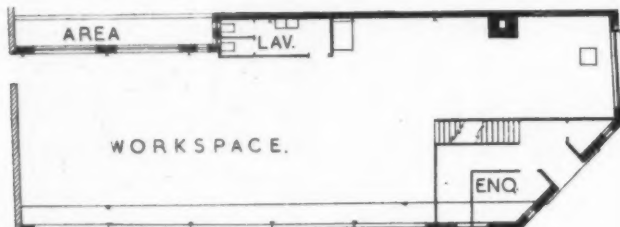
GENERAL.—When this extension to a carton manufacturing concern was constructed it was essential that every available inch of space should be utilised and that there should be no intermediate supports as the machinery to be installed was large.

CONSTRUCTION.—In order to ensure that the stanchions of this steel frame building should be kept as near as possible to the outside walls, a steel spreader framework was embedded below the basement floor level. The elevation was designed so that

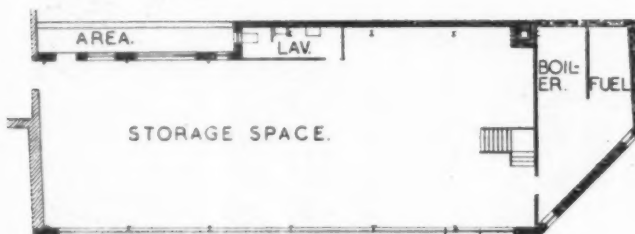
D



FIRST FLOOR PLAN

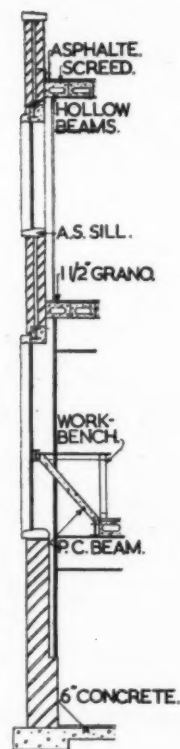


GROUND FLOOR PLAN



BASEMENT PLAN

[Scale: $\frac{1}{4}" = 1'0"$]



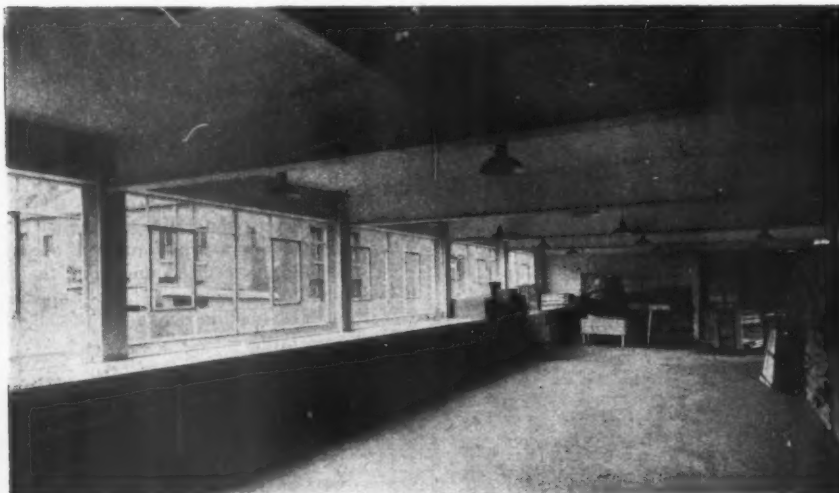
SECTION THROUGH WALL

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

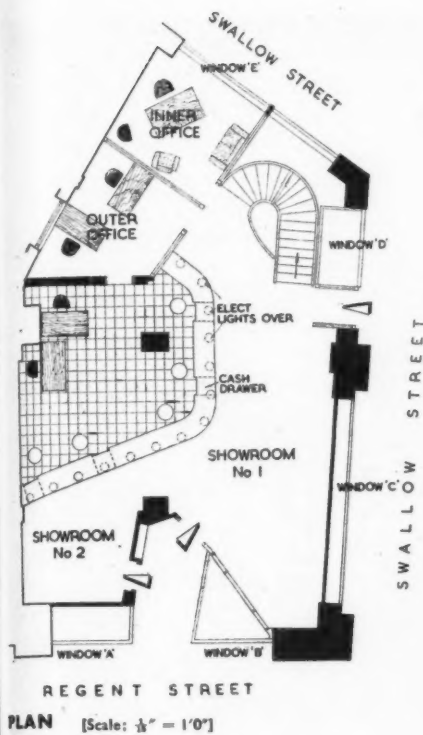
the maximum amount of natural light would be admitted, and the formation of a slope beneath the work bench on the ground floor allows light to reach the basement. The floors are paved with non-dusting granolithic. The stairs and landing have rubber flooring,

as have the offices on the first floor. Heating for the new extension and the adjacent old building is provided by a low-pressure, electrically accelerated hot water system. Domestic hot water is obtained from electrically-operated thermal storage units.

Left, workroom on first floor. Below, the staircase.



BY PHILIP SKELCHER AND PARTNERS



SHOP IN REGENT STREET, LONDON

DESIGNED BY SERGEI KADLEIGH

Showroom No. 1, looking towards the Regent Street entrance. Above, window "E" in Swallow Street.

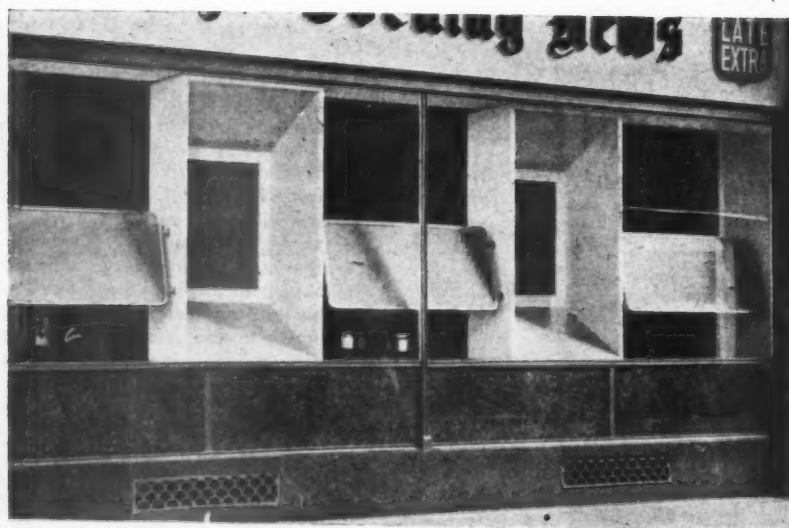


GENERAL.—Owing to the general increase in the volume of classified advertisements in the *Evening News* since the war, it became imperative for Associated Newspapers, Ltd., to open a West End showroom in addition to the existing section at Northcliffe House, which had been sufficient to meet the demand hitherto. For this purpose, therefore, the present showroom was adapted from two adjoining shops at 95/97, Regent Street. It was required by the client that the whole of the building operations and the fitting of displays be carried out in ten days, with the minimum of structural alteration. The existing arrangement of display windows was kept.

SITE.—The existing premises con-



The main counter. Below, the display boards in window "C".



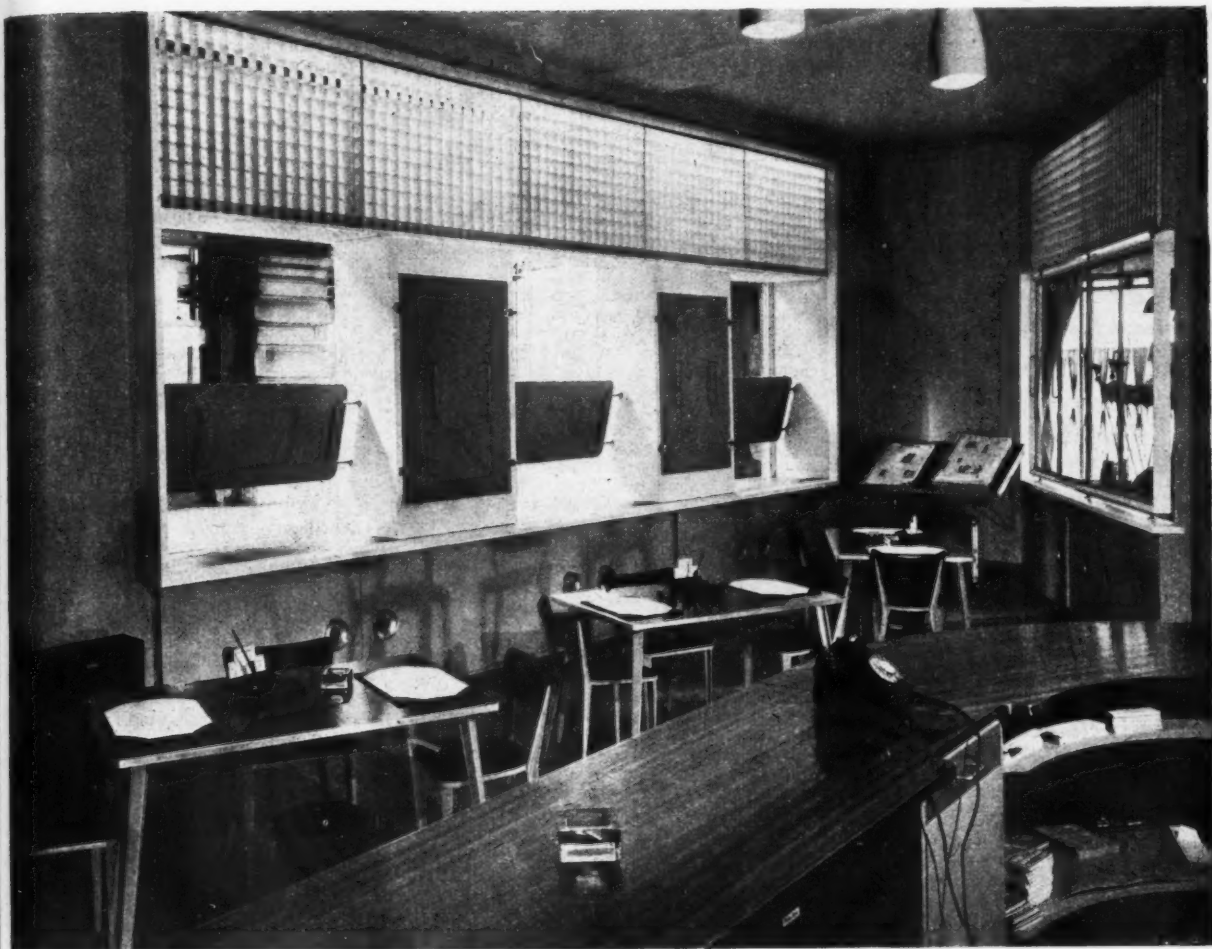
S H O P I N R E G E N T S T R E E T : D

sisted of two shops, divided by a central partition, with entrances from Regent Street through a common re-entrant from the pavement.

PLAN.—The main planning consideration was to provide as long a counter as possible, with maximum space on the public side of the counter for tables and chairs where small advertisements could be written out by prospective advertisers.

ELEVATIONAL TREATMENT.—Fascia boards are of patent plastic boarding, with light satin chrome edging and painted hardwood cut-out letters screwed to the face. Decorative grills at the

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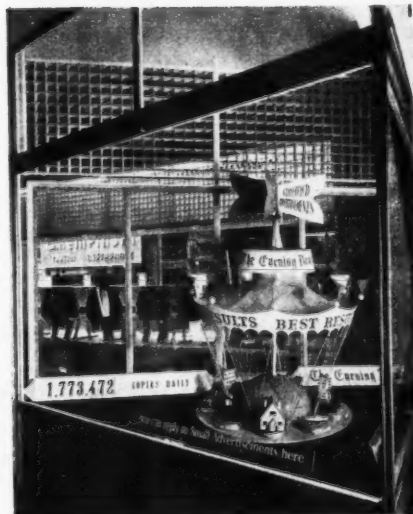
Showroom No. 1 from behind the counter. Below, display in window "B".

back of the Regent Street windows are of copper wire, welded into hinged opening frames of light copper channel section. All metal work is stove-enamelled. Photograph frames consist of a plastic, removable back panel, faced with grey felt on $\frac{1}{4}$ -in. compressed cork; and white metal cut-out mounts to take the different sizes and combinations of photographs. Each frame is easily demountable to facilitate cleaning the insides of the plate glass windows.

INTERNAL FINISH.—The counter top is of plastic boarding with mahogany veneer and light, stainless steel bead edging. The ribbed front is of 3-in. birch strips with

a pattern of birch cover fillets. The kicking plate and recess strip below the counter top is of stainless steel. The window lighting consists of fluorescent tubes behind vertical and horizontal metal "honeycomb" louvres. The floor finish in the showroom in front of the counter is an existing pile carpet cut and fitted to shape. The floor finish behind the counter is of polished cork tiles laid on bituminised felt. The colour scheme generally is pale grey and white with dark blue upholstery and a light beige carpet.

The general contractor was Cockade, Ltd. For list of sub-contractors, see page 186.



DESIGNED BY SERGEI KADLEIGH

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

TECHNICAL SECTION

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

INFORMATION CENTRE

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

2.92 planning: general

SURVEY MAP NOTATION

Town and Country Planning Act, 1947: Report of the Survey (including Notations for Survey Maps). Circular No. 63, June 24, 1949. Ministry of Town and Country Planning. (HMSO, 1949. 1s.)

Important official document on presentation of survey reports in connection with local planning authorities' development plans. Appendices dealing with survey headings; preparation of survey maps; definitions of density terms; and survey map notations.

The purpose of this Circular is to provide guidance to local planning authorities on the survey report which is to be submitted with each development plan. Details of the required survey work to be undertaken were given in MOTCP Circular No. 40 (see 2.43: 29.7.48). The actual report on the survey is to consist of a written analysis of the investigations illustrated by a number of summary maps. These maps are to represent summarized versions to a smaller scale of the office record maps of field and other surveys which have been prepared for urban and rural areas to the usual scales.

The type and scale of summary maps which are to be included in the report are set out in a special table. Those maps which should be submitted in all cases are shown in heavy type. In the case of a county borough planning authority they comprise maps showing land use, road and rail traffic, and net population density. In the case of county council planning authorities only the first two are indicated, and it is stated that the number required in excess of two will vary according to the number of "town map" areas in the county. Other maps set out in the table refer to age of buildings, floor space index, net accommodation density, facilities in

rural areas, communications, water supply and sewerage, and gas and electricity services. The pamphlet gives a number of explanatory notes on these maps which should be taken into account when studying the contents of the table.

The written analysis of the findings should draw attention to the main problems which have become apparent as the result of the survey. A description of these problems should be submitted under the classified main headings provided in Circular 40. A tabulated list of these headings is given in appendix 1 to the present Circular.

A second appendix consists of general notes on the preparation of the survey maps which are to accompany the report. It is stated that the recommended notations as given in appendix 4 (see below) are intended "to secure uniformity of presentation, so that the public, local authorities and government departments may be able to examine surveys of different areas without confusion." Reference is made to certain paragraphs of the appendix to MOTCP Circular No. 59 (see 2.74: 31.3.49) on the presentation and mounting of development plan maps which are also applicable to the survey maps. Some further recommendations put forward refer to the inclusion of information relating to land outside a local planning authority's boundary; to the dating of the survey and the maintenance of maps; to information on the National Grid; and to the use of air photographs in connection with the survey.

Appendix 3 provides most useful definitions of the term "density" for survey purposes, and explains net accommodation density; net population density; and gross population density.

Lastly the Circular contains, as appendix 4, ten loose survey map notation sheets, tabulating in detail the particulars to be shown on the summary maps, and the scales and colourings to be used.

Together with MOTCP Circulars Nos. 40 and 59 the present Circular No. 63 completes a most useful series of comprehensive and informative documents on survey presentation technique.

2.93 planning: general

DEVELOPMENT CHARGES

Town and Country Planning Act, 1947: Development Charge on Houses for Members of the Agricultural Population (Extended Arrangements). Circular No. 64. Ministry of Town and Country Planning. (HMSO, 1949. 1d.)

Note referring to provisions made in MOTCP Circular No. 62 (see 2.65: 25.11.48) and extending arrangements outlined in that Circular to cover houses erected for persons employed in forestry.

7.26 practice

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A most useful layman's guide to the law of copyright. 88 pp.

An architect, as the author says, is mainly concerned to see that his ideas, and the documents on which they are inscribed, are

not used by others as a guide to any subsequent building without his consent. His sketches are protected, as "artistic works," his plans as "literary works," but he will have no rights in the actual building unless the building has an "artistic character or design" of its own (the point was decided in the case of *Blake v. Warren* in 1931). Every professional man, whose ideas are in fact his capital, is affected by the law of copyright. This book is intended, as its publishers claim, to give its readers a simple explanation of the law and timely warning of how to keep out of trouble. It can be recommended as doing that remarkably well.

8.17 surveying and specification

QUANTITY SURVEYING

An Example in Quantity Surveying. Arthur J. Willis. (Crosby Lockwood & Sons Ltd. 2nd Edition. 1949. 25s.)

A book for students comprising complete drawings, dimensions, abstract and bill of quantities for a house.

This edition is similar to the previous one but has been amended to agree with the revised edition of the Standard Method of Measurement.

The drawings, dimensions, abstract and bill are all separate documents which can be taken out of the case, spread on the table, and followed through and checked as if they were for an actual job. This method of presentation gets over the greatest bugbear of quantity surveying textbooks—that of trying to compare dimensions with drawings given on separate pages or in the appendix.

Mr. Willis is an experienced author and a master of his subject; he has written a very full commentary which can leave the student in no doubt as to the reason for each step taken, and has supplied an exhaustive index.

There is no doubt that this book does bridge the gap between the normal textbook and office experience and that it can be thoroughly recommended to all students.

17.58 construction: general

CONCRETE HOUSES

Concrete Houses and Small Garages. By A. Lakeman. (Concrete Publications, Ltd. 4th edition, 1949. 8s. 6d.)

Book on concrete houses built by simple in-situ methods, pre-cast blocks, or other small size units.

The author is of the opinion that the older and well tried methods are still the most suitable for building single houses or small groups of houses in concrete, and that some of the newer proprietary systems are more suitable for large groups of houses. The book deals mainly with houses in pre-cast blocks and with in-situ walls. It gives plans, sections, elevations, reinforcing details and quantities of five different types, and describes suitable moulds for various pre-cast units. A separate chapter is devoted to the surface treatment of concrete walls.

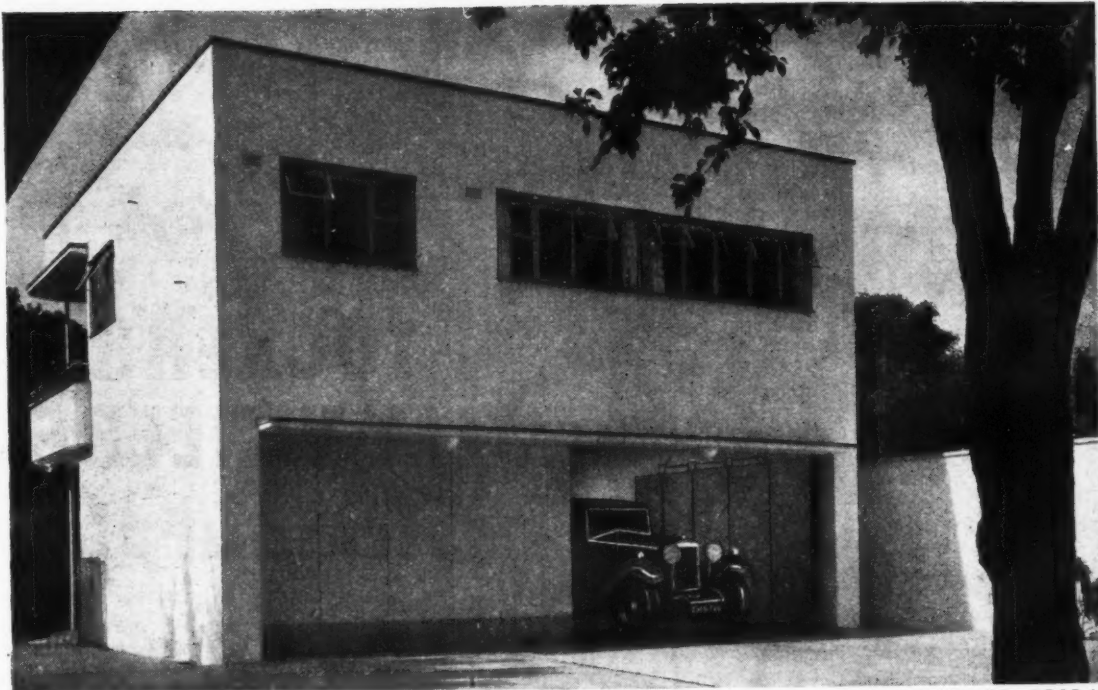
17.59 construction: general

BUILDING SCIENCE: FRANCE

Cahiers du Centre Scientifique et Technique du Batiment, No. 3 (Studies of the Centre for Building Science and Technique, No. 3). (The Centre, Paris, January, 1949. 550fr.)

Third issue of new comprehensive quarterly journal published in France.

This number of the *Cahiers* shows certain documentary improvements over the first issue which was referred to under 17.38: 28.10.48. Each of its separately bound sections now carries a Universal Decimal Classification number in addition to the more general classification headings adopted throughout. Also abstracts in French and English are provided for each article. These



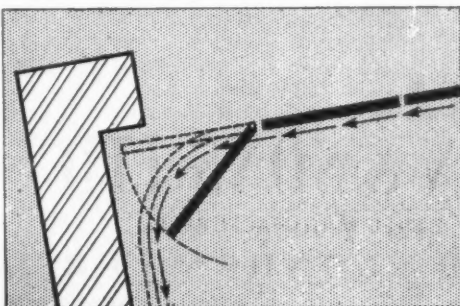
"Miramont," Kingston, Surrey.

Architect: E. Maxwell Fry, F.R.I.B.A.

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abstracts are collected in a separate section and are extremely useful as they give the user a quick and concise reference to the more detailed subject matter published in the *Cahiers*.

There are twelve parts to the present issue covering a wide field of building technology. They include special articles on lightweight and cellular concretes, on prefabricated sanitary and kitchen fittings, and on the properties of building stones in connection with the presence and circulation of water in their pores. There is a study of the absorption of sound by structures made up of perforated panel linings, followed by a report based on statistical investigations undertaken to estimate the amount of heat to be derived from the sun. Articles on heating include an experimental and economic study of a central heating system. An interesting and detailed analysis of departmental store design is given in the architectural section.

23.107 heating and ventilation AMERICAN HEATING

Papers Presented at the Seventh Short Course in Coal Utilization. University of Illinois Bulletin, Vol. 45, No. 48. (Engineering Experiment Station, Circular Series No. 53. University of Illinois, 1948.)

An interesting publication, giving in a short space a great deal of information on modern research and practice in America, in the winning, marketing and burning of coal.

As the conference is sponsored by the Coal Industry, and intended for coal merchants as well as for architects and engineers, not all of it is of direct architectural application: but, nevertheless, many architects will find entertainment in the chapters on coal sales and service, not least in the language

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

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..... A.J. 18.8.49.

BLOCK LETTERS, Please

of the specimen circulars. There is a tang about "Now that we're tasting a frosty fall" which could scarcely fail to whet our appetites for more coal. But for many the entertainment will be tinged with envy of a country where the customer is of such importance.

Of those papers of chief interest to the architect, two deal with coal storage and delivery, with particular reference to clean and speedy delivery by mechanical means; there is a not undeserved dig at those architects, who exist also in this country, who give insufficient thought to the siting of bunkers. Other papers include some of the results obtained in the IBR Research Home at the University of Illinois, in respect of heat losses from inhabited houses; a valuable full scale heating experiment; warm air heating troubles and their correction, of particular interest in view of the renewed interest in warm air heating in this country; the economics of heating and insulation, and structural design to provide maximum comfort with the minimum of losses, again supported by experiments in the University research homes; the problems of accurate combustion control in small solid fuel furnaces; radiant heating; and domestic hot water supply by the combined system. In this latter, the savings resulting from the adoption of such a system and the value of circulating pumps are emphasized; but some of the statements suggest that American practice in hot water installations is in no way more advanced than ours.

23.108 heating and ventilation HOT WATER, STEAM HEATING, U.S.A.

Papers Presented at the First Short Course on Hot Water and Steam Heating Systems. University of Illinois Bulletin, Vol. 45, No. 49. (University of Illinois, 1949.)

Papers presented at the first short course on hot water and steam heating systems held at the University of Illinois, Chicago, sponsored by the IBR.

This course was intended for heating contractors, wholesalers and manufacturers' representatives. Some of the papers are on specialized technical subjects, such as the flow of water through pipes, but others should be of much interest to architects. As in the case of other sponsored courses, the "sales angle" is included; in this case, the sales of the products of the IBR which will, we are told, enable us to "Enjoy Better Living with Radiant Sunny Warmth."

The papers of most interest to the architect are those dealing with heat loss calculations, which deal concisely and simply with heat transference, insulation and infiltration; with factors affecting comfort; with the performance and positioning of radiators, including a statement as to the improved results obtained by enclosing them, and the very satisfactory performance of skirting heaters, which will please those many architects who do not care for the appearance of the ordinary radiator. There are also papers dealing with the indirect heating of domestic hot water, including the value of proper insulation, and the effect on fuel consumption of running at various temperatures.

23.109 heating and ventilation INSULATION

Economical Heat Insulation, Report No. 1. (The Danish National Institute of Building Research, Copenhagen, 1949.) (Ökonomisk Varmeisolering, Rapport Nr. 1. Statens Byggeforskningsinstitut, København, 1949. Kr. 7.)

The first published report of the Danish Building Research Institute, dealing with the economics of heat insulation.

This valuable publication deals very fully with heat insulation for dwelling houses, with particular regard to the economic standpoint. It is probably the most complete report on research into this subject yet published in any country; and the subject is one which must be of great importance to all architects at the present time. Although published in Danish, there is an English summary and a glossary which enables the reader, without difficulty, to understand at least the many excellent diagrams. Nevertheless, it is much to be hoped that a full English translation may be made available as soon as possible. The report states that the aim of the investigations was to determine, with a view to comparison, running expenses for different designs of exterior walls, roofs and floors, and the most economical thickness of insulation; and that the running expenses for an exterior wall from the point of view of heating economy are:—

- (1) Interest on capital cost, and depreciation on fabric.
- (2) Fuel covering heat loss.
- (3) Interest on capital cost and depreciation on heating system.
- (4) Rent of the space occupied by the wall.

These are expressed as a formula, whence are calculated the relative values of various means of construction.

An appendix shows sections of the various constructions, with their running costs plotted graphically. This is particularly easy to follow.

One point must be noted in particular: the great saving resulting from the use of double glazing. The possibilities of its use have received insufficient attention in this country.

The report is particularly well printed and produced, and the diagrams are outstandingly clear.

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

2997 SILVER-FISH

Q Can you suggest any methods of getting rid of Silver-fish (*Lepisma Saccharina*) which inhabit the bathroom and cupboards, etc., of an existing house?

A A 5 per cent. solution of DDT sprayed into the infested areas or DDT powder blown on to shelves, etc., will generally get rid of Silver-fish. If this should fail, a poison bait consisting of one of the two following formulæ should be placed in small shallow cardboard boxes covered with crumpled paper:—

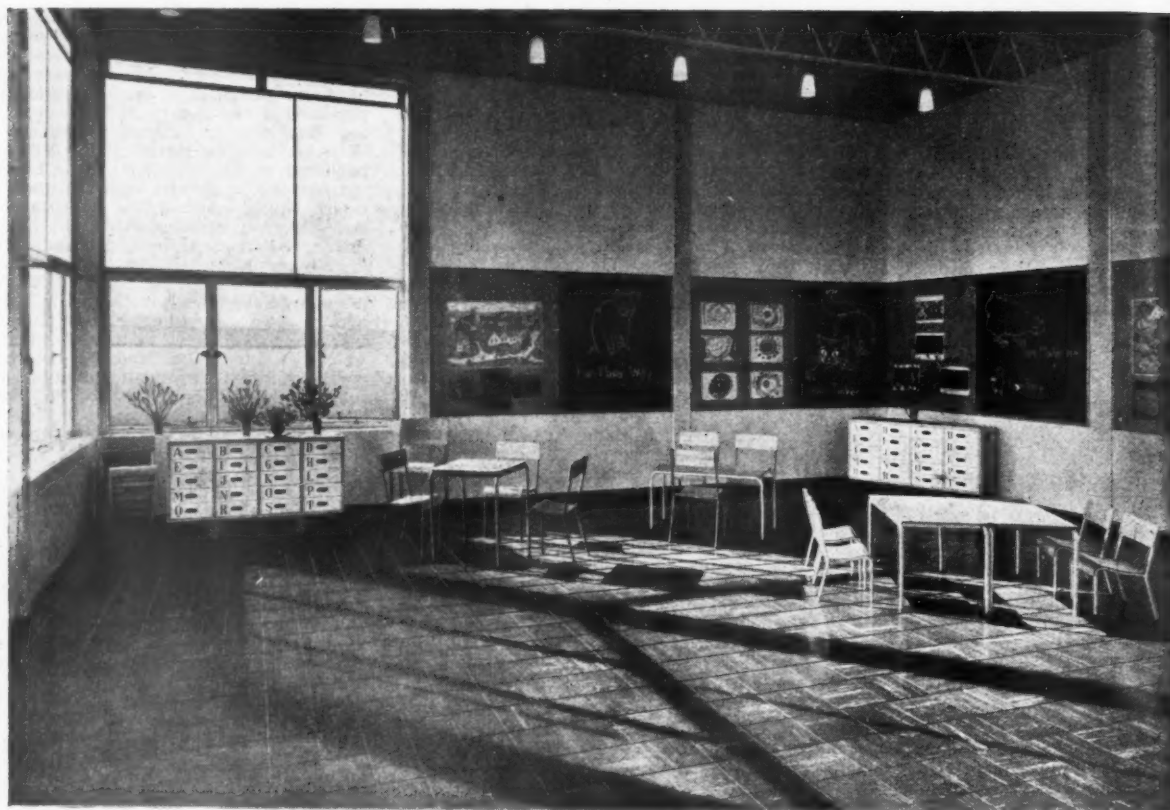
Formula A:—

- 100 parts oatmeal flour.
- 8 parts sodium fluoride or white arsenic.
- 5 parts granulated sugar.
- 2 parts salt.

Formula B:—

- 5 parts sodium fluoride.
- 90 parts flour.

The paper attracts the insects and they go in and are poisoned by the bait. A teaspoonful of the bait in each box is sufficient for ordinary houses. Care should be taken that after use the boxes and their contents are burnt and all traces carefully cleared away.



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POST-WAR HOUSING IN DENMARK

by Ian Bowen

The organization of house-building in Denmark is mainly through housing societies, financially supported by loans on favourable terms from the State. This organization has been described in a previous article; it has important consequences in relation to the housing progress and indeed for the organization of the building industry.

In this article, however, I do not intend to deal with the economic aspect of the matter only. I am venturing to comment, as a layman, on some of the architectural features that struck my untutored eye. Some illustrations on this page have kindly been supplied by the Danish Ministry of Housing.

The effect of the housing society method of building houses is that administrators leave a very high degree of technical responsibility to the architect, or group of architects, in control of a particular project. The first and most striking impression that is gained from viewing any of the more recent housing estates, either of block dwellings or of family houses, is that the project has been conceived as a whole, and in architectural relationship to the features of the site. This is in marked contrast to the impression gained from a visit to the LCC or other municipal housing estates round London, where there is plenty of evidence of concern over detail, but no sense of the site-dwelling relationship. It is impossible for me to say whether this difference is due to a different approach, as between different schools of architecture, or to the greater responsibility enjoyed by the Danish architect. All I can do is to record the impression, which was confirmed by many instances.

PREFABRICATED ESTATE

Consider, for example, the estate of prefabricated dwellings at Søndergardspark; a view of the model of this estate is shown on this page. The estate is composed of an outer half-wing of row, or terraced, prefabricated dwellings, while on the other side of the estate the dwellings were built detached. There are gentle slopes on the site and skilful use has been made of these to break up hard continuous lines, and, as it were, melt the houses into the landscape. The trees have been well planted, and the playing fields sited near at hand. The whole estate is informally grouped round a central open space, near which is situated such a communal and functional building as a highly up-to-date laundry. The general impression is of a park, in which houses have been tastefully interspersed. For how many British pre-fabricated estates has similar care been taken over lay-out?

In this estate the key to the success of the scheme does not lie in any superiority of the Danish prefabricated one-storey houses (meant to be permanent) over our own. Among our own permanent prefabricated houses are types that are probably, space for space, as good or better from a cost, or technical, point of view and the internal space provided is greater. But the Danish architect has grasped the relationship of inside and outside. The landscape continues up to and into the house. Instead of this Frank Lloyd Wright influence being held to be the exclusive privilege of the millionaire it is brilliantly applied to the working-man's subsidized abode.



Housing estate at Bindeledet by Poul Ernst Hoff and Bennet Windinge

A further illustration of this success is that provided by the small houses at Bindeledet, where the architects were, as at Søndergardspark, Mr. Poul Ernst Hoff and Bennet Windinge. Here again the houses are, in size and some standards, below the British, although their heating facilities are better planned and more economical. But the great point is their pleasant and civilized relationship with the open air. Each little house has its open air room (shown in the illustration) where the family has meals in the summer, and where there are swings for the children.

Some of the success of the Danish architects in this respect is, no doubt, due to the fact that members of the public in Copenhagen delight in growing flowers and plants in their windows as well as in their gardens. They train plants up their walls very skilfully, and the housewives tend these plants so that there is no loose earth or inconvenient insect life indoors as a result. The indoor plant cult is a vigorous expression of contemporary life in Denmark, and has no relationship to the Victorian passion for a dying (or, worse still, flourishing) aspidistra. The estate at Bindeledet was finished since the war, and has been occupied for only about a year, yet both the outside and inside flowers and plants are flourishing vigorously; the lawns are well kept, and give, in a remarkably confined space, a sense of peace and quietude.

Some of the permanent estates have been reserved for families with children. Several of these estates are laid out with access only by footpaths, diagonally set to the service roads, and here the gardens are very

small, and inevitably suffering from the children's play. There are some social disadvantages (of which the policy-makers are aware) in the segregation of families with children but there is one great compensating advantage—the opportunity of providing nursery schools for families where the mothers are in work. These schools or nurseries are of great charm and efficiency, and the internal fittings are imaginatively designed and attractive; there are child's size carpentry tools, model shops, model kitchens and dolls' houses, while, outside, stone and timber as well as sand is provided for the children to build their model houses and castles.

BLOCK DWELLINGS

Some of the block dwellings designed since the war by architect Albinus, and other leading housing society architects, have also embodied the open-air principle with singular success. A favourite form of design is one with a bay window alternating with a roomy balcony, and the blocks of working-class flats, like the houses, are bright with flowers in summer.

Shops are frequently provided in the ground floors of block dwelling estates, and nursery schools are being built. It cannot, however, be said that Denmark has anything to teach us on the subject of town planning. The housing society covers housing, not the whole of community life. But there is a style in the architectural plans that touches the imagination and makes many of our own estates seem mockeries of the great landscaping tradition in which England was once the leader.



Model for a housing estate at Søndergardspark.

Announcements

It has been found that the price limit of 10s. per cubic foot c.i.f. for hardwoods under the Hardwood Overseas Procurement Scheme Part III is too low for importers to obtain certain species which are necessary for exceptional and special uses. If the use stated on the application requires any of the listed species, a price exceeding 10s. per cubic foot c.i.f. will not prevent approval of the application, if the cost increase is not excessive. It should be noted that this applies only to certain hardwoods of maximum dimensions 4 in. x 4½ in. x 48 in. In order to obtain the usual lengths of strips for the manufacture of flooring, the length of 48 in. may be exceeded, provided the thicknesses are 1 in. or 1½ in. and the width 3-4½ in.

Mr. S. Morrison, A.R.I.B.A., has resigned his appointment as principal assistant architect to the Hertfordshire County Council and has commenced practice at "Derwent House," 39, Full Street, Derby (tel.: Becketwell 48670), where he will be pleased to receive trade catalogues, etc.

The Board of Trade announce that the following hardwoods, if used for flooring, are added to the list of hardwoods previously notified, to which the price restriction of 10s. per cubic foot c.i.f. United Kingdom no longer applies: Mugonha, Muhimbi and Muave.

The Copper Development Association, Kendals Hall, Radlett, Herts., has received many requests for lectures and demonstrations on the increasing use of copper in building, by their building engineer, Dr. Ernest Carr, and his assistants. Those who have the responsibility of arranging lecture programmes are reminded that these lectures are given free, and also supplement the free

issue of books and wall charts provided by the Association at the request of responsible persons.

Additional information to that contained in "Copper Flashings and Weatherings," Copper Development Association, publication No. 42, has been prepared and issued as a separate booklet, No. 42a. It is intended to incorporate these additions in the next reprint of No. 42. Meanwhile, the supplement is available to all who already possess No. 42, and, like the other CDA publications, it is issued free of charge.

The Ministry of Supply announces that the price of good soft pig lead has been increased by £2 2s. 6d. to £87 5s. per ton delivered.

Buildings Illustrated

London Transport Executive Canteen & Training Centre, Baker Street. (Pages 173-176.) Architect, Thomas Bilbow, F.R.I.B.A. Principal, C. S. Boughton, L.R.I.B.A. (Road Services); assistant architects, J. A. Russell, L.R.I.B.A., H. F. Willoughby, L.R.I.B.A. Contractors: Charles Booth & Son. Sub-contractors: Tiling, Carter & Co.; terrazzo, Mosaic & Terrazzo Precast, Ltd.; folding doors, and internal signs, D. Burkle & Son, Ltd.; linoleum, Cellulin Flooring Co., Ltd.; heating and ventilation, and main kitchen equipment, Richard Crittall & Co., Ltd.; goods lift, W. M. Wadsworth & Sons, Ltd.; kitchen equipment, cold room, Brett Daniels, Ltd.; refrigerator, Marco Refrigerators, Ltd.;

tea-making boilers, Jackson Boilers, Ltd.; and W. M. Still & Sons, Ltd.; students' cabinets, Trews (Croydon), Ltd.; potato peeling machines, Imperial Machine Co., Ltd.; water softeners, Permutit, Ltd.; canteen service counter, Gardner & Gulland, Ltd.; aluminium utensils, Aluminium Castings Co., Ltd. (Greenock); dining room chairs, Cox (Watford), Ltd.; dining room tables, Cave, Ltd.; mixer, Peerless Ericsson, Ltd.; floor cleaning machine, Cimex, Ltd.; classroom furniture, Bentley, Ltd.; sinks, Sissons, Ltd.; cash registers, Gledhill & Sons, Ltd.; steelwork, Moreland Hayne; precast stone Richard Stone Co.; general joinery, R. Cattle; windows and metal screens, W. James & Henry Hopes; precast floors, Concrete, Ltd.; ironmongery, Parker, Winder & Achurch; lighting, Electricity Dept. of London Transport Executive; servery screens, Light Steelwork, Ltd.; signs Nash & Hull; paint, Vulcan Products; glass, Young & Marten; piling, Pressure Piling; contractors for the foundations, Prestige & Co.; cash desks, A. Edmunds & Co.; bronze handrailings, G. C. Harris; bricks, Greenhams. Structural work, A. V. Bond, A.M.I.N.S.T.STRUCT.E., assisted by A. McBeth, A.M.I.N.S.T.STRUCT.E. Heating and ventilation installation, S. C. Mount, M.I.H. & V.E., assisted by J. Read, B.S.C. Lighting designed and executed, R. Dell, M.I.E.E., M.I.MECH.E. (Executive's Signal Engineer). Layout of kitchen equipment under the supervision of H. S. Gordon.

Shop in Regent Street. (Pages 179-181.) Architect, Sergei Kadleigh, A.R.I.B.A. General contractor: Cockade Ltd. Sub-contractors: electric wiring and light fixtures, Courtney Pope Ltd.; plaster round circular staircase and windows and built-in cupboards, F. W. Winton, Ltd.; furniture, Ernest Race Ltd.

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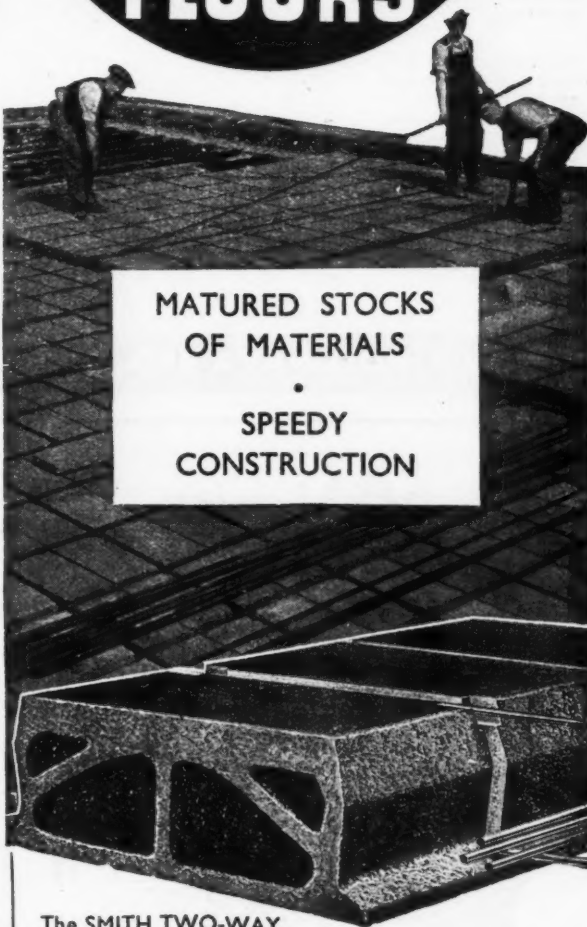


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The Reynardo (Bold Roll) Handmade tile is of especial interest these days because its large size permits of a worthwhile saving of roof timber. As there are fewer tiles per square, compared with tiles of smaller size, roofs can be laid more quickly—a further saving of expense.

Specify Reynardo (Bold Roll) Handmade Roof Tiles.
Ask for illustrated list.



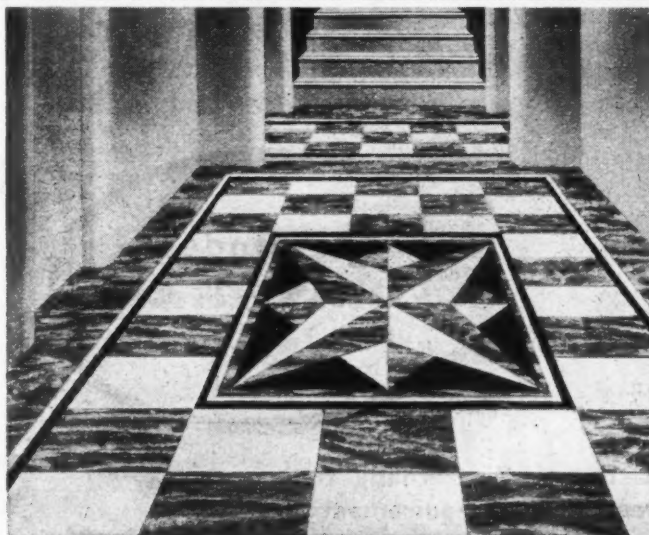
SIZE $16\frac{1}{2}'' \times 14''$ APPROX. 85 PER SQ.

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SCHOOLS, KITCHENS
LABORATORIES, BOILER HOUSES, ETC.

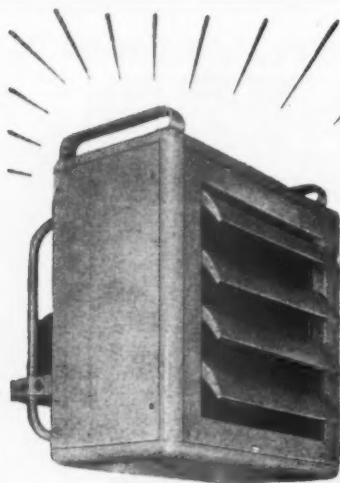
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BROADS

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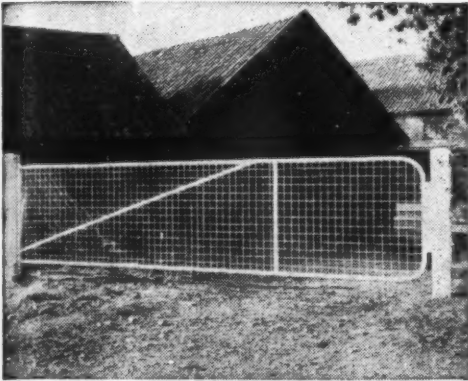
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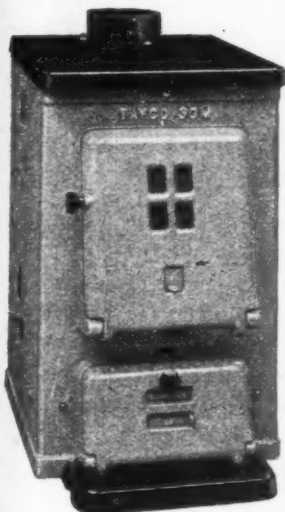
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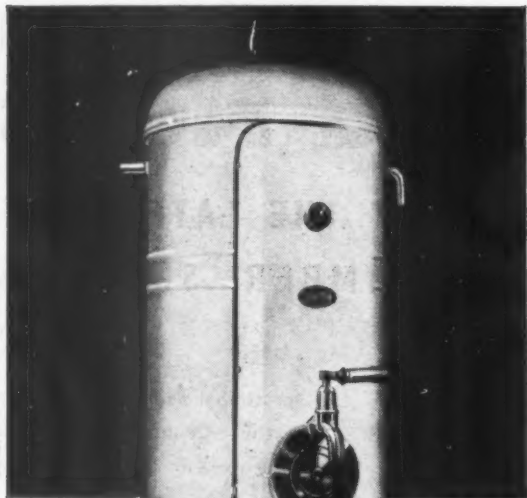
'Phone: Leeds 76514

GLASGOW . . . 130, Coventry Drive, E.1

'Phone: Bridgeton 1041

BRISTOL . . . 22-24, City Road, 2.

'Phone: Bristol 24595



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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.

Available only to applicants excepted from the Control of Engagement Order, 1947.

Public and Official Announcements

21s. per inch; each additional line, 2s.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: EMPLOYMENT REGISTERS, WARR PARK, WYTHELEAF. Tel.: Uplands 0935. 991

LONDON COUNTY COUNCIL

Applications are invited for unestablished positions of (i) ARCHITECT, Grade III (salaries up to £700 a year) and (ii) ARCHITECTURAL ASSISTANTS (salaries up to £550 a year), in the Housing and Valuation Department. Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

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. Preference will be given to candidates holding a recognized professional qualification.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required, and quote Ref. G.R.3). Canvassing disqualifies. (2259) 1046

COUNTY BOROUGH OF SWANSEA.

BOURGH ARCHITECTS' DEPARTMENT. Applications are invited for the Established Staff appointments as hereunder:—

- (1) ASSISTANT BOROUGH ARCHITECT. £800 p.a.
- (2) ASSISTANT QUANTITY SURVEYOR. Grade VII, £635-£710 p.a.
- (3) TWO JUNIOR ASSISTANT QUANTITY SURVEYORS. Grade III, £450-£495 p.a.
- (4) MAINTENANCE SURVEYOR. Grade V, £580-£570 p.a.
- (5) ARCHITECTURAL ASSISTANT. Grade III, £450-£495 p.a.

Candidates for the post of Assistant Borough Architect must be Associates of the Royal Institute of British Architects, widely experienced in design and modern constructional methods.

For Quantity Surveying posts, Grade VII, and Maintenance Surveyor, Grade V, Associateship of the Royal Institution of Chartered Surveyors (in the appropriate division) must be held, and for Junior Assistant Quantity Surveyor and Architectural Assistant posts the Intermediate examination of the Royal Institution of Chartered Surveyors or Royal Institution of British Architects must have been passed.

Candidates must be under 45 years of age, unless in Local Government Service. The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

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

Forms of application may be obtained from the Borough Architect, Mr. H. T. Wykes, F.R.I.B.A., Guildhall, Swansea, and are to be returned, accompanied by three recent testimonials, to the undersigned, not later than noon on 29th August, 1949.

Canvassing, directly or indirectly, will disqualify.

(Signed) T. B. BOWEN,
Town Clerk.

Guildhall, Swansea.

August, 1949.

1764

COUNTY COUNCIL OF THE WEST RIDING

OF YORKSHIRE

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent establishment:—
CHIEF ARCHITECTS AND CHIEF QUANTITY SURVEYORS. £760-£910 and £685-£760.
SENIOR ARCHITECTS AND SENIOR QUANTITY SURVEYORS. £635-£710 and £595-£660.

ASSISTANT ARCHITECTS AND ASSISTANT QUANTITY SURVEYORS. £550-£610, £530-£570, £480-£525, £450-£495.

JUNIOR ARCHITECTS AND JUNIOR QUANTITY SURVEYORS. £420-£465, £390-£435.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, as amended by the West Riding County Council (General Powers) Act, 1948, and to a medical examination.

Applications, on forms obtainable at this office, must be submitted by 1st September, 1949.

HUBERT BENNETT, F.R.I.B.A.,
County Architect.

County Hall, Wakefield.

1686

LANCASHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointments:—

HEADQUARTERS' OFFICE, PRESTON:
(a) SECTIONAL PLANNING OFFICER (Development) (A.P.T., Grade VIII).

The commencing salary will be within the range of £685-£725-£760 per annum, according to qualifications and experience.

Candidates for this appointment should possess one or more of the following or equivalent qualifications: a University Degree or Diploma in Architecture, Engineering or Surveying, A.M.T.P.I., A.M.I.C.E., A.R.I.C.S., A.M.I.Mun.E., A.R.I.B.A.

Applicants should have had considerable experience in the preparation of Development Plans under the Town and Country Planning Act, 1947, and the administration of development control. The successful candidate would be expected to supervise the work of staff on lower grades.

(b) SECTIONAL PLANNING OFFICERS (Architecture) (A.P.T., Grade VIII).

The commencing salary will be within the range of £685-£725-£760 per annum, according to qualifications and experience.

Applicants should possess a University Degree in Architecture and/or be Corporate Members of the Royal Institution of British Architects. An additional qualification in Town and Country Planning would be an advantage.

Experience is essential in the planning of residential, industrial and central areas, and the successful candidates would be expected to supervise the work of staff on lower grades.

(c) SENIOR PLANNING ASSISTANTS (Architecture) (A.P.T., Grade VI).

The commencing salary will be within the range of £595-£660 per annum, according to qualifications and experience.

Candidates for these appointments should possess a University Degree in Architecture and/or be Corporate Members of the Royal Institution of British Architects. Previous planning experience is not essential, but preference will be given to applicants who also possess a qualification in Town and Country Planning and have had experience in the preparation of detailed plans for residential, industrial and central areas.

(d) PLANNING ASSISTANTS (Research).

The commencing salary will be fixed according to experience and qualifications, the maximum not exceeding £525 per annum.

Candidates should be University Honours graduates in Economics, Agricultural Economics or Sociology.

The duties attached to the appointment will include the preparation of comprehensive rural, agricultural, industrial and economic surveys, and candidates should possess a genuine interest in the problems of the countryside and/or a sound knowledge of the problems of industrial location.

BLACKPOOL DIVISIONAL PLANNING

OFFICE:

(e) SECTIONAL PLANNING OFFICER (A.P.T., Grade VIII).

The commencing salary will be within the range of £685-£725-£760 per annum, according to qualifications and experience.

Applicants for this appointment should possess one or more of the following or equivalent qualifications: a University Degree or Diploma in Architecture, Engineering, or Surveying, A.M.T.P.I., A.M.I.C.E., A.R.I.C.S., A.M.I.Mun.E., A.R.I.B.A.

The successful candidate will be in charge of the Divisional Planning Office to be established in the vicinity of Kirkham, and will be responsible, under the direction of the Divisional Planning Officer, for the planning work of that part of the Administrative County surrounding the County Boroughs of Blackpool and Preston. Experience in the preparation of Town and Country Planning Schemes and the administration of the relevant Acts and Orders is essential.

LANCASTER, BLACKPOOL, PRESTON, KIRKHAM, WIGAN AND BURY

DIVISIONAL PLANNING OFFICES:

(f) SENIOR PLANNING ASSISTANTS (A.P.T., Grade VI).

The commencing salary will be within the range of £595-£660 per annum, according to qualifications and experience.

Candidates for these appointments must possess one or more of the following or equivalent qualifications: a University Degree or Diploma in Architecture, Engineering, or Surveying, A.M.T.P.I., A.M.I.C.E., A.R.I.C.S., A.M.I.Mun.E., A.R.I.B.A.

Previous planning experience is not essential, but preference will be given to persons who have had a good general experience in the preparation of Town and Country Planning Schemes and the administration of the relevant Acts and Orders.

The appointments will be subject to the Scheme of Conditions of Service of the National Joint Council and to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, experience and present salary, together with the names and addresses of two persons to whom reference may be made, should be forwarded to the County Planning Officer, County Offices, Preston, not later than Saturday, 20th August, 1949.

Applicants should state clearly for which appointments they wish to be considered.

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

County Offices, Preston.

1736

CORPORATION OF LONDON.
APPOINTMENT OF ARCHITECTURAL AND SURVEYING ASSISTANTS.

Applications are invited for the appointment of Architectural and Surveying Assistants in the City Surveyor's office. The salary will be within the range: Higher Grade I, £400-£35-£625 and Higher Grade II, £350-£25-£700. The commencing salary will be arranged according to qualifications and experience.

Applicants should be between the ages of 25 and 35 years, and should be Associate Members of the Royal Institute of British Architects or the Royal Institution of Chartered Surveyors (Building Sub-division). Applicants without these qualifications but up to Intermediate Examination standard will be considered for the positions in Higher Grade I.

The appointments call for good draughtsmanship, a sound knowledge of building construction, specification writing, contract management, and general administrative ability. The appointments are on a probationary basis, and candidates will be considered for transfer to the permanent staff as and when vacancies occur (one vacancy at present exists).

The appointments will be subject to the provisions of the Corporation's Superannuation Scheme, and candidates will be required to pass a medical examination.

Applications, giving full personal details, particulars of qualification, experience, age, past and present appointments, and the names of two persons to whom reference may be made, should be forwarded to George Holliday, F.R.I.C.S., City Surveyor, Corporation of London, 55-51, Moorgate, E.C.2. 1785

LONDON ELECTRICITY BOARD.

Applications are invited for the following appointments in the Architect's Section of the Chief Engineer's Department in Central London.

(a) ASSISTANT ARCHITECTS. Commencing salary will be from £650 per annum, dependent upon qualifications and experience.

Applicants should preferably be Associate Members of the R.I.B.A. They should be capable of preparing working drawings and specifications, and should have had good general experience in design and construction.

(b) ARCHITECTURAL ASSISTANTS. Commencing salary will be from £500 per annum, dependent upon qualifications and experience.

Applicants should be studying for or have passed the Intermediate Examination of the R.I.B.A., be capable draughtsmen, and have had several years' experience in an Architect's office.

(c) DRAUGHTSMEN. Commencing salary will be from £350 per annum, dependent upon ability and experience.

Applicants should be neat draughtsmen, and preferably have had several years' experience in an architect's office.

The salaries for the above posts are provisional, and the salaries and conditions of employment will be in accordance with those laid down from time to time by the appropriate negotiating body.

The successful candidates will be required to contribute to a superannuation scheme, and may be required to pass a medical examination.

Application should be made on forms obtainable from the Establishments Officer, London Electricity Board, 46/47, New Broad Street, London, E.C.2, to whom they should be returned, duly completed, within 14 days of the publication of this notice. 1769

GLENROTHES DEVELOPMENT

CORPORATION.

Applications are invited from suitably qualified persons (under 45 years of age) for the following appointments:—

(1) CHIEF QUANTITY SURVEYOR. Salary £1,000 per annum.

Applicants should be Corporate Members of the R.I.C.S. and should have considerable experience (preferably in Scotland) in Estimating, preparing Bills of Quantities, and settling Final Accounts of large contracts.

(2) ARCHITECT (PUBLIC BUILDINGS). Salary £540-£525 and £20-£760 per annum.

Applicants should be Corporate Members of the R.I.B.A. and an additional Town Planning qualification will be an advantage. They should have had experience of the design and construction of all types of public buildings appropriate to New Town development.

(3) (a) JUNIOR ASSISTANT, (b) JUNIOR ASSISTANT ENGINEER. Salary £380-£280 and £10-£490 per annum.

Applicants for 3 (a) and (b) should have passed at least the Intermediate examination of the appropriate professional body.

The posts will be superannuable under the Local Government (Scotland) Act, 1937, and successful candidates will be required to pass a medical examination.

Particulars of the assistance which the Corporation will give in securing housing accommodation will be given at the time of interview.

Canvassing, directly or indirectly, of members of the Corporation will constitute an absolute disqualification.

Applications, giving full particulars of the candidate's age, qualifications and experience, together with copies of not more than three recent testimonials, must reach the undersigned not later than 27th August, 1949.

J. N. ROGER,
Secretary, Glenrothes Development Corporation.

Anchmuty House, Markinch.

2nd August, 1949.

1796

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

Applications are invited for the appointments of TWO SENIOR ARCHITECTURAL ASSISTANTS, at a salary in accordance with Grade VI of the National Scale of Salaries.

Applicants must be registered Architects, with previous experience of the design of large modern schools, housing and general municipal work, and must be competent to undertake the preparation of working and detail drawings with the minimum of supervision.

Preference will be given to Associates of the Royal Institute of British Architects.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination. Applications, stating age, details of qualifications and experience, together with copies of three recent testimonials should be delivered to the undersigned in a sealed envelope endorsed "Senior Architectural Assistant," not later than 25th August, 1949.

Candidates should state whether they are related to any member or senior officer of the Council. Canvassing, either directly or indirectly, will disqualify.

Housing accommodation is not immediately available, but the Council will, if necessary, assist so far as they are able, the successful applicant to obtain accommodation, but it must be clearly understood that the Council do not guarantee to find either a house or living accommodation.

ARTHUR J. REEVES.

Town Clerk.

Town Hall, Peterborough.

26th July, 1949.

1755

AMENDED ADVERTISEMENT.

CITY OF COVENTRY. CITY ARCHITECTURAL DEPARTMENT. APPOINTMENT OF DEPUTY CITY ARCHITECT.

Applications are invited from suitably qualified persons for the appointment of Deputy City Architect, at a commencing salary of £1,005 per annum, rising by annual increments of £85, £100 and £110 to a maximum of £1,200 per annum. Applicants must have had extensive experience of the work undertaken in a City Architectural Department, and previous local government experience will be an advantage.

At present the City Architect is one of two Joint Planning Officers for the City. In October, 1949, he will be the sole Planning Officer and it is thought that a Deputy Planning Officer will be appointed to assist in this work.

The appointment will be terminable by three months' notice on either side, and will be subject to the Conditions of Service of the National Joint Council for Local Authorities' Administrative, etc., Services, as amended in favour of officers by decisions of the City Council.

The successful applicant will be required to pass a medical examination and to contribute on the statutory basis to the Superannuation Fund under the Local Government Superannuation Acts (as amended in regard to Annuities to Widows by the Coventry Corporation Act, 1936), and will be required to contribute to the Staff Widows' and Orphans' Pensions Fund.

Forms of application may be obtained from the undersigned and must be returned accompanied by not more than three recent testimonials not later than Saturday, the 3rd September, 1949.

Canvassing, directly or indirectly, will be considered a disqualification, and applicants should disclose any relationship within their knowledge to a member or senior officer of the Council.

CHARLES BARRATT.

Town Clerk.

Council House, Coventry.

10th August, 1949.

1707

CITY OF STOKE-ON-TRENT.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited from suitably qualified persons for the following appointments to the permanent staff—

(a) ASSISTANT ARCHITECTS. Salary A.P.T. Division, Grade VI, £298-£660.

(b) ASSISTANT QUANTITY SURVEYORS. Salary A.P.T. Division, Grade VI, £298-£660.

(c) ASSISTANT ARCHITECTS. Salary A.P.T. Division, Grade V, £280-£670.

(d) ASSISTANT ARCHITECTS. Salary A.P.T. Division, Grade III, £450-£495.

(e) ARCHITECTURAL ASSISTANTS. Salary A.P.T. Division, Grade I, £390-£435.

The selected applicants will be required to pass a medical examination, and the appointments will be subject to the usual conditions applicable to Local Government Service.

Previous experience of Local Government work is not essential.

Housing accommodation will be made available for married applicants in respect of posts (a) and (b).

Applications, giving date of birth, particulars of training and experience, etc., with copies of two recent testimonials, should be received by J. R. Pigott, F.R.I.B.A., City Architect, City Architect's Department, Kingsway, Stoke-on-Trent, endorsed with the title of the appointment applied for, not later than Wednesday, 24th August, 1949.

HARRY TAYLOR, Town Clerk.

Town Hall, Stoke-on-Trent.

30th July, 1949.

1740

BOROUGH OF NEWCASTLE-UNDER-LYME. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

CHIEF ARCHITECT.

Applications are invited for the appointment of Chief Architect, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade A.P.T. VII, of the National Scale, viz., £635-£225 to £710.

Housing accommodation will be provided if necessary. Car allowance in accordance with National Scale.

Candidates should be Members of the Royal Institute of British Architects and must have had sound experience in architectural design, particularly as applied to schools and public buildings generally.

The appointment will be subject to two months' notice on either side, the National Conditions of Service, and to the provisions of the Local Government Superannuation Act, 1937.

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

Further particulars regarding the duties of the appointments, together with a form of application, may be obtained from the Borough Engineer and Surveyor, Lancaster Building, High Street, Newcastle, Staffs.

Applications on the prescribed form and endorsed "Chief Architect" should be sent to the Borough Engineer and Surveyor not later than 22nd August, 1949.

Canvassing, directly or indirectly, will disqualify the candidate.

C. J. MORTON.

Town Clerk.

11th August, 1949.

METROPOLITAN BOROUGH OF WOOLWICH. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

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

(a) ARCHITECTURAL ASSISTANT, Grade V. Salary £520 per annum, rising to £570 per annum, plus London weighting.

(b) ARCHITECTURAL ASSISTANT, Grade II. Salary £420 per annum, rising to £465 per annum, plus London weighting.

The appointments will be subject to the Council's Conditions of Service in force from time to time, to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side. The selected candidates will be required to pass a medical examination.

Applicants for:—
(a) must have passed the Final Examination of the R.I.B.A., or have an equivalent qualification, and preferably have had experience in Architectural work, especially housing, undertaken by a local authority;

(b) should have had a good general training and experience, and preference will be given to those who have passed the Intermediate Examination of the R.I.B.A.

Applications, giving full details of age, qualifications and experience, should be forwarded, together with the names of three referees, to reach the undersigned by the 2nd September, 1949.

Candidates must disclose in writing if they are related to any member or senior officer of the Council. Canvassing members of the Council, either directly or indirectly, will disqualify.

DAVID JENKINS.

Town Clerk.

Town Hall, Woolwich, S.E.18.

4th August, 1949.

1812

LANCASHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

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

(a) SENIOR ASSISTANT ARCHITECTS, Grade VIII. Salary £685-£760.

(b) SENIOR ASSISTANT ARCHITECTS, Grade VII. Salary £635-£710.

(c) ASSISTANT ARCHITECTS, Grade VI. Salary £595-£660.

(d) ASSISTANT ARCHITECTS, Grade V. Salary £520-£570.

Applicants for the above posts should have passed, or attained the equivalent standard of, the R.I.B.A. Final Examination.

(e) JUNIOR ARCHITECTURAL ASSISTANTS, Grade III. Salary £450-£495.

Applicants for the above post should have passed, or attained the equivalent standard of, the R.I.B.A. Intermediate Examination.

(f) JUNIOR ARCHITECTURAL ASSISTANTS, Grade I. Salary £390-£435.

Promotion to higher grades in the case of (e) and (f) is accelerated on passing each stage of the examination of a recognized Professional Institute, and for assistants who show the required ability, as vacancies occur.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; to a satisfactory medical examination, and to the termination of each appointment by one month's notice in writing on either side.

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Saturday, 10th September, 1949.

R. H. ADCOCK.

Clerk of the County Council.

County Offices, Preston.

29th July, 1949.

1807

CITY OF COVENTRY.

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

(a) ONE ASSISTANT ARCHITECT. Salary on Grade A.P.T. VII, commencing at £635 per annum and rising to £710 per annum.

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

(c) ONE ASSISTANT ARCHITECT. Salary on Grade A.P.T. IV, commencing at £490 per annum and rising to £525 per annum.

Applicants for (a), (b) and (c) should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

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

Applicants should have passed the Intermediate Examination of the Royal Institute of British Architects.

(e) ONE ASSISTANT ARCHITECT. Salary on Grade A.P.T. II, commencing at £430 per annum and rising to £465 per annum.

(f) ONE ASSISTANT QUANTITY SURVEYOR. Salary on Grade A.P.T. III, commencing at £450 per annum and rising to £495 per annum.

(g) ONE ASSISTANT QUANTITY SURVEYOR. Salary on Grade A.P.T. II, commencing at £400 per annum and rising to £465 per annum.

(h) ONE HEATING AND VENTILATING ENGINEERING ASSISTANT. Salary on Grade A.P.T. V, commencing at £520 per annum and rising to £570 per annum.

Applicants should preferably be over 25 years of age and be Associate Members of the Institute of Heating and Ventilating Engineers.

(j) ONE HEATING AND VENTILATING ENGINEERING ASSISTANT. Salary on Grade A.P.T. III, commencing at £450 per annum and rising to £495 per annum.

Applicants should preferably be graduate members of the Institute of Heating and Ventilating Engineers.

In certain circumstances, housing accommodation may be made available for the successful applicants in the cases of (a), (b) and (h). Salary increments are subject to satisfactory service.

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

Applications for all the above appointments must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than 23rd August, 1949.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON.

City Architect.

1, Warwick Row, Coventry.

11th August, 1949.

1753

LANCASHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

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

SENIOR SECTION ARCHITECT (Education Branch). Grade X. Salary £860-£225-£960.

Applicants should be capable of a high standard of design, and have had experience of the control of staffs.

The successful applicant will be responsible for the supervision of four Section Architects and their staffs.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; to a satisfactory medical examination, and to the termination of each appointment by one month's notice in writing on either side.

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Saturday, 10th September, 1949.

R. H. ADCOCK.

Clerk of the County Council.

County Offices, Preston.

29th July, 1949.

1800

DUNDEE COLLEGE OF ART SCHOOL OF ARCHITECTURE.

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

Applicants should be members of the R.I.B.A. and should preferably be holders of a degree or diploma of a recognized School of Architecture.

Salary scales: men, £375 by £15 to £610; women, £350 by £15 to £480, with placing according to qualifications and experience.

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

G. R. HALL, Clerk and Treasurer.

Bell Street, Dundee.

4th August, 1949.

1837

COUNTY BOROUGH OF DARLINGTON. BOROUGH SURVEYOR'S DEPARTMENT. APPOINTMENT OF CHIEF TOWN PLANNING ASSISTANT.

Applications are invited for the appointment of a Chief Town Planning Assistant, at a salary in accordance with Grade A.P.T., VIII, of the National Scale of Salaries (£685, rising to £760 per annum).

Candidates must have had previous planning experience, and preference will be given to those holding the Diploma of the Town Planning Joint Examination Board or its equivalent.

A flat will be made available to the successful candidate if it is required.

Applications, endorsed "Chief Town Planning Assistant," and giving the names and addresses of three referees, should be delivered to the Town Clerk, 11, Houndgate, Darlington, not later than Friday, 9th September, 1949.

Canvassing, directly or indirectly, will disqualify.

H. HOPKINS,

Town Clerk.
1770

COUNTY BOROUGH OF MIDDLESBROUGH EDUCATION COMMITTEE. ARCHITECTS' DEPARTMENT.

Applications are invited for the following appointments on the permanent establishment:—

(a) ONE ASSISTANT ARCHITECT. A.P.T. Grade VI (salary £595-£660 per annum).

(b) TWO ASSISTANT ARCHITECTS. A.P.T. Division, Grade V (salary £550-£570 per annum). In respect of appointment (a) certain housing accommodation is being made available and can, if necessary, be provided by the Authority for the successful applicant.

Applicants for appointment (a) must be Associate of the Royal Institute of British Architects, with experience in the design and construction of school buildings, and capable of carrying out large contracts.

Applicants for appointment (b) should preferably be fully qualified architects, with experience in the design and construction of school buildings.

Forms of application (which should be returned not later than 9 a.m. on Thursday, 8th September, 1949), and conditions of service, may be obtained from the Director of Education, Education Offices, Woodlands Road, Middlesbrough.

E. C. FARR,

Town Clerk.
1804

BRIGHTON EDUCATION COMMITTEE. BRIGHTON TECHNICAL COLLEGE.

Principal: G. E. WATTS, M.A., Ph.D., B.Sc., F.R.I.C.

Applications are invited from qualified Architects as LECTURER IN ARCHITECTURAL SUBJECTS in Civil Engineering and Building Department. Professional experience desirable. Barnham Technical Scale of salary.

Forms of application and further particulars obtainable from the undersigned, to be returned to the Principal within 14 days.

W. G. STONE,

Education Officer.
Education Office, 54, Old Steine, Brighton. 1817

COUNTY OF LINCOLN—PARTS OF KESTON

COUNTY ARCHITECT'S DEPARTMENT.

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

(a) TWO SENIOR ASSISTANT ARCHITECTS. Grade A.P.T., VII (£635-£710 per annum).

(b) ONE ASSISTANT ARCHITECT. Grade A.P.T., V and VI (£520-£515-£200-£25-£660 per annum).

Applicants must have had good experience in architectural procedure, the design and construction of schools and other public buildings, and must be Associates of the R.I.B.A.

(c) ONE CLERK OF WORKS. Grade A.P.T., II (£420-£415 to £465 per annum).

Applicants must have a thorough knowledge of all building trades, and be able to prepare schedules and estimates of works applicable to the maintenance and repairs, etc., of County buildings.

(d) ONE CHIEF CLERK. Grade A.P.T., IV (£480-£415 to £525 per annum).

Applicants must have had considerable clerical experience, and preference will be given to candidates with experience in an Architect's Department.

All appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and to satisfactory medical certificates. Appointments (a) are subject to three months' notice, and appointments (b), (c) and (d) to one month's notice in writing on either side.

Commencing salary will be according to experience. A lodging allowance of 30s. per week up to a maximum of six months will be paid to married men where difficulty is found in obtaining housing accommodation. Car and subsistence allowances will be paid on the National Scales in respect of appointments (a), (b) and (c).

Forms of application may be obtained from the undersigned, to whom applications, with copies of two recent testimonials or the names and addresses of two referees, should be sent not later than 1st September, 1949. Canvassing, either directly or indirectly, will disqualify.

J. E. BLOW,

Clerk of the County Council.
County Offices, Sleaford, Lincs. 1855
8th August, 1949.

KENT EDUCATION COMMITTEE. BROMLEY DIVISION. BROMLEY COLLEGE OF ART DEPARTMENT OF BUILDING.

Required in September Part-time EVENING LECTURERS in Building Construction.

Applicants should possess professional qualifications and have a wide experience of modern framed construction. Remuneration in accordance with the Committee's scale, plus travelling expenses.

Applications by letter giving full particulars to: Head of Department of Building, Wharton Road, Bromley, Kent. 1835

BOROUGH OF CHELMSFORD. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment, the salary being in accordance with A.P.T., Grade III (£450-£495 per annum).

Applicants should be suitably qualified and have had experience on housing work. The appointment is subject to the Local Government Superannuation Act, 1937, and is terminable on the expiration of one month's notice on either side. The successful applicant will be required to pass a medical examination.

Applications, suitably endorsed, giving details of qualifications, experience, appointments held (with salary), and giving the names and addresses of two referees, are to reach the undersigned by noon, Wednesday, 31st August, 1949.

VINCENT J. WILLIS, M.I.Mun.E., F.R.San.I.

Borough Engineer, Surveyor, and Architect.

Municipal Offices, Duke Street, Chelmsford. 1832
5th August, 1949.

HUYTON-WITH-ROBY URBAN DISTRICT COUNCIL.

Applications are invited for the following established appointments in the Engineer and Surveyor's Department:—

(a) GENERAL ENGINEERING ASSISTANTS (TWO). Salary in accordance with A.P.T., Grades II (£420-£465-III (£450-£495), according to experience and qualifications. Candidates should hold either Associate Membership of the Institution of Civil Engineers, Testamur of the Institution of Municipal Engineers, or a University Degree in Engineering, and have had experience in a municipal engineer's office.

(b) GENERAL ARCHITECTURAL ASSISTANTS (TWO). Salary in accordance with A.P.T., Grades II-III, according to experience and qualifications. Candidates should be up to the standard of the Intermediate examination of the R.I.B.A. and have had experience in municipal architectural and housing work.

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

Housing accommodation will be made available if necessary.

Applications, stating age, qualifications, details of experience, present and past appointments, with the names and addresses of two persons to whom reference may be made, should reach the undersigned not later than the 10th September, 1949.

Canvassing will be disqualify.

H. E. H. LAWTON,

Clerk of the Council.
Council Offices, Derby Road, Huyton. 1831
August, 1949.

UNIVERSITY OF GLASGOW.

Applications are invited for appointment as TECHNICAL AND ADMINISTRATIVE ASSISTANT.

The person appointed will assist the Assistant Secretary of the University Court, who is responsible for the administration of the Building Programme and Works.

Salary range £600 to £800. Initial salary according to qualifications and experience. Superannuation, etc.

Applications (5 copies) should be lodged not later than 14th September, 1949, with the undersigned, from whom further particulars may be obtained.

Secretary of the University Court.

1857

CITY OF CARDIFF.

CITY SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of ASSISTANT ARCHITECT (Education). Salary in accordance with the National Scales of Salaries, A.P.T., Grade IX.

Applicants must possess experience in the design and maintenance of all types of Educational Buildings, be fully conversant with the Regulations of the Education Act, 1944, and have had experience of Administrative work.

Applicants must be Associates of the R.I.B.A. The Council will assist in finding housing accommodation for the successful applicant who is married and has children.

Details of conditions and duties may be obtained from the City Surveyor, City Hall, Cardiff.

Applications, endorsed "Assistant Architect (Education)," together with the names of three persons to whom reference may be made, should be delivered to the undersigned not later than 29th August, 1949.

(Sgd.) S. TAPPER-JONES.

Town Clerk.
City Hall, Cardiff. 1820
6th August, 1949.

CAMBRIDGESHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

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

(a) ONE DEPUTY COUNTY ARCHITECT. Grade IX. £750-£850-£900.

(b) ONE ASSISTANT ARCHITECT. Grade VI. £535-£220-£200-£225-£660.

(c) ONE ARCHITECTURAL ASSISTANT. Grade IV. £480-£15-£525.

(d) ONE ARCHITECTURAL ASSISTANT. Grade III. £450-£15-£495.

(e) ONE ARCHITECTURAL ASSISTANT. M.D.I. £315-£15-£360.

Applicants for appointments (a) and (b) should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications, and have had good general experience in design and construction of Local Authority works.

Applications for (a) to be made on special forms to be obtained from the County Architect, Shire Hall, Castle Hill, Cambridge.

Applicants for (c), (d) and (e) should have a good general knowledge of construction and details.

The above appointments will be (a) subject to three months' notice on either side, and (b), (c), (d) and (e) one month's notice, and all appointments will be subject to the provisions of the Local Government Superannuation Acts, 1937 and 1939.

The selected applicants will be required to pass a medical examination. Canvassing will disqualify, and applicants must disclose whether to their knowledge they are related to any member of the Council or to the holder of any senior office under the Council.

Applications, stating age, qualifications, previous and present appointments and salaries, full details of experience, and the earliest date when available, together with copy of one recent testimonial and the names of two referees, should be sent to the undersigned on or before 10 a.m. on Saturday, the 3rd September, 1949.

CHARLES PHYTHIAN,

Clerk of the County Council.

Shire Hall, Cambridge. 1823
5th August, 1949.

BEDFORDSHIRE COUNTY COUNCIL.

Applications are invited for established posts in the Departments of the County Architect:—

ASSISTANT ARCHITECT. A.P.T., Grade VI (Salary £595-£660).

ASSISTANT ARCHITECT. A.P.T., Grade IV (Salary £480-£525).

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

Candidates must be suitably qualified and have experience equivalent to the grading of the post.

Application forms and further particulars to be obtained from the County Architect, Shire Hall, Bedford.

Successful candidates, who need housing accommodation, will be eligible for flats under the County Scheme as soon as these are available, and a subsistence allowance will be paid to married men awaiting accommodation and who are compelled to maintain another home.

Applications to be received by the undersigned on or before 31st August, 1949.

J. B. GRAHAM,

Clerk of the County Council.

Shire Hall, Bedford. 1854
6th August, 1949.

COUNTY FERMANAGH EDUCATION COMMITTEE.

Applications are invited for the following appointments in the department of the Committee's Architect:—

(1) ARCHITECTURAL ASSISTANT. Salary will be in the range £400 to £600 per annum, including bonus.

Applicants should have a sound knowledge of design and construction, and be capable of preparing working drawings, and should preferably have reached the Intermediate R.I.B.A. standard at least, and should have had 5 years' practical experience. Experience in school design and construction will be an additional recommendation.

(2) CLERK OF WORKS. Salary will be in the range £400 to £500 per annum, including bonus.

Applicants should have had sound comprehensive experience in the maintenance of buildings, etc., and in the supervision of new work, and must be able to prepare reports, specifications and estimates for normal maintenance and remodelling work.

The successful applicant will be required to provide a car for his work, and travelling allowance in accordance with the Civil Service Scales will be paid.

The actual salary within the above salary ranges will be determined in each case, according to the qualifications and experience of the persons appointed.

The appointments, which are pensionable, are subject to the approval of the Ministry of Education, Northern Ireland.

One month's notice in writing on either side will be required to terminate either appointment.

Preference will be given to ex-Service applicants, provided the Committee is satisfied that the successful candidate can, or within reasonable time, will be able to fill the vacant post efficiently.

Forms of application may be obtained from the undersigned, with whom applications must be lodged not later than 10th September, 1949.

J. MALONE,

Chief Education Officer.
Education Office, Enniskillen, N. Ireland. 1843

**CITY OF OXFORD.
CITY ARCHITECT AND PLANNING
OFFICER'S DEPARTMENT.**

Applications are invited for the undermentioned posts on the Staff of the City Architect and Planning Officer's Department:—
ASSISTANT ARCHITECT. Grade Va, A.P.T. Division. Permanent. Salary £550×£20—£610 per annum.

The successful applicant will be required to carry out work on Schools and Public Buildings, and should be an Associate of the Royal Institute of British Architects.

SENIOR PLANNING ASSISTANT. Grade Va, A.P.T. Division. Permanent. Salary £550×£20—£610 per annum.

The successful applicant will be required to carry out work in connection with the preparation of the Development Plan and planning administration in the City, and should preferably have passed the Final Examination of the Town Planning Institute.

Housing accommodation, if required, will be made available by the Council for the successful applicants for the above-mentioned posts.

ARCHITECTURAL ASSISTANT. Grade III-IV, A.P.T. Division. Permanent. Salary £450×£15—£525 per annum.

The successful applicant will be required to carry out varied architectural duties on Schools, Housing and Public Buildings. Preference will be given to applicants who have passed the Intermediate Examination of the Royal Institute of British Architects.

ASSISTANT SURVEYOR (Quantities and Accounts). Grade III, A.P.T. Division. Permanent. Salary £450×£15—£495 per annum.

The successful applicant will be required to assist, with others, in the Quantities and Accounts Section of the Department, and should have had experience in taking off Quantities, Site Measurement, Valuations for Certificates, Adjustment of Variations and Final Accounts. Preference will be given to applicants who are studying for membership of the Royal Institution of Chartered Surveyors (Quantities).

TWO ARCHITECTURAL ASSISTANTS. Grade I, A.P.T. Division. Permanent. Salary £390×£15—£435 per annum.

The successful applicants will be required to carry out work on Schools, Housing and Public Buildings, under supervision, and skilful and speedy draughtsmanship will be required.

CLERK OF WORKS. Grade I, A.P.T. Division. Temporary. Salary £435 per annum.

The successful applicant, who must be suitably qualified, will be required to supervise Housing and/or School building works.

The appointments will be subject to the National Conditions of Service, the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Further details of the duties and Application Forms, which must be used in applying for the posts, may be obtained from E. G. Chandler, A.R.I.B.A., A.M.T.P.I., City Architect and Planning Officer, Town Hall, Oxford.

Applicants must clearly state for which post they wish to apply when writing for Forms, and these Forms must be returned to the City Architect and Planning Officer not later than Monday, the 29th August, 1949.

HARRY PLOWMAN,

Town Clerk.
1856

Required, for Civil Engineer's Office in London, JUNIOR and SENIOR ARCHITECTURAL ASSISTANTS. Salary according to age, qualifications and experience, up to £11 per week. Apply in writing, giving full particulars, to Box 1850.

**BERKSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT.**

Applications are invited for above appointment on a salary commencing within the range of £1,460-£1,750, subject to adjustment when the findings of the Negotiating Committee on Chief Officers' salaries are known.

The department is responsible for maintenance and erection of all County Council buildings, schools and police premises.

Applicants should be Members of the R.I.B.A. with good architectural experience covering a wide field and the ability to organize and manage staff engaged on a rapidly expanding programme.

Further particulars regarding the appointment and an application form can be obtained on receipt of a stamped addressed envelope from the undersigned, to whom applications for the appointment should be delivered by not later than Thursday, 15th September, 1949.

H. J. C. NEOBARD,

Clerk of the Council.

Shire Hall, Reading. 1833

NORTH RIDING EDUCATION COMMITTEE.

Applications are invited from men with suitable qualifications and experience for the post of ARCHITECT to the Education Committee. Salary £1,100 a year. The post is subject to the Local Government Superannuation Act.

Motor car, travelling and subsistence allowances in accordance with the County Council's scale.

For further particulars and application form send stamped addressed foolscap envelope. Closing date for receipt of applications, 3rd September, 1949. Canvassing, directly or indirectly, disqualifies.

P. BARRACLOUGH, Secretary.
Education Offices, County Hall,
Northallerton. 1825

**COUNTY BOROUGH OF EAST HAM.
ARCHITECTURAL ASSISTANT (GRADE
A.P.T. V).**

Applications are invited for the post of Architectural Assistant (Grade A.P.T. V) in the Borough Engineer's Department. Salary £520-2×£15—£20—£570 per annum, plus the appropriate London weighting in force from time to time. A salary in excess of the minimum of the grade may be paid according to the qualifications and experience of the successful candidate.

The Council will be prepared to consider an application for a subsistence allowance in an appropriate case from the person appointed should he be unable to obtain suitable housing accommodation.

Full particulars of the duties, terms and conditions of appointment and form of application (which must be returned by Monday, the 5th September, 1949) may be obtained from the undersigned. Canvassing in any form will disqualify.

H. A. EDWARDS,

Town Clerk.

Town Hall, East Ham, E.6.

August, 1949. 1849

**URBAN DISTRICT COUNCIL OF ENFIELD.
APPOINTMENT OF ARCHITECTURAL
ASSISTANTS.**

Applications are invited for the appointment of Architectural Assistants (Two). Candidates should have good general experience, of which housing will be an advantage.

The salary will be in accordance with Grade V (£520 to £570) of the A.P.T. Division, and will be plus the London weighting of £30.

The appointment will be subject to:—

(1) The Conditions of Service adopted by the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, and the Council's General Conditions of Service relating to permanent staff as made from time to time.

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

(3) The passing of a medical examination.

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

The Council will, if necessary, consider the provision of housing accommodation.

Forms of application may be obtained from Mr. Frank Lee, Assoc.M.Inst. C.E., F.S.I., Engineer and Surveyor, 7, Little Park Gardens, Enfield, and should be returned to the undersigned on or before the 27th August, 1949, in an envelope endorsed "Architectural Assistant, Grade V."

Candidates must state whether they are related to any member or officer of the Council.

Canvassing will disqualify.

CYRIL E. C. R. PLATTEN,

Clerk of the Council.

Public Offices, Enfield.

July, 1949. 1845

**BOROUGH COUNCIL OF ENNISKILLEN.
APPOINTMENT OF ARCHITECTURAL STAFF.**

The Borough Council of Enniskillen invites applications for the following posts in the Architectural and Planning Department:—

(1) ONE ASSISTANT ARCHITECT AND PLANNING OFFICER. The consolidated salary of the successful candidate will be fixed within the range of from £400 to £600 per annum, according to qualifications and experience.

(2) ONE ARCHITECTURAL ASSISTANT. Candidates must be good Draughtsmen, and preference will be given to candidates who have passed the Intermediate Examination of the R.I.B.A. or other equivalent qualification. A knowledge of surveying is also required. The consolidated salary of the successful candidate will be fixed within the range of from £350 to £450 per annum, according to qualifications and experience.

The appointments will be on a temporary basis and may be terminated at any time by one month's notice in writing on either side. Preference will be given to suitably qualified experienced persons.

Applications, stating age and giving full particulars of qualifications and experience, together with copies of two recent testimonials, to be delivered to the undersigned not later than 12 noon on Saturday, 3rd September, 1949.

NOBLE J. CONNOR,

Town Clerk.

Town Clerk's Office, Town Hall,

Enniskillen, Northern Ireland.

4th August, 1949. 1841

**CITY AND COUNTY OF THE CITY OF
LINCOLN.
CITY HOUSING ARCHITECT'S
DEPARTMENT.**

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the City Housing Architect's Department. Salary Grade IV, A.P. and T. Division of the National Scale of Salaries (£480×£15—£525).

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

Applications, stating age and experience, together with the names of two persons to whom reference may be made, should be delivered to the City Housing Architect, Stamp End, Lincoln, not later than Wednesday, the 31st August, 1949.

Canvassing, either directly or indirectly, will disqualify.

J. H. SMITH,

Town Clerk.

Town Clerk's Office, Lincoln.

August, 1949. 1853

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

Applications are invited for the following appointments:—

(a) SENIOR ARCHITECTURAL ASSISTANT. Grade VI, £595-£660. Applicants should be Associates of R.I.B.A. and have had good general architectural experience.

(b) QUANTITY SURVEYOR. Grade VI, £595-£660. Applicants should be Associates of the R.I.C.S., with good general experience of preparation Bills of Quantities and settlement of Final Accounts.

(c) ARCHITECTURAL ASSISTANT. Grade V, £520-£570. Applicants should be Associates of R.I.B.A.

(d) SENIOR TOWN PLANNING ASSISTANT. Grade VI, £595-£660. Applicants should be Associates of the Town Planning Institute, and should have experience of making basic surveys, etc.

(e) QUANTITY SURVEYOR'S ASSISTANT. Grade II, £420-£465. Applicants should have experience in measuring, checking and preparing final accounts.

Housing accommodation will be provided if considered necessary.

Applications on forms to be obtained from the Borough Surveyor, Mr. D. M. O'Herlihy, B.Sc.(Eng.), M.I.C.E., Howard Street, North Shields, together with copies of not more than three recent testimonials, should be addressed to the Borough Surveyor, to arrive by 10 a.m. on the 3rd day of September, 1949.

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

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

Dated this 5th day of August, 1949.

(Sgd.) FRED. G. EGNER.

Town Clerk.

14, Northumberland Square, North Shields. 1844

**MERIONETH COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.**

Applications are invited for the appointment of ASSISTANT COUNTY PLANNING OFFICER, at a salary in accordance with Grade VI (£595-£660) of the National Joint Council's Scale.

Applicants must be Corporate Members of the Town Planning Institute (by examination) and possess one of the following additional qualifications:—University Degree or Diploma in Architecture; Surveying or Engineering or Corporate Membership (by examination) of the Institution of Civil Engineers; Royal Institution of British Architects; Royal Institution of Chartered Surveyors or Institute of Municipal Engineers.

They must also have a wide experience in all matters appertaining to planning a large Rural Area.

The County of Merioneth includes a considerable area of a suggested National Park and the appointment offers special opportunities in this field. An appreciation of the planning problems appertaining to such an area, with good experience of architectural building control, is desirable.

The successful applicant must be prepared to run a motor car for official purposes, and for which a travelling allowance will be paid.

The salary is consolidated, and the appointment will be subject to the terms and conditions of service applying to the administrative, technical and clerical officers of the County Council. The appointment will be terminable at the end of any month by one month's notice in writing on either side. The successful applicant will be required to pass a medical examination and will be subject to the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, present position and salary, previous appointments held, and full details of experience, accompanied by copies of two recent testimonials, are to be sent to the undersigned not later than Saturday, 3rd September, 1949.

HUGH J. OWEN,

Clerk of the County Council.

County Offices, Dolgelly, Merioneth.

6th August, 1949. 1871

**COUNCIL OF THE COUNTY OF ABERDEEN.
COUNTY PLANNING OFFICER.**

Applications are invited for the post of County Planning Officer. Applicants must hold recognized qualifications in Town and Country Planning.

The salary scale is £1,200 per annum, rising by annual increments of £50 to £1,500 per annum. Placing on the scale may be granted as determined by the Council. The appointment is subject to the Local Government Superannuation (Scotland) Act, 1937, and the successful applicant will require to submit to, and pass, a medical examination. Forms of application and conditions relating to the appointment may be obtained from the undersigned, with whom completed application forms should be lodged not later than 10 a.m. on Monday, 6th September, 1949.

Canvassing of members of the Council, directly or indirectly, in connection with the appointment will disqualify the candidate.

CHAS. HORNAL,

County Clerk.

County Buildings, 22, Union Terrace,

Aberdeen.

4th August, 1949. 1844

HIS MAJESTY'S COLONIAL SERVICE.

A vacancy exists in the Colonial Engineering Service for a SENIOR TOWN PLANNING OFFICER, in the Lands and Mines Department, Tanganyika. Salary in the scale £655 to £1,320 per annum, point of entry depending on age, qualifications and experience. Candidates, who must be British subjects, physically fit and between the ages of 30 and 35, must be Associate Members of the Town Planning Institute, and have either Civil Engineering or Architectural qualifications. They should possess knowledge of town planning legislation. The Officer appointed will be required to undertake all work in connection with preparation of Civil Surveys and Town Planning Schemes, and act as Deputy to the Chief Town Planning Officer. The appointment will be on probation for permanent and pensionable employment.

Terms of service include free 1st class passages each way each tour for the Officer, his wife and children (up to a maximum of 3 adult passages). Furnished government quarters, if available, at a rent of 10 per cent. of salary. Home leave on full pay after tours of two to three years at the rate of 5 days per month of resident service.

Intending candidates should write at once for forms of application to the Director of Recruitment, Colonial Office, Sanctuary Buildings, Gt. Smith Street, London, S.W.1, quoting reference No. 27281/22A. 1872

BOROUGH OF WHITEHAVEN. ARCHITECTURAL ASSISTANT.

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

The salary will be in accordance with A.P.T., Grade IV, of the National Scales (£480 to £525 per annum). Applications, stating age, qualifications and experience, together with the names and addresses of two referees, should be addressed to the undersigned not later than Wednesday, the 31st August, 1949.

A house will be available for the successful applicant.

A. D. VICKERMAN,
Town Clerk.

Town Hall, Whitehaven.
8th August, 1949. 1864

COUNTY BOROUGH OF WEST HARTLEPOOL. APPOINTMENT OF ASSISTANT QUANTITY SURVEYOR (GRADE A.P.T., III).

Applications are invited for the appointment of Assistant Quantity Surveyor, in the Borough Architectural Department, at Grade A.P.T., III (£460-£495) of the National Scales of Salaries. The appointment is subject to the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services (with the exception of paragraph 39) and the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications, previous and present appointments, details of experience, together with copies of recent testimonials, are to be sent to S. M. Richmond, F.R.I.B.A., A.M.T.P.I., Borough Architect, Municipal Buildings, West Hartlepool, not later than Saturday, 3rd September, 1949.

The Council are prepared to consider the allocation of housing accommodation to the successful applicant if required.

ERIC J. WAGGOTT,
Town Clerk.

Municipal Buildings, West Hartlepool.
August, 1949. 1868

METROPOLITAN BOROUGH OF SOUTHWARK. PERMANENT APPOINTMENTS—BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited from suitably qualified persons for the following appointments:—

(a) ONE ARCHITECTURAL ASSISTANT. A.P.T. V or Va, £550-£600 or £580-£640 (£10 less if under 26).

(b) TWO ARCHITECTURAL ASSISTANTS. A.P.T. V or Va, £550-£600 or £580-£640 (£10 less if under 26).

(c) ONE JUNIOR ARCHITECTURAL ASSISTANT. A.P.T., III, £480-£525 (£10 less if under 26).

Appointments (b) and (c) are required to fill vacancies in design groups engaged on the preparation of new housing schemes.

Appointment (a) is required for work in connection with the alteration and improvement of public buildings.

The appointments are subject to the Council's Conditions of Service, to the provisions of the Shoreditch and Other Metropolitan Borough Councils' (Superannuation) Act, 1922-37, to the passing of a medical examination and to one month's notice on either side.

Applications should be made on forms obtainable from me and returned not later than the first post on Monday, 19th September, 1949.

The Council is not in a position to provide housing accommodation for successful applicants. Canvassing in any form will disqualify.

D. T. GRIFFITHS,
Town Clerk.

Town Hall, Walworth Road, S.E.17.
4th August, 1949. 1881

DERBYSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the under-mentioned appointments on the permanent staff. Conditions of service and salaries are in accordance with the National Joint Council Scheme for Local Authorities, as adopted by the County Council.

TWO ASSISTANT COUNTY ARCHITECTS.
(a) Grade X, £850×£50 to £1,000 per annum. Applicants must be fully qualified by examination, be good administrators, and experienced in the design and construction of School Buildings.

SENIOR ARCHITECTS.
(b) Grade IX, £750×£50 to £900 per annum. Applicants must be fully qualified by examination, and have had experience in the design and construction of any of the types of Buildings in connection with New Schools, Police, Fire Stations, Smallholdings, and general work on County Buildings.

SENIOR ASSISTANT ARCHITECTS.
(c) Grade VIII, £685×£25 to £750 per annum.
(d) Grade VII, £635×£25 to £710 per annum.

Applicants must be fully qualified by examination and be experienced in work connected with County Buildings and in particular New Schools.

(e) Grade VI, £595×£20 (2) and £25 (1) to £660 per annum.

Applicants must be suitably qualified, and have had good experience, particularly in connection with School Buildings, Fire Stations or Smallholdings.

ASSISTANT ARCHITECTS.
(f) Grade V, £520×£15 (2) and £20 (1) to £570 per annum.

(g) Grade IV, £480×£15 to £525 per annum.

JUNIOR ASSISTANT ARCHITECTS.
(h) Grade III, £450×£15 to £495 per annum. Applicants must have had a good general architectural experience, preferably on Education Buildings.

ASSISTANT CONSTRUCTIONAL ENGINEERS.
(i) Grade IV, £480×£15 to £525 per annum. Applicants must be experienced in the preparation of design calculations and details for steel and/or reinforced concrete framed structures, and must have a sound knowledge of building construction and be neat and competent draughtsmen.

CLERKS OF WORKS.
(j) Grade IV, £480×£15 to £525 per annum. Applicants must have had a practical training, possess a sound knowledge of all building trades, be competent to prepare reports, etc., supervise the erection of new buildings, and maintenance repairs of all County Property.

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

The appointments are such as could be undertaken by suitable registered disabled persons. Canvassing members of the Council, directly or indirectly, will be a disqualification for appointment.

Applications to be made on a form to be obtained from the undersigned, to whom it must be returned, accompanied by copies of three recent testimonials, not later than 2nd September, 1949.

Envelopes and applications must be endorsed, stating clearly the vacancy for which the application is made.

F. HAMER CROSSLEY, Dipl.Arch.,
A.R.I.B.A.,
County Architect.

St. Mary's Gate, Derby.
18th August, 1949. 1873

RHONDDA URBAN DISTRICT COUNCIL. HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the Department of the Council's Housing Architect:—

(a) QUANTITY SURVEYOR. A.P.T., Grade VI (£595×£20/£25—£660).

(b) ASSISTANT ARCHITECT. A.P.T., Grade V (£520×£15/£20—£570).

(c) ASSISTANT ARCHITECT. A.P.T., Grade IV (£480×£15—£525).

(d) ASSISTANT SURVEYOR. A.P.T., Grade IV (£480×£15—£525).

Applicants for post (a) should have experience in the preparation of estimates, Bills of Quantities, interim valuations, and the settlement of final accounts. Preference will be given to Associates of the R.I.C.S. (Quantities Division).

Applicants for posts (b) and (c) need not have had previous Local Government experience, but preference will be given to Associates and Students of the R.I.B.A.

Applicants for post (d) should have experience in surveying and levelling and the preparation of plans for roads and sewers. Preference will be given to candidates holding a recognized technical qualification.

The appointments will be terminable by one month's notice on either side and subject to the National Scheme of Conditions of Service.

The appointments are subject to the Local Government Superannuation Act, 1937, and the successful applicants must undergo a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of two recent testimonials, to be delivered to the undersigned not later than Wednesday, the 31st August, 1949.

D. J. JONES,
Clerk of the Council.

Council Offices, Pentre, Rhondda. 1883

CORPORATION OF GLASGOW.

HOUSING DEPARTMENT.
ASSISTANT ARCHITECTS.
Salary scales: A.P.T., V, £520-£570.
" " III, £450-£495.
" " I, £390-£435.

Applications are invited for appointments to the Architectural Staff of the Department, at salaries in accordance with the above existing scales. Placing on these scales will be according to age and experience.

Intending applicants should have passed the Final Examination of the Royal Institute of British Architects, or should hold other equivalent qualifications.

The appointments will be to the Permanent Establishment of the Department, and are subject to the provisions of the Corporation's Superannuation Scheme. Successful applicants will require to pass a medical examination.

The appointments are terminable on either side by one month's notice in writing.

Applications, stating age, particulars of training, experience and qualifications, should be addressed to the undersigned, and should be received within 14 days of the publication of this advertisement.

A. G. JURY,
Director of Housing.
Housing Department, 20, Trongate,
Glasgow, C.I. 1876

COUNTY COUNCIL OF PERTH. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the post of ARCHITECTURAL ASSISTANT on Housing. Salary scale £520 to £570 (A.P.T., V). Applicants should have considerable experience, preferably in the office of a Local Authority, in the erection of Council houses, and should be able to take charge of building projects.

The appointment will be subject to the Local Government Superannuation (Scotland) Act, 1937. Applications, giving particulars of age, qualifications and experience, and accompanied by copies of not more than three recent testimonials, should be lodged with the County Clerk, County Offices, York Place, Perth, not later than 5th September.

A. L. BUSHNELL,
County Clerk.

County Offices, York Place, Perth.
5th August, 1949. 1819

NANTWICH URBAN DISTRICT COUNCIL. APPOINTMENT OF JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Junior Architectural Assistant in the Engineer and Surveyor's Department. The appointment will be for approximately 18 months, and the applicant will be engaged upon Housing and the erection of a new Public Hall.

The provisions of the Local Government Superannuation Act, 1937, and the National Joint Council Scheme and Conditions of Service will apply. The appointment will be subject to one month's notice on either side. The salary will be in accordance with Grades A.P.T., I and II (ranging from £390 to £465), according to experience and capabilities.

Applications to be sent in to Mr. E. H. Bailey, Engineer and Surveyor, Brookfield House, Nantwich, stating age, experience, married or single, together with copies of two recent testimonials, not later than 31st August, 1949.

D. T. EVANS,
Clerk of the Council.

5th August, 1949. 1838

NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.

PROPOSED ERECTION OF A PATHOLOGICAL INSTITUTE AT NEWCASTLE GENERAL HOSPITAL.

The Board desires to appoint a practising ARCHITECT (or firm of Architects) to act on its behalf in connection with the above project.

Sketch Plans have been prepared by the Chief Architect to the Ministry of Health, and the practising Architect appointed will be required to carry the project forward from that stage to its final completion.

The proposed building is intended to accommodate on three floors and basement:—

(i) The Regional Blood Transfusion Service,
(ii) The Pathological and the Mortuary and Post Mortem Departments of the Newcastle General Hospital.

(iii) The Pathological Laboratory of the Medical Research Council in the Newcastle area.

and the total floor area will be approximately 54,700 sq. ft.

Architects who are willing to receive an invitation to act should forward to the undersigned, by not later than 31st August, 1949, particulars of their special qualifications for carrying out this project, and if not practising within 100 miles of Newcastle, are desired to suggest by what means they would propose to ensure constant supervision of erection and ready liaison with the officers of the Board in Newcastle and of the Medical Research Council in London.

Details of the Board's administrative procedure for architectural projects, including *inter alia*, committee organization and arrangements for consultation with the appropriate officers of the Hospital Management Committee and the Regional Hospital Board, may be obtained from the undersigned.

E. B. JENKINS,
Secretary.

"Dunira," Osborne Road,
Newcastle-upon-Tyne, 2.
4th August, 1949. 1862

BOROUGH OF MAIDENHEAD.

CHIEF ARCHITECTURAL ASSISTANT.

Applications are invited for the position of CHIEF ARCHITECTURAL ASSISTANT in the Borough Engineer and Surveyor's Department, Grades VI/VII (salary scale £595-£710).

Applicants must be Registered Architects and should preferably be Associates of the R.I.B.A. They must have had wide general experience of the design of buildings, and preference will be given to those who have had previous municipal experience.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, to the National Joint Council's Scheme of Conditions of Service, and to a satisfactory medical examination.

Applications, stating age, qualifications and full details of experience, together with copies of three recent testimonials, must be delivered to me not later than 3rd September, 1949, in envelopes endorsed "Chief Architectural Assistant." Canvassing, directly or indirectly, will be a disqualification.

The Council will be in a position to offer housing accommodation to the person appointed. **STANLEY PLATT, Town Clerk.**

Guildhall, Maidenhead.
August, 1949.

COUNTY BOROUGH OF BOLTON.

HOUSING DEPARTMENT.

Applications are invited for the following permanent posts in the Housing Department:—

(a) SENIOR ARCHITECT.

Salary A.P.T., Grade VII, viz., £635, rising to £710 per annum.

Applicants must be Members of the R.I.B.A. or hold similar qualifications, and must have had experience in the planning, design and construction of housing estates.

(b) ASSISTANT SURVEYOR.

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

Applicants must be experienced in surveying, contouring, housing estates layout, and road and sewer works.

Preference will be given to candidates who possess qualifications of the R.I.C.S. or Inst. of Mun.E.

The appointments will be superannuable, and the persons appointed will be required to pass a medical examination.

Applications, stating age, qualifications, present salary, and details of experience, and accompanied by copies of two recent testimonials, should be sent to the undersigned, appropriately endorsed, not later than the 1st September, 1949.

PHILIP S. KENNISON, Town Clerk.
Town Hall, Bolton.

SUDAN GOVERNMENT.

The Public Works Department requires a DISTRICT ENGINEER, aged 24 to 36, for service in the Sudan. The duties consist of the organization and control of the construction and maintenance of buildings, roads and other works. Candidates should be Corporate Members of the Institution of Civil Engineers or hold qualifications exempting them from Parts A and B of the Institution's associate membership examination or be Associates of the Royal Institute of British Architects.

Appointment will be on short term contract on a salary scale £E.600 to £E.900.

Cost-of-living allowance, varying between £E.180 and £E.390 per annum, according to the number of dependents, is at present payable, and, subject to certain limitations, an outfit allowance of £E.60 is payable on appointment. There is at present no income tax in the Sudan. Free passage on appointment. Full particulars and general information may be obtained on application to: Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1. Please mark envelope "District Engineer, P.W.D." 1890

BOROUGH OF MALDEN AND COOMBE.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT (MALE OR FEMALE), GRADE I, A.P.T.
Applications are invited for the above-mentioned appointment, at a salary of £390×£15-£435 per annum, plus London weighting.

Applicants should have had good general experience and be competent draughtsmen. Preference will be given to those engaged upon a course of training leading to a recognized architectural qualification.

The appointment, which is to the permanent staff, will be terminable by one month's notice on either side, and is subject to the National Scheme of Conditions of Service.

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

Applications, giving details of age, experience, present and past appointments, with designations and salaries, and enclosing copies of two recent testimonials, should be addressed to reach the undersigned not later than 2nd September, 1949.

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

HAROLD E. BARRETT, Town Clerk.

Municipal Offices, New Malden, Surrey. 1899

CITY OF PLYMOUTH.

CITY ENGINEER'S DEPARTMENT.
APPOINTMENT OF TECHNICAL STAFF.
Applications are invited for the following appointments:—

ENGINEERING.

(a) SENIOR ASSISTANT ENGINEER, Grade A.P.T., VI (£595-£660).

Candidates should be Corporate Members of one or more of the recognized professional institutions, and should have had a good general experience in the design and construction of municipal engineering works.

(b) ENGINEERING ASSISTANT, Grade A.P.T., V (£530-£570).

Candidates should have had good general experience of the work of a Municipal Engineer's office. Some architectural experience and first-class knowledge of building construction is desirable.

(c) JUNIOR ENGINEERING ASSISTANT, Grade A.P.T., III (£450-£495).

(d) JUNIOR ENGINEERING ASSISTANT, Grade A.P.T., II (£420-£465).

Candidates for appointments (c) and (d) should have received suitable training in Civil or Municipal engineering.

PLANNING.

(e) SENIOR PLANNING ASSISTANT, Grade A.P.T., VI (£595-£660).

Candidates should be suitably qualified and have had considerable experience in planning administration and in all branches of planning work, and possess a good knowledge of the Town and Country Planning Act, 1947, and the Orders and Regulations made thereunder. Experience in the technique relating to the redevelopment of war damaged areas will be an advantage. Candidates should not be less than 35 years of age.

(f) PLANNING ASSISTANT, Grade A.P.T., V (£530-£570).

Candidates should be suitably qualified, and must have good knowledge of and extensive practical experience in modern planning technique, including the making and recording of planning surveys and the preparation of development plans. Architectural experience will be an advantage. Candidates should not be less than 30 years of age.

(g) JUNIOR PLANNING ASSISTANT, Grade A.P.T., III (£450-£495).

Candidates must be good draughtsmen, and have had a good general training in planning work and have had experience in the preparation of planning maps, surveys and development plans.

GENERAL.

Age limit 40 years or, if serving with another Local Authority, 45 years.

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

Service will be terminated by one month's notice on either side.

The Corporation will make housing accommodation available to successful candidates, if married.

Applications on the form to be obtained from the undersigned, together with copies of not more than three recent testimonials, should be returned by the 27th August, 1949.

J. PATON WATSON, C.B.E., M.I.C.E.,

City Engineer and Surveyor.

The Guildhall, Plymouth. 1821

GLAMORGAN COUNTY COUNCIL.

Applications are invited for the following appointment on the permanent establishment of the County Architect's Department:—

PRINCIPAL QUANTITY SURVEYOR. Commencing salary £810-£910 by annual increments of £25. Candidates must be Chartered Quantity Surveyors of the Royal Institution of Chartered Surveyors (Quantities Section), and must have had considerable experience in all branches of the work as applied to Local Authorities in connection with the preparation of estimates, bills of quantities, specifications, etc., also with the measuring up for and preparation of interim and final accounts, and with the settlement of final accounts of contracts.

Candidates must not be over 50 years of age, but this condition may be relaxed in the case of a person already in the service of the authority, or a specially suitable candidate employed by another authority. In the case of ex-service applicants, the age limit will be raised by the number of years served in H.M. Forces during the late war.

The appointment is subject to the National Scheme of Conditions of Service for Local Authorities' Staffs, to the staffing regulations of the County Council in force from time to time, to the provisions of the Local Government Superannuation Act, 1937, and to one month's notice on either side.

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

Application forms for this appointment may be obtained from L. R. Gower, F.R.I.B.A., County Architect, County Hall, Cardiff, to whom applications must be returned, in sealed envelopes appropriately endorsed, not later than the 31st August, 1949. Canvassing, either directly or indirectly, will disqualify.

An officer maintaining a home elsewhere and who is unable to obtain suitable accommodation, may be granted a lodging allowance of £75 per annum for a period not exceeding six months.

A. CLIFFORD WALTER,

Deputy Clerk of the County Council.

Glamorgan County Hall, Cardiff. 1892

HERTFORDSHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.
APPOINTMENT OF JUNIOR PLANNING ASSISTANTS, GRADES II AND III (A.P.T.).

Vacancies exist in the offices of the County Planning Department at St. Albans, Baldock, Hertford and Watford for Junior Planning Assistants, on the following Grades (A.P.T.):—

II, £420-£465.

III, £450-£495.

Applicants must be competent draughtsmen, and be students of the T.P.I., I.C.E., I.MugE., R.I.B.A., or R.I.C.S., or have had special training at a University or Technical College. Persons holding the Intermediate Examination of one of these Institutions, or qualification of equivalent standard, will be given preference.

The appointments are established posts on the Permanent Staff of the County Council, and are subject to the provisions of the Local Government Superannuation Act, 1937.

Forms of application are available from the County Planning Officer, County Hall, Hertford, and these are returnable not later than 21st September, 1949.

COUNTY COUNCIL OF THE COUNTY OF LANARK.

TECHNICAL STAFF.

Applications are invited for appointments to the Technical Staff of the County Council as follows:—

HIGHWAYS DEPARTMENT.

(1) ENGINEERS. £635-£760 per annum; £635-£710 per annum; £595-£660 per annum.

(2) ASSISTANT ENGINEERS. £530-£570 per annum; £480-£525 per annum.

(3) ENGINEERING ASSISTANTS. £450-£495 per annum; £420-£465 per annum.

(4) JUNIOR ENGINEERING ASSISTANTS. £390-£435 per annum.

(5) TRACERS. £205-£335 per annum (according to age).

PROPERTY DEPARTMENT.

(1) CHIEF ARCHITECTURAL ASSISTANT. £710-£810 per annum.

(2) ARCHITECTURAL ASSISTANTS. £535-£710 per annum; £550-£610 per annum; £390-£435 per annum.

(3) ARCHITECTURAL APPRENTICE. Commencing £130 per annum.

(4) JUNIOR TECHNICAL ASSISTANT. £440-£525 per annum.

(5) ASSISTANT QUANTITY SURVEYOR. £390-£435 per annum.

(6) APPRENTICE QUANTITY SURVEYOR. Commencing £130.

WATER DEPARTMENT.

ENGINEERING ASSISTANTS. £635-£710 per annum; £595-£660 per annum.

The appointments will be subject to the County Council's Conditions of Service and to the provisions of the Local Government Superannuation (Scotland) Act, 1937, and successful candidates will require to pass a medical examination.

Canvassing, directly or indirectly, will be a disqualification.

Forms of application, together with particulars (which have been framed on a revised basis) as to the qualifications and experience required for the various posts, may be obtained from the undersigned, and completed applications should be returned within 14 days of the publication of this advertisement.

WM. C. BROWNIE

County Clerk.

Lanarkshire House, Glasgow, C.1.

11th August, 1949.

CITY OF NOTTINGHAM.

CITY ENGINEER'S DEPARTMENT.
Applications are invited for an ARCHITECTURAL ASSISTANT, in Grade A.P.T., V, £520×£15×£15×£20-£570.

Applicants must be Associate Members of the Royal Institution of British Architects, and have had at least two years' office experience.

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

Applications are to be on forms to be obtained from Mr. R. M. Finch, O.B.E., M.I.C.E., City Engineer and Surveyor, Guildhall, Nottingham, to whom they should be returned not later than Monday, 5th September, 1949.

J. E. RICHARDS,

Town Clerk.

Guildhall, Nottingham. 1885

HEMEL HEMPSTEAD DEVELOPMENT CORPORATION.

ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of a CLERK OF WORKS, at a salary of £10 per week.

Applicants must have had extensive experience with large scale housing contracts.

The person appointed will be expected to find his own accommodation in or near Hemel Hempstead, but temporary subsistence allowances are payable in certain cases.

Contributory superannuation, with an opportunity of entering or continuing in a Local Government Superannuation Fund, will be provided.

Applications, giving full particulars of age, qualifications and experience, together with the names of two persons to whom reference may be made, and endorsed "Architect's Clerk of Works," should be addressed to The Administrative and Legal Officer, Hemel Hempstead Development Corporation, Westbrook Hay, Hemel Hempstead, so as to reach him not later than 5th September, 1949.

**AMENDED ADVERTISEMENT.
BOROUGH OF ROWLEY REGIS.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.
APPOINTMENT OF THIRD ARCHITECTURAL
ASSISTANT.**

Applications are invited for the above appointment, at a salary in accordance with Grade IV of the A.P.T. Division of the National Scale of Salaries (£480×£15-£525 per annum). The appointment will be subject to the National Scheme of Conditions of Service and to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Housing accommodation will be made available if required. Applicants should have had previous experience of housing work in the office of a qualified architect, and should possess a sound knowledge of architectural design.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three testimonials, should be sent to the Borough Engineer and Surveyor, so as to reach him not later than the 29th August, 1949.

R. HEGAN,

Town Clerk.

Municipal Buildings, Old Hill, Staffs.
8th August, 1949. 1876

Tenders for Contracts

6 lines or under, 10s.; each additional line, 1s. 6d.
COUNTY BOROUGH OF WEST BROMWICH.
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Contractors wishing to tender for this work should make application to the undersigned not later than the 26th of August, 1949, and such application should be accompanied by a deposit of two guineas, which will be returnable on receipt of a bona fide tender.

The Corporation does not bind itself to accept the lowest or any tender, and final acceptance will be subject to the approval of the Ministry of Health.

H. SCHOFIELD, B.Sc.(Eng.), A.M.I.C.E.,
Borough Engineer and Surveyor.
Town Hall, West Bromwich.
10th August, 1949. 1882

Architectural Appointments Vacant

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ARCHITECTURAL ASSISTANTS required for general architectural practice. Reply, stating experience and salary required, to Thomas Worthington & Sons, 178, Oxford Road, Manchester 13. 1674

SENIOR ARCHITECT required to take control of the Architectural Section in the Chief Engineer's Department of the Board; candidates, preferably not under 35 years of age, must be qualified members of the R.I.B.A., experienced in the design and construction of industrial buildings, including canteens and welfare centres; applicants should state age and experience; the appointment is of a permanent nature, and pension terms will be discussed with short list candidates; minimum starting salary £750 p.a. depending on qualifications. Applications should be sent to the Staff Controller, North Thames Gas Board, 30, Kensington Church Street, London, W.8. 1703

JUNIOR ARCHITECT required, Reading area, for work in connection with prefabricated buildings, housing and agriculture; salary according to age and qualifications. Box 1719.

ARCHITECT'S ASSISTANT required; must be a good draughtsman and have knowledge of building construction and capable of making war damage surveys. Reply, stating age and salary, to Messrs. H. Payne Wyatt, Son & Partner, 463/465, Brixton Road, London, S.W.9. 1698

ARCHITECTURAL ASSISTANT required by Exeter Firm of Architects; must be capable of preparing working drawings from sketches, detailing, surveying and levelling. Reply, giving full details, age, qualifications and salary required, to Box 1729.

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SENIOR ASSISTANT required; able to take full charge of varied architectural work. Reply, stating qualifications, age, and salary required, to Wm. Hingworth & Son, Chartered Architects, 15, Sunbridge Road, Bradford, Yorks. 1786

ARCHITECTURAL ASSISTANTS required immediately in offices at Newton Abbot, Tavistock and Plymouth; applications should have attained at least R.I.B.A. Intermediate standard, and should write, stating age, experience and salary required, to L. F. Vanstone & Partners, Chartered Architects, Surveyors, National Provincial Bank Chambers, Tavistock. 1761

ARCHITECTURAL ASSISTANT required, of Intermediate R.I.B.A. standard, and with some previous experience in an architect's office; salary according to ability. Write, stating age and experience, to Staff Officer, Handley Page, Ltd., Cricklewood, N.W.2. 1798

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JUNIOR ARCHITECTURAL ASSISTANT required, with some office experience and at least R.I.B.A.; Intermediate standard. Welch & Lander, F.R.I.B.A., 38, Gloucester Place, W.1. Welbeck 6551. 1870

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ARCHITECTURAL ASSISTANT-A vacancy exists in a London office for an experienced Assistant, with knowledge of Commercial and Industrial Buildings; some experience in domestic work, including conversions, an advantage; salary by arrangement. Box 1848.

ARCHITECTURAL ASSISTANT required in Midlands office; must be quick and accurate draughtsman, with experience in industrial buildings. Reply, with full particulars, salary required, etc., to Box 1851.

THE MILK MARKETING BOARD require an **ASSISTANT** in their Architect's Department, capable of preparing specifications for new work and for alterations and maintenance of existing buildings; must have sound experience and also be able to supervise works in progress; ability to prepare detail and working drawings of minor schemes an advantage; salary £525 per annum. Applications, giving full details, should be addressed to the Chief Administrative Officer, Milk Marketing Board, Thames Ditton, Surrey. 1877

ARCHITECTS' ASSISTANTS required in the Architects' Dept., F. W. Woolworth & Co., Ltd., Head Office, 1-5, New Bond Street, London, W.1. Applicants should write in giving full details of training, qualifications, experience, and salary required, to H. Winbourne, F.R.I.B.A., Architect. 1879

EXPERIENCED ARCHITECTURAL ASSISTANT required for permanent and progressive appointment in a Birmingham office; salary up to £750 per year, according to qualifications. Box 1886.

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Architectural Appointments Wanted

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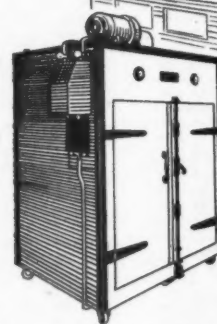


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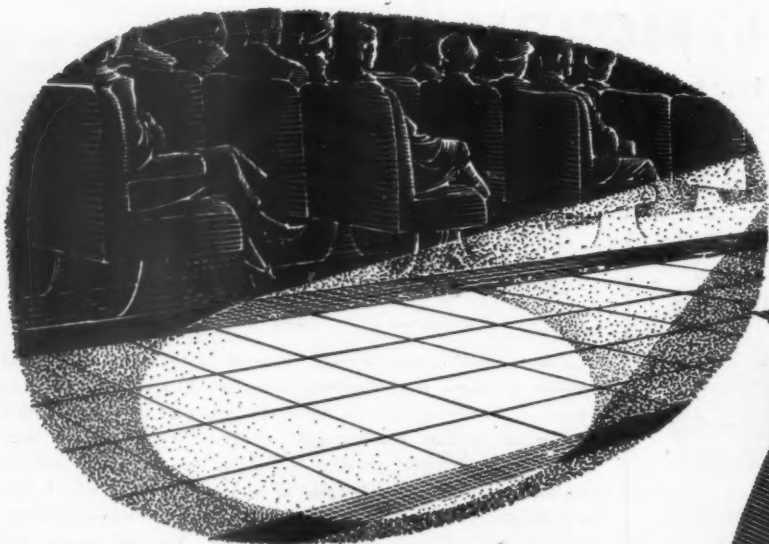
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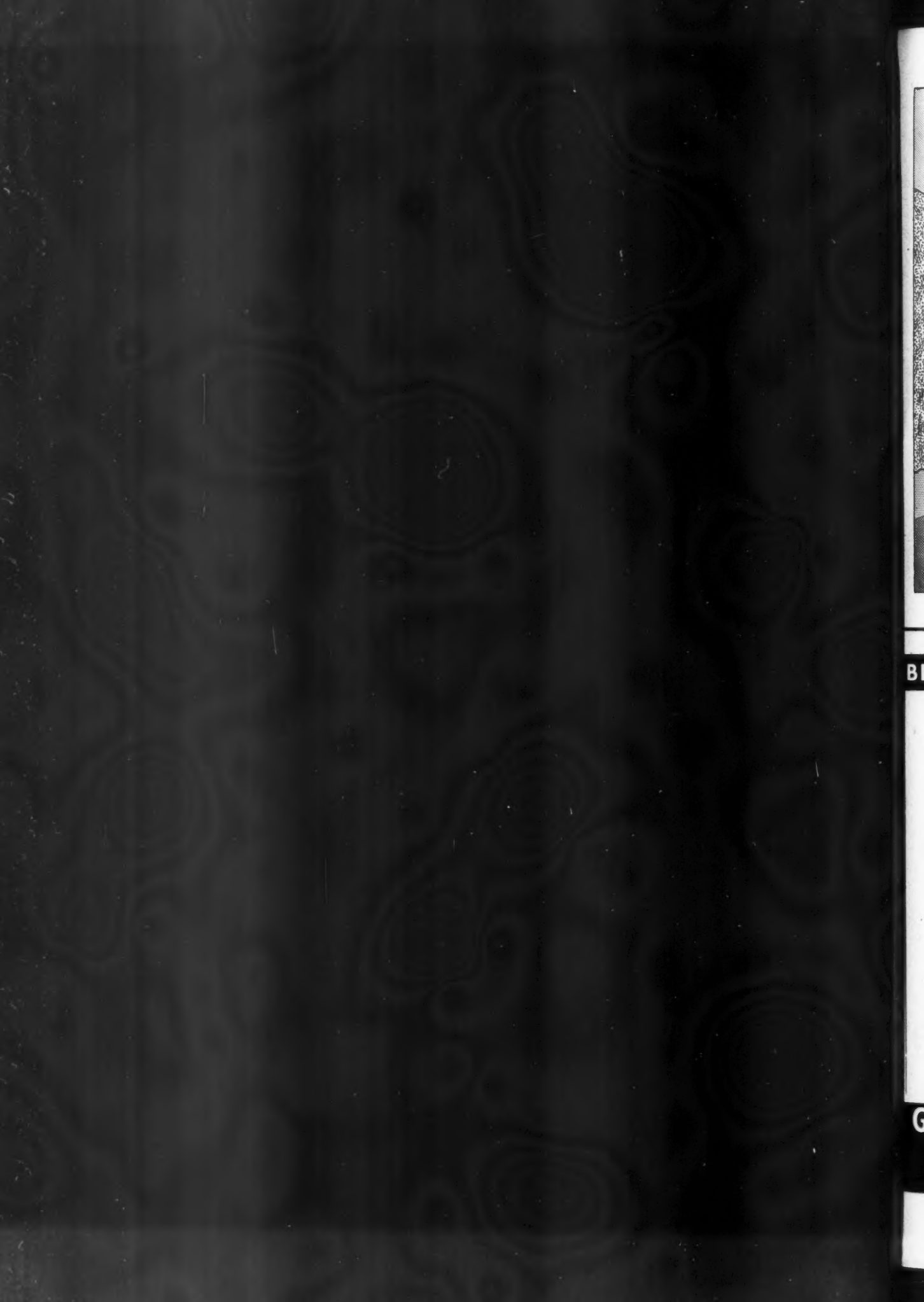
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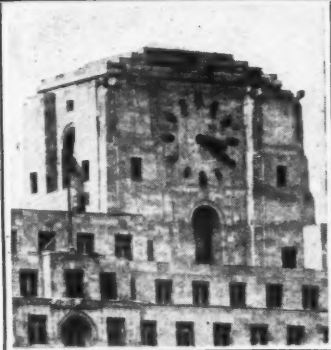
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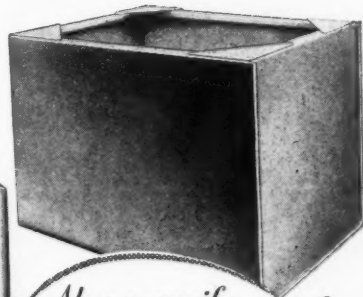
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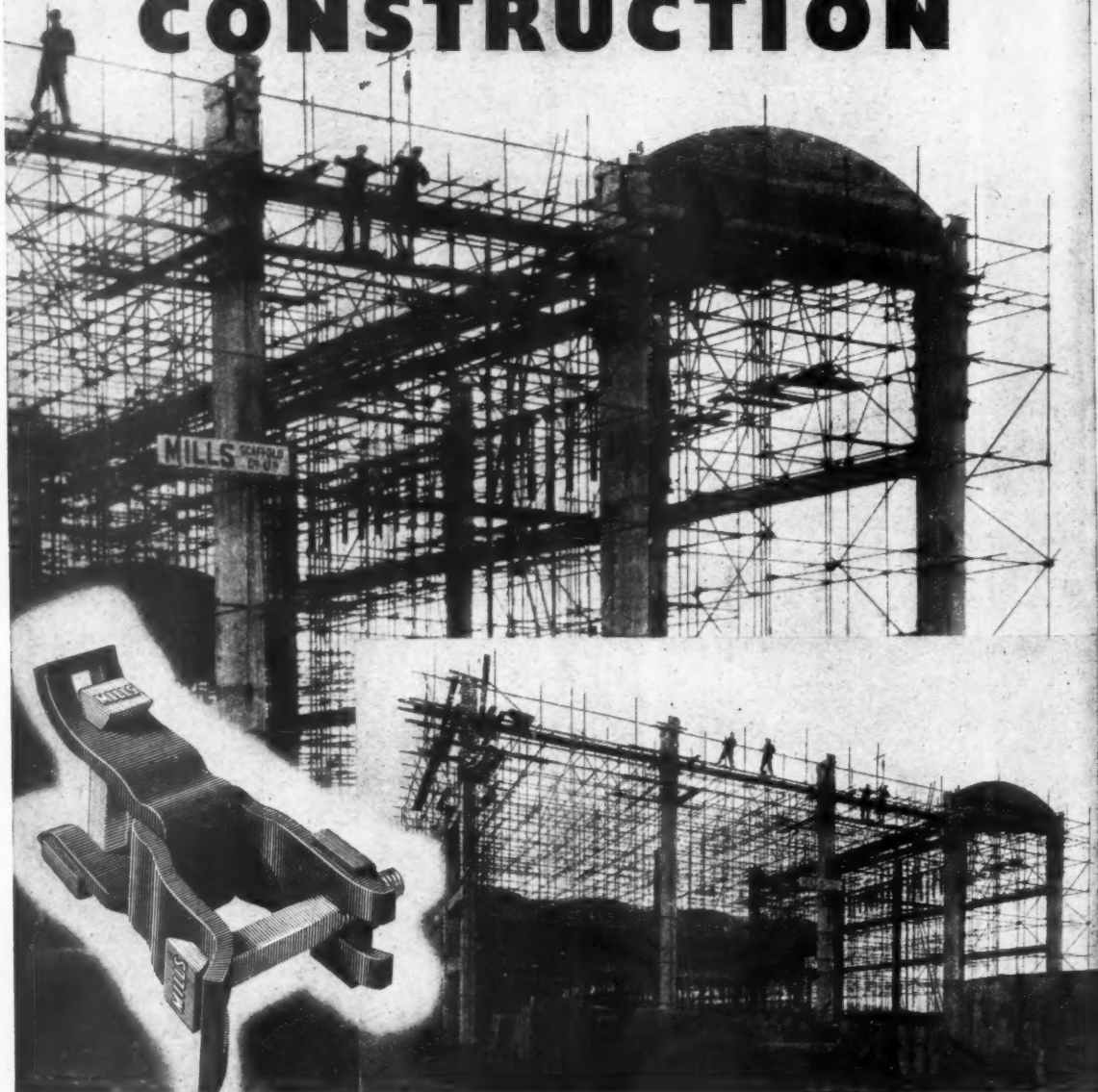


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