

THE ARCHITECTS' JOURNAL



standard contents

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

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

IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers. 1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers. 75, Eaton Place, S.W.1.	Sloane 3158
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Euston 2450 Museum 1783
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071 Museum 7197
IOB.	Institute of Builders. 48, Bedford Square, W.C.1.	
IR	Institute of Refrigeration. Empire House, St. Martin's-le-Grand, E.C.1.	Monarch 7391 Abbey 6172
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Sloane 7128-29
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264 Museum 3891
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Euston 2158-9
MARS	MARS Group (English Branch of CIAM). 34, Gordon Square, W.C.1.	Whitehall 3400
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Sloane 4522
MOE	Ministry of Education. Belgrave Square, S.W.1.	Whitehall 4300
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 6200
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Gerrard 6933
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Abbey 7711
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Whitehall 8411
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Reliance 7611
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Abbey 5277/8
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers. 2, Caxton Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives, Federal House, Cedars Road, Clapham, S.W.4.	Macaulay 4451
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Langham 4041
NPL	National Physical Laboratory. Head Office, Teddington.	Molesey 1380
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Edinburgh 20396
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RICS	Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1.	Whitehall 5322
RFAC	Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.	Whitehall 3935
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers. 20, Piccadilly, London, W.1.	Regent 6347
SCR	Society for Cultural Relations with the USSR. 14, Kensington Square, London, W.8.	Western 1571
SE	Society of Engineers. 17, Victoria Street Westminster, S.W.1.	Abbey 7244
SPMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C. Chancery 5313	
SIA	Structural Insulation Association. 14, Moorgate, London, E.C.2.	Central 4444
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Metropolitan 8344
SNHTPC	Scottish National Housing & Town Planning Council. Hon. sec., Robert Pollock, Town Clerk, Rutherglen.	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6146 (3 lines)
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

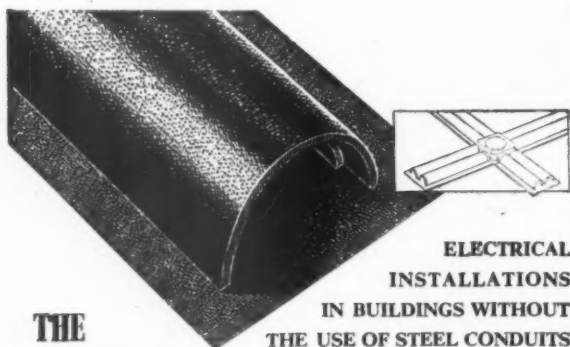
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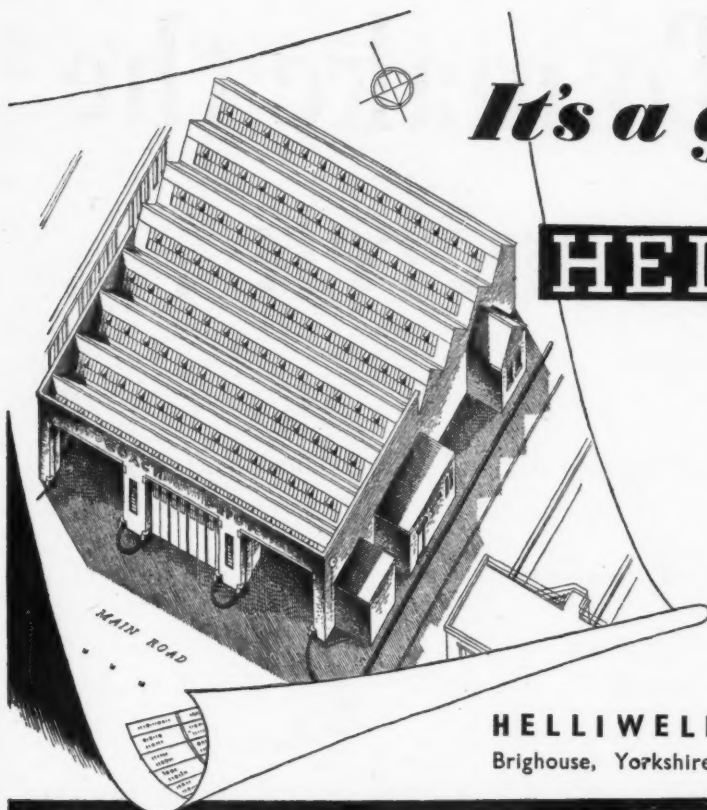
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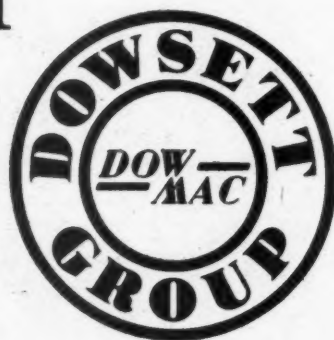


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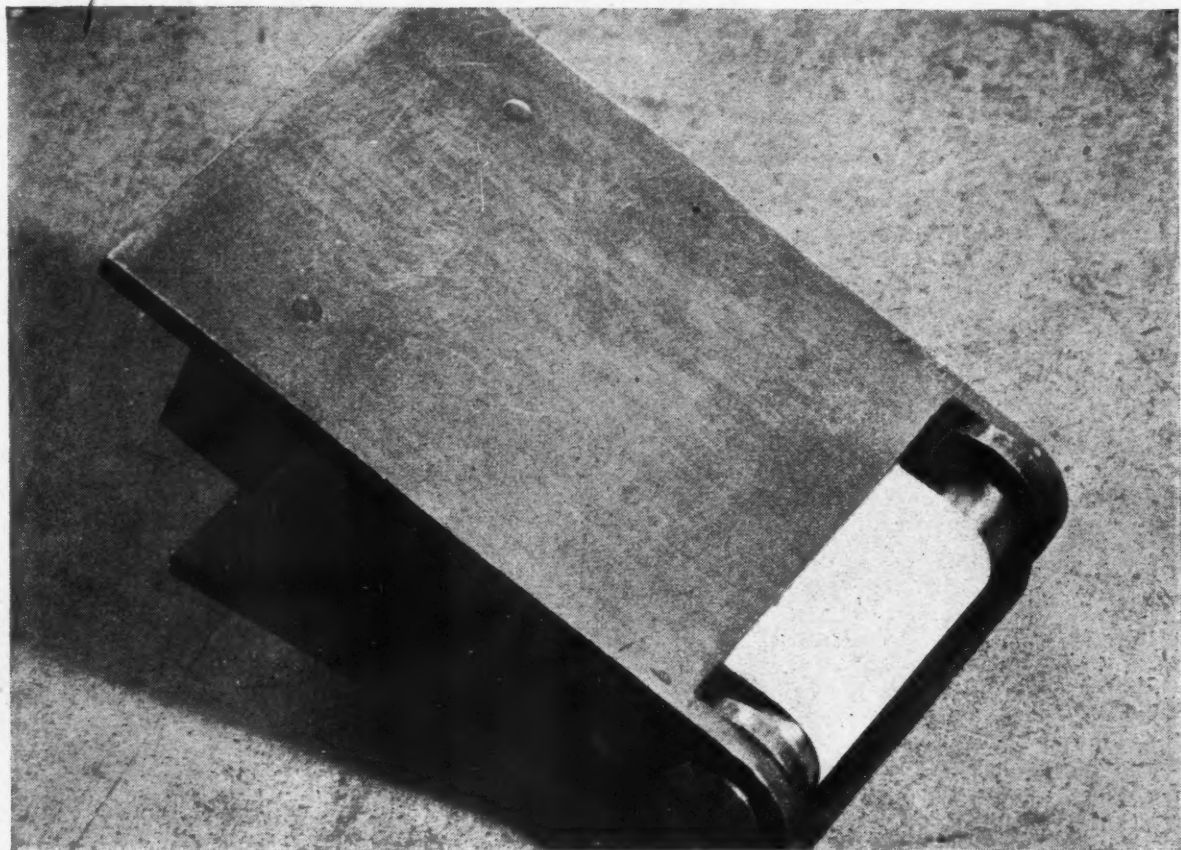
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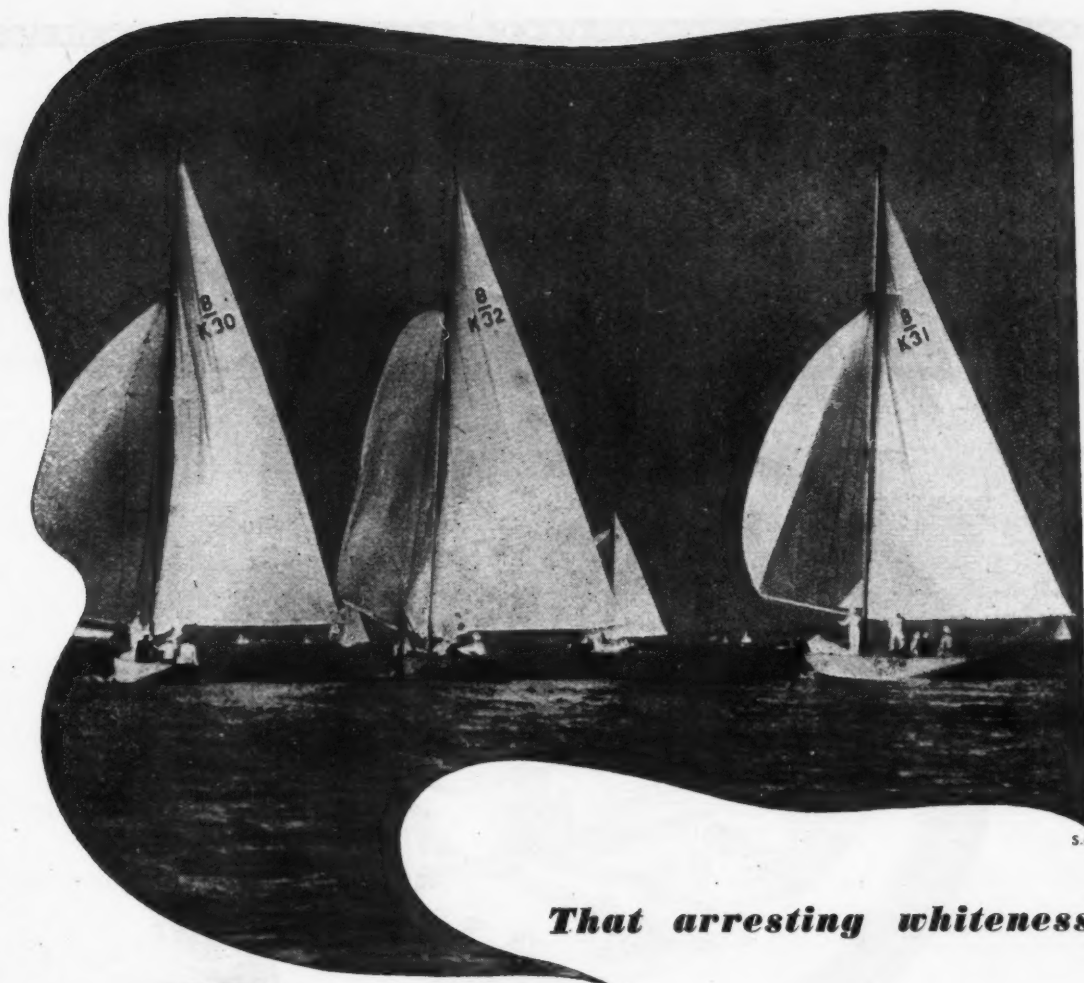


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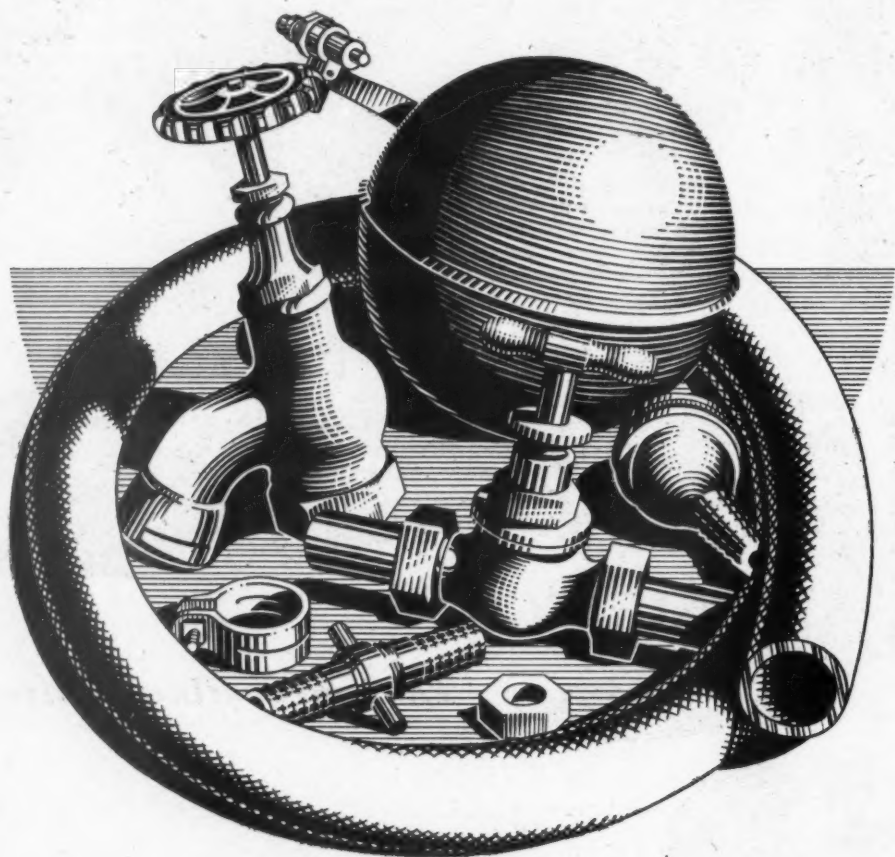


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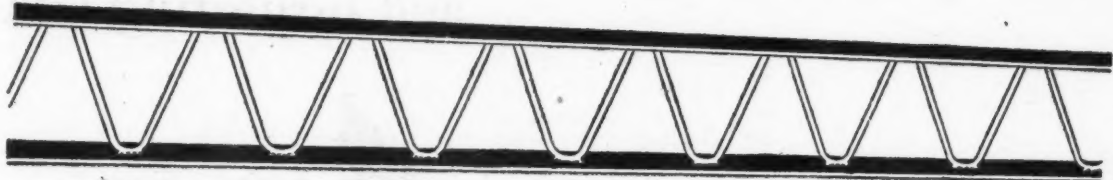
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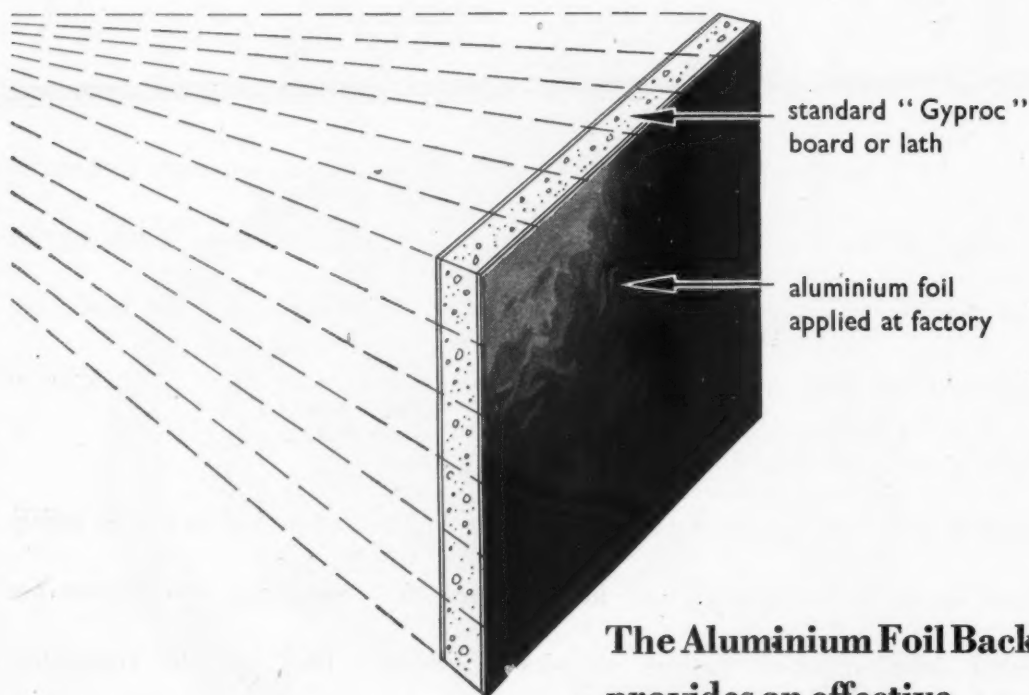
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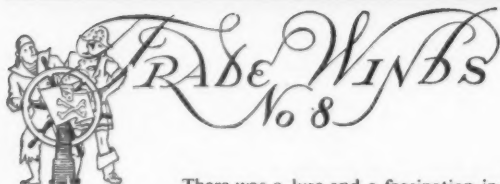
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EAST INDIAMEN

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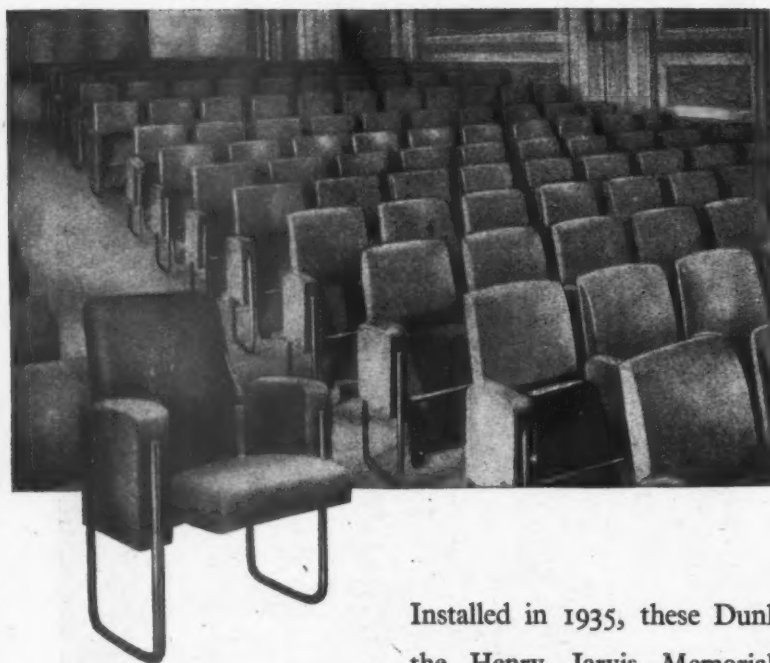
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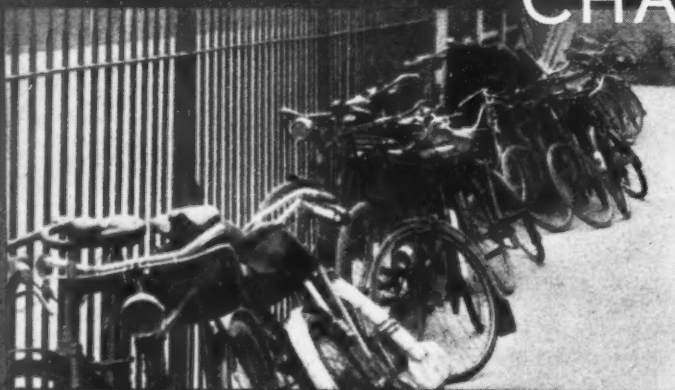


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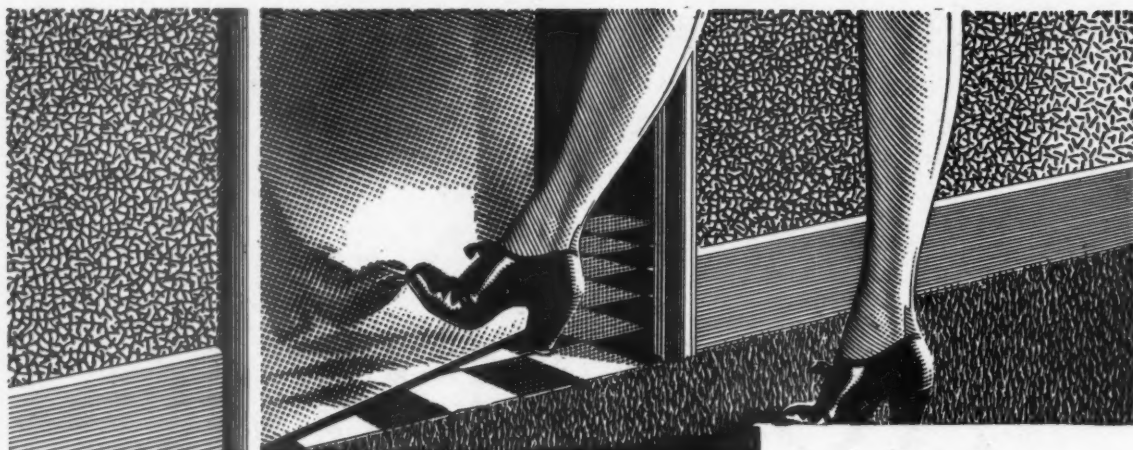
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WARERITE Wall Panels can also be supplied cut to any required shape or size. Special fixing sections produced from extruded plastics are available for fixing the panels.

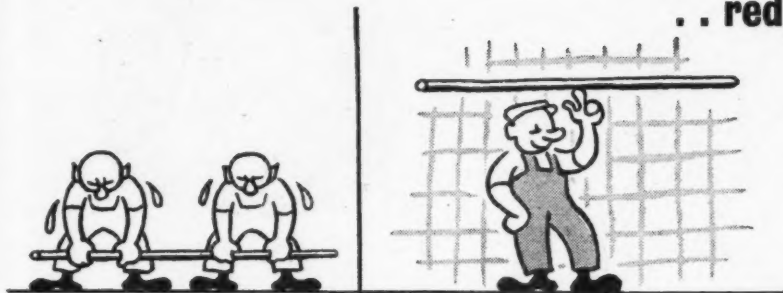
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LAMINATED PLASTICS

Made by WARERITE LIMITED · WARE · HERTS · UNIT OF BAKELITE LIMITED · Grams: Warerite, Ware · Phone: Ware 502

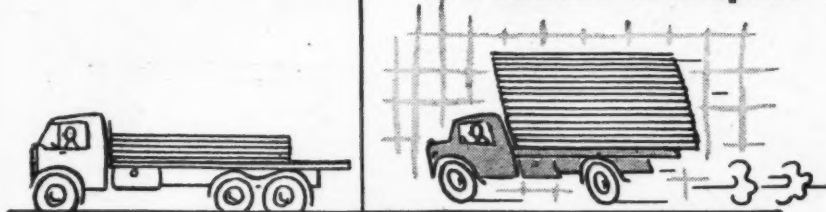
W.65.8

Aluminium scaffolding...

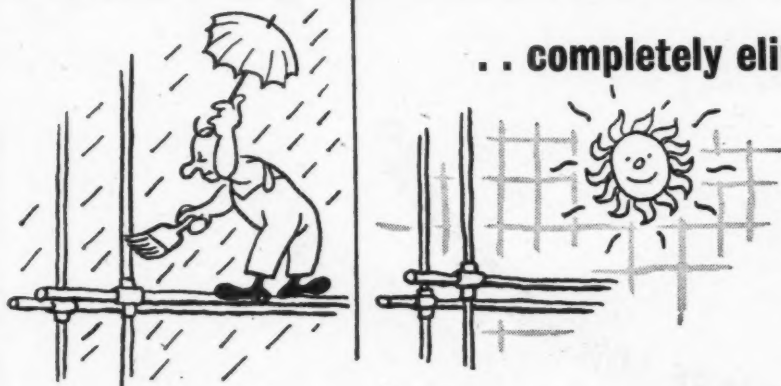
... reduces handling by half



... reduces transport costs by two-thirds



... completely eliminates maintenance



Aluminium is strong, light and durable—what better medium for scaffolding?

Apart from its many economies aluminium scaffolding can be erected in record time (a topical point !)

With regard to strength, standard size aluminium tubing compares favourably with steel, its effective life is longer—and its scrap value is greater.

Aluminium will solve many scaffolding problems of the future and we would welcome enquiries from contractors who are interested.

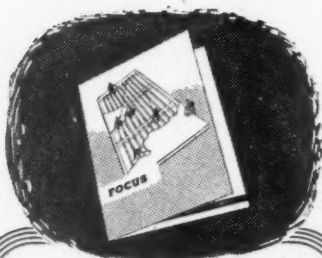
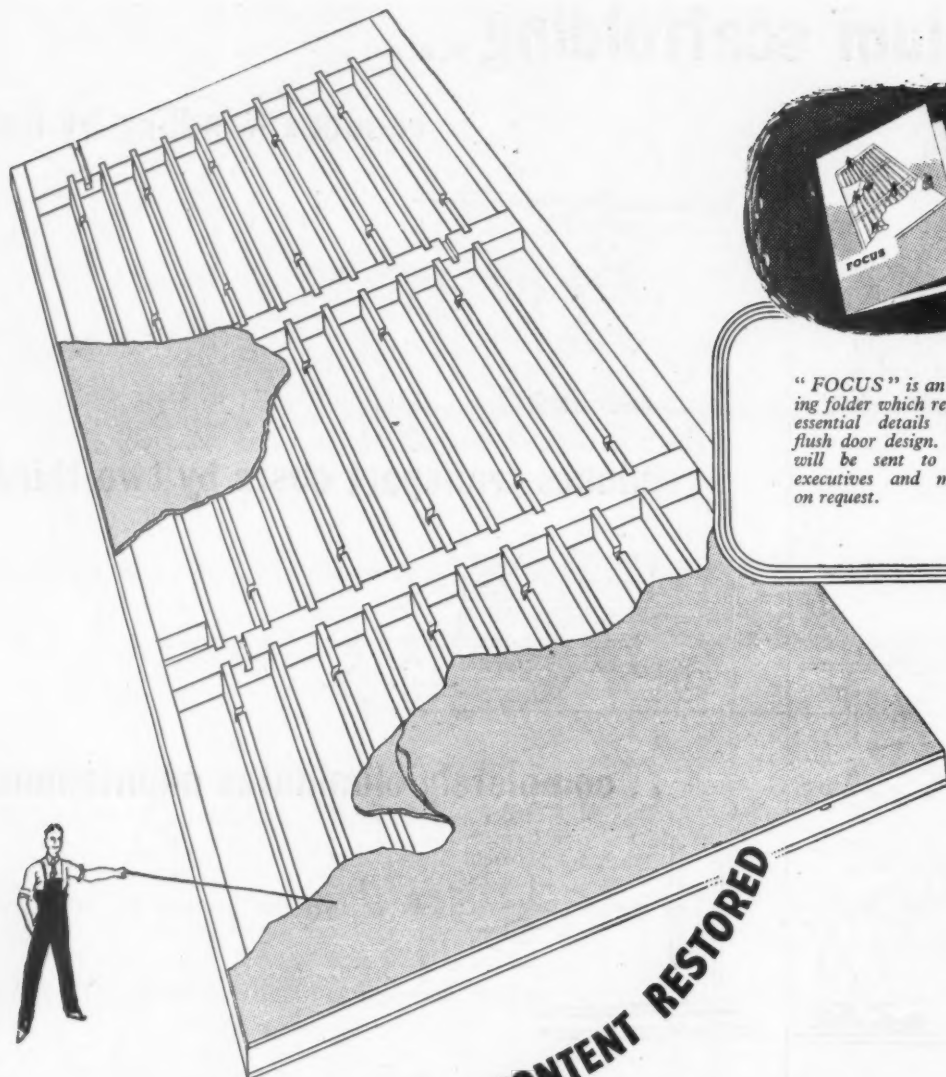


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British Aluminium products include:—PLATE, SHEET, COILED STRIP, CIRCLES AND DRAWN SECTIONS; EXTRUSIONS, TUBING, WIRE AND RIVETS; BUSBARS; INGOTS, SLABS, BILLETS AND WIREBARS; CASTING ALLOYS; PASTE, GRANULES AND POWDER

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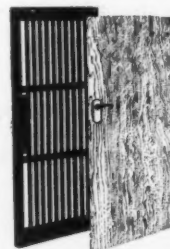
138-349



"FOCUS" is an interesting folder which reveals the essential details of good flush door design. A copy will be sent to building executives and merchants on request.

NORMAL MOISTURE CONTENT RESTORED

Every factor must be considered in the production of a good flush door. Hills laboratory tests have shown that movement of the skin surface due to absorption of moisture can induce unnecessary stresses and cause surface undulation. The Plywood used in the manufacture of Clymax Flush Doors is conditioned before assembly, and Clymax core construction, designed and used only by Hills, gives ample support to the skin. Standardisation of construction, and quantity production have cut Clymax costs, and these modern flush doors are now a practical alternative to the panel door.



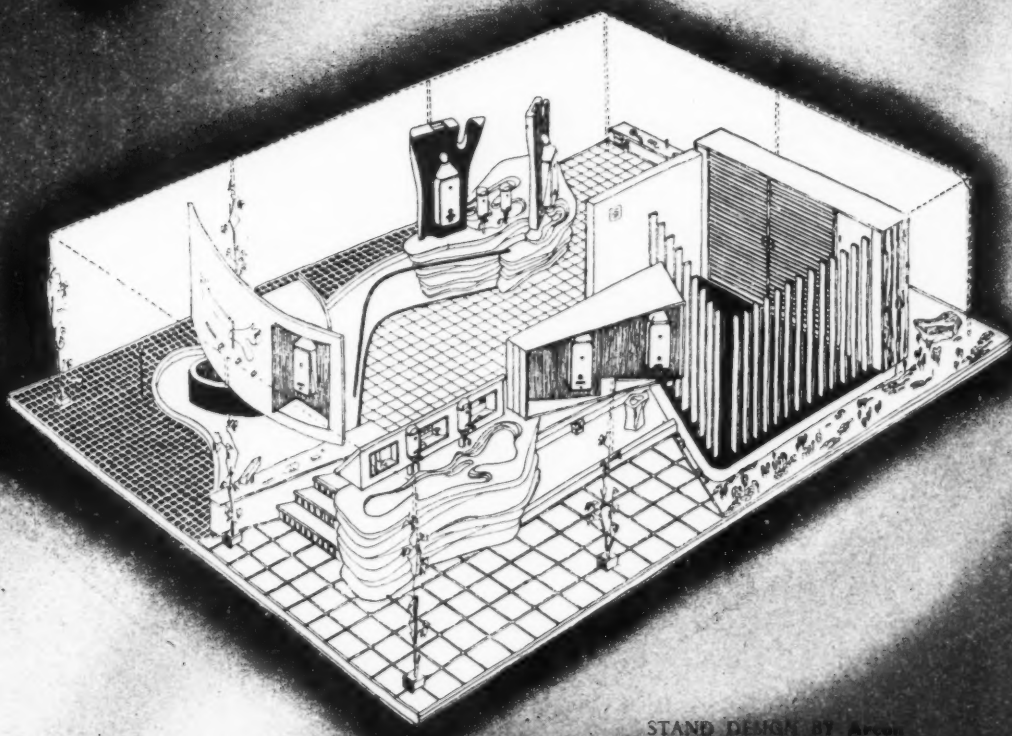
CLYMAX *Tested Flush Doors*

Designed and made only in HILLS Factories

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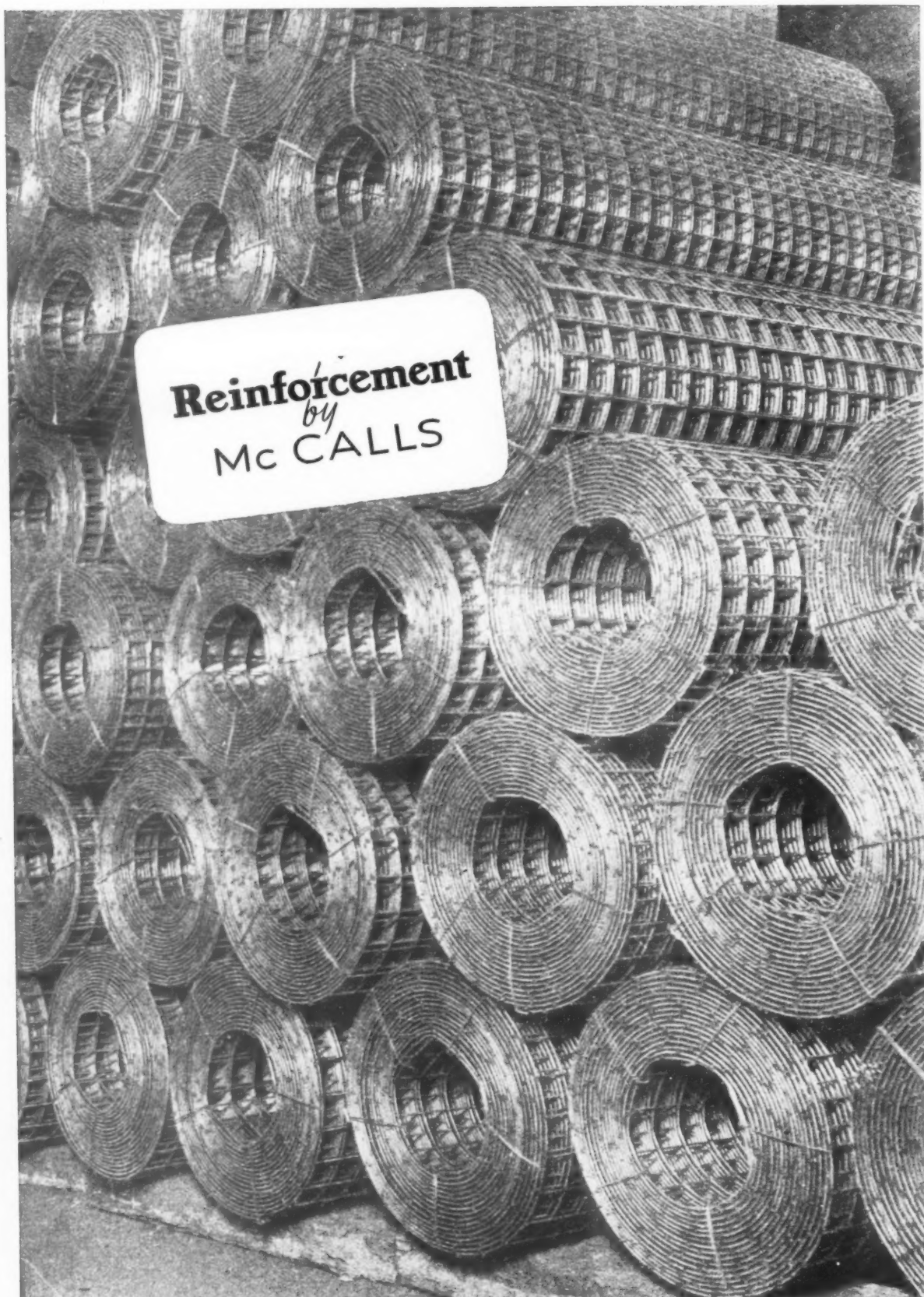


STAND DESIGN BY ASCOT

STAND NO. 11 - GROUND FLOOR - GRAND HALL

OLYMPIA - MARCH 1st-26th

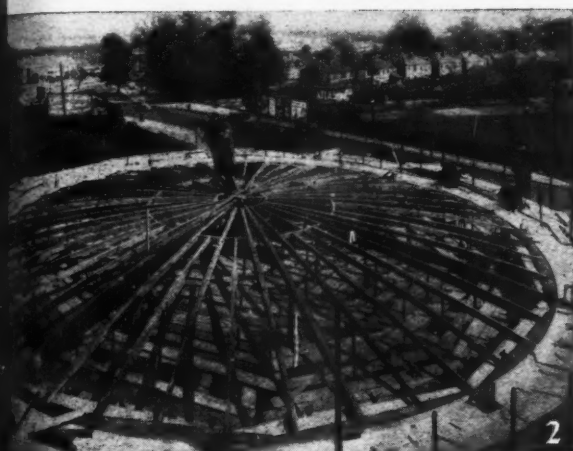
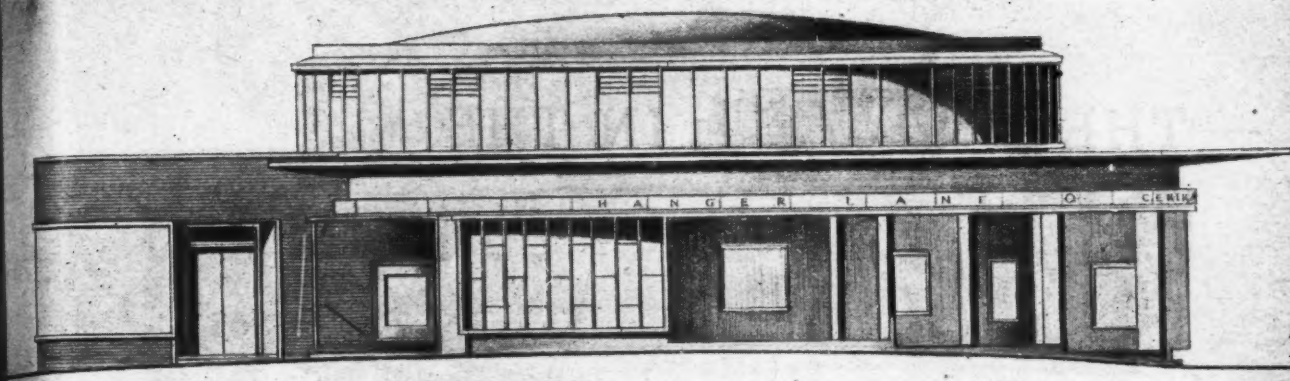
IDEAL HOME EXHIBITION



McCALL & COMPANY (SHEFFIELD) LTD., TEMPLEBOROUGH, SHEFFIELD, and at LONDON

SRB 17.





The illustrations show : 1. Elevation of design for permanent station. 2. Wooden formwork for the reinforced concrete dome. 3. Section through the top ring beam of the dome. 4. Reinforcement and permanent shuttering for the dome in 1½" Marlith. 5. A view from underneath the dome showing the Marlith slabs before plastering.

PERMANENT INSULATING SHUTTERING at Hanger Lane Station

Architect : F. F. CURTIS, D.Eng., A.R.I.B.A. *Railway Executive, (Western Region).*

Asst. Architect : HOWARD CAVANAGH, A.R.I.B.A.

Assistant : P. MacIVER.

Contractors : HOLLIDAY & GREENWOOD LTD., 11 Buckingham Palace Gdns, S.W.1

Reinforced Concrete Consultants :

L. G. MOUCHEL & PARTNERS, LTD., 38 Victoria Street, S.W.1

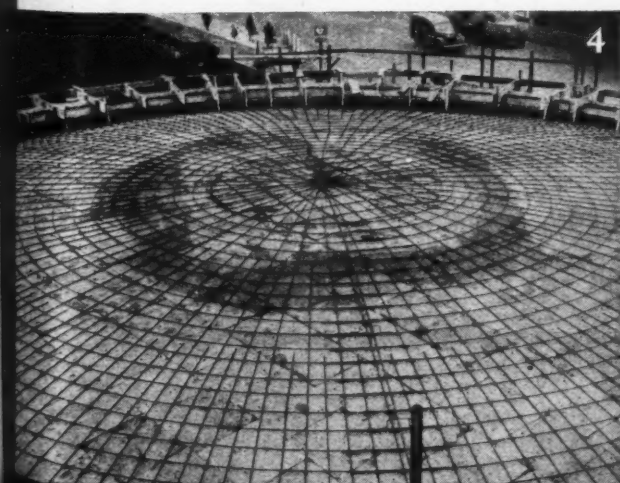
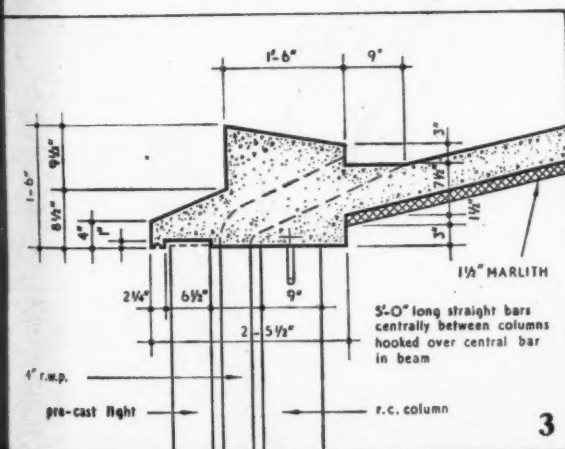
The reinforced concrete dome is 4" thick and 44'0" in diameter. It is cast on permanent insulating shuttering of 1½" Marlith Wood Wool Slabs. These light weight building slabs conform to B.S. 1105 and are made in standard sizes of 6'0" x 2'0" x 1", 2" and 3". They provide a high degree of thermal insulation for walls and roofs and give an excellent key for plaster or cement rendering.

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THE DOWEL IN THE AUSTIN DOOR

TIMBER

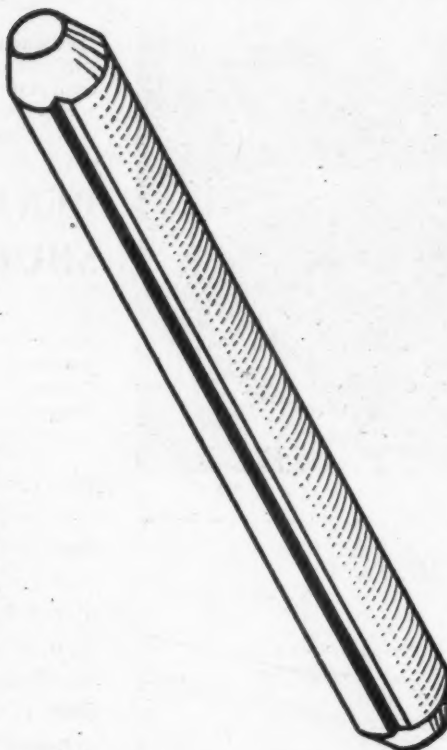
If the door is constructed of softwood—the dowel should be softwood. If the door is hardwood—the dowel should be hardwood. Swelling and shrinkage are thus equalised. The result is a permanent tight joint,

CUTTING THE DOWELS

Long lengths of dowel are inserted into hoppers which constitute the revolving head of a dowel machine. As each dowel passes the operating point it meets a special saw and engages with a ratchet which causes the dowel to revolve in the hopper. The saw cuts and points the dowel which then drops into a receiver. The remaining length of dowel drops through to a depth stop ready for a further length to be cut and pointed when next it reaches the saw. The output from this machine is well over 100 dowels per minute.

GROOVE OR KERF

As the dowel is driven into the hole in rail or stile so the air in the hole is compressed. Unless this air escapes, a good glue joint cannot be obtained. Our dowels are grooved to allow the air to escape and to provide an additional key for the glue.



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The diameters of the dowel and hole are precisely equal. As the dowel is driven home there is a minute contraction in it and a corresponding expansion in the diameter of the hole. This gives complete surface adhesion round the circumference of each.

Write for Information Sheets,
23 B1 and 23 B2 (Doors)
43 E1 and 43 E2 (Kitchen Cupboard Units)

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THE INSIDE STORY of the *Charlton* "TWIN"

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The *Charlton* 'Twin' is essentially two water heaters in one—one heating unit ensures 6 gallons of very hot water being always available, and a second, booster, heating unit steps up the supply when larger quantities are wanted for baths or clothes washing. By having two independent heating units, the 'Twin' provides all the hot water required at all points without the expense of keeping large quantities constantly heated.

This scientific design also enables the normal electricity load to be reduced to 500 watts—a point of vital importance in the Nation's electricity economy—the bulk heater being used primarily in "off-peak" periods.

The design of the *Charlton* 'Twin' is based on the natural tendency of hot water to rise. This enables the water above the top element to be heated to the pre-set temperature, while the water below remains practically cold. Operation of a foot switch brings in the booster heating unit to heat quickly the full contents—15 or 20 gallons according to model.

Of course the 'Twin' has all the advantages common to electric water heating systems—no dirt, no labour, no waste heat, no chimneys, etc.—and is equally suitable for houses, flats and 'conversions'. Ask for your copy of Publication HD 20—it gives all the information you require.



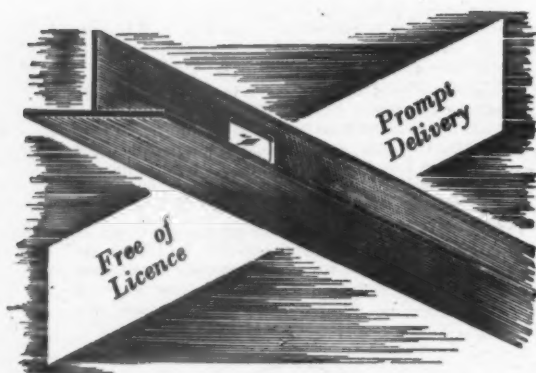
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lots of
hot water*



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FROM—START—TO—FINISH—



7 MONTHS

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*Architect: W. J. Rankin, A.C.G.I., A.M.Inst.C.E.,
A.M.Inst.M. and Cy.E., A.M.T.P.I.*

*Architects are invited to apply for details
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A Timely Reminder!

Bricklaying in Cold Weather

The following extract is from National Building Studies Bulletin No. 3—
“Concreting & Bricklaying in cold weather”—“... the mortar must not only be prevented from freezing but also be maintained at a temperature considerably above 32°F for several days, if anything approaching normal rates of hardening is to be expected. It is therefore recommended that for cold weather work, CEMENT: LIME: SAND: mortars of the order of 1: 1: 5-6 should be used rather than the leaner 1: 2: 8-9 on account of their increased strength and superior rates of hardening.”

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34

COMPACTOM PARTITIONING

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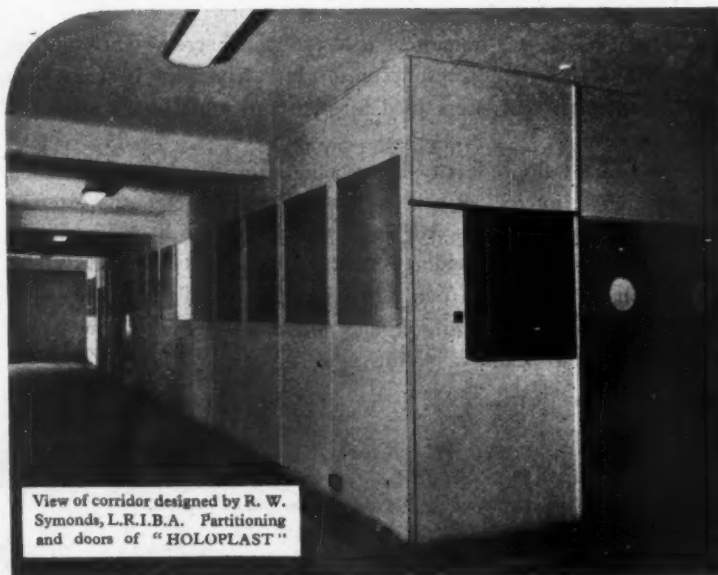
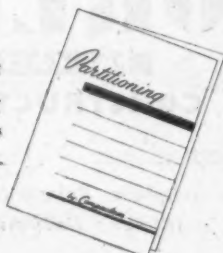
partitioning and to the making of built-in fittings for home and offices.

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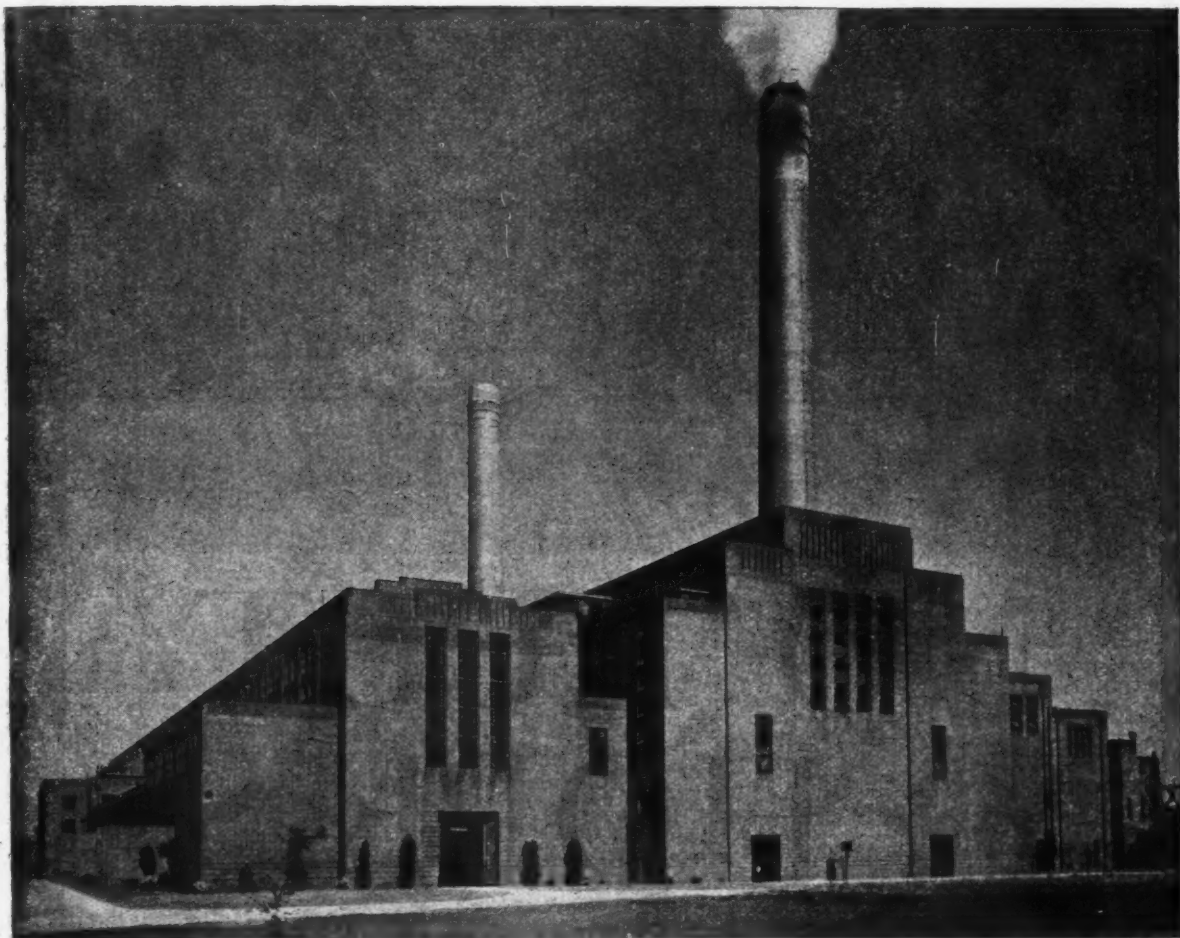
Write for free wallet of photographs of typical partitioning schemes and details of the Compactom service.



View of corridor designed by R. W. Symonds, L.R.I.B.A. Partitioning and doors of "HOLOPLAST"

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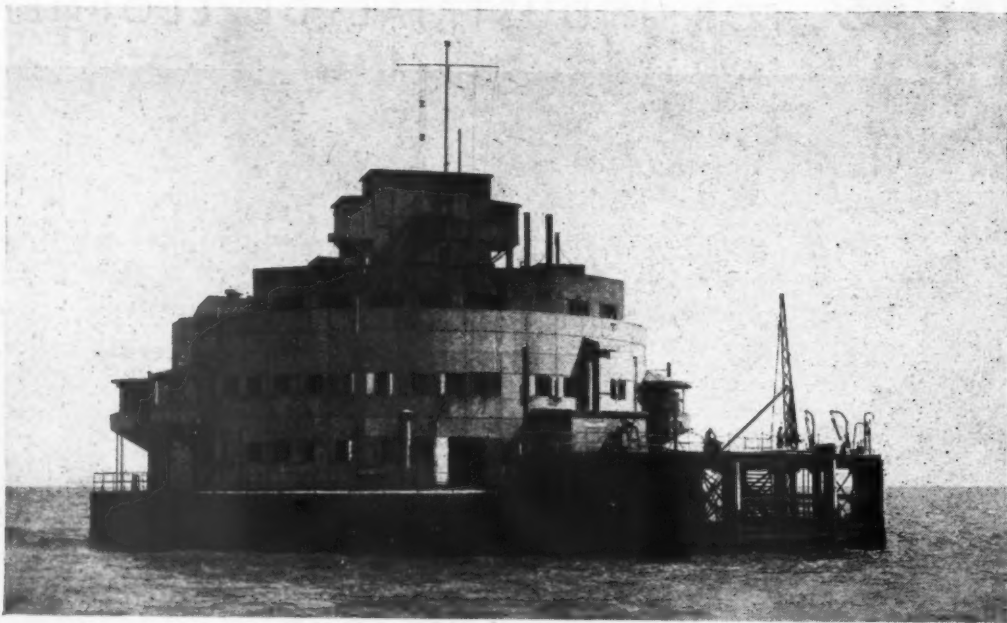
withstand loads exceeding 10,000 lbs. per square inch. For resistance to chemical action, Engineering Bricks constitute a formidable barrier.

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BRICK

*Issued by The National Federation
of Clay Industries, London, W.C.1*

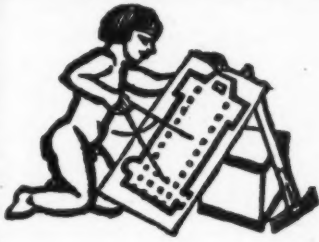


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on HOPE'S
HOT-DIP GALVANIZED
WINDOWS
after seven years at sea

HOPE'S HOT-DIP GALVANIZED WINDOWS WERE INSTALLED IN THIS
SEA FORT IN 1941 AND WERE NOT PAINTED UNTIL 1947, BUT THE
PROTECTIVE COAT OF ZINC IS STILL IN EXCELLENT CONDITION

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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 FEBRUARY MARCH AND APRIL

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.

EXETER. S. J. Rendell. *Utilization of Timber.* At Central Technical College, Exeter. (Sponsor, TDA.) 7 p.m. FEB. 24

LEICESTER. *Allied Ironfounders' Exhibition Train.* Fox Street Dock, adj. Passenger Station, Leicester. (Sponsor, Allied Ironfounders.) UNTIL FEB. 26

LONDON. *A Course of Lectures on Timber.* D. A. Hubbard. *Modern Adhesives—Their Present and Future Application.* March 10. B. A. Jay. *New Woods for Old—Some Alternatives to Traditional Timbers.* March 21. Lectures begin at 7.15 p.m. and will be held in the Fyvie Hall at the Polytechnic, Regent Street, W.1. (Sponsor, TDA.) FEB.-MARCH

Exhibition of Photographs by Members. At the Architectural Association, 34, Bedford Square, W.C.1. (Sponsor, AA.) Monday to Friday, 10 a.m. to 6 p.m. Saturday, 10 a.m. to 1 p.m. UNTIL FEB. 25

LCC Housing Exhibition. At Charing Cross Underground Station. (Sponsor, LCC.) UNTIL FEB. 28

Exhibition of Visual Aids. At the Murray House Exhibition Hall, Vandon Passage, Petty France, S.W.1. (Sponsor, CID.) UNTIL FEB. 28

Exhibition of Drawings of Architectural Subjects, by Helm-Pirgo, at The Cromwell Gallery, 114a, Cromwell Road, S.W.7. (Sponsor, The Cromwell Gallery.) 10 a.m. to 5 p.m., Sat. 10 to 12 noon. UNTIL MAR. 5

Planning the New Nursery Schools—Exhibition. At the Nursery Schools Association, 1, Park Crescent, W.1. Weekdays 10 a.m.-5 p.m. Saturday 10 a.m.-12 noon. FEB. 24-MARCH 12

Exhibition of Interior Design. At the Building Centre, 9, Conduit Street, W.1. (Sponsor, Central Institute of Art and Design.) FEB. 24-MARCH 19

Sir Thomas Sheepshanks. *The T and CP Act 1947.* Some implications for Architects. At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. MARCH 1

Ideal Home Exhibition. At Olympia. (Sponsor, The Daily Mail.) MAR. 1-26

Mrs. Alison Settle and James Laver. *Design in Fashion.* Luncheon meeting at the Royal Society, Burlington House, Piccadilly, W.1. (Sponsor, DIA.) 12.30-2.30 p.m. MARCH 2

The Architect's Place in our Education. At the AA, 34/6, Bedford Square, W.C.1. Joint members and students' evening. (Sponsor, AA.) 7.45 p.m. MAR. 2

R. C. White-Cooper. *Italian Renaissance Architecture.* In the Anatomy Theatre, Gower Street, W.C.1. (Sponsor, University College, London.) 1.15 p.m. MAR. 3

E. Prentice Mawson. *Design of Parks and Public Gardens.* At Caxton Hall, Westminster. (Sponsor, TPI.) 5.30 p.m. MAR. 3

Sir Arnold Plant. *Land Planning and the Economic Functions of Ownership.* At the Chartered Auctioneers' and Estate Agents' Institute, 29, Lincoln's Inn Fields, W.C.2. (Sponsor, Chartered Auctioneers' Institute.) 6 p.m. MARCH 3

Conference on Industrial Architecture. At the RIBA, 66, Portland Place, W.1. MARCH 3-4

Exhibition of Industrial Architecture. At the RIBA, 66, Portland Place, W.1. Weekdays 10 a.m.-7 p.m. Saturday 10 a.m.-5 p.m. MARCH 3-26

NEWS

THURSDAY, February 24, 1949
No. 2820 Vol. 109

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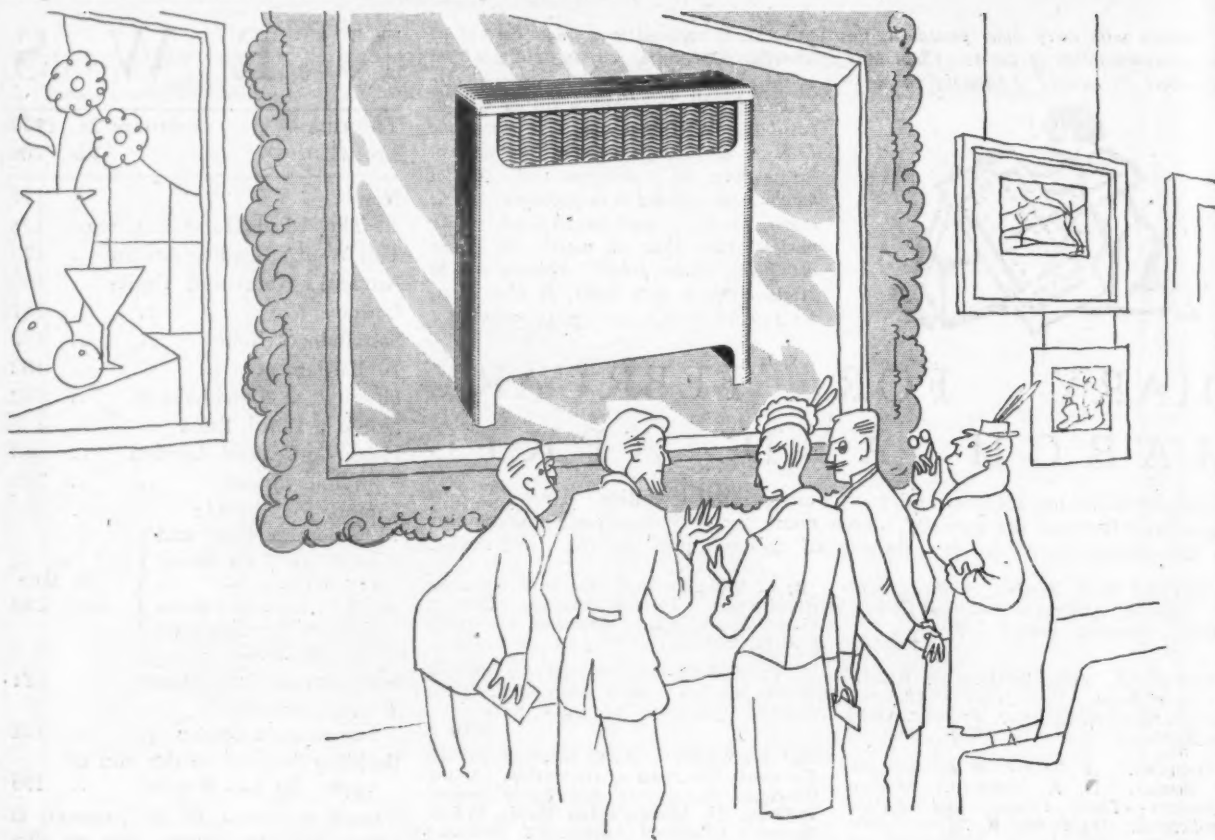
Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis.

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

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

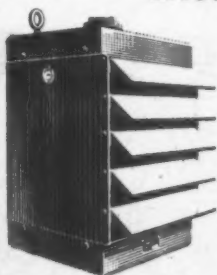


Conant House, St. Agnes Place, S.E., designed by J. Howes and F. Jackman and built by Southwark Borough Council has been opened by Mr. Joseph Charles of the American Embassy. The flats are named after Dr. J. B. Conant, President of Harvard University, USA. John Harvard, founder of the University was born in Southwark.



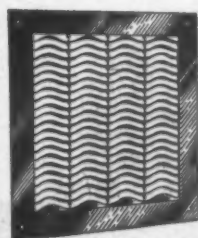
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From AN ARCHITECT'S Commonplace Book

THE ARCHITECT AT HOME. [From *The Conscious Stone*, by Dudley Harbron (Latimer House Ltd.).] Godwin held decided views on matters of taste which he did not hesitate to express freely in public; in private he was even more dogmatic and sometimes violent. In his own house he could not bear the sight of an object which he thought harmful . . . He believed that things seen affected the mind, particularly of those who were young. Clothes of too rigid a shape, that constrained the figure of the wearer, or of colours that were too blatant or discordant, must be forbidden. Books with seemingly innocent illustrations that did not satisfy his idea of line were not to be allowed. Toys had to be made of wood. Of course he never brought such objects into the house. Thoughtless but well-intentioned friends and relatives were the unwitting bearers of these unwelcome gifts. When found they had to be destroyed and he destroyed them. His little girl must be spared the corruption of her taste at all costs. The books he favoured were those which had illustrations by Walter Crane. In order that she should grow up with impeccable perception he chose her books, designed her and her mother's clothes. The dresses were kimono fashion, or of a Grecian character. He, Ellen and the child were hatless; a habit deemed queer by the natives who were not accustomed to their middle-class neighbours behaving like themselves. In the 1870's to be conspicuous was a social affront and needed courage.

★★

The Ministry of T and CP has issued a memorandum on the TREE PRESERVATION ORDERS.

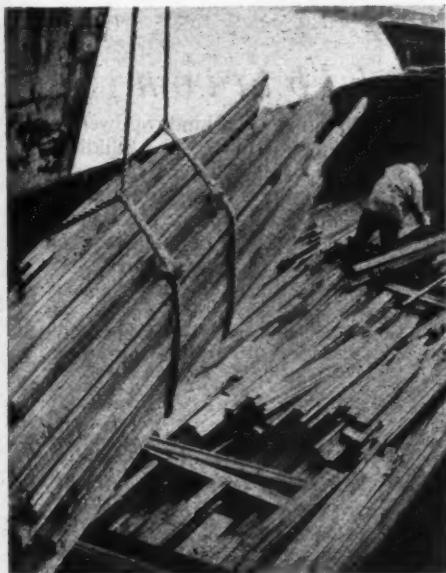
Under the Town and Country Planning Act of 1947 local planning authorities have the power to make tree preservation orders and thus prevent, in the interests of amenity, the felling of specific trees, groups of trees, or whole woodlands. The MOTCP Memorandum gives guidance on how these powers should be used. When an order has been made, the trees covered by it may not be cut down without consent, and in certain cases where permission to fell is refused the owners may be entitled to compensation, since "woodlands are a commercial crop from which the owner is entitled to benefit." But no compensation need be paid in the case of "a refusal of permission for, or the imposing of con-

ditions on, operations which would be contrary to the principles of good forestry or would amount to vandalism."

The Ministry of Works has commenced the construction of new permanent Dressing Rooms at the OPEN AIR THEATRE, REGENT'S PARK.

The building is sited directly behind the stage, to which the players will have easy access, and will be connected by a short temporary covered way to the marquee in which performances take place in bad weather. It consists of a central open loggia which will serve as a Green Room, flanked on either side by male and female

dressing rooms each having accommodation for 27 artists. Lavatories are situated at the far end of the dressing rooms. The walls are of 11 inch cavity construction, for which a Buckinghamshire grey-brown brick has been chosen. The roof is of flat hollow-tile construction with a projecting canopy to give protection to the Green Room and dressing-room entrances; the roof-finish is in 2-ply bituminous felt. The floors of the Green Room and lavatories are finished in granolithic and the dressing rooms in lino. Hot water for washing is provided from an electric storage-heater in either lavatory, and electric tube-heaters are being installed both to give a small degree of heating and to keep the building dry during the winter months when not in use. The construction is being carried out by the Ministry of Works Mobile Labour Force.



Left, the first consignment of timber for the floor of the new House of Commons arriving from Australia. It consists of 3,600 cubic feet of Australian walnut. The importation of timber was arranged by the Ministry of Works; the architect, Sir Giles Gilbert Scott, R.A.; William Mallinson and Sons Ltd., and Mr. J. H. Pike who is the Agent General for Queensland. Right, Needwood House, Stoke Newington, the largest block of flats yet built for the London County Council, and its first with eight storeys, was opened on February 17. It is designed by the LCC Housing Architects. The only higher municipal flats in London are those of 10 storeys being built by Holborn Borough Council. Needwood House is the first of four eight-storey blocks on the Woodberry estate of 45 acres, which will eventually house 1,765 families. Most of them will live in five-storey and eight-storey blocks of flats, but there will also be some cottages and maisonnettes and two-storey blocks of flats. Needwood House was originally designed as a steel-framed brick-faced construction but is now being erected in monolithic concrete. The contractors are Messrs. Holland & Hannen and Cubitts, Limited.



At The Ideal Home Exhibition

This year's Ideal Home Exhibition, which opens on March 1, will contain a group of houses built by the Ministry of Health, and will include for the first time since the war examples of houses built by private enterprise. This sketch by Gordon Cullen shows the MOH's three-storey terrace houses as they will appear. One part of the MOH building comprises a three-storey house, the

rest of it is devoted to exhibiting other kinds of dwellings—a maisonnette and two types of flats. The building has been designed as a means of showing all these various types of dwellings in a well-proportioned group, giving an idea of a terrace building in three storeys. The sketch also shows, on the left, a view of the Unity permanent prefabricated house constructed of pre-cast concrete units.

MR. MILNER GRAY is to lecture for the British Council in Australia and New Zealand.

Mr. Milner Gray is an experienced industrial designer, and was appointed Royal Designer for Industry in 1938, and Fellow of the Society of Industrial Artists in 1945. He was Principal of the Sir John Cass School of Art from 1937 to 1940. In 1940 he formed the exhibitions branch of the Ministry of Information and remained in charge of the Ministry's exhibition design until 1944 as Principal Design Adviser. He is at present Director of the Design Research Unit of London and New York.

licence, it is estimated that the work will take 12 years to complete. Excavations for the south side of the eastern bay of the nave show that the upper layers of the sandstone rock are so soft and friable that it is necessary to go down some 20 ft. below the floor level of the cathedral to reach rock solid enough to bear the weight of the building.

★★

The Minister of T. and C.P. has approved the proposed LIVERPOOL CENTRAL RECONSTRUCTION AREA.

It comprises forty-six and a quarter acres of the blitzed shopping area, is the greatest scheme yet handled by the Ministry, and involves the vicinities of Lord Street, Ranelagh Street and Hanover Street. It is the first scheme of its kind in the country to be approved without modification. The declaratory order enables the

Corporation to purchase compulsorily all sites and properties required for laying out and redeveloping the area as a whole.

Architect SVEN MARKELIUS, is to receive Yale University's Howland Memorial Prize.

The Howland Medal is "awarded to the citizen of any country in recognition of some achievement of marked distinction in the field of literature or fine arts or the science of government." Mr. Markelius was graduated from the Stockholm Institute of Technology in 1913 and the Art Institute in 1915. He has designed numerous office buildings, apartment houses and private villages, and created the plan for the Swedish Pavilion at the New York World's Fair in 1939. Mr. Markelius is coming to this country next spring and will serve as Visiting Critic in Advanced Architectural Design at Yale.

A licence has been granted for the building of the first bay of the nave of LIVERPOOL CATHEDRAL.

Because of the small annual expenditure to be permitted under the terms of the

★
***The Minister of T and CP
has set up the BASILDON,
ESSEX, DEVELOP-
MENT CORPORATION.***

The members of the corporation are:—Sir Lancelot Keay (chairman), past president of the Royal Institute of British Architects; Mr. E. L. Protheroe (vice-chairman), lately Chief Engineer and Secretary to the Punjab Government; Mr. Mark Auliff, a member of London County Council since 1937; Alderman Mrs. Gregory, a member of West Ham Council for 25 years and Mayor in 1941-42; Mr. F. Jobson, managing director of Jobson and Beckwith, Limited; Mrs. W. M. Knight, Mayor of East Ham, and a member of East Ham Council since 1934; Colonel S. A. Smith, a member of Essex County Council and County Planning Committee.

★
***The RIBA is assuming administra-
tive responsibility for the BRITISH
NATIONAL COMMITTEE
OF THE INTERNATIONAL
UNION OF ARCHITECTS.***

The following have been invited to accept appointment to the British National Committee: Professor Sir Patrick Abercrombie, Mr. A. F. B. Anderson, Mr. S. L. G. Beaufoy (Ministry of Town and Country Planning), Mr. H. T. Cadbury-Brown, Mr. Kenneth Campbell, Lieut.-Colonel H. P. Cart de Lafontaine, Mr. Anthony Chitty, Professor H. O. Corfiato, Mr. R. A. Duncan, Mr. R. E. Enthoven, Mr. H. M. Fletcher, Mr. J. H. Forshaw (Ministry of Health), Mr. R. J. Gardner-Medwin (Scotland), Mr. Erno Goldfinger, Mr. H. S. Goodhart-Rendel, Mr. Leslie Grahame-Thompson (Scotland), Professor W. G. Holford, Mr. Kenneth J. Lindy, Mr. Arthur Ling, Mr. H. V. Lobb, Mr. B. Lubetkin, Mr. F. McArdle (Northern Ireland), Mr. R. H. Matthew, Mr. J. M. Richards, Mr. Howard Robertson, Mr. W. A. Rutter (Ministry of Works), The Hon. Godfrey Samuel, Professor Gordon Stephenson, Sir Percy Thomas (Wales), Mr. F. R. Yerbury, Mr. F. R. S. Yorke.

***Scottish sculptors are to submit
designs for a SCOTTISH COM-
MANDO WAR MEMORIAL.***

A site has been obtained on the height above Gairloch Bridge, Inverness-shire, overlooking the Caledonian Canal, and it is intended that the memorial should be unveiled in the summer of next year. The arrangements are being made by the Commando Benevolent Fund, 136, Renfield Street, Glasgow, and the designs submitted will be judged by Sir Frank Mears, Sir William Reid Dick, Mr. Douglas Percy Bliss, and Dr. T. J. Honeyman.

***The ROME SCHOLARSHIPS
in Architecture, Mural Painting,
Sculpture and Engraving.***

It has been decided to increase the value of these Scholarships to £375 a year in view of the higher cost of living and travel in Italy. The increase will apply to the Scholarships offered for award in 1949, the general regulations for which have already been circulated and which should be amended accordingly.

THE CIAM SUMMER SCHOOL

A UNIQUE opportunity is to be presented to a selected few of the younger members of the architectural profession by the Mars Group. For the first time a school is to be held, not for students, but for those who are graduates. For those who, with a certain amount of practical experience, have had the opportunity to realize their shortcomings but are also fully aware of the potential worth of an opportunity for further study at a school. The length of the course will be short, but in the few weeks it runs the students will have an unparalleled opportunity to meet some of the great names in the profession. It so happens that the seventh CIAM Congress is to be held at Bergamo in Italy during the summer, so it will be possible for architects such as Walter Gropius and Sert from the United States, Niemeyer from South America, the Syrkus's from Poland and others who are normally outside the visiting range to come to the school as visitors and lecturers in addition to those more neighbouring architects, Le Corbusier, Van Eesteren and Giedion.

The continuity of the development of modern architecture has been crippled by the long cessation of building during the war. The oncoming generations of architects are the most affected by this break in the growth of a movement. With few finished buildings to study, and those few providing no impression of the full scope of architecture, but only of those types of buildings which a strict economy enforces on the nation, the young architect has little source of inspiration. Time and again he has to fall back on the study of buildings over ten or twenty years' old as the latest examples of so-called new methods of construction and planning. The financial restrictions, quite apart from the normal difficulties of post-war travel, again works primarily against the younger man. He is thus forced to rely largely on the study of photographs for inspiration and for the assimilation of contemporary trends in design. The dangers of this are well known, and can be observed most readily in the work produced by students at many of our architectural schools.

However, the prospect is not really so bleak as appears at first glance. The pioneers of modern architecture in England are once more active. Although they have, as yet, few finished buildings to show, they have in their studios an immense amount of designs for new towns, as well as buildings, all of which will set new standards for the post-war world.

The initiative and enterprise of the Mars Group in organizing this school for CIAM merits the approval and good wishes of everyone concerned in the development of present trends, and reflects the sensitivity of these bodies to the dangers that lie in the present situation for the recently qualified architect. Here will be a golden opportunity for a favoured few to meet an older generation, rich in experience, who have been closely associated with the modern movement all their lives. The students will be invigorated also by renewed contact in a school with kindred spirits of their own generation.

The Mars Group insists that the school is not a conference and is not concerned primarily with research, but with *architecture*. The programme of school subjects is to be drawn, nevertheless, from current problems in the London area and will be that mixture of the practical and the formal that we should hope for and expect. The school should provide an atmosphere in which the serious study of architecture can flourish.

Due to the war, in most countries, a whole younger generation of architects have been delayed in qualifying. This has caused a dangerous break in the flow of ideas, based on experience, between one generation and the next. The responsibility of re-establishing this continuity has been undertaken, in part, by CIAM. We can rest assured that these students, both English and foreign, will take every opportunity to profit from the experience and ideas of those who, alas, are almost due to qualify as the "Old Guard" of the modern movement.



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

BARKERS IS NOT WILLING

Those of you who may have begun to think that the LCC can do no right, may like to be reminded that sometimes at least they show signs of enlightenment. Scarcely half a mile from Campden Hill—where the dust of battle still hangs thick—the LCC have joined some residents of Kensington and the amenity societies, shoulder to shoulder in defence of Kensington Square, threatened again by the perpetual expansiveness of John Barker, Ltd.

Latest position is as follows. John Barkers, who own part of the north side of this celebrated square, want to alter some of the houses to provide access to a new loading dock. Planning

permission to do this was refused by the LCC. Barkers appealed, and last week MOTCP held an inquiry in the Thackeray Rooms at Derry and Toms (Thackeray's house in Young Street, incidentally, is among those threatened by the new scheme). The usual battle of expert witnesses ensued. "Why not build your loading dock within your own building?" say the LCC. "Because it takes up valuable floor space," says Barkers. "The square is a notable example of Georgian architecture," say the Georgian Group and the SPAB. "The houses are depreciating in value, are no longer popular, and will be replaced by flats in 20 years anyway," says a local estate agent. "Anyone would think," adds a spokesman for the residents, "that those of us who choose to live in such houses are becoming an extinct species."

To a spectator, no doubt less than fully informed upon at the circumstances, the issue is clear enough. Difficult as it always must be to balance the private convenience of the individual with the general good of the community, I prefer the architectural judgment of the SPAB to that of a local estate agent (perhaps because it concurs with my own), and I strongly support the attitude of the LCC. I hope Mr. Silkin thinks the same.

GREAT BUILDING

Le Corbusier is never out of the news. There was an interesting article in the *Manchester Guardian* the other day on

his great new block of flats at Marseilles, which recounted some of the expected oppositions and some of the equally expected triumphant vindications of the Maestro. It appears that some ministry official condemned the whole project, now reaching above the fifth floor, as being ill-lit, ill-ventilated and generally not up to standard. This condemnation, it was alleged, was made without the said official ever having inspected it. Le Corbusier insisted on the Minister himself seeing a sample flat with results which flattened the critics. The green light shone and up goes the world's first "Unite d'Habitation Le C."

Incidentally, these flats are the subject of an article in the latest number of *Plan*, the Architectural Students' Association magazine. The author rather gloomily remarks at the end: "It is significant that Le Corbusier's friends are against his building this scheme and that his enemies are delighted at the prospect of his failure."

From America comes news that Le Corbusier has protested that he has not been invited to supervise the erection of "his" design for the UNO headquarters. He felt that his advice, technical and æsthetic, was urgently needed to carry his great design to triumph. Mr. Wallace K. Harrison, who is actually doing the job, pointed out that each of the other members of the design board considered the design to be theirs. The Secretary General is framing a reply. I hope the old League of Nations quarrels are not going to be repeated.

THE LANDSCAPE PROBLEM

Professor Tunnard's book *Gardens in the Modern Landscape*,* of which a new and revised edition has recently been published, has drawn some interesting comments from a Pembroke-shire farmer. He points out that even so distinguished an exponent as Professor Tunnard appears to confuse the countryside with "nature." Though the raw material of most of the English landscape is natural, the whole expression of it is man-made to the last degree. Some 6,000 million man-hours are expended every year by those work-

* The Architectural Press. Price 18s. 6d.



Houses in Kensington Square, and Young Street, threatened with alteration by John Barkers, to provide access to a new loading dock at the rear of their store. See Astragal.

ing at forestry and farming, changing and modifying the rural scene which, apart from a few mountain tops and attenuated forests, has been thus continually re-created for centuries.

*

Here, it is suggested, is the function of the landscape designer. There might be one landscapist attached to each Agricultural Executive Committee to advise and help in giving this re-creation a more conscious expression. The kind of thing that Mr. Jellicoe has been doing for the environs of cement works gives a hint of the possibilities. Of course, one of the difficulties is that few architects, planners or landscape architects are trained to think in such large terms. In the 18th century, and on into the 19th, many landowners whose dominion spread over thousands of acres were conscious of these problems; no trees were felled without their knowledge and many were planted with an eye to formal relations as much as to economic needs.

*

The great landowner is no more, or, where he still exists, he can no longer control the changing landscape as he once could. The Agricultural Executive Committees, the Forestry Commission and the Ministry of Supply, to say

nothing of the various Local Authorities, have their piecemeal way. Hardly anybody plants trees today except in suburban back gardens, and in terms of tidily arranged blocks of conifers with thin lines of hardwood trees regardless of the landscape pattern or the natural characteristics of the area. Even the hedgerow elm, so characteristic a feature of many southern counties, is disappearing to be converted into coffin boards, or becoming a prey to Dutch elm disease, and the orgy of hedge trimming eliminates the suckers that might be new trees.

*

Mr. Silkin has done well to put "Trees" on his agenda and produce the recent White Paper on tree preservation. The Act of '47 made it possible for the local authorities to preserve woodland and even individual trees, but most of them have been dilatory about it. It is to be hoped that as a result of this White Paper local authorities will get busy on preservation orders and will not hold them up as long as the list of scheduled buildings or all the trees will have been turned into coffins for the next two generations before the machinery has got around to them.

ASTRAGAL

LETTERS

W. Braxton Sinclair, F.R.I.B.A.

G. A. Jellicoe, F.R.I.B.A.

Miss G. M. Hill

The Lambeth Competition

SIR.—The result of the Housing Competition illustrated in your issue of February 3, raises once more grave doubts as to the usefulness of the Architectural Competition.

In this case, the Assessor has had the temerity to advise the promoters to accept a scheme which depends for its success on the adoption of steel-framed structures for a large proportion of its accommodation, and upon the highly costly system of central heating and hot water for its services. By these very simple means the layout plan has been given the space for a more domestic character with its many three and four-storey blocks and the perplexing planning problems of chimney stacks, coal stores, and coal hoists melt away at one stroke.

But the grim facts of building costs easily show that the excessive costs of steel-framed fire-resisting construction, even alone, without the high running costs of central heating, are such as to make it impossible to employ them for domestic housing, where the all-important question is that the rentals and subsidy must meet the Government Loan Charges. Accordingly, as the rentals and the subsidy are fixed figures, it follows that a scheme cannot go forward or have any actual chance of realization when it is wholly designed without regard to this primary demand of the promoters—that it shall pay its way. Thus, it is almost certain that the Assessor's choice, if executed, will not be anything like the scheme as now presented by the drawings and given first place.

The practical experience of Housing Architects is that even with the most rigorous pruning and keeping within the limits of the simplest forms of brick construction and the most economical services, the costs of building can with difficulty be kept within the economic factors demanded.

London

W. BRAXTON SINCLAIR

Hope Valley Cement Works

SIR.—Major Haythornthwaite is correct about the chimney to be erected in the Hope Valley (see this column, JOURNAL February 3), but shares with other writers to the Press a misapprehension about the objective of the landscape plan of 1943. The purpose of this plan was not to screen or camouflage the clay excavations, but, mainly by afforestation and partly by lakes, to restore them to fertility. The somewhat hesitant planting of a few thousand trees over the last five years has clearly not allayed the suspicion that in fact "gradually . . . the best farmland . . . will be taken for clay and left pitted and useless for ever."

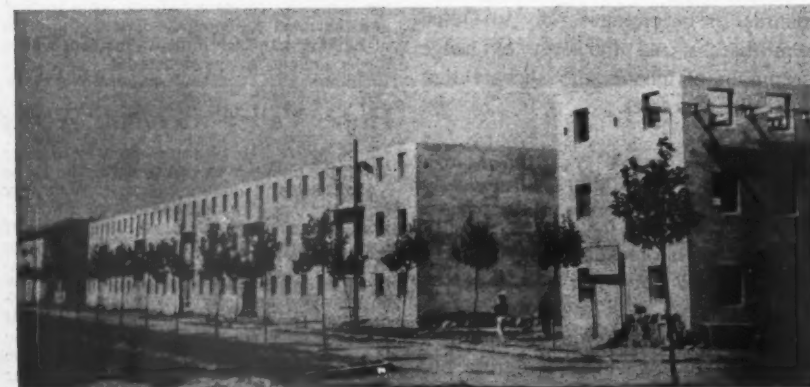
London

G. A. JELlicoe

Project for a London Sports Centre

SIR.—There is no doubt that London, looking to the future, can rightly expect increased facilities for its fun and games. And so it was interesting to see in a recent issue of the Journal a most ambitious scheme for the supplying of such needs. I am referring, of course, to the project for a sports centre for London.

SANTANDER REBUILT



The Spanish port of Santander was swept by a hurricane in February, 1941, which caused damage estimated at over £6 millions. Fires in the city burned for two days and affected more than two hundred buildings. The reconstruction of the city is now nearing completion, and the photographs on this page show some of the work that has been done and can be taken as an indication of the kind of architecture that post-war Spain is producing. Top, a general view of reconstruction work from the Plaza Becedo; centre, the new railway station; above, part of the new fishermen's quarter; left, the rebuilt main street

The site seems admirable and full use is made of our sadly neglected River Thames. The thing that strikes me, however, and, I may say, worries me, is the planned atmosphere of the whole scheme.

Granted full use is made of natural landscape, but the way in which every little need is provided for, and functionally related, gives rise to a deep feeling that the old world has definitely been left behind and the new, with everything on tap, has arrived.

This criticism, of course, applies to much of the new world planning. Good or bad, we have got to face this future, and there is no doubt that many young architects are tackling the problems with vision and understanding.

I would, however, like to put in a plea for a realistic approach. We must keep in step with economic stability, and I am afraid we have got to crawl for quite a while yet. I have discussed the project with "the man in the street," and the general impression is that many of the facilities suggested may only be used once or twice a year. How often are we likely to have Olympic or international sports there? Bearing these facts in mind, it is difficult to see how such a project could maintain itself.

Rye

G. M. HILL

In Parliament

At question-time in the House of Commons, Major Guy Lloyd (Con.—Renfrew E.) asked the Lord President of the Council what fees or other remuneration were to be paid to architects, exhibition designers and the like, for the work in connection with the 1951 exhibition in London and the provinces.

Mr. Herbert Morrison replied that there were a number of special factors which affected the fees to be paid for this work and these would be discussed with the appropriate professional bodies.

Major Lloyd then asked: "Are you prepared to give an assurance that every possible consideration will be given to a major share of the work going to British designers rather than to foreigners, as I understand there are many who would be glad of such an assurance?"

Mr. Morrison: "I will certainly ask that the member's representations shall be given full account."

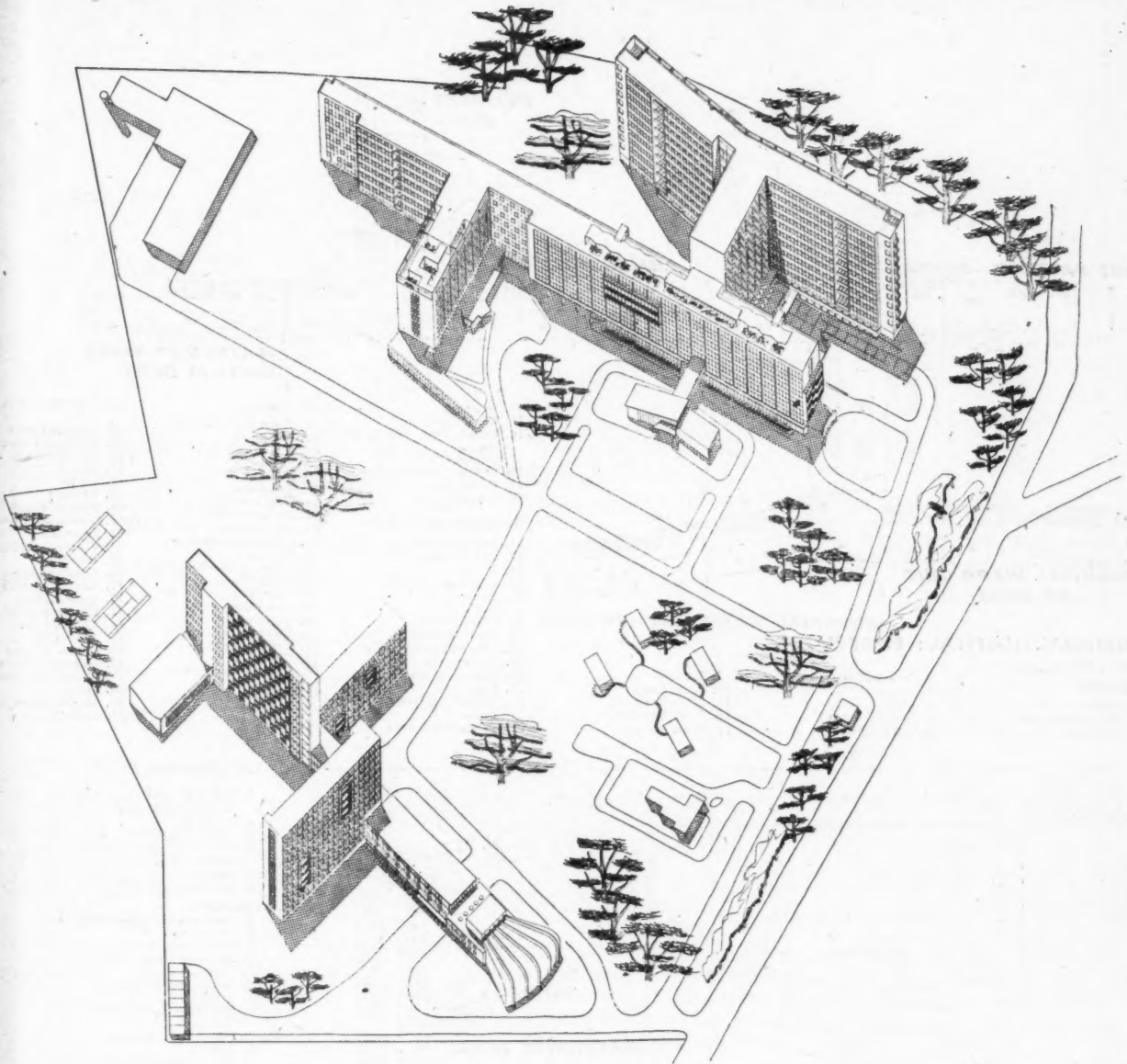
Because of the high cost of housing, Mr. Emrys Hughes (Lab.—South Ayrshire) wanted the Treasury to consider refunding the import duty paid by local authorities on timber houses imported from Sweden.

Mr. Glenvil Hall, Financial Secretary to the Treasury, turned the proposal down. He mentioned that the number of timber houses imported from Sweden between May, 1945, and December, 1948, was 5,001, and the duty paid £433,997. "I am not prepared to authorize the refund of the duty legally chargeable under the Import Duties Act, 1932, whether the houses were imported for local authorities or other persons," he added.

Mr. Hughes declared that it constituted a heavy tax on housing and asked Mr. Hall to pass on his suggestion to the Chancellor of the Exchequer so that he might consider it before his next Budget.

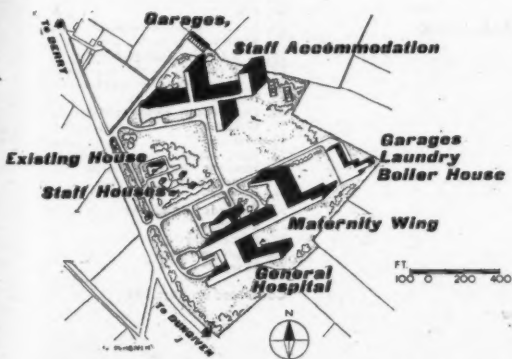
"I think the Member forgets that there was a special subsidy on these houses," Mr. Hall reminded him.

The Landlord and Tenant (Rent Control) Bill, which Mr. Bevan, the Minister of Health, described as "an umbrella over the heads of tenants," passed the committee stage after a gruelling two-days' debate. Before it got through, Mr. Bevan disclosed that his promised new Bill dealing with the reconditioning of property is to make its appearance within three weeks.



HOSPITAL AT LONDONDERRY

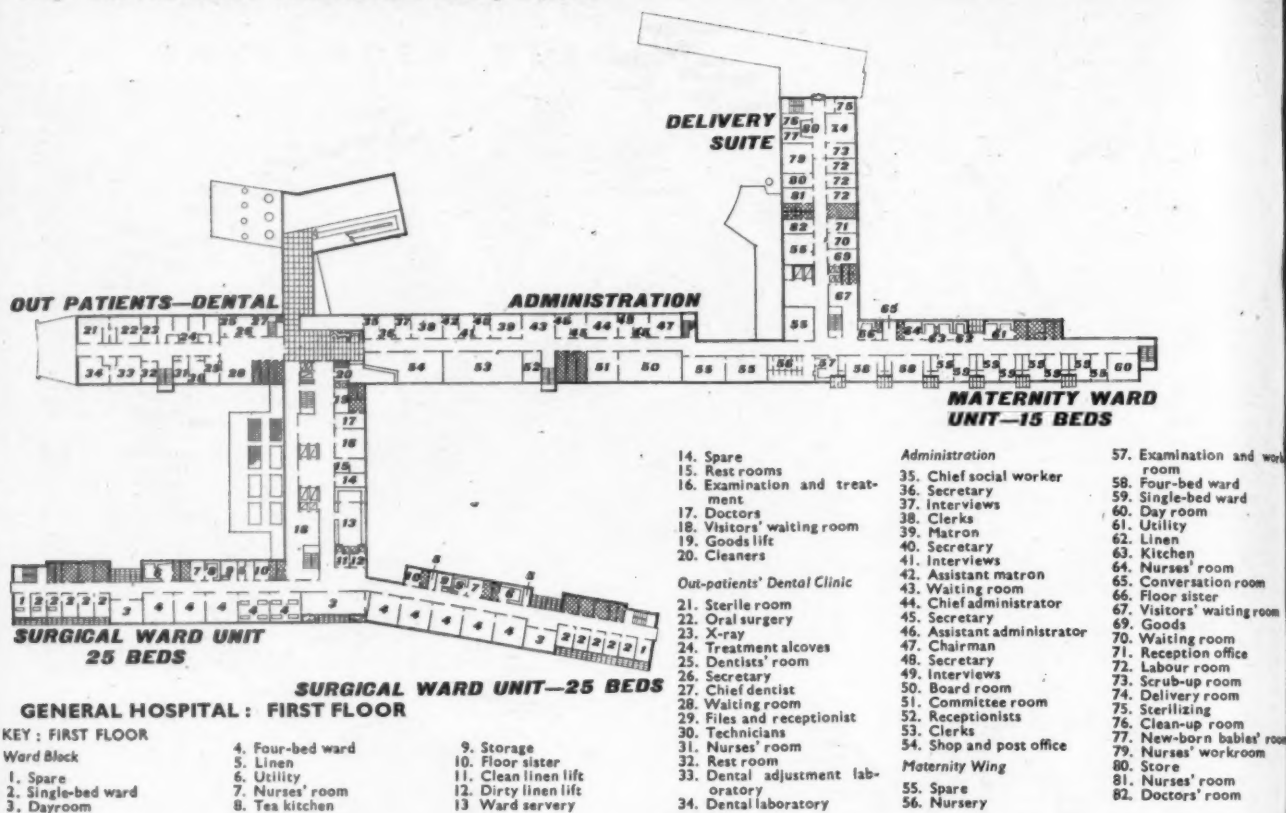
BY F. R. S. YORKE, E. ROSENBERG,
& C. S. MARDALL



Left, site plan; above,
an axonometric view of
the whole site.

GENERAL. — Designed as the principal general hospital for Londonderry and the north-west of Northern Ireland, this building will serve approximately 100,000 people. Though not a teaching hospital, it will provide training for nurses and midwives.

The site, of about 30 acres, is two miles from the city and commands beautiful views. The southern end slopes fairly steeply towards the





GENERAL HOSPITAL: FOURTH FLOOR

KEY: FOURTH FLOOR

Ward Block
1. Spare
2. Single-bed ward
3. Day room
4. Four-bed ward
5. Linen
6. Utility
7. Nurses' room

8. Tea kitchen
9. Storage
10. Floor sister
11. Clean linen lift
12. Dirty linen lift
13. Ward servery
14. Spare
15. Rest rooms

16. Examination and treatment
17. Doctors
18. Visitors' waiting rooms
19. Goods lift
20. Cleaners
21. Stretchers

Operating
22. Operating theatres
23. Sterile instruments
24. Scrub-up room
25. Recovery
26. Anaesthesia
27. Nurses' workroom
28. Storage
29. Plaster
30. Resident surgeon
31. Examination room
32. Ante-room
33. Anaesthetist's room
34. Small laboratory
35. Theatre supervision
36. Theatre sister
Occupational Therapy
37. Chief therapist
38. Secretary
39. Doctors
40. Examination
41. Rest rooms
42. Photography
43. Leatherwork and handicrafts
44. Wireless
45. Woodwork, etc.
46. Staff room
47. Apparatus
48. Gymnasium
49. Class room

50. Files
51. Receptionist
52. Waiting room
Maternity Wing
53. Spare
54. Workroom
55. Examination
56. Nursery
57. Single-bed ward
58. Day room
59. Utility
60. Linen
61. Kitchen
62. Nurses' room
63. Doctors' room
64. Floor sisters
65. Bed-pan room
66. Visitors' waiting room
67. Goods
68. Waiting room
69. Reception office
70. Labour room
71. Scrub-up room
72. Delivery room
73. Sterilization
74. Clean-up room
75. New-born babies' bath
76. Store
77. Nurses' workroom
78. Nurses' workroom
79. Doctors' room

KEY: GROUND FLOOR—Continued

40. Cold, narcotic and poison stores
Casualties and Admitting
43. Enclosed ambulance bay
44. Walking casualties waiting room
45. Undressing and rest room
46. Emergency examinations and treatment room
47. Plaster
48. X-ray and oxygen
49. Reception
50. Doctor
51. Nurses
52. Duty room
53. Tea kitchen
54. Two-bed ward (night casualties)
55. Four-bed ward (night casualties)
56. Utility
57. Officer in charge
58. Assistants
59. Clerks (property custodian)
Administration
60. Telephone exchange
61. Medical records
62. Assistants
63. Librarian
64. Housekeeper's office
65. Assistant
66. Director of personnel
67. Secretary
68. Interview room
69. Clerks (personnel)
70. Purchasing agent
71. Business manager
72. Secretary and typists
73. Cashier
74. Accountants
75. Bookkeepers
76. Night porters
77. Administration entrance

Visitors
78. Visitors' entrance hall
79. Cloak room
80. Prams
81. Crèche
Maternity Wing
82. Spare
83. Nursery
84. Examination and workroom
85. Four-bed ward
86. Single-bed ward
87. Day room
88. Utility
89. Linen
90. Kitchen
91. Nurses' room
92. Conversation room
93. Sister
94. Visitors' entrance
95. Cloakroom
96. Refreshments
97. Visitors' waiting room
98. Ambulance entrance
99. Main entrance hall
100. Reception
101. Social workers
102. Almoner
103. Interviews
104. Laboratory
105. Patients' rest room
106. Doctors' room
107. Nurses' room
108. Spare
109. Examination and treatment
110. Pharmacy
111. Interviews
112. Matron
113. Assistant matron
114. Chief administrator
115. Records
116. Accountants and clerks
117. Crèche
118. Prams

south, and the main buildings are situated on the brow, with all wards facing south or S.S.E.

PLAN.—A total of 576 patients' beds is provided, distributed as follows: Maternity, 70; Antenatal, 30; General surgery, 175; General medical, 150; Paediatrics, 40; Gynaecology, 35; Ophthalmology, 20; Ear, nose and throat, 30; Dermatology, 10; Psychiatry, 8; Sick staff, 8.

General Hospital.—There are three main blocks, grouped in H-form. The twelve-storey south block contains all wards, and the eight-storey north wing comprises administration, therapy, operating suites, laboratories.

Maternity.—The two blocks are grouped in T-form. The eight-storey south block contains all wards, and is a continuation of the general hospital north block. Entrances, lifts, main circulation, delivery and treatment rooms are in the maternity group north block.

DEPARTMENTS.—(a) *General hospital ward units.* These are 25-bed units, two per ward, sharing kitchen, examination, treatment and rest rooms; doctors' room and visitors' waiting-room. Other

ancillary features are duplicated. Each unit has five 4-bed and five single-bed wards.

(b) *Maternity and ante-natal ward units.* Each has fifteen beds, in two 4-bed and 7 single-bed wards, excepting the isolation ward of 10 single-bed wards. Each ward (except the ante-natal) has its nursery, balcony, sanitary unit.

(c) *Out-patients.* At the out-patients' entrance is a crèche and pram-room, shared by visitors. The central ground floor area (general hospital building) contains reception, enquiries, classification and records (new and old patients), lift hall, refreshment and writing-rooms.

(d) *Casualty and admitting unit.* This is on the north block ground floor (west wing) with separate ambulance and walking case entrances.

(e) *Pharmacy.* This is on the ground floor, close to lifts and the out-patients' department.

(f) *Administration.* This department is on ground and first floors in the north block east wing, near the main hospital entrance. The shop and post office have separate counters for in-patients, staff and visitors.

(g) *Laboratories* are centrally placed on the north block second floor, serving the general hospital and the maternity home.

(h) *Animals* are isolated on the north block roof with special rooms for food preparation and operating.

(j) *Physiotherapy* is central, on the north block fifth floor, and easily accessible.

(k) *Occupational therapy* is on the north block fourth floor, near to ward blocks and out-patients' department.

(l) *X-ray department*. This serves the whole hospital and all units, and is central on the north block second floor, directly connected with the maternity home.

(m) *Operating suites*. There are three, each with two operating theatres, in the north block west wing, on the second, third and fourth floors. The frozen room adjoins the second floor operating suite workroom. All three suite workrooms are interconnected by an instruments lift. Of the six operating theatres, one is chiefly for casualty work, and another for the ear, nose and throat department.

(n) *Doctors' library, common rooms, dining rooms*. These are on the fifth and sixth floors of the north block west wing.

(o) *Catering, dietetics department*. These are on the lower ground floor near the loading bay and kitchen stores and have a central kitchen, servery, preparation

rooms, offices, etc. The main servery distributes food by direct lift to ward kitchens in the general hospital, and by heated electric trolley through the service corridor to the maternity home, where it is distributed by lift.

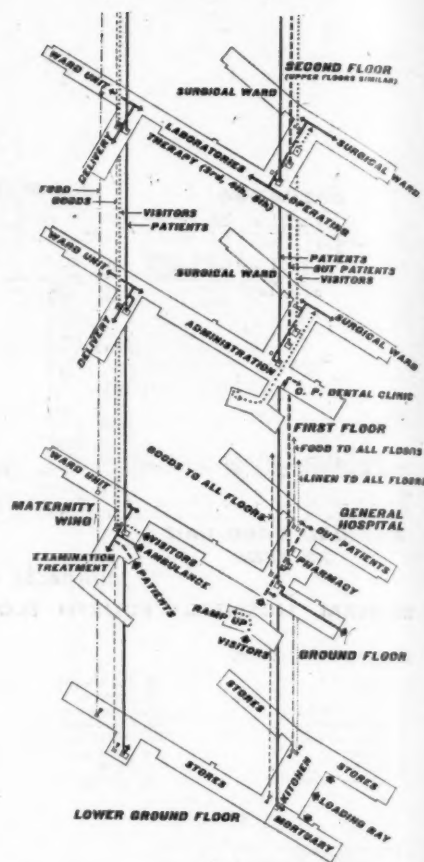
(p) *Miscellaneous*. Purchasing and issuing department, central storage, mechanical equipment, orthopaedic workshops, etc., are on the lower ground floor. All engineers' offices, firemen and boilermen, mechanics, artificers, watchmen, chauffeurs, etc., are grouped in the eastern corner of the site, together with the boiler house and laundry block.

STAFF ACCOMMODATION.—

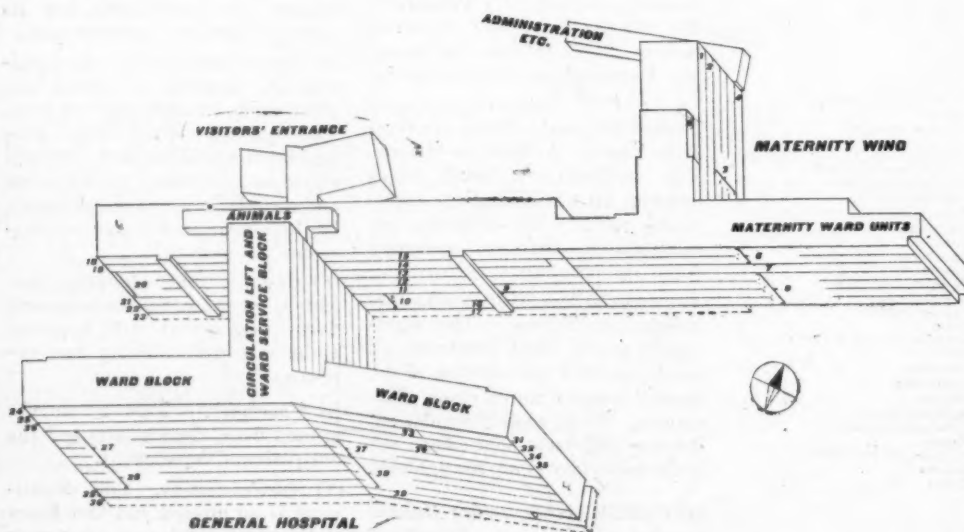
Suites with bedrooms and private sitting rooms: Medical staff, 32; General staff, 16; Sisters, chief laundress, etc., 24; 72 in all. *Single bed-sitting rooms*: Nurses, 174; Male nurses, 50; Student nurses, 108; Domestic staff, 113; General staff, 26; 471 in all. A total accommodation for 543 persons.

There are four main wings to the staff block:

Wing A. Three storeys high. On the lower ground floor are domestic staff dining and common rooms and the catering department, lockers, showers, lavatories and mechanical equipment. The ground floor contains assembly hall with stage; entrance foyer; cloakrooms, lavatories; dining and common rooms (separate for student nurses and for



GENERAL HOSPITAL: VERTICAL CIRCULATION DIAGRAM



GENERAL HOSPITAL: BLOCK DIAGRAM

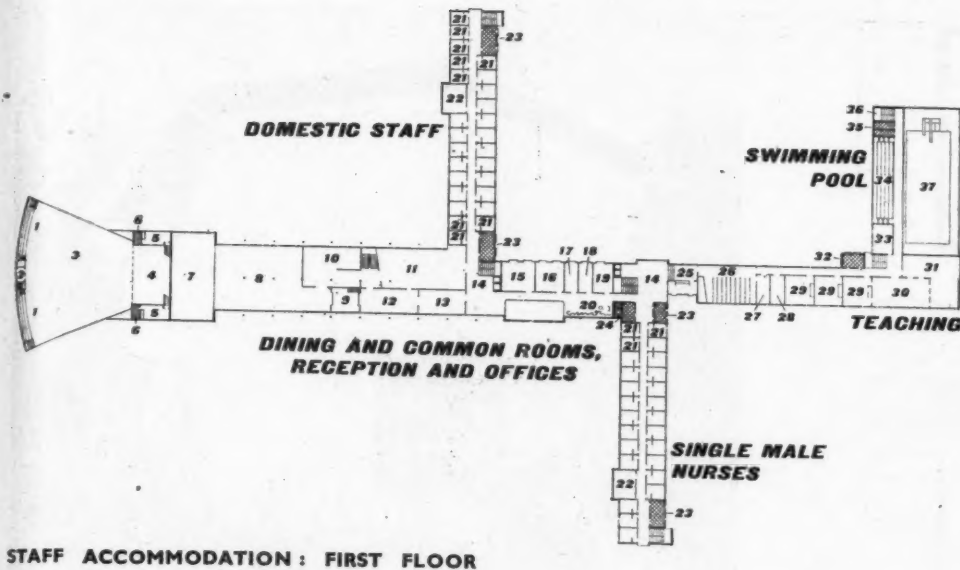
KEY: BLOCK DIAGRAM

Maternity Wing

1. Prematures
2. Septic delivery
3. Delivery suites
4. Administration
5. Mothers
6. Ante-natal
7. Septic
8. Maternity

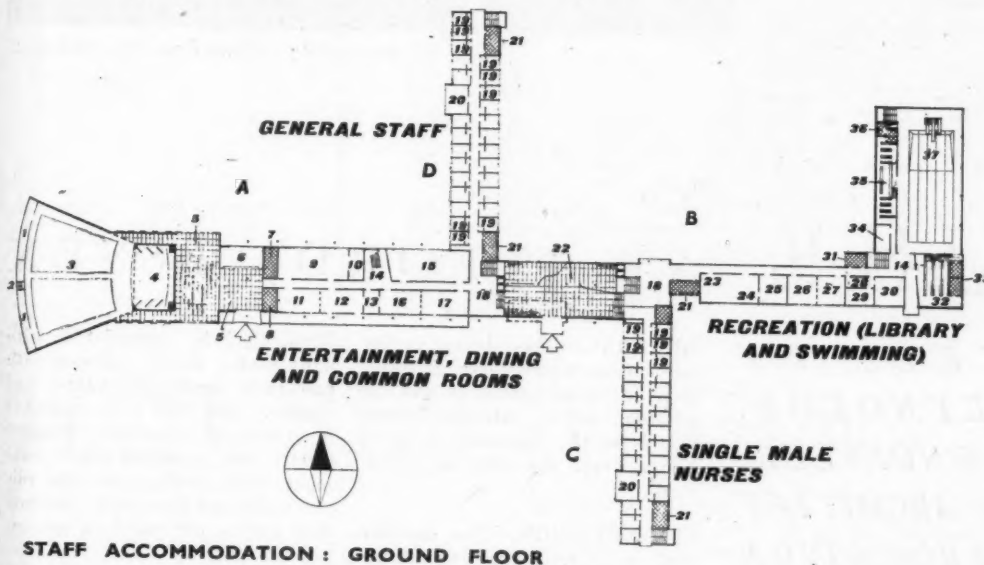
General Hospital

9. Laboratories
10. Administration
11. Patients' Library
12. X-ray
13. Occupational therapy
14. Physiotherapy
15. Research and spare
16. Ground floor
17. Lower ground floor
18. Doctors' dining room, etc.
19. Medical library
20. Operating
21. Out-patients, dental
22. Casualties, etc.
23. Mortuary
24. Paediatrics
25. Gynaecology
26. Ophthalmic
27. Medical
28. Surgical
29. Ground floor—out-patients
30. Lower ground floor, stores, kitchens, etc.
31. Paediatrics
32. Sick staff
33. Gynaecology
34. Ear, nose and throat
35. Psychiatric
36. Dermatology
37. Medical
38. Surgical
39. Out-patients



KEY: FIRST FLOOR

1. Low gallery
2. Projection rewinding and escape
3. Upper part of hall
4. Upper part of stage
5. Green rooms
6. Lavatories
7. Upper part of foyer
8. Nurses' dining room
9. Servery
10. Games room
11. Nurses' common room
12. Sisters' dining room
13. Sisters' common room
14. Lifts and stairs vestibule
15. Visitors
16. House sister
17. Waiting room
18. Interview
19. Office (warden)
20. Waiting hall
21. Single bed-sitting room with lavatory basin
22. Quiet room
23. Lavatory accommodation comprising 3 W.C.'s, 3 baths, cleaners' store and tea kitchen
24. Sewing and ironing room for personal laundry
25. Ante-room and cloaks
26. Lecture room
27. Preparation
28. Tutors
29. Class rooms
30. Demonstration model ward
31. Housecraft and demonstration kitchen
32. Lavatories
33. Hairdresser
34. Gallery
35. Lavatories, men and women, for public
36. Emergency stairs
37. Upper part of swimming bath



KEY: GROUND FLOOR

1. Chair store
2. Escape from projection room over
3. Entertainments hall
4. Stage
5. Foyer and entrance
6. Cloaks
7. Men's lavatories
8. Women's lavatories
9. Student nurses' dining room
10. Servery to nurses' dining room
11. General common room
12. General dining room
13. Servery to dining room
14. Staircase vestibule, notices, etc.
15. Student nurses' common room
16. Medical staff dining room
17. Medical staff common room
18. Lifts and stairs vestibule
19. Single bed-sitting room with lavatory basin
20. Quiet room
21. Lavatory accommodation comprising 3 W.C.'s, 3 baths, cleaners' store and tea kitchen
22. Main entrance hall
23. Library
24. Librarian
25. Study and reading room
26. Permanent lecturers
27. Visiting lecturers
28. Waiting
29. Assistant instructress
30. Instructress
31. Lavatories
32. Women's changing room
33. Women's W.C.'s
34. Instructress
35. Men's changing room
36. Men's W.C.'s
37. Swimming bath

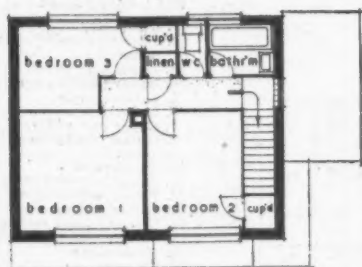
medical and general staff) with serveries; and the main entrance hall with lifts and enquiries. On the first floor are film operators' rooms; green rooms; games room; dining and common rooms for sisters and for nurses, with serveries; visitors' rooms; waiting and interview rooms and the house sisters' offices.

Wing B. Eleven storeys high, containing all suites with bedrooms and private sitting-rooms, with teaching accommodation and swimming pool on ground and first floors. On the lower ground floor are main linen and blanket stores; mending room; swimming pool filtration plant and offices. The ground floor contains library; study and reading room; rooms

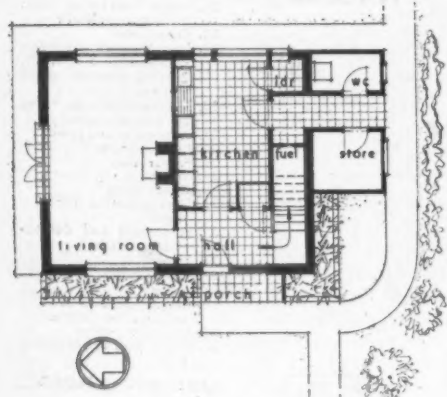
for lecturers and instructresses; waiting-room; lockers for swimming pool and the physical instructors' room. The first floor contains three class rooms; demonstration and model ward; rooms for lectures; preparation; housecraft and tutors; hair-dresser's shop and the swimming pool gallery. Each floor has a quiet room and a group of cleaners' rooms, W.C.'s and a tea kitchen. The two-room suites comprise sitting-room, bedroom, bathroom and entrance hall.

Wing C. Seven storeys high, including lower ground floor, which contains box rooms. Each floor from ground to fifth is completely self-contained, comprising single room accommodation for student nurses and for male nurses.

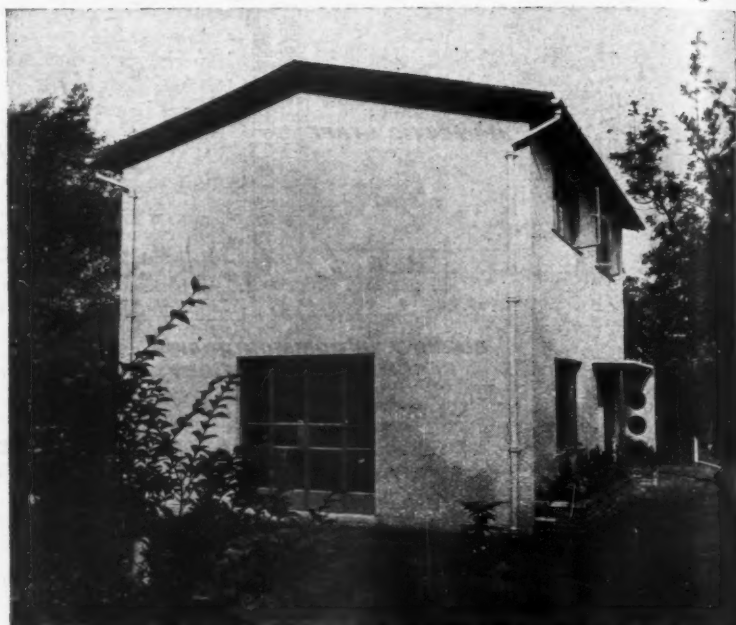
Wing D. Eleven storeys high, including lower ground floor. On all floors are single rooms for nurses, general and domestic staff, each with a lavatory basin and fitted wardrobe. Staggered entrance doors in the corridors give greater privacy. Each floor has a quiet room, bathrooms and a tea kitchen, with personal laundries and shampoo rooms on alternate floors.



FIRST FLOOR PLAN



GROUND FLOOR PLAN (Scale: $\frac{1}{8}'' = 1'0''$)



From the north-west; below, from the south-west.

HOUSE AT ILFORD, ESSEX

DESIGNED BY
L. E. J. REYNOLDS,
BOROUGH ENGINEER,
SURVEYOR & ARCHITECT
IN COLLABORATION
WITH L. G. VINCENT

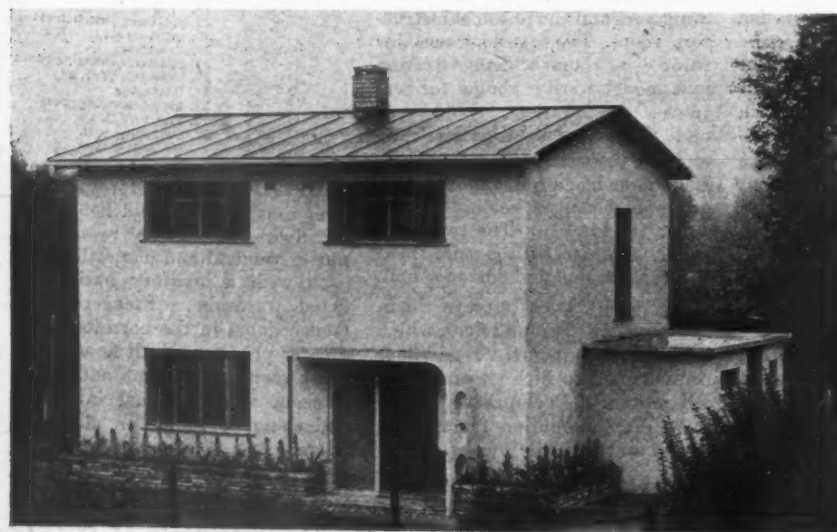
GENERAL.—This design is for two houses which serve as dwellings for head gardeners and, in addition, act as entrance lodges. One is at the entrance of Seven Kings Park, the other in South Park.

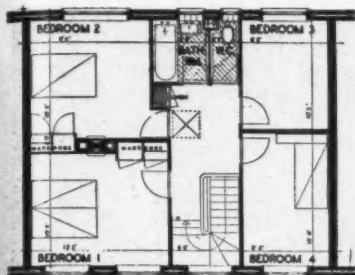
CONSTRUCTION.—The exterior walls are in brick rendered externally and finished with stippled stone paint with rough texture.

Main roof is constructed with light timber trusses covered with one inch insulating board and copper. Flat roof over annexe is in reinforced concrete. Window frames are standard steel casements with buff quarry tile sills externally and internally. Internal door frames are standard pattern pressed steel.

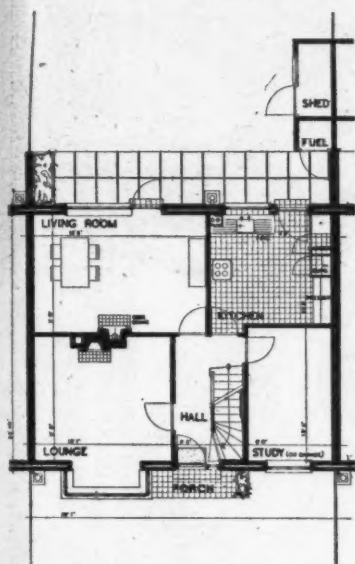
Ground floor is water-proofed concrete; living room is finished with mastic asphalt flooring, and hall, kitchen and annexe are tiled with 9 in. by 9 in. buff quarries. The two main bedrooms are centrally heated from a boiler combination grate in the living room in conjunction with an indirect cylinder in the linen cupboard on first floor, this also supplies hot water service to the kitchen and bathroom. Light to the entrance hall and first floor landing is admitted by a panel of built-in glass bricks. A flower box constructed in coursed stone rubble of random lengths runs along the foot of the front wall and returns by the porch along the flank wall to the annexe.

The building was carried out by the building department of the Ilford Corporation under the direction of the borough engineer. For list of sub-contractors see page 196.





FIRST FLOOR PLAN



GROUND FLOOR PLAN
(Scale: $\frac{1}{8}"=1'0"$)



A typical elevation.

HOUSES AT CATFORD, LONDON

DESIGNED BY
R. JELINEK-KARL

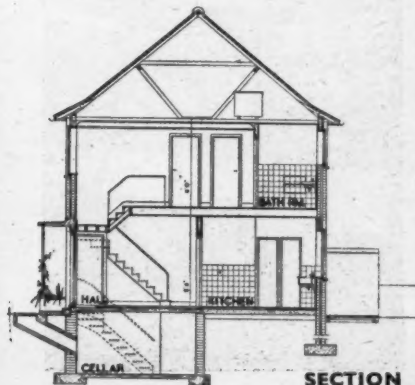
GENERAL.—This terrace has been built to replace houses destroyed during the war. The opportunity has been taken to modernise and replan the layout. One of the conditions of the site was that the existing foundations had to be re-used. In three of the houses a garage has been provided in lieu of a study.

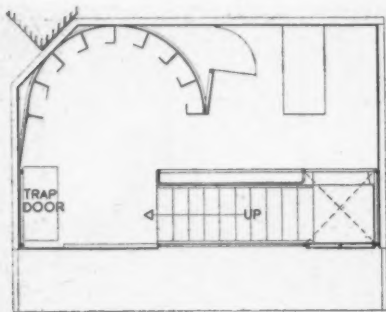
CONSTRUCTION.—This is traditional. Party walls are 9-in. brick

and external walls 11-in. cavity. Internal partitions are of 4½-in. brick, and cupboard partitions of 3-in. breeze blocks. The front elevation is of sand-faced flettons.

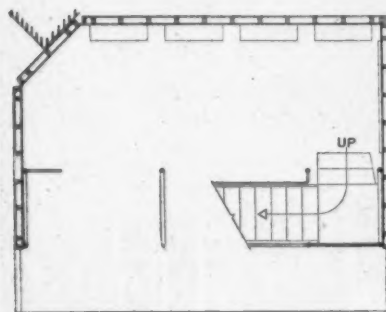
FINISHES.—The floors are of wood block on the ground floor, except for the kitchen, which is tiled. Other floors are boarded. Walls are papered, except for the kitchen and bathroom, which are painted. For sub-contractors see page 196.

Below, the terrace.





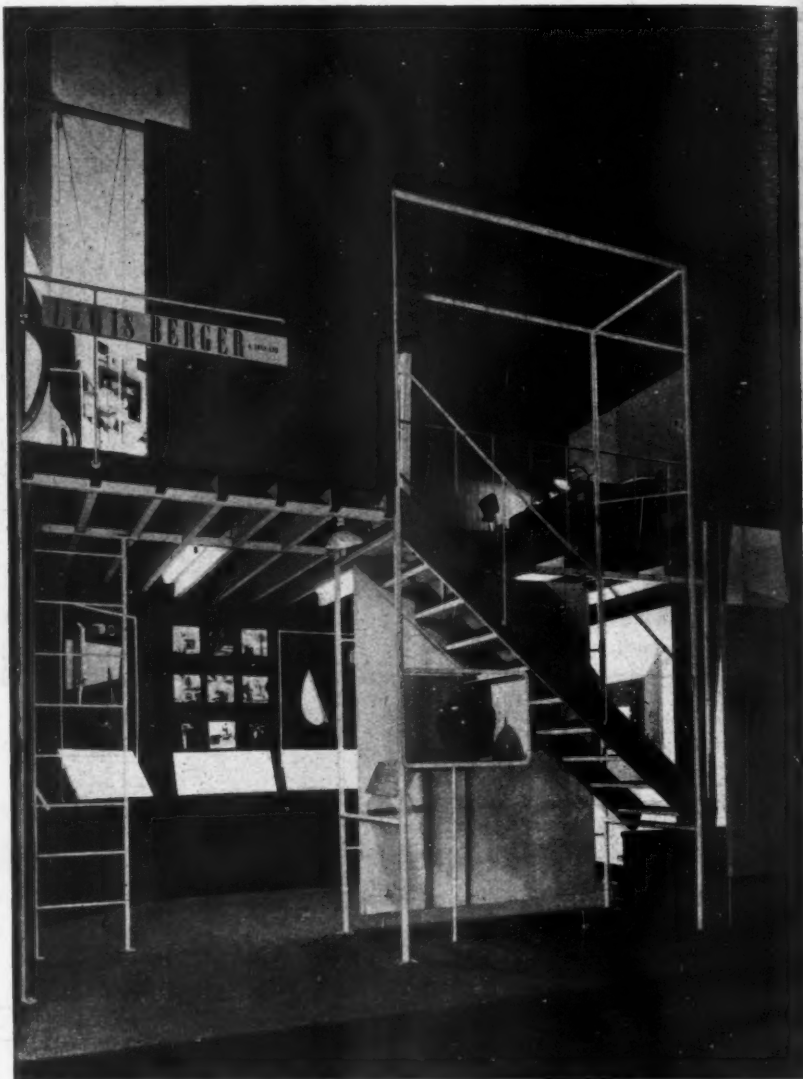
FIRST FLOOR PLAN



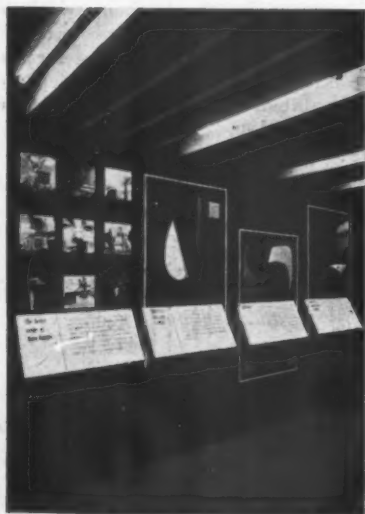
GROUND FLOOR PLAN

(Scale $\frac{1}{8}'' = 1'0''$)

Right, a general view; below, the rear wall of the stand.



EXHIBITION STAND DESIGNED BY THE ALAN BEST GROUP. ASSOCIATE DESIGNER: STEFAN BUZAS



GENERAL.—This stand displayed the paints of Lewis Berger & Co., at the last Motor Show at Earls Court. The restricted site (14 ft. by 18 ft. overall floor area, with a 3 ft. set back "building line"), and the general distracting surroundings imposed a very restrained and strictly controlled character on the design of the stand. The recommended fascia line for "double-decker" stands (between 9 ft. 0 in. and 14 ft. 6 in. above floor level) was felt to be too heavy and too enclosed. Therefore the stair was exposed and the open stair well

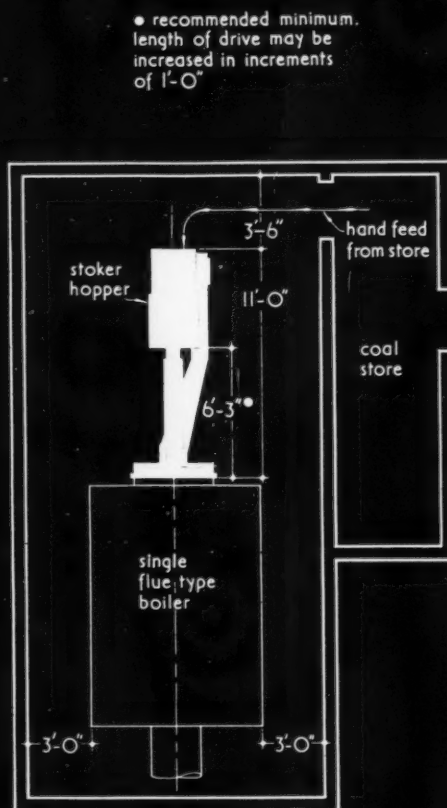
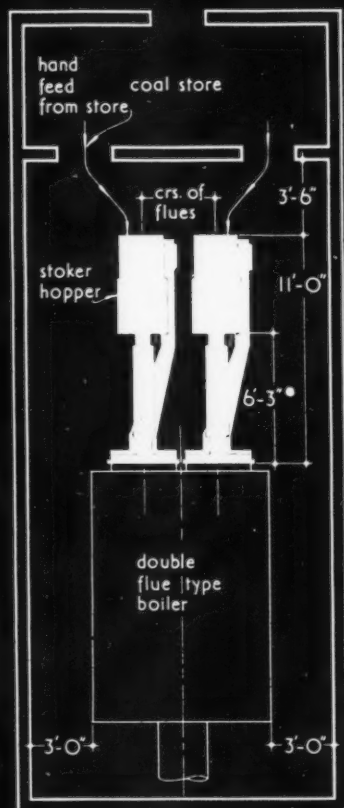
imparted a feeling of spaciousness. The three main panels were painted red, blue, and yellow to maintain the fresh and clean appearance.

The problem of displaying paint finishes only and not articles finished in the company's paints was solved by showing the various types of paint finishes in the form of abstract compositions, where the importance of colour and finish was not diminished by associations with recognizable objects. The black of the wall helped to show up these shapes and colours. On the first floor were two further products and an office.

SPACE HEATING | MECHANICAL STOKERS

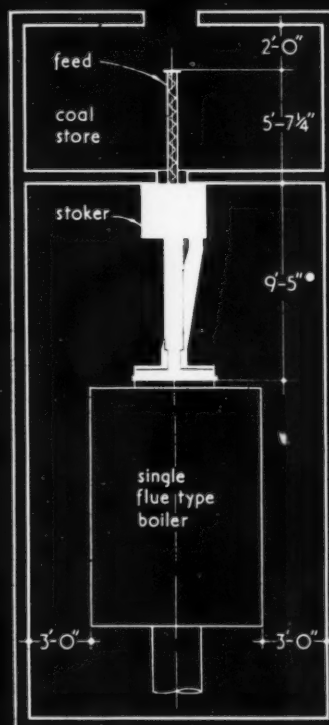
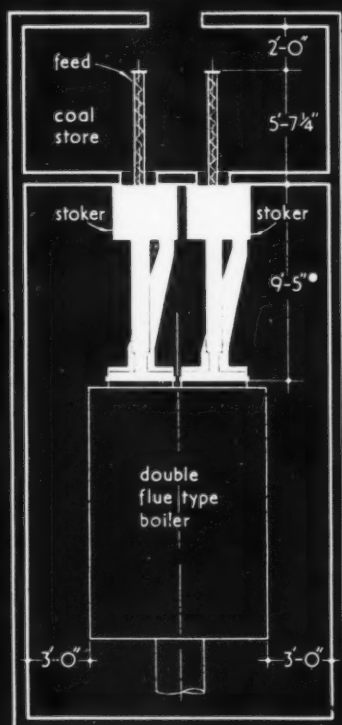
29.J6

The Architects' Journal Library of Information Sheets 147. Editor: Cotterell Butler, A.R.I.B.A.



• recommended minimum length of drive may be increased in increments of 1'-0"

HOPPER FEED MODELS: DOUBLE AND SINGLE FLUES.



note: the space taken up by the stoker is constant irrespective of size of boiler or evaporation required

CHAIN DRIVE FROM STORE MODELS: DOUBLE AND SINGLE FLUES.

IRON FIREMAN STOKERS: FEEDING FLUE TYPE BOILERS.

Manufacturer: Ashwell and Nesbit Ltd.

29.J6 IRON FIREMAN STOKERS : FEEDING FLUE TYPE BOILERS

This Sheet gives layout dimensions for Iron Firemen stokers feeding flue type boilers—Lancashire, Cornish, Economic, Supereconomic and Marine types.

For full details of the operation and general design of the stokers see Sheet 29.J1. Layout dimensions for sectional boilers up to 825,000 B.Th.U./hr., above 825,000 B.Th.U./hr. and vertical boilers of all sizes are given on Sheets 29.J3, 29.J4 and 29.J5 respectively.

Applications

The stokers described are suitable for Cornish boilers, double-pass and treble-pass Economics with single flues; also for Lancashire, double-pass and treble-pass Economics with double flues, depending on boiler makers' construction, design, and evaporation.

These types of boiler are horizontal and have a circular flue or flues, and the stoker retort and dead-plates are fitted at the entrance of the flues.

Compiled from information supplied by :—

Ashwell & Nesbit, Ltd.

Head Office : Barkby Road, Leicester.

Telephone : Leicester 27151.

London Office : 12, Great James Street, W.C.1.

Telephone : Holborn 9105.

Glasgow Office : 103, Douglas Street, Glasgow, C.2.

Telephone : Central 1703.

Leeds Office : 32, Headingley Lane, Leeds, 6.

Telephone : Leeds 54655.

Birmingham Office : 12, Whittall Street, Birmingham.

Telephone : Colmore 4047/8.

Manchester Office : 184, Oxford Street, Manchester, 13.

Telephone : Ardwick 1361/2.

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Editor: Cotterell Butler, A.R.I.B.A.

LEAD AND ALLOYS GENERAL DATA

10.F1

The Architects' Journal Library of Information Sheet 118. Editors: Cotterell Butler, A.R.C.S.

LEAD PIPE AND LEAD SHEET FOR BUILDING WORK

This Sheet summarises the characteristics of lead and lead alloy pipe and sheet for use in building work and gives the B.S. requirements.

Lead and Lead Alloy Pipe

Lead and lead alloy pipe is produced by extrusion from hydraulic presses. Long lengths of pipe of accurate shape and diameter, and smooth bore, are produced. In some special cases cast lead pipes are made, but they are not now common. Lead pipe is manufactured in a large number of sizes, external and internal diameter being varied according to the size and weight of pipe required. Pipe is therefore specified by internal diameter and weight per linear yard.

Pipe of rectangular section is also extruded.

British Standards: The relevant British Standards are—B.S. 602: For ordinary lead pipe. B.S. 603: For B.N.F. Ternary Alloy No. 2 pipe. B.S. 1085: For silver-copper-lead alloy pipe. These set down certain requirements which include:

- Composition of the metal.
- Uniformity of grain size.
- Freedom from defects. (The pipe shall be cylindrical, true, smooth, of uniform thickness throughout, and in all respects sound and free from pronounced drawing marks, flaws or other imperfections).
- Provision to withstand a turn pin test.
- Marking for identification. (Pipe from $\frac{3}{8}$ in. \times 4.5 lb. per yd. up to 2 in. dia. supplied to B.S. 602, 603 and 1085 shall be legibly embossed continuously along its length with the standard number, internal diameter and weight per yard).
- Weights of pipe suitable for given purposes. (See following tables.)

B.S. 1085 Lead Alloy Pipe: This alloy is composed of lead with not more than 0.005% copper and 0.005% silver.

The general properties of ordinary lead pipe are retained in pipe of this alloy and it has a greater resistance to prolonged internal pressure. Its capacity to withstand higher stresses than those which can be safely imposed on ordinary lead pipe of similar substance permits the use of lighter substance pipe than ordinary lead for most water supply purposes.

B.N.F. Ternary Alloy No. 2: This alloy is composed of lead with not more than 0.25% cadmium and 1.5% tin. Pipe made from this alloy has, like that to B.S. 1085 lead alloy, greater strength than ordinary lead pipe and the same reductions in substance can be made for supply and distribution piping.

This alloy pipe can be worked in the same way as ordinary lead but is not quite so easily manipulated. It has increased resistance to fatigue and withstands conditions of severe vibration.

Sizes and Weights of Lead and Lead Alloy Pipe

The recommendations made in the B.S.s as to suitable weights of pipe for various service conditions (see following table) have been adopted by most authorities, including the Metropolitan Water Board, and will provide a guide to general requirements. Some authorities may have modified requirements to suit special local conditions and a check on local requirements is advisable.

Supply and Distribution Pipes

For pipes to be used for hot water the maximum pressures for which the supply pipes in the three categories may be used is reduced to 100 ft. head of water (48 lb./sq. in.), 175 ft. head of water (76 lb./sq. in.) and 250 ft. head of water (108 lb./sq. in.) respectively.

Owing to the absence at present of definite information on the relative behaviour of alloy pipe and ordinary lead when buried in corrosive soil, the weight of pipe to be laid in the ground should be the same as that for B.S. 602 unless otherwise agreed.

Internal dia. (in.)	British Standard	Weight per yd (lb.) for given pressures			External dia.	
		150 ft. max. head of water (65 lb./sq. in.)	exceed'g 150 ft. head but 250 ft. max. (108 lb./sq. in.)	exceed'g 250 ft. head but 350 ft. max. (152 lb./sq. in.)	In.	Nearest 1/64 in.
$\frac{3}{8}$	602	4.5	5	6	0.727 0.757 0.812	47/64 3/4 13/16
$\frac{1}{2}$	603 and 1085	3	3.5	4	0.632 0.666 0.697	5/8 21/32 45/64
$\frac{3}{4}$	602	6	7	9	0.876 0.924 1.014	7/8 59/64 1- 1/64
$1\frac{1}{8}$	603 and 1085	5	5	6	0.825 0.825 0.876	53/64 53/64 7/8
$1\frac{1}{4}$	602	9	11	15	1.157 1.229 1.359	1- 5/32 1-15/64 1-23/64
$1\frac{3}{8}$	603 and 1085	6	8	12	1.040 1.119 1.264	1- 3/64 1- 1/8 1-17/64
1	602	12.5	16	21	1.442 1.543 1.677	1- 7/16 1-35/64 1-43/64
1	603 and 1085	9	13	21	1.333 1.456 1.677	1-21/64 1-29/64 1-43/64
$1\frac{1}{2}$	602	16	21	28	1.716 1.837 1.995	1-23/32 1-27/32 2
$1\frac{3}{4}$	603 and 1085	12	18	28	1.619 1.765 1.995	1- 5/8 1-49/64 2
$1\frac{7}{8}$	602	20	27	35*	1.995 2.140 2.296	2 2- 9/64 2-19/64
$1\frac{1}{2}$	603 and 1085	15	24	35*	1.882 2.079 2.296	1- 7/8 2- 5/64 2-19/64
2	602	28	38†	—	2.533 2.699	2-17/32 2-45/64
2	603 and 1085	21	38†	—	2.411 2.699	2-13/32 2-45/64

* The maximum permissible working pressure for this size and weight of pipe is 325 ft. head of water (141 lb./sq. in.) and for (†) 225 ft. head of water (97 lb./sq. in.).

10.F1 LEAD PIPE AND LEAD SHEET FOR BUILDING WORK

Soil, Waste, and Soil and Waste Vent Pipes to B.S. 602*

Internal dia. (in.)	Weight per yd. (lb.)	External diameter		Wall† thickness equal to lb. sheet lead
		In.	Nearest 1/64 in.	
1½	7	1.472	1-15/32	7
1½	9	1.740	1-47/64	7
2	12	2.244	2-1/4	7
2½	14.4	2.736	2-47/64	7
3	17.1	3.236	3-15/64	7
3½	20	3.736	3-47/64	7
4	22.8	4.236	4-15/64	7
4½	29.1	4.770	4-25/32	8
5	41	5.342	5-11/32	10
6	57	6.404	6-13/32	12

† It is common to express the substance of soil pipe as equivalent to the thickness of sheet lead, that is in lb./sq. ft.

Flushing, Warming and Gas Pipes to B.S. 602*

Internal dia. (in.)	Weight per yd. (lb.)	External diameter	
		In.	Nearest 1/64 in.
2½	1.5	0.520	33/64
3	3	0.714	23/32
3½	3.5	0.832	53/64
4	5	0.997	1
1	7	1.267	1-17/64
1½	9	1.472	1-15/32
1½	12	1.812	1-13/64
2	16	2.319	2-5/16

* These ranges of pipes are also made to B.S. 603. The external diameters given are based on theoretical calculations only and do not take into account permitted tolerances.

† Condensation pipe only. ‡ Gas pipe only.

Lengths of Lead Pipe

Lead pipe up to 1 in. internal diameter is usually marketed in coils of 60 ft. or 2 cwt: pipes of from 1 in. to 2 in. diameter, inclusive, in coils of 36 ft. or lengths of 12 ft.: pipes of more than 2 in. diameter in lengths of 10 ft. or 12 ft. These quantities vary, however, in different parts of the country.

Compo Pipe

This is a form of lead pipe, not covered by a B.S., which is used in many districts for gas distribution.

It is supplied, plain or tinned, in the following internal diameters and weights per yd.: ½ in. × 4 oz., ¾ in. × 8 oz., 1 in. × 12 oz., 1¼ in. × 1 lb., 1½ in. × 1 lb. 4 oz., 1¾ in. × 1 lb. 12 oz., 2 in. × 2 lb., 2½ in. × 3 lb. and 1 in. × 5 lb.

Lead Sheet

The greater part of the sheet lead in use to-day is produced by rolling or milling and is called milled sheet lead.

Lead sheet is known and specified by its weight per square foot, thus: three pound lead, four pound lead, and so on, the weight given always indicating the weight of one square foot of lead.

British Standard: Milled sheet lead for building work is manufactured to B.S. 1178, which sets down certain requirements. These include:

(a) Composition of metal—not less than 99.90% lead.
(b) Freedom from defects. (It shall be rolled and sound, free from inclusions, laminations and other defects).

(c) Thickness tolerance of not more than 5%.

Weights and equivalent thicknesses: The weights of milled sheet lead mostly used in building together with equivalent thicknesses, are given below.

Weight in lb./sq. ft.	Thickness			Nearest Imperial Standard Wire gauge
	In.	Nearest 1/64 in.	Mm.	
1	0.016	1/64 —	0.425	27
1½	0.025	1/32 —	0.635	23
2	0.034	1/32 +	0.85	21
2½	0.042	3/64 —	1.07	19
3	0.050	3/64 +	1.270	18
3½	0.059	1/16 —	1.50	17
4	0.067	1/16 +	1.702	16
4½	0.076	5/64 —	1.93	15
5	0.084	5/64 +	2.13	14
5½	0.093	3/32 —	2.35	13
6	0.101	7/64 —	2.56	12
7	0.118	1/8 —	2.99	11
8	0.135	9/64 —	3.42	10
10	0.169	11/64 —	4.29	7

The National Physical Laboratory indicates that the thickness of 1 lb. lead per sq. ft. is 0.01695 in.

Weight of 1 sq. ft. of lead 1 in. thick is 59.08 lb.

Sizes: B.S. 1178 states that, unless otherwise arranged, lead sheet shall be 8 ft. wide and in lengths up to 40 ft. as specified. Generally the commercial sizes of lead sheet range from 15-40 ft. in length and 7-9 ft. in width. Lead sheet can also be supplied cut to any width in rolls up to 40 ft.

Applications: Suggested suitable weights of lead sheet for various purposes are given in the Information Sheets dealing with applications.

Chemical Lead and other Alloys

B.S. 334 refers to two types of chemical lead—A and B. Type A, a high purity lead is normally specified for ordinary laboratory plumbing.

Type B may be either copper bearing (0.06%) or copper-tellurium (0.06% Cu—0.04% Te) and is primarily for use in chemical engineering. It is valuable where trouble arises from the effects of vibration.

Lead Traps

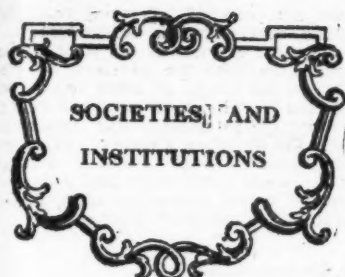
Lead traps, covered by B.S. 504, are produced by extrusion from hydraulic presses and are made in a large range of sizes and types.

Compiled from information supplied by:

The Lead Industries Development Council.

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

Telephone: Whitehall 7264.



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

RSA

Professor Robin Darwin

February 16. At the Royal Society of Arts. Extracts from the Paper by Robin Darwin, Principal, Royal College of Art, on the TRAINING OF THE INDUSTRIAL DESIGNER.

Professor Robin Darwin :

The Royal College of Art was founded by the Government in 1837 to encourage the "direct application of the Arts to manufactures." The intention was to train young people in the "ornamental arts," as they were called to distinguish them from the fine arts, which were the responsibility of the Royal Academy Schools. The College has followed the intentions of its foundation over the last 112 years. From time to time it has flirted with other interests, but, as often, it has been sternly recalled to its original purpose. The last of these occasions was in 1935, when the Hambleden Committee found that its interests were becoming too devoted to the Fine Arts and to the training of teachers, and that it should be reconstituted and take "for its primary purpose the study of applied arts in all its forms, with particular reference to industry and commerce."

Since the foundation of the College, the whole aspect of art education throughout the country has changed and developed greatly. A hundred years ago it was the only school with responsibilities to design; but, largely as a result of the 1851 Exhibition, large art schools have since been founded in every important town in the provinces. A large proportion of their students being drawn from industry for part-time training, but, on the other hand, they all have a talented nucleus of full-time students pursuing various courses in design. As a result, however, of the extreme centralization of this country, it is hardly possible for any students to develop to the full their latent abilities and talents in the

provinces alone. Metropolitan experience is absolutely necessary, particularly to the industrial design students, for it is only in London that he will meet contemporary trends and ideas face to face. With the promotion of design training throughout the country, some centre where this experience may be gained is essential, and it is the special responsibility of the Royal College to answer this need. It recruits its students after they have spent three or more years studying elsewhere, and this inevitably means its whole intention must be post-graduate. It means that the College is virtually debarred from looking after a student throughout his training period and must limit its influence to the latter part of it only, the result being that any real continuity of training policy, any thorough development of new educational ideas, is difficult if not impossible. I say this without any intention of criticizing our provincial art schools. On the contrary, I should like to record that from what I have seen myself we have very much to be proud of.

Design-training in this country under the influence of the Ministry of Education's examination in arts and crafts, is becoming increasingly diverse and general, and now it is worth considering whether a training more concentrated, rigorous and confined might not produce more remarkable results. The emphasis of teaching should be aimed to develop a high rather than a mediocre or uncertain talent.

The fault, however, was not on one side only. Industry itself made little effort to ensure that the training provided should coincide with its needs, nor, of course, was it prepared to offer students a salary sufficient to attract them. The position is improving today very rapidly, but until industry as a whole is prepared to give students after completing their art school training good salaries and prospects it will not succeed in attracting the material which it is now beginning to realize is necessary for its own salvation. These general considerations have led the Council and staff of the College to reverse the general trend of design teaching. Our training policy should take for its primary object the development of the outstanding individuals and should be geared to their level of ability rather than to that of their less-gifted associates. While some might fail to reach the higher standards that would result, the majority would do so and would greatly benefit.

Before the present reorganization, the College was divided into five schools—architecture, painting, engraving, sculpture and design. The last was by far the largest, and students applying to enter the School of Design did so without any clear idea as to which branch of design they wished eventually to pursue. It was not until the third year that a design student need decide in which subject to undergo his Diploma Test.

This was a most liberal conception of training of which in principle I approve. But a broad training in the latter stages of a student's career depends for its value on a more specialized and narrow training earlier on, and it is in this latter respect that our present system fails. A broad training both at the beginning and at the end will do little to fit the young designer for the urgency of industrial life today. As far as the College is concerned the most obvious result has been to force an absurdly large proportion of students into the teaching profession. I say *force* because I do not necessarily believe that this great army of students which year by year went out to the provinces to teach really wished to do so. But they had no other alternative because they had no specialized knowledge. The majority were technically and mentally quite unequipped to be of the slightest use to industry in any way.

This was the reputation of the College, and if proof is needed it is to be found among the more resolute few who did suc-

ceed in becoming successful designers, but who, when they first applied for jobs in industry, were careful to suppress the fact that they held the College diploma. As a consequence, the Design School was split up into six separate schools—of engineering and furniture, textiles, ceramics, silversmithing and jewellery, graphic design and fashion design, each under its own professor and specialist staff, and each providing a highly professional training in its own field. No longer will a student of industrial design at the College spend a year or more wondering in which branch he will specialize. This he must determine before entry. And, if successful in obtaining a place in the school of his choice, he will at once settle down to a rigorous and concentrated course from which he will not be encouraged to stray for the first year at least. The course will then broaden so as to include other subjects kindred to his own, and finally in the third year it is intended that he shall work with students from other schools, and soon, I hope, from such other institutions as the Architectural Association, on common projects and exercises in which each student will contribute from his own particular knowledge. There is the danger that this splitting up the Design School may lead to insufficient co-ordination between its several elements, and that each school will look after its own interests too exclusively without appreciating how much they overlap with others. This danger exists certainly, but to overcome it the College has formed within itself various Boards of Faculties made up of departments which naturally connect with one another.

The Faculty of Industrial Arts consists, for example, of the schools of engineering and furniture, ceramics, textiles, silversmithing and architecture. The other faculties are those of the fine arts, of graphic design and of fashion design, each composed of related schools on a similar basis. These faculties are responsible for devising the courses to be pursued in each of the schools which compose them and of the examinations to which they will lead. Since most professors sit on at least two boards of faculties they have, in this way, a direct and intimate responsibility for work which lies outside their own immediate interests. Over and above the faculties there is an Academic Board, composed of all senior staff, whose duty it is to co-ordinate all academic questions as well as to deal with matters of discipline and general policy.

To require students to determine before reaching the College which school they wish to enter does, of course, place them, and the staffs of the schools that have taught them, in considerable difficulties. There may well be a tendency, therefore, for students in future not to apply to enter the College until they have specialized in a single subject in their own art schools for a year or two first. In every profession today we see the overall period of training which is considered necessary extended year by year. The tendency is apparent in the arts as in other professions, and, therefore, to those who ask at what age the College wishes to recruit its students I would say that while this must vary to some extent with the technical complexity of the subject, we should like to get them before they have completed a full course of training elsewhere and while they are still impressionable and receptive to new ideas.

We hope to attract for short courses of a year or two a proportion of students whose training has already been fully completed, either in an art or technical school in the centre of a concentrated industry. Also there may be an increasing number of architectural students whose tastes, towards the end of their course, turn towards industrial design rather than to building construction. To these the College, with its advanced courses in all fields from furniture to textiles, to pottery, offers an opportunity for post-graduate study which is not available elsewhere.

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.

3.16 planning: regional and national WEST MIDLANDS PLAN

West Midlands Plan: Interim. Sir P. Abercrombie and H. Jackson. (Ministry of Town and Country Planning, October, 1948. Advance copy, not for sale.)

Important 750,000 word report in five volumes on outline master plan for development of West Midlands prepared for MOTCP and recently submitted to local authorities for comments. Area studied covers Worcestershire, Warwickshire, South Staffordshire, including Birmingham and Black Country. Detailed analysis of physical features, population trends, economic and industrial life and prospects. Illustrated by maps, tables, charts.

In a foreword it is stated that the authors are in complete accord—as far as town and country planning is concerned—with certain factual recommendations put forward by the West Midland Group in their publication preceding the present plan (*Conurbation, A Planning Survey of Birmingham and the Black Country*. Architectural Press, 1948. 30s. See 3.11:22.7.48.) Where they differ it is entirely in emphasis or degree.

The present plan is a purely regional one and enumerates basic principles to be used for future planning. The compilation of survey material is based on investigations undertaken by specialists and on information contained in existing plans, both in outline for wide areas and in detail for particular places.

The general problem with which the plan is concerned is stated to be the following:—"Pressure on space in the West Midlands is too great in certain relatively small areas, and it has to be relieved in such a

way that it will not recur." Thus the plan deals with built-up and open land and with communications. Aspects covered under the heading of *Built-up Land* are defined as (a) major residential groupings and their population, (b) major shopping, educational, civic and business centres, (c) major industrial groupings and space required for transport in urban areas. *Open Land* is defined as (d) land mainly unbuilt upon, namely, agricultural land, major open spaces, land for transport in open zones, and industries involving little in the way of building, and (e) areas of special amenity value requiring particular safeguards in respect of extractive industries, buildings, advertisements, etc., such as national and regional parks. The planning of *Communications* concerns motorways (single-purpose roads) and arterial roads.

The report is divided into five major sections covering (1) the general description of the region and the nature of the problem; (2) the physical background and natural resources, including a chapter by S. H. Beaver on *Mineral Resources and the Problems to which Mineral Workings give Rise*, and one by L. Dudley Stamp on *The Land, its Agricultural Use and Classifications*; (3) the economic, industrial and social survey compiled by C. Williams; (4) the general proposals and the plan of which chapter 9 on the *Visual Aspect* is of particular interest to architects; and (5) regional proposals related to the administrative areas of local government authorities.

There are a number of very important appendices referring to both the survey and the plan sections. In regard to survey technique they provide information on the method of constructing corrected figures for population changes; on the composition of extractive, manufacturing and service industry categories; on the method used in constructing passenger ratios for (1) the measurement of the growth of road passenger traffic, and (2) examining spheres of influence of towns. Appendices relating to the plan sections include an explanation of the method used to calculate the potential population capacity of an area together with calculations of such capacities.

To summarize this immense and rather unwieldy document in the form of an abstract is an impossible task, and it is to be hoped that the final edition of this most comprehensive study will appear in a more readily digestible form.

Among the major conclusions resulting from the survey are the following:—"The economic and natural advantages of the West Midlands area are so great that its population should not be restricted to its present size. It is estimated that from 3,400,000 in 1947 the region's population will grow by immigration and natural increase to 3,785,000 in 1962, an increase which the region can accommodate, allowing ample space for work, health and leisure, provided considerable redistribution of homes and workplaces can be effected. Hence the main aim of the plan is to indicate the nature and methods of this redistribution. It is suggested that most of the population increase should be settled in the industrial and country towns well away from the central conurbation of Birmingham and the Black Country. No new

towns are proposed. Planning recommendations deal with the redevelopment or development of most of the West Midland communities, with the provision of green belts and the halting of urban sprawl, with a scheme for new motorways, and with the creation of a cultural and recreational centre for the Black Country. The report recommends a single planning authority for the whole conurbation and stresses the need for expert advice on space requirements and location of industries.

10.46 design: building types HOUSING

Housing. The Post-war Work of the London County Council. Foreword by C. H. Walker. Survey by W. Segal. (Building, Oct., 1948, pp. 297-322, Nov., 1948, pp. 343-365, Dec., 1948, pp. 394-407.)

Series of three articles on L.C.C. housing. First article deals with new estates outside the central area, second with blocks of flats in the county, third with equipment, services, materials, construction, organization.

13.37 materials: timber NEW TYPES AND NAMES

Nomenclature of Commercial Timbers. Provisional Supplement to BS 881 and 589:1946. (British Standards Institution, Oct. 1948. 2s.)

List of new timbers and note of new sources of supply of others.

This BS lists a considerable number of little known timbers which are now available and gives the source of supply and the proposed Standard name, together with other names. Some of the timbers included in the original standards are also listed with new sources of supply added.

Apart from a fascinating list of names, this Standard is of importance in that it opens up a much wider range of hardwoods for use. It is unfortunate that it does not give any indication of the qualities of the various timbers, for without this there is no immediate encouragement to note any one of them for possible use.

17.47 construction: general LOADBEARING WALLS

Structural Recommendations for Loadbearing Walls. BS C. of P. 111:1948. (British Standards Institution. 5s.)

INFORMATION CENTRE INDEX, 1948

An alphabetical index covering items published during the twelve months ended December 31, 1948, is being prepared. Readers who wish to have a copy—it is free of charge—should complete the form below and post it to the Technical Editor, THE ARCHITECTS' JOURNAL, not later than March 3, 1949.

Please send me the Information Centre Index for 1948:—

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Dear Sir(s),

SCHOOLS-WOOD BLOCK FLOORING.

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

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

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

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

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P.D. Philip.

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P.S. HOUSING. We have been fortunate enough to secure a large parcel of reclaimed softwood from which we have manufactured some thousands of yards of $\frac{3}{4}$ " tongued and grooved flooring blocks. These can be used for floorings over and above the statutory 1.6 standards of softwood per house, and we have the permission of the Ministry of Health to lay such floors. We shall be glad to submit quotations for these floorings laid complete and orders will be executed in rotation until the materials are exhausted.



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General Series Code, Sub-Code 11.101 Masonry, including Brickwork (Unreinforced), Sub-Code 111.102 Masonry, including Brickwork (Reinforced), Sub-Code 111.201. Concrete Cast-in-situ.

The draft of this Code was reviewed in No. 2752:3.10.46. The final code contains a few minor alterations. The slenderness ratio of walls, originally limited to 18, is now extended to 24 in the case of dwelling houses of not more than two storeys, and the reduction factors for slenderness ratio have also been slightly altered. For reinforced concrete walls the original formula for the reduction factor has been retained, although recent tests at the BRS indicate that higher permissible stresses would be justified.

19.59 construction: details. TIMBER FLOORS

The Design of Timber Floors to Prevent Dry Rot. Building Research Station Digest No. 1 (Loose inset in RIBA Journal, Dec., 1948.)

General discussion of solid and suspended timber floors with recommendations for design to avoid dry rot. Illustrated.

This is the first of a series of BRS Digests which will appear as loose insets in the RIBA Journal. It deals with all the normal problems of timber floor construction and illustrates sound methods of building to avoid dry rot in either suspended or solid floors. There is nothing very new to experienced architects, but, even so, the number of cases of poor construction which still occur suggest that this note may provide a useful reminder of the importance of careful design.

A useful moisture meter is described. Various recent publications have referred to this device which would be most useful for checking the moisture content of floors, plaster, etc., before decoration. Unfortunately there is still no indication that the apparatus is available commercially. Surely this is a case

where quick action is called for to take advantage of one of the results of research.

20.109 construction: complete structures PRECAST CONCRETE

Cemenstone Precast Construction. A. C. Grafflin. (J. American Concrete Inst. Nov., 1948, pp. 193-204.)

Standardized precast reinforced concrete structural members and panels used in ordinary buildings up to four storeys.

The article describes a method of construction called "Cemenstone," developed during the past 20 years in Pittsburgh. (See 20.38.) It is claimed that the method is competitive with unprotected structural steel and at least 20 per cent. cheaper than encased structural steel.

Sections of columns and beams have been standardized and tabulated and details of connection carefully worked out. Columns are cast in one length for the full height of the building, up to 60 ft. In view of the strict control of the manufacture, the beams are designed for a concrete working stress of 2,250 lb. sq. in. Complete wall panels, up to 8 ft. high by 25 ft. long and slab panels, varying in width from 4 to 6 ft. and in length from 18 to 25 ft. are also made.

The method, with suitable equipment for transport and handling, allows a great speed of erection.

The article contains several examples, one of them an office building believed to be the first wholly precast four-storey structure ever built using continuous columns.

24.103 lighting ELECTRICITY SUPPLY: FLATS, ETC.

Electricity Supply Intake Arrangements for Flats & other Multi-Occupier Buildings. BS C. of P. 322. 102:1948. (British Standards Institution, 2s.)

Deals mainly with installation of rising and lateral conductors.

25.65 water supply and sanitation GENERAL TEXTBOOK

Drainage and Sanitation. E. H. Blake, revised by W. G. Jenkins. (B. T. Batsford Ltd. 9th Edition. 1948. 15s.)

Ninth edition of book first published in 1913. In 552 pages covers most aspects of drainage and sanitation and includes ventilation. Also deals with warming, lighting, water supply and legal notes.

That this book fulfils a need can be judged from its long history and it does undoubtedly include a good deal of useful information covering a very wide field. One wonders however if it is really wise to continue in 1948 with a policy adopted in the first edition which appeared in 1913. The very wide developments which have occurred in the last 25 years make it very difficult to deal even moderately well with such a wide range of subjects in one book. The author of this revised edition has attempted to bring the various chapters up to date but, it must be stated, not entirely successfully in all cases. It might be better for any future edition to be confined to plumbing and drainage which would enable the subject to be adequately covered in a book of reasonable size.

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

2978 PROVISIONAL SUMS

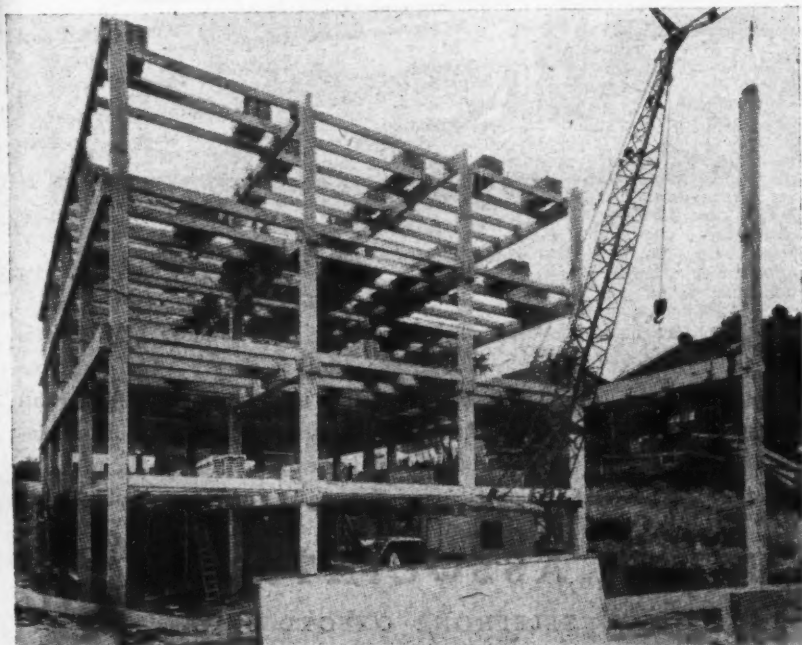
Q Am I correct in assuming that all PC sums and provisional amounts when listed in a bill of quantities, should be included in the final amount of tender?

The RIBA form of agreement does not appear to require this.

A All PC and provisional sums should be included in the tender unless the wording of the bill of quantities is quite extraordinary and such as to raise doubts as to the quantity surveyor's intentions.

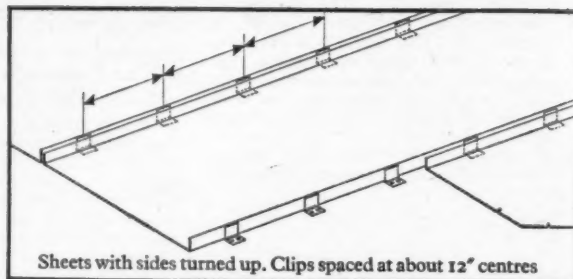
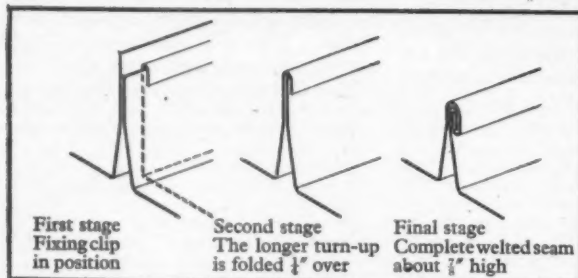
The RIBA Form of Agreement is merely one under which the contractor agrees to execute the work shown on the drawings and described in the bill of quantities, and the employer agrees to pay the contractor a specified sum of money (subject, of course, to the schedule of conditions). It is not the purpose of the agreement to specify what should be in the bill of quantities.

The bill of quantities should be prepared in such a manner that it is quite clear what is to be included in the tender. The usual method of dealing with PC sums, etc., is to say "Provide the PC sum of £..... for" which makes it clear that the contractor is to provide such a sum in his tender. Provisional sums are normally dealt with in a similar manner.



Standardised Precast R.C. columns and beams used for four-storey structure. See 20.109.

DATA SHEET FOR ARCHITECTS No. 4 STANDING SEAM ZINC ROOFING



The standing seam system of zinc roofing, much used on the Continent, resembles the system used for copper in this country, although wider welts and higher seams are generally found more satisfactory with zinc. Either sheet or strip zinc can be used, and should be laid over inodorous felt or building paper. One side edge is turned up $1\frac{1}{2}$ ", the other $1\frac{1}{4}$ ", and

the standing seam completed as shown above. When sheet is used, the ends are joined by a single welt, or at drips if the fall is less than 1 in 8. The minimum fall suitable for this type of roofing is $1\frac{1}{2}$ " in 8 ft. Further information on rain-water pipes, gutters, and other uses of zinc in building can be had from the Association, together with a list of publications.

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3F 322

BUILDING PROGRESS

to the end of 1948

By Ian Bowen

THE LICENSING SYSTEM

In 1948 licensing restrictions on building were modified very substantially, and hopes may thereby have been raised that the end of the control of private building was at last in sight. Licences for work between £10 and £100 became unnecessary from July 1, 1948, and for certain classes of building below £1,000 from November 1. The administrative cumbrousness of licensing had no doubt long been as evident to the controllers as to the controlled, and all parties joined in a dance round this particular bonfire; after all, the numbers of licences issued was running into millions rather than thousands, and even the most conscientious bureaucrats can hardly claim to do exact justice under such a load of detailed investigation. Nor could the flagrant violation of the law be readily distinguished from the innocent miscalculation of costs; and the case of the second or third builder called in to complete a contract which he had no means of knowing was illicit raised a difficult problem for the intending prosecutor.

Laws that are difficult to enforce lead to contempt of the law itself, and this has always been a powerful argument against any detailed system of control. But the economic consequences of control, and of its partial abolition, have to be considered, since after all it was only because of an ill-balanced economic situation that these particular restrictions were introduced—originally by a coalition government. The amount and kinds of building that have been finished since the end of the war can be regarded as having been determined by (a) the resources available, (b) the effectiveness of controls, and (c) changes in official policy. In assessing (b) the effectiveness of licensing the other factors (a) and (c) must not be forgotten.

PROGRESS TO THE END OF 1948

Housing progress over the last three years has advanced as follows:—

Permanent Houses Begun and Completed in Each Quarter		Begun	Finished
To end June, 1946	..	132,770	15,048
1946—Qr. 3	..	66,337	16,865
.. 4	..	62,815	26,298
1947—1	..	35,047	19,985
.. 2	..	56,904	33,391
.. 3	..	55,491	37,884
.. 4	..	41,460	48,317
1948—1	..	29,370	50,768
.. 2	..	37,710	57,828
.. 3	..	40,149	53,690
.. 4	..	44,482	54,577

Progress in 1946 was largely determined by factor (a)—the availability of resources. The sudden drop in numbers of houses begun between the third quarter of 1947 and the next two quarters was, of course, mainly due to factor (c), a change in official policy. But if we look at the picture as a whole, the completion of over 400,000 new permanent houses in three and a half years, must have been in large part due to the effectiveness of the (cumbrous) licensing system.

Housing progress in Great Britain can profitably be compared with that in an adjacent island. "We are satisfied that the cost of housing is too high, and we consider that it is necessary to check the influences which have tended to bring about the high cost.

We feel that more building work has been undertaken in the island than the labour force and the quantity of materials have justified. We consider that the position in the Isle of Man has been made more acute by reason of the existence of the Private Enterprise Grant-aided scheme." So runs the statement which a committee of the Tynewald is reported to have made. They also found that the profit on erection of new buildings on the island appeared to be generous, from which they deduced that the disinclination of firms to undertake this class of work arose partly from the fact that the profits on repair work were more generous still.

In an economy without control it is doubtful whether, just after the disturbance of a war, much new building would get either begun or that what was begun would be easily completed. Not only the housing programme, but the factories, colleges, schools and other buildings started since the end of the war would have progressed even more slowly had not minor works been kept within bounds.

Thus licensing has played a big part indirectly in permitting new building work to proceed—an aspect of the matter not often seen by those whose applications for licences have been refused or delayed.

PROGRESS WITH LESS LICENSING

The alleviation of controls in 1948 will, it is hoped, be permanent. But the public interest—and certainly the interest of the architects' profession—demands that a considerable amount of new building is begun each year even before 1952 or 1953, i.e., even while the country's economy is sorely extended to meet its overseas obligations. What are the chances that a desirable minimum of new works will be annually commenced? And what is that minimum?

Large programmes are contemplated for 1949 and 1950 for housing, schools, factories, and farms, and apart from new works, for conversions and adaptations of premises. That this is so is sufficiently indicated by the volume of work licensed already under these headings, and by the announcements of the Minister of Education. The educational programme in hand consists for the most part of the "operational" programme for schools—that is projects connected with the raising of the school-leaving age—and of a substantial "short-term programme" in addition. Under these two headings £37 million of work had been approved to the end of the third quarter of 1948, of which £23 million had been actually started. But will the labour and material be available for the successful execution of this programme? Only if the effective demand for work other than new building is kept within bounds. This can occur if the would-be purchasers of repair work are discouraged by high prices from placing orders. In this way a relatively "free market" system chokes off an excess demand.

Other discouragements may be high rates of taxation, or fear of development charges. Whether these weapons are harmful or not in the long run, if their short-term effect is to discourage building demand it will react favourably on the programme of new works.

It looks, then, as though the raising of the licensing limits may be sustained, and that new works will successfully compete with other kinds of work. But this competition will represent a struggle. No one planning to build in 1949 or 1950 will be able to be quite certain what the trend in costs is going to be. High levels of taxation, unpleasant in themselves, will tend to restrict demand and so allow competition among suppliers to bring down the cost of building. A budget surplus will in fact be the best guarantee of a fall in prices. If the surplus seems to be slipping away a further rise in building costs is all but inevitable, and the progress of new works will be hampered by further shortages.

There are enough building resources in the country now to carry out a quite large new building programme at a reasonable cost. The problem is how to canalize these resources on to new works in sufficient quantities. Once licensing has gone, the difficulty of restraining demand by fiscal means is that continued high taxation may have repercussions on output and incentives in industry generally. There is, for the first time since the war, at least a chance that a turning-point in costs will be reached. But since there is still an accumulation of small works to be done, and still an unsatisfied demand, unless the budget surplus is very large indeed building prices are likely to continue to advance, though much more slowly than they have done in the last two years.

Announcements

Mr. T. H. Thorpe, F.R.I.B.A., and Mr. E. W. Pedley, F.R.I.B.A., who have been practising as T. H. Thorpe, F.R.I.B.A., 23, St. James's Street, Derby, announce that they have taken into partnership Mr. G. I. Larkin, F.R.I.B.A. Mr. Thorpe is retiring from the practice, which will be carried on under the name of T. H. Thorpe & Partners from the same address.

The questions set at the RIBA Final and Special Final Examination held in December, 1948, have been published and are on sale at the Royal Institute, price 1s. (exclusive of postage).

Messrs. A. L. Gray & H. E. D. Adamson A/R.I.B.A., have closed their office at 2a, Simpsons Road, Bromley, Kent, and are now practising from 53, Great Ormond Street, London, W.C.1. Telephone Chancery 7915.

The Amalgamated Society of Woodworkers announce that all correspondence should be addressed to J. F. McDermott, General Secretary, ASW General Office, 161, Wilmslow Road, Withington, Manchester 20.

The name of Messrs. Hills Patent Glazing Co. Ltd. has been changed to Hills (West Bromwich), Limited. This incorporates Universal Steel Door & Engineering Co. Ltd., Accordo Blinds, Ltd., Hilcon, Ltd., Chain Developments, Ltd., and Wootons (Croydon), Ltd., under the one name.

The Advisory and Development Council of the Brewing Industry announce that the new address of the Council is: 4, Dean's Yard, Westminster, S.W.1. Telephone: Whitehall 6046/7.

The London firm of architects, Messrs. E. A. Stone and Partners, of 20, Berkeley Street, London, W.1, has been acquired by Messrs. Toms and Partners. In future the practice will be continued under the name of E. A. Stone, Toms and Partners, from Park West Place, Marble Arch, W.2, and 20, Berkeley Street, W.1.

Mr. J. Leslie Thomas, L.R.I.B.A., A.R.I.C.S., has relinquished his appointment as Chief Architectural Assistant to the Dagenham Borough Council to become Architect to the Ebbw Vale Urban District Council, Monmouthshire, upon the formation of the new Architect's Department there.

Mr. R. A. Maclean has been appointed chairman of the Scottish Committee of the CID in succession to Sir Steven Bilsland, Bt., who has retired. Mr. Maclean is chairman of A. F. Stoddard & Co. Ltd., carpet manufacturers. He has been a member of the Committee since its formation at the end of 1944.

The War Damage Commission have announced that during 1948 the claims paid for cost of works repairs numbered 403,000, and the total paid was more than £82,000,000. More than three-quarters of this figure was for repair and rebuilding

of houses. Other items were: Factories, £6,500,000; commercial buildings £4,250,000 and shops £1,750,000.

The Minister of Works has appointed Sir Luke Fawcett, O.B.E., to be a member of

the Working Party on Building Operations in place of Sir John Stephenson, C.B.E., who has resigned in consequence of his appointment as Chairman of the Eastern Gas Board.

The LCC have agreed to consult with the City of London Corporation upon the possibility of an agreed policy of acquiring war-damaged church properties in central London and of converting them into gardens for public use, and, where practicable, preserving the ruins and incorporating them into the general layout.



INFORMATION SHEETS. APPLICATION FORM FOR RE- PRINTS.

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Buildings Illustrated

Houses at Ilford, Essex, (page 188). Architects: L. E. J. Reynolds, O.B.E., M.C., M.I.C.E. Borough Engineer, Surveyor & Architect, in collaboration with L. G. Vincent, A.R.I.B.A., DIP.T.P. Sub-contractors: Insulated copper roofing, Broderick Insulated Structures Ltd.; metal windows and pressed steel door frames, Williams & Williams Ltd.; central heating and hot water, Ideal Neofire; electrical installation, A. & C. Electric Ltd.

Terrace Houses at Catford (page 189). Architect: R. Jelinek-Karl, L.R.I.B.A. General contractor: H. Ainslie & Sons, Ltd. Sub-contractors: Bricks, Fletton; tiled roof and felt, John Williams & Co. (Rotherhithe), Ltd.; woodblock flooring, Horsley-Smith & Co. Ltd.; waterproofing materials, "Pudlo"; stoves and boilers, Esse; gasfitting, Gas Co.; electric wiring, L. Haywards; sanitary fittings, O'Bryan Thomas; casements, Ejma.

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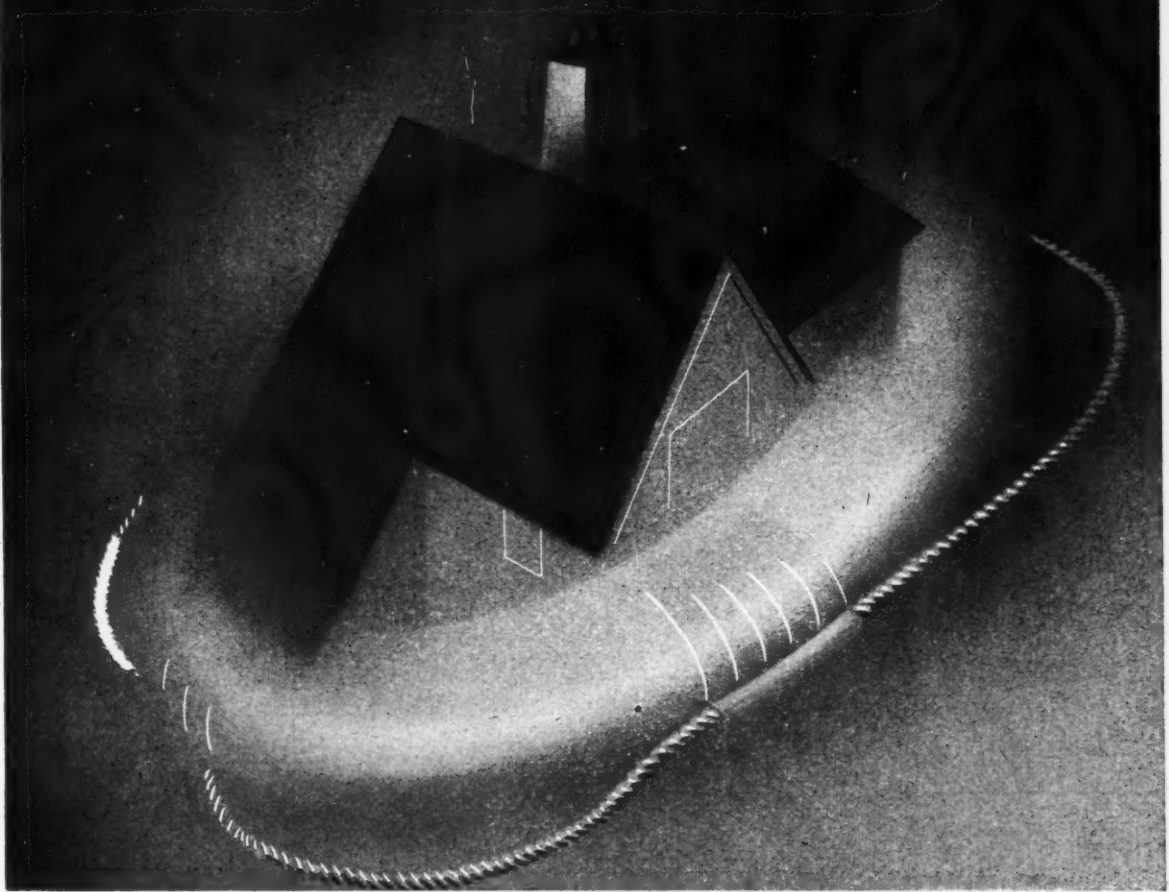
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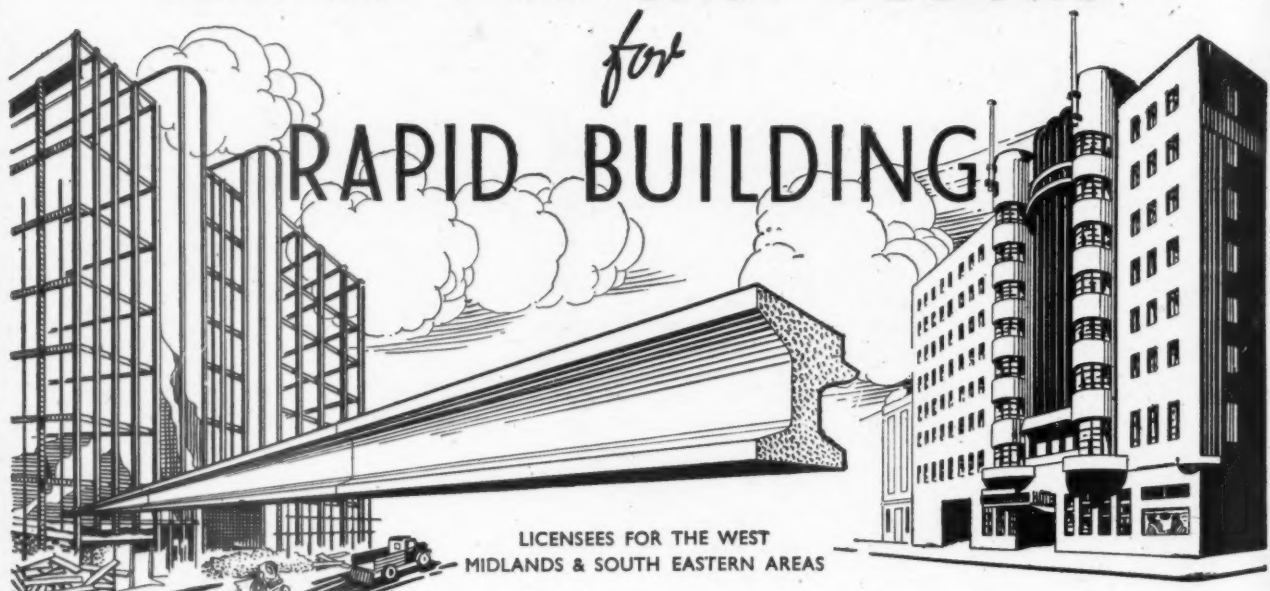
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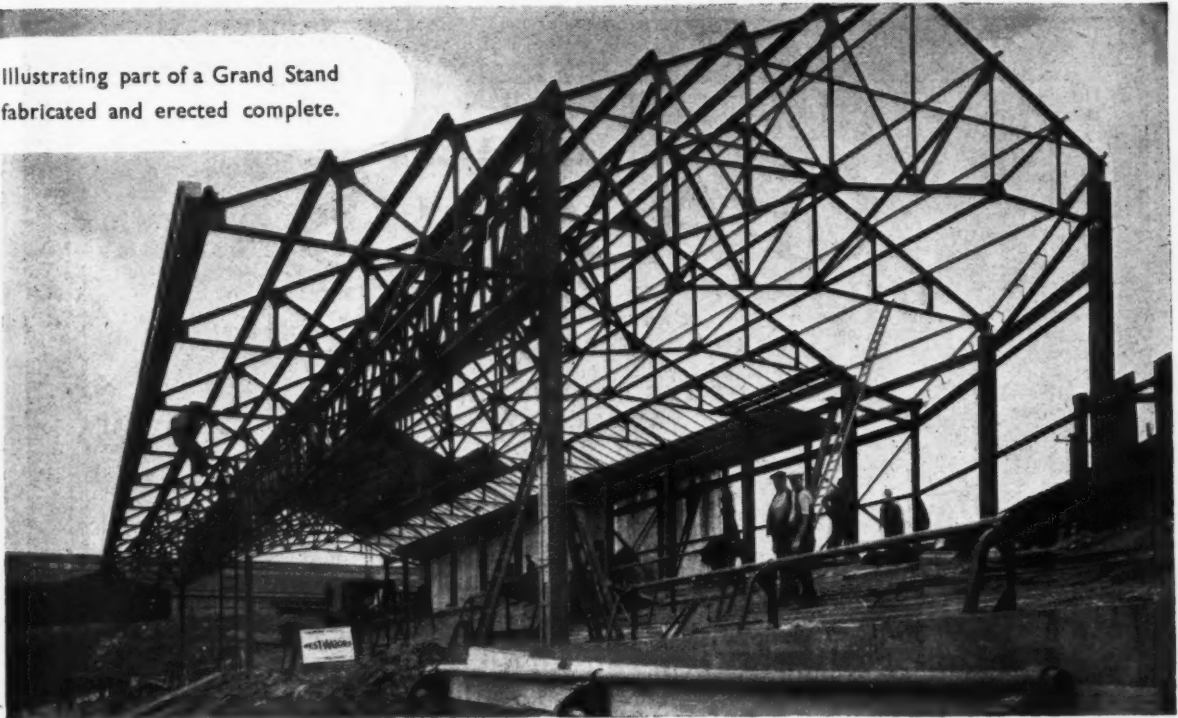
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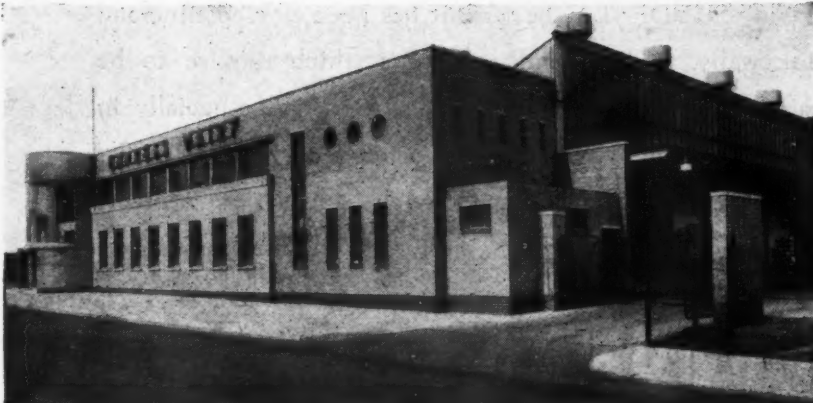
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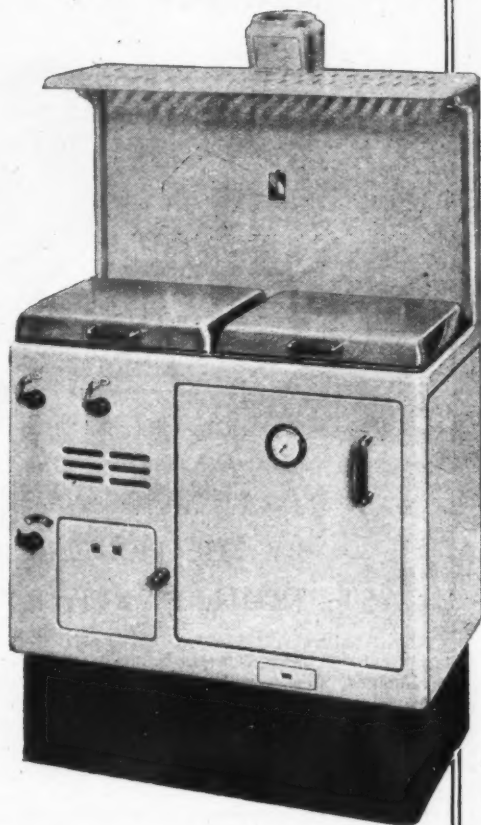
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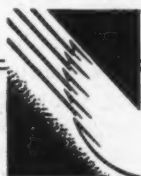


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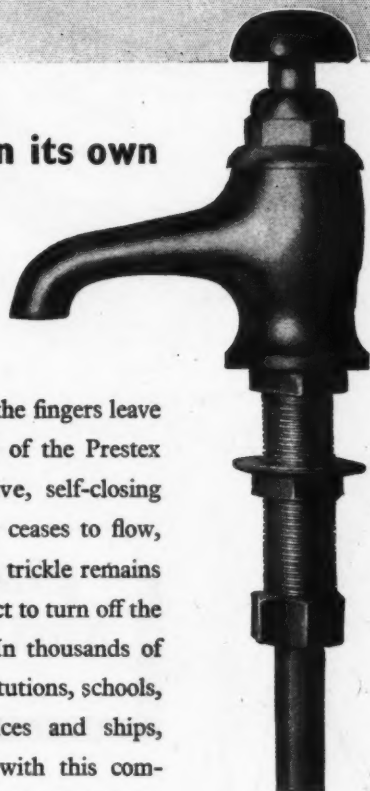


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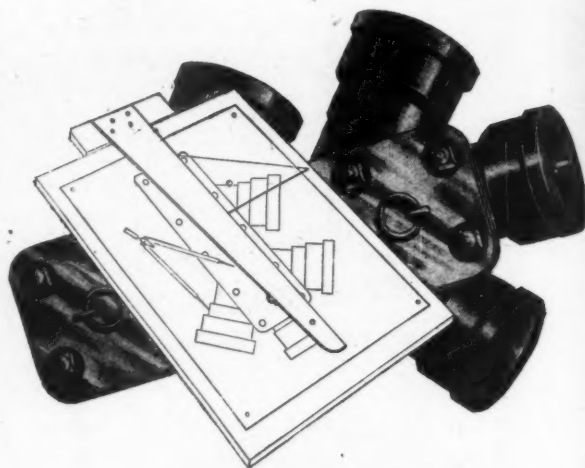
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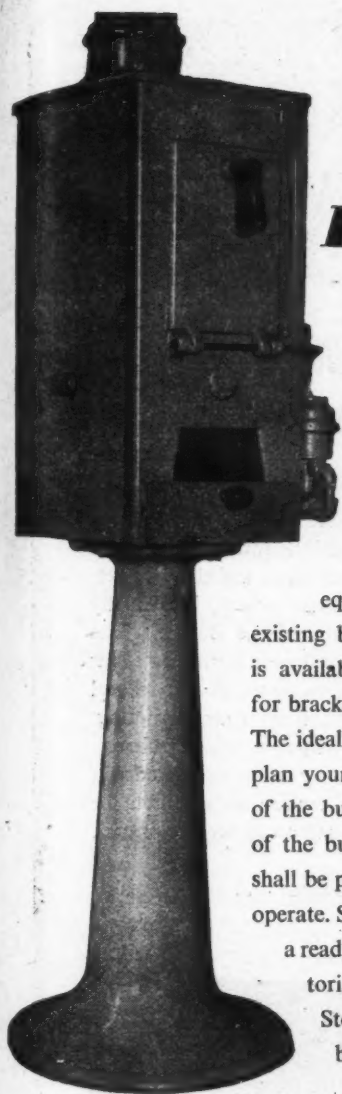
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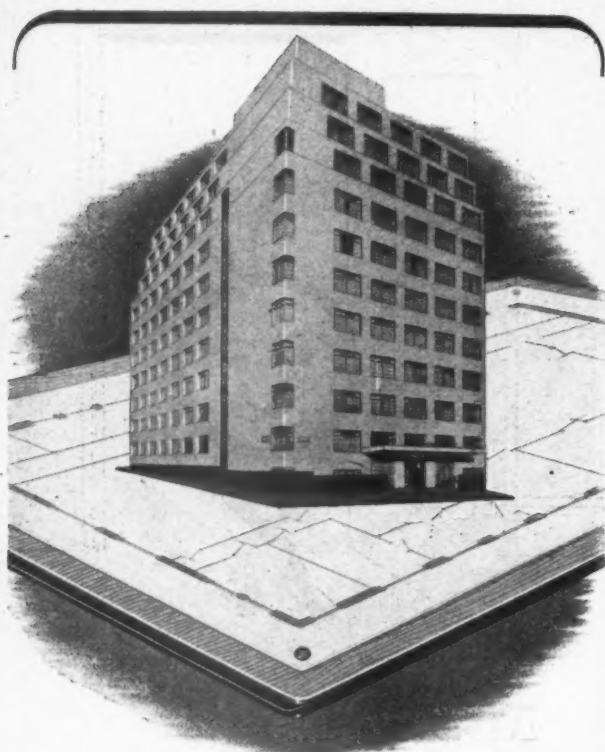
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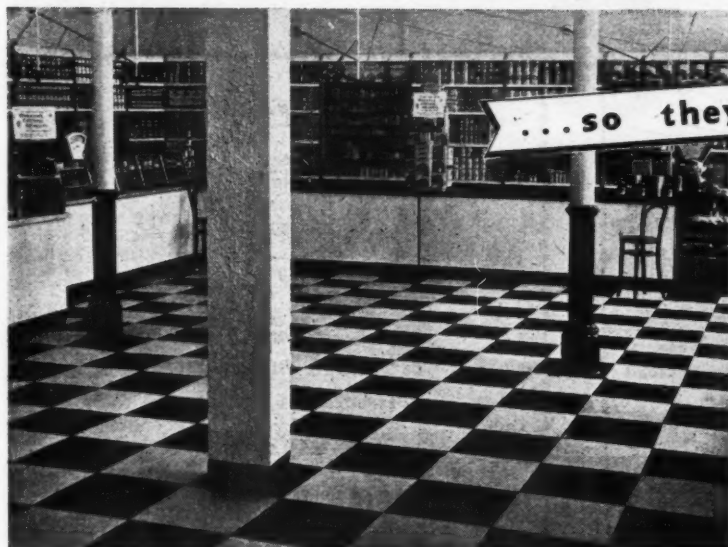
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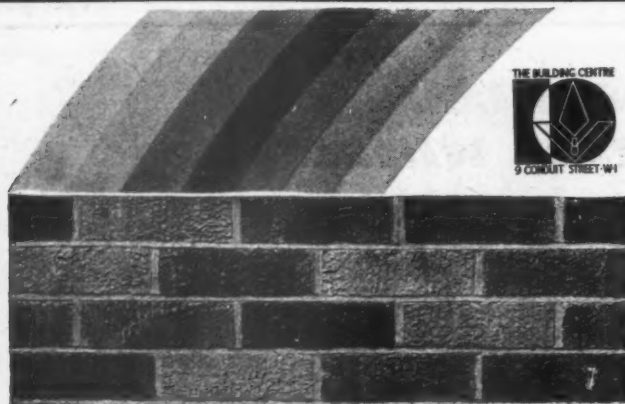
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Applications are invited for unestablished positions of (i) ARCHITECT, Grade III (salaries up to £700 a year) and (ii) ARCHITECTURAL ASSISTANTS (salaries up to £580 a year), in the Housing and Valuation Department. Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Act, 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 disqualified. (2269) 1096

LONDON COUNTY COUNCIL.

VACANCIES FOR QUANTITY SURVEYORS AND ASSISTANTS IN ARCHITECT'S DEPARTMENT.

SURVEYOR. Grade III. £550-£700 a year.

TEMPORARY TECHNICAL ASSISTANT (a). £440-£520-£580 a year.

TEMPORARY TECHNICAL ASSISTANT (b). Up to 167s. 6d. a week.

Commencing rates according to qualifications and experience. Candidates for Grade III positions should be Associates of the Royal Institution of Chartered Surveyors, and be experienced in abstracting and billing, estimating, interim valuations for payments on account, measuring, adjusting and agreeing final accounts, "taking off," and the preparation of Bills of Quantities. Other candidates should also have a working knowledge of these matters.

Successful candidates are required to contribute to the Council's Superannuation and Provident Fund, and there will be opportunities of competing on merit for permanent appointment.

Application forms from the Architect (A/E/P/Q), County Hall, Westminster, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualified. (34) 1580

LONDON COUNTY COUNCIL.**PLANNING STAFF**

Vacancies in the following grades (some permanent):—

ASSISTANT SENIOR PLANNING OFFICER. £1,000 to £1,200 a year.

PLANNING OFFICER. Grade I. £840 to £960 a year.

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

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

TECHNICAL ASSISTANT (a). £440 to £530 a year.

TECHNICAL ASSISTANT (b). 55s. to 167s. 6d. a week.

Candidates for Grade III positions and above should possess architectural, surveying or town planning qualifications, and will be engaged on either (a) Research; (b) Development Plan, and Survey; (c) Development applications; or (d) Reconstruction Areas and detailed planning.

For the junior positions, planning experience is not essential, but candidates should have a good general education, an aptitude for drawing, and an interest in town planning.

Full particulars and form of application obtainable from the Architect to the Council (P), The County Hall, Westminster Bridge, S.E.1 (enclosure stamped addressed foolscap envelope). (2212) 859

LONDON TRANSPORT EXECUTIVE.

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

(a) ARCHITECTURAL ASSISTANTS. Fully qualified and experienced. Salary range £500-£580 per annum.

(b) GENERAL TECHNICAL ASSISTANTS. Passed Intermediate standard, with office experience. Salary range £215 to £445, according to age and qualifications.

Applications, giving full particulars of training and experience, to be addressed to the Staff Officer (F/EV.39), London Transport Executive, 66, Broadway, S.W.1. 1977

HEATING, VENTILATING AND ELECTRICAL ENGINEERING DRAUGHTSMEN urgently required. The minimum qualifications, at age 21, are that the applicants shall have had, at least, four years' Heating and Ventilating and Electrical Engineering experience or apprenticeship in an industrial or Government undertaking, or alternatively with a reputable Installation Contractor, of which at least one year should have been spent on drawing office duties. Candidates will be required to produce evidence that they have undertaken or are undertaking a recognized course of study advancing to the standard of National Certificate or equivalent.

Applicants who have reached a higher standard and who are capable, without undue supervision, of initiation and design of moderate sized schemes, preparation of specifications and estimates, analysis of tenders and technical correspondence, and who have reached a level of study equivalent to Higher National Certificate Award, are preferred.

The commencing salary for these posts at age of 21 years is £283 per annum, rising to a maximum of £495 per annum. Entering salary is increased by £20 per annum for each year of age above 21 years, subject to a maximum commencing salary of £420 per annum. The posts are at Cambridge. Although these posts are not established posts, some of them have long-term possibilities, and competitions are held periodically to fill established vacancies.

Apply to Ministry of Works (R.D.1 Estab.), Shaftesbury Road, Brooklands Avenue, Cambridge. 1664

ARCHITECTURAL ASSISTANTS urgently required. Qualifications: At least three years' Architectural training, and, preferably, some experience in an Architect's office. Ability to carry out under supervision working drawings of smaller works from prepared sketch plans, and elevations. Knowledge of subsidiary duties common to an Architect's office. Some testimonies already accepted and/or in a position to sit for the Intermediate examination of the Royal Institute of British Architects.

STRUCTURAL ENGINEERING ASSISTANTS urgently required. Qualifications: Basic knowledge Static Mechanics, properties of materials, and structural detailing and design obtained over a period of not less than three years at a Technical College, plus one year in a Structural Engineer's office, or four years in a Structural Engineer's office supplemented by Technical Classes. Capable of site surveying, dealing with specifications, and making reliable reports.

SANITARY ENGINEERING ASSISTANT urgently required. Qualifications: Three years as an Apprenticed Pupil or Assistant in a Civil Engineer's Drawing office and three years' part-time study in Engineering subjects, including drainage and water supply; three years' full-time study in Engineering subjects, including drainage and water supply, and at least one year's experience in a Civil Engineer's Drawing office. At ages above 21, corresponding advanced knowledge, experience and drawing office technique are required. Preference given to candidates who have passed for Associate Membership of the Institution of Sanitary Engineers, the Intermediate examination or the Testamur examination of the Institution of Municipal Engineers, or equivalent.

The commencing salary for all these posts at age of 21 years is £283 per annum, rising to a maximum of £495 per annum. Entering salary is increased by £20 per annum for each year of age above 21 years, subject to a maximum commencing salary of £420 per annum. The posts are at Cambridge. Although these posts are not established posts, some of them have long-term possibilities, and competitions are held periodically to fill established vacancies.

Apply to Ministry of Works (R.D.1 Estab.), Shaftesbury Road, Brooklands Avenue, Cambridge. 1663

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of SUPERINTENDENT CLERK OF WORKS, in the County Architect's Department.

The salary will be in accordance with Grade VIII, namely £685 per annum, rising by annual increments of £25 to a maximum of £760 per annum, plus London allowance of £30.

The successful applicant will be responsible for the control and organization of all Clerks of Works engaged on the supervision of major contracts.

Applicants must have had full experience in the building trade and possess sound knowledge of all materials.

Full details should be given of present and previous appointments, including the duties of the appointment, and the salary attaching thereto.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 5th March, 1949.

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

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

DUDLEY AUKLAND, Clerk of the Council. County Hall, Kingston-upon-Thames. 1742

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

Applications are invited for the appointment of a SENIOR ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade V, A.P.T., i.e., £520, rising to £570 per annum.

Applicants should be capable of carrying out work under the minimum of supervision, and experience in the design and construction of modern schools will be considered an advantage.

The City Council have adopted the National Scheme of Conditions of Service. 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, qualifications and experience, accompanied by copies of not more than three recent testimonials, and endorsed "Architectural Assistant, Grade V," must be delivered to the undersigned not later than Friday, 4th March, 1949.

Applicants must disclose whether they are related to any Senior Official or Member of the Authority. Canvassing, either directly or indirectly, will be deemed a disqualification.

ARTHUR J. REEVES, Town Clerk. Town Hall, Peterborough. February, 1949. 1743

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of PRINCIPAL ASSISTANT ARCHITECT, at a commencing salary of £800 per annum, rising by annual increments of £25 to a maximum of £900 per annum.

Applicants must hold either a Degree in Architecture or be Members of the Royal Institute of British Architects, and should have had a good experience in the control of staff, organization of work, and had a good training and an adequate experience in the design and construction of modern buildings.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 5th March, 1949.

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

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

DUDLEY AUKLAND, Clerk of the Council. County Hall, Kingston-upon-Thames. 1741

COUNTY BOROUGH OF DERBY.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment on the permanent staff in accordance with the National Scale of Salaries:—

ONE ASSISTANT ARCHITECT. Grade VI, A.P. and T. Division. Salary £595-£660.

Applicants should be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

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

Form of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copies of three testimonials, to arrive not later than Monday, 7th March, 1949.

Canvassing, directly or indirectly, will be a disqualification.

C. ASHTON, Town Clerk. The Council House, Derby. 1709

LONDON COUNTY COUNCIL.

QUANTITY SURVEYORS.

Vacancies exist for Quantity Surveyors in the Housing and Valuation Department, for work in connection with the development of cottage estates and the construction of multi-storey dwellings, at salaries of up to £700 a year, the commencing salary in each case being determined according to qualifications and experience. Successful candidates will be required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for appointment to the Council's permanent staff and for advancement on the occurrence of vacancies.

Duties will include:—

(a) Measurement of work in construction of houses, roads and sewers, preparation of interim and final bills; measurement and adjustment of sub-contracts; preparation of cost statistics, estimates, etc.

(b) Management of housing contracts of considerable value; interim valuations for payments; measurement of variations and settlement of final accounts.

Forms of application may be obtained from the Director of Housing and Valuer, The County Hall, Westminster Bridge, S.E.1 (a stamped addressed foolscap envelope required), quoting Q.S.1.

Canvassing disqualified. (2140) 753

**BOROUGH OF SOUTHALL.
APPOINTMENT OF SENIOR TOWN
PLANNING ASSISTANT.**

Applications are invited for the above appointment on the permanent staff of the Corporation, at a salary in accordance with Grade A.P.T., V., of the National Scheme (£550-£20-£610), plus appropriate London weighting.

Candidates must hold a recognized Town Planning qualification.

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

It is a condition of appointment that the successful applicant shall be a member of his appropriate trade union, professional organization or other recognized body.

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him on or before Monday, 7th March, 1949.

Canvassing will disqualify.

J. S. STRETT,

Town Clerk.

Town Clerk's Office, Southall.
10th February, 1949.

1750

**COUNTY BOROUGH OF HALIFAX.
APPOINTMENT OF ARCHITECTURAL
ASSISTANTS.**

Applications are invited for the following appointments in the Borough Engineer's department:—

SENIOR ARCHITECTURAL ASSISTANT. Grade VII, A.P.T., £535-£710 per annum.

SENIOR ARCHITECTURAL ASSISTANT. Grade VI, A.P.T., £505-£660 per annum.

ARCHITECTURAL ASSISTANT. Grade III, A.P.T., £450-£495 per annum.

ARCHITECTURAL ASSISTANT. Grade II, A.P.T., £420-£465 per annum.

The successful candidates will be engaged on such schemes as the design and construction of new Primary and Secondary Schools, and on the proposed Extensions to the Technical College.

Previous experience in Local Government is not essential, and although housing accommodation is not immediately available, the Corporation will endeavour, where necessary, to purchase houses for the successful applicants.

Applications, stating age, qualifications, present position, salary and experience, accompanied by copies of recent testimonials, and appropriately endorsed, should be delivered to the undersigned not later than Monday, 28th February, 1949.

R. de Z. HALL,

Town Clerk.

Town Hall, Halifax.
5th February, 1949.

1706

**COUNTY BOROUGH OF BARNSLEY.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.**

SENIOR ASSISTANT ARCHITECT (SCHOOLS). Applications are invited for the appointment of a Senior Assistant Architect (Schools), in the Borough Engineer and Surveyor's Department.

The salary will be in accordance with Grade A.P.T., VII, of the National Scales, viz., £635-£710.

Candidates must be Members of the Royal Institution of British Architects, must have had sound experience in architectural design and in the preparation of working drawings, with full understanding of modern school construction.

The appointment will be subject to termination by one month's notice on either side, the Corporation's Staff 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.

Applications, endorsed "Senior Assistant Architect (Schools)," stating age, qualifications, and particulars of present and previous appointments, and accompanied by copies of three recent testimonials, to be sent to the Borough Engineer, Town Hall, Barnsley, not later than Monday, 7th March, 1949.

Canvassing, either directly or indirectly, will disqualify.

A. H. GILLILAN,

Town Clerk.

Town Hall, Barnsley.
February, 1949.

1729

MINISTRY OF EDUCATION.

Applications are invited from men and women between 23 and 40 years of age, who served in H.M. Forces or were employed in other work of national importance during the war, for admission to Courses of Training as Full-time **TEACHERS OF BUILDING AND ALLIED SUBJECTS** in Colleges of Further Education or in Secondary Technical Schools.

Applicants should have a University degree in Building or Allied Subjects, or qualifications in a profession associated with Building, or a higher National Certificate in Building or, for Craft teaching, a Full Technological Certificate of the City and Guilds of London Institute in a Building Craft. In certain crafts a Final City and Guilds Certificate may be accepted.

Training will be given in the principles and practice of teaching and in the methods of teaching special subjects. The courses will be of 6-9 months' duration. There will be no fees, and students will be eligible for maintenance grants for the period of the course.

Application should be made on Form 203 R.E., which may be obtained from the Secretary (Teachers R.E.), Ministry of Education, 23, Belgrave Square, London, S.W.1.

Requests for Form 203 R.E. should be clearly marked "Technical."

1775

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

Applications are invited for the following appointments:—

ASSISTANT ARCHITECT (GRADE VIII). Salary £685 to £760 per annum, plus London allowance of £30 per annum.

Applicants must hold either a degree in Architecture or be Members of the Royal Institute of British Architects, and have had a good training and an adequate experience in the design and construction of modern buildings.

Applicants should give full details of present and previous appointments and salary attaching thereto.

ASSISTANT ARCHITECT (GRADE VI). Salary £595 to £660 per annum, plus London allowance of £30 per annum.

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

Applicants should give full details of present and previous appointments and salary attaching thereto.

ARCHITECTURAL ASSISTANT (GRADE I). Salary £390 to £435 per annum, plus London allowance up to £30 per annum, according to age.

Applicants should be of good general training and give full details in their applications.

ASSISTANT QUANTITY SURVEYOR (GRADE VI). Salary £595 to £660 per annum, plus London allowance of £30 per annum.

Preference will be given to applicants who are Members of the Royal Institution of Chartered Surveyors (Quantities Sub-Division), and who have an adequate experience in the preparation of Bills of Quantities, site measuring, and in settlement of final accounts.

Full details of past and present appointments should be given.

QUANTITY SURVEYING ASSISTANT (GRADE I). Salary £390 to £435 per annum, plus London allowance of up to £30 per annum, according to age.

Applicants should have experience in working-up Bills of Quantities, and have passed the first examination of the Royal Institution of Chartered Surveyors, and give full details of their training and experience.

ASSISTANT BUILDING SURVEYOR (GRADE VI). Salary £595 to £660 per annum, plus London allowance of £30 per annum.

Applicants should possess approved qualifications and experience, and preference will be given to those who are Members of the Royal Institution of Chartered Surveyors (Building Sub-Division).

They should be capable of drafting specifications in all trades, preparing schedules of disbursements, the preparation of detailed estimates for general maintenance works, and surveys of properties.

Full details of past and present appointments should be given.

Where applicable it is desirable that applications should be accompanied by a small sample of the applicant's work.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 5th March, 1949.

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

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

DUDLEY AUKLAND,

Clerk of the Council.

County Hall, Kingston-upon-Thames.

1740

**COUNTY BOROUGH OF GREAT YARMOUTH.
TOWN PLANNING DEPARTMENT.**

Applications are invited for the following appointments:—

(a) **TOWN PLANNING OFFICER.** At a salary commencing at £710, rising by annual increments of £50 to £860 per annum.

(b) **TWO SENIOR TOWN PLANNING ASSISTANTS.** A.P.T., Grade VI (£595 to £660 per annum).

Applicants must be Corporate Members of the Town Planning Institute, and must have had considerable experience in the carrying out of surveys, the preparation of development plans and reconstruction schemes and the control of development. They must also have a thorough knowledge of the various Acts and Orders relating to Town and Country Planning, and the Town Planning Officer must be competent to undertake the administration and supervision of the Town Planning Office.

The appointments will be subject to one month's notice, to the provisions of the Local Government Superannuation Act, 1937, the passing of a medical examination, and to the Council's local conditions of service.

Applications, endorsed "Town Planning Officer" or "Senior Town Planning Assistant," with copies of three recent testimonials, must reach me not later than the 10th March, 1949.

Canvassing will be deemed a disqualification, and candidates must disclose in writing any relationship to any member of, or the holder of any senior office under, the Council. Candidates failing to do so will be disqualified, and, if appointed, liable to dismissal without notice.

FARRA CONWAY,

Town Clerk.

County Hall, Great Yarmouth.

15th February, 1949.

1785

**KIDDERMINSTER RURAL DISTRICT
COUNCIL.**

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, in the Engineer and Surveyor's Department. Candidates should have considerable experience in the design and construction of dwelling houses and domestic buildings applicable to a Local Authority, together with the preparation of specifications and the measuring up of contractor's work.

Preference will be given to candidates who are capable of preparing Bills of Quantities.

The salary will be at the rate of £450-£500 per annum, according to qualifications and experience, together with a travelling allowance in accordance with the National Scale. The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, to the National Scheme of Conditions of Service, and will be determinable by one month's notice in writing by either side.

Housing accommodation will be provided, if required.

Applications, endorsed "Architectural Assistant," stating age, qualifications, particulars of experience, etc., and accompanied by copies of two recent testimonials, should reach the undersigned not later than 12 noon on the 7th March, 1949.

J. H. SWANN,

Clerk to the Council.

Council Offices, Land Oak House,

Kidderminster.

11th February, 1949.

1759

**COUNTY OF LINCOLN—PARTS OF
LINDSEY.**

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following vacancies:—

(a) **ASSISTANT ARCHITECT.** Grade V, £530 to £570.

(b) **ASSISTANT ARCHITECT.** Grade IV, £480 to £525.

(c) **ARCHITECTURAL ASSISTANTS (TWO).** Grade III, £450 to £495.

(d) **ARCHITECTURAL ASSISTANTS (TWO).** Grade II, £420 to £465.

(e) **JUNIOR ASSISTANT.** Grade I, £390 to £435.

(f) **SENIOR QUANTITY SURVEYOR.** Grade VI, £595 to £660.

Applicants need not have had previous Local Government experience.

A car allowance will be paid in respect of appointments (b) and (f) in accordance with the County Council Scale, and in cases where the successful applicants own their own cars.

The appointments are on the permanent staff of the County Council and subject to the provisions of the Local Government Superannuation Act, for which the successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications, experience and present salary, clearly stating which post is being applied for and whether to their knowledge they are related to members or senior officers of the County Council, and accompanied by copies of two recent testimonials, should be sent to the undersigned not later than the 4th March, 1949.

A. RONALD CLARK, A.R.I.B.A.,

A.M.T.P.I.,

County Architect.

County Offices, Lincoln.

1766

COUNTY BOROUGH OF HALIFAX.

Applications are invited for the appointment of **GENERAL ARCHITECTURAL ASSISTANT**, at a salary in accordance with Grade VI, A.P.T., £595-£660 per annum.

A small flat will be offered to the successful candidate.

Previous experience in Local Government is not essential, but preference will be given to those with appropriate qualifications.

Applications, stating age, qualifications, present position, salary and experience accompanied by copies of recent testimonials, and appropriately endorsed, should be delivered to the undersigned not later than Monday, 28th February, 1949.

R. de Z. HALL,

Town Clerk.

Town Hall, Halifax.

5th February, 1949.

1705

COUNTY BOROUGH OF CROYDON—EDUCATION COMMITTEE.

CROYDON SCHOOL OF ART AND CRAFTS. Principal: FARNSTOCK HUNTLEY, A.R.C.A. (Lond.).

Applications are invited for the following post:—

DEPARTMENT OF ARCHITECTURE—FULL-TIME ASSISTANT.

A suitably qualified man, preferably under 35 years of age, is required to take up duties as soon as possible, to take charge of the Department of Architecture. The man appointed will be assisted, as necessary, by technical part-time staff and should have a broad approach to matters of Design and Decoration. Teaching experience desirable, but not essential; suitable applicants for part-time appointment would be considered.

Salary in accordance with London Burnham Scales, with appropriate allowances.

Forms of application may be obtained on receipts of a stamped addressed, foolscap envelope from the undersigned, to whom they should be returned, completed, within two weeks of this advertisement.

HERBERT ROBERTS,

Chief Education Officer.

Education Office, Katharine Street, Croydon.

February, 1949.

1783

CITY OF BATH.

CITY PLANNING DEPARTMENT.

Applications are invited for the following appointments on the permanent staff—
 (a) CHIEF PLANNING ASSISTANT. Salary £595-£660 per annum (A.P.T. Grade VI). Applicants should be qualified for Associate Membership of the Town Planning Institute, and preference will be given to those who hold, in addition, a recognized qualification in Architecture, Engineering or Surveying. Previous experience, both technical and administrative, is necessary.
 (b) PLANNING ASSISTANT. Salary £420-£465 per annum (A.P.T. Grade II). Applicants should be neat and efficient draughtsmen, and preferably should have experience in a Planning Department. Any technical qualifications will be an advantage.
 Applications, stating age, qualifications and experience, together with names and addresses of three referees, should be sent to the City Planning Officer, 2, Princes Buildings, Bath, not later than the 5th March, 1949.

JARED E. DIXON,

Town Clerk.

Guildhall, Bath.
26th January, 1949.

1770

COUNTY BOROUGH OF EAST HAM.

BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the under-mentioned appointments—
 SENIOR ENGINEERING ASSISTANT (Grade A.P.T. VI). Salary £595 to £660 per annum.
 ENGINEERING ASSISTANT (Grade A.P.T. V). Salary £520 to £570 per annum.
 SENIOR ARCHITECTURAL ASSISTANT (Grade A.P.T. VI). Salary £595 to £660 per annum.
 ARCHITECTURAL ASSISTANT (Grade A.P.T. V). Salary £520 to £570 per annum.
 ARCHITECTURAL ASSISTANT (Grade A.P.T. IV). Salary £480 to £525 per annum.
 The appropriate London weighting is paid in addition to the above salaries, and salaries in excess of the minima of the grades may be paid according to the qualifications and experience of successful candidates.
 The Council have in course of preparation a large and varied programme of interesting works which it is anticipated will not be affected by the proposed reductions in capital expenditure.
 The Council will be prepared to consider applications for a subsistence allowance in appropriate cases from persons appointed should they 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 7th March, 1949), may be obtained from the undersigned.
 Canvassing in any form will disqualify.

H. A. EDWARDS,

Town Clerk.

Town Hall, East Ham, E.6.
February, 1949.

1755

SOUTH-EASTERN REGIONAL HOSPITAL BOARD (SCOTLAND).

REGIONAL ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the Regional Architect's Department, with headquarters in Edinburgh—
 (1) PRINCIPAL ASSISTANT ARCHITECT. Salary scale, A.P.T., Grade VIII, £685 to £760.
 Applicants should be Members of the R.I.B.A. or hold an equivalent qualification, and should have had good general experience in design, construction and supervision of building work, including experience in the control of staff and administration of an architectural department. A knowledge of hospital work will be considered an advantage.
 (2) ARCHITECTURAL ASSISTANTS (TWO). Salary scale, A.P.T., Grade IV, £480 to £525.
 Applicants should have had a good general architectural experience and have a sound knowledge of building construction and contemporary design.

The above posts are subject to the provisions of the National Health Service (Scotland) Superannuation Regulations, 1948, and the successful candidates will be required to pass a medical examination.
 Applications, giving details of experience, past and present appointments, salaries, etc., together with copies of two recent testimonials and the names and addresses of two persons to whom reference may be made, should be delivered to the undersigned not later than Saturday, 5th March, 1949.

A. McROBIE,

Regional Architect.

Cambridge Street, Edinburgh.

1736

YORKSHIRE ELECTRICITY BOARD.

Applications are invited for the post of ARCHITECTURAL AND SURVEYING ASSISTANT in the Chief Engineer's Department at Area Headquarters.
 Applicants should be neat and expeditious draughtsmen, and have experience of surveying buildings, preparing sketch designs, working drawings and details.
 Provisional salary £450 per annum, subject to negotiations with the appropriate organizations. The appointment will be superannuable.
 Applications, stating full details of age, present appointment, experience and qualifications, should be sent to the Secretary, Yorkshire Electricity Board, Wetherby Road, Scarcroft, Leeds, within fourteen days of the appearance of this advertisement.

J. M. DODDS,

Secretary.

Wakefield.

1784

Applications are invited for filling vacancies in the South-Eastern Regional Office at Tunbridge Wells.

MINISTRY OF WORKS-DIRECTORATE OF WORKS.

ARCHITECTURAL DRAUGHTSMEN, having had a full period of recognized training and experience in the preparation of drawings for good class building work. The work is varied and not confined to standard schemes. Starting pay will be assessed according to age, qualifications and experience within a scale rising to £495 per annum.

Applications, stating age, present and previous appointments, training, qualifications, etc., should be sent to the Assistant Regional Director (Administration), Ministry of Works, Government Buildings, Hawkenbury, Tunbridge Wells, Kent.

1491

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.

SENIOR ASSISTANT ARCHITECTS:

- (a) Grade VIII, £685 to £760 per annum.
- (b) Grade VI, £595 to £660 per annum.
- (c) Grade II, £420 to £465 per annum.
- (d) Grade I, £390 to £435 per annum.

For (a) and (b) applicants must have had experience in the design and construction of modern buildings, and must possess a professional qualification. Preference will be given to those who have had administrative experience.

Applicants for (c) and (d) to have had a good general architectural experience and to be first-class draughtsmen.

QUANTITY SURVEYORS:

- (e) Grade VIII, £685 to £760 per annum.
- (f) Grade VII, £635 to £710 per annum.

Applicants for (e) and (f) must possess an appropriate professional qualification and have had experience in the preparation of Estimates, "Taking off" quantities for all trades, measuring up and preparing final accounts.

Canvassing of members of the Council, directly or indirectly, will be a disqualification for appointment.

The Council is not able to assist successful applicants in the provision of housing accommodation.
 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 8th March, 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.
24th February, 1949.

1831

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

COUNTY PLANNING DEPARTMENT.

Applications are invited for the following permanent appointments to the staff of the County Planning Department—

- (a) SENIOR PLANNING ASSISTANTS (salary scale, £595×£25-£710 per annum).

Applicants should be Corporate Members of the Town Planning Institute or possess a recognized qualification in Civil Engineering, Surveying or Architecture, and have had considerable experience in a Planning Office.

- (b) PLANNING ASSISTANTS (salary scale, £450×£20-£570 per annum).

Applicants should have received training in Town Planning, Civil Engineering, Surveying or Architecture, should have had previous planning experience, and preferably be Corporate Members of one of the appropriate Institutions for the professions named. Consideration will, however, be given to applicants who possess a University Degree in Economics, Geography or allied subjects.

- (c) JUNIOR PLANNING ASSISTANTS (salary scale, £390×£15-£465 per annum).

Applicants should have passed the Intermediate examination of one of the recognized Professional Institutions and have had training and experience in Engineering, Surveying or Architecture. Preference will be given to applicants with a knowledge of Town and Country Planning.

Successful applicants will be assigned for duty at one of the Area Planning Offices, and applicants may express a preference for Harrogate, Huddersfield, Pontefract, or Doncaster in respect of appointments (a); Skipton, Harrogate, Huddersfield or Pontefract in respect of appointments (b); and Skipton or Pontefract in respect of appointments (c).

All 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 successful applicants will be required to pass a medical examination.

Applications, stating age, qualifications and experience, and accompanied by copies of two recent testimonials, should be received by the undersigned not later than Saturday, the 12th of March, 1949.

ARTHUR BATES,

County Planning Officer.

County Planning Office, 7, Rond Street,
Wakefield.

1830

COUNTY BOROUGH OF WEST HAM.
BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the following established posts—

- (a) SENIOR ASSISTANT ARCHITECT (Grade VIII, £685×£25-£760).

Applicants should be A.R.I.B.A., with considerable experience in Housing and Education works.
 (b) CHIEF ASSISTANT, CONSTRUCTION (Grade VII, £585×£25-£760).

Applicants should have had considerable experience in a Quantity Surveyor's section of a Local Authority, and in the outside supervision of large building contracts.

- (c) ARCHITECTURAL ASSISTANTS (Grade II, £420×£25-£465).

Applicants should be Students of R.I.B.A., and have had two years' office experience.

- (d) ARCHITECTURAL ASSISTANT (Grade I, £390×£25-£435).

Must be good draughtsmen, with sound knowledge of construction and at least two years' office experience.

- (e) CLERK/SHORTHAND TYPIST (General Division: Male, £220 at 21 yrs., £385 at 32 years, Female, £178 at 21 yrs.; £308 at 32 yrs., with additional payment up to age 29 if suitably qualified).

Applicants must be competent Shorthand Typists, and experience in an Architect's or Builder's office an advantage.

Additional allowance payable on above salaries as follows: 21-25 yrs., £20 p.a.; 26 yrs. and over, £30 p.a.

Details, together with application form, returnable by Wednesday, 9th March, may be obtained from Borough Architect and Planning Officer, 70, West Ham Lane, E.15.

METROPOLITAN BOROUGH OF HACKNEY.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

ARCHITECTURAL SECTION.

Applications are invited for the under-mentioned permanent appointments at salaries in accordance with the scales indicated. In each case the commencing salary may be fixed at a point above the minimum of the Grade specified, according to the qualifications and experience of the successful candidate.

ASSISTANT ARCHITECT:

One appointment. Grade A.P.T., VII-VIII (£635 p.a.-£760 p.a., plus London weighting allowance). Candidates must be Associate Members of the Royal Institute of British Architects, with good architectural ability and experience in the preparation of designs and specifications for housing schemes and other buildings.

ASSISTANT ARCHITECT:

One appointment. Grade A.P.T., V(a)-VI (£550 p.a.-£660 p.a., plus London weighting allowance). Candidates must have had a good general experience in design and construction and hold an appropriate professional qualification.

In addition to general architectural work the successful candidate will be required to undertake the oversight of the maintenance of Council's properties, including the preparation of specifications for, and the supervision of repairs, and to deal with War Damage claims.

ARCHITECTURAL ASSISTANT:

One appointment. Grade A.P.T., II-IV (£450 p.a.-£525 p.a., plus London weighting allowance). Candidates must have had a good architectural training and must have passed the R.I.B.A. Intermediate or equivalent examination.

JUNIOR ARCHITECTURAL ASSISTANTS:

Two appointments. Grade A.P.T., II-III (£420 p.a.-£495 p.a., plus London weighting allowance). Candidates must have had a good architectural training, and preference will be given to those who have passed the R.I.B.A. Intermediate or equivalent examination.

ARCHITECTURAL DRAUGHTSMAN:

One appointment. Grade A.P.T., I (£390 p.a.-£435 p.a., plus London weighting allowance). Candidates must have had a good technical education, and must be neat and expeditious architectural draughtsmen, with a sound knowledge of building construction.

Conditions of appointments and application forms may be obtained from the undersigned upon receipt of a stamped addressed foolscap envelope.

Completed application forms endorsed with the designation and Grade of the post applied for must be returned not later than first post on the 8th March, 1949. The Council is unable to provide any housing accommodation for the successful candidates.

DUDLEY SORRELL,

Town Clerk.

Town Hall, Hackney, E.8.
15th February, 1949.

1802

LONDON COUNTY COUNCIL.

Required at Brixton School of Building, Fernside Road, S.W.4, to commence as soon as possible TWO SENIOR ASSISTANTS IN BUILDING AND SURVEYING. Applicants should be well qualified technically and should have good teaching and industrial or professional experience. Experience of the operation of National Certificate schemes or of administrative work in industry will be regarded as recommendations, and for one post membership of the Royal Institute of Chartered Surveyors will be an additional recommendation.

Salary £700×£25-£800, plus London allowance and graduate and training additions as appropriate. Application forms and further particulars (stamped addressed foolscap envelope necessary), from the Principal at the School, returnable by 28th February, 1949. (104)

1712

CITY OF WESTMINSTER.

DEPUTY DIRECTOR OF HOUSING. £1,600 × £50—£1,360 per annum, the commencing salary to be dependent on the experience of the person appointed.

Applicants to be Registered Architects (or otherwise entitled to describe themselves as Architects), not over 50 years, with good architectural experience, including housing, and to have wide general experience in administration.

The appointment is subject to a satisfactory medical report and to the provisions of the Council's Standing Orders, General Regulations and Superannuation Scheme. Canvassing will disqualify.

Applications, marked "Deputy Director of Housing," stating name, address, age, war service, professional and academic qualifications, general architectural experience, housing experience, experience in Government and Local Government work (if any), whether related to any member or chief officer of the Council, with copies of three recent testimonials, must be received by the undersigned not later than 12th March, 1949.

PARKER MORRIS,

Town Clerk.

Westminster City Hall, Charing
Cross Road, W.C.2.

1774

COUNTY BOROUGH OF HUDDERSFIELD.
BOROUGH ARCHITECT'S DEPARTMENT.
APPOINTMENT OF DEPUTY BOROUGH ARCHITECT.

Applications are invited for the appointment of Deputy Borough Architect, at a salary of £900, rising by annual increments of £50 to a maximum of £1,000 per annum.

If necessary, housing accommodation will be made available.

Candidates should be suitably qualified, and must have had professional and administrative experience in Local Government service.

Applications, stating age, qualifications, present and previous appointments, and present salary, together with full details of experience, and the degree of responsibility for the work described, should be submitted, along with the names of three referees, to the undersigned, not later than 14th March, 1949.

The appointment is terminable by one month's notice in writing by either side, and is subject to the provisions of the Local Government Superannuation Act, 1937 and 1939, and to the passing of a medical examination.

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

HARRY BANN,

Town Clerk.

Town Hall, Huddersfield.

1776

BOROUGH OF PUDSEY.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade II of the A.P.T. Division, namely £240 per annum, rising by annual increments of £15 to a maximum of £265 per annum.

Candidates should have had experience in the Design of Houses and Estate Layouts, Supervision of Contracts of Building, Road and Sewer Works, Setting Out and Measurement of Work, and Keeping of Records.

The appointment will be subject to (a) the Scheme of Conditions of Service, (b) the provisions of the Local Government Superannuation Act, 1937, and (c) the successful candidate passing a medical examination.

The Council will consider providing suitable housing accommodation (if necessary) for the successful applicant.

Applications, stating age, giving full details of training, experience, present and previous positions held and qualifications, and accompanied by copies of not more than three recent testimonials, must be delivered to the Borough Surveyor, Town Hall, Pudsey, not later than 9 a.m. on Saturday, the 5th March, 1949.

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

W. R. CRUSE,

Town Clerk.

Town Hall, Pudsey.

1779

THE CRAWLEY DEVELOPMENT CORPORATION requires:—

(a) An ARCHITECT with Landscaping qualifications, with a salary range of £750—£1,000. For exceptional qualifications and experience advancement to a higher salary range might be considered. Applicants should have first-class experience in all types of building and practical experience of landscape architecture as well as design. They should be qualified architects and Members or Associate Members of the Institute of Landscape Architects.

(b) ASSISTANT ARCHITECTS, on the salary scale £550 × £30—£750. Applicants should have first-class general experience in design and construction, particularly of housing and house design, and must be fully qualified.

(c) JUNIOR ASSISTANT ARCHITECTS, on the salary scale £400 × £30—£525. Applicants should have attained the R.I.B.A. Intermediate examination standard.

Further particulars should be obtained from the Chief Architect, A. G. Sheppard Fidler, M.A., B.Arch., A.R.I.B.A., A.M.T.P.I., to whom detailed applications must be submitted not later than 11th March, 1949.

G. A. C. TURNER,

Chief Executive.

1753

UNIVERSITY COLLEGE LONDON.

Applications are invited for the appointment of SUPERINTENDENT OF BUILDINGS.

The Superintendent is responsible for the maintenance of the College buildings and furniture, for the services of heating, lighting, water, etc., and for small work building construction. Knowledge of quantities, costs and building practice are essential, preferably those prevalent in London. Initial salary £200—£290, according to qualifications and experience. The post carries superannuation arrangements. A period of probation may be required.

Applications, to be received within a fortnight of the appearance of this advertisement, should be sent to the Secretary, University College London, Gower Street, W.C.1, from whom further particulars may be obtained.

RAWMARSH URBAN DISTRICT COUNCIL.

Applications are invited for the appointment of CLERK OF WORKS, to supervise advance preparation of sites and the erection of permanent houses.

Applicants must have sound knowledge of building construction, roads and sewers, setting out and measuring up contracts. Wages £2 per week.

Applications, stating age, experience, present occupation and when available, and accompanied by two recent testimonials, must reach the undersigned not later than Monday, the 7th March, 1949.

J. R. S. CREIGHTON,

Surveyor.

Council Offices, Parkgate, Yorks., W.R. 1829
17th February, 1949.

PEMBROKESHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the under-mentioned appointments on the Permanent Staff:—

TWO SENIOR ARCHITECTS. Applicants should be Qualified Members of the Royal Institute of British Architects and should have experience in general Architectural work, including Educational Buildings, Police Housing, Maintenance, etc. Salary in each case A.P. and T. Division, Grade VII, £335—£710 per annum.

TWO ASSISTANT ARCHITECTS. Applicants should be members of the R.I.B.A. by examination and/or holding equivalent academic qualifications with experience of contemporary architectural and/or structural design. Salary scale Grade V A.P. and T. Division, £250—£570 per annum.

The appointments are superannuable and subject to a satisfactory medical examination. Canvassing will be a disqualification. Forms of application can be obtained from the undersigned, to whom they should be returned, duly completed, not later than March 12th, 1949.

WALTER BARRETT, M.B.E., A.R.I.B.A.,

County Architect.

County Offices,

Haverfordwest.

16th February, 1949.

1813

BOROUGH OF NELSON.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the Borough Surveyor's Department at a salary in accordance with Grade IV of the National Scales (£240 × £15—£255) (consolidated).

Candidates should have experience in housing and general work and preference will be given to applicants who have passed the Final or Inter. R.I.B.A. examination. Applications, giving detailed particulars of experience and qualifications, endorsed "Architectural Assistant," with copies of three recent testimonials, to be delivered to the undersigned on or before Thursday, 10th March, 1949.

F. W. ROBERTS,

Town Clerk.

Town Hall, Nelson,

Lancashire.

15th February, 1949.

1821

WEST SUFFOLK COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
APPOINTMENT OF DEPUTY COUNTY ARCHITECT.

Applications are invited for the appointment of DEPUTY COUNTY ARCHITECT at a salary on A.P.T. Grade VIII (£685—£760), commencing salary according to qualifications and experience.

Applicants should be fully qualified, preferably Associates of the Royal Institute of British Architects, and should have had considerable experience of architectural design and construction, and be capable of assuming full responsibility and supervision of the day-to-day work of the Department, which is mainly concerned with new school, police and health building work, and general maintenance and improvements of the County buildings; also possess organising ability and experience in the management of building contracts.

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

Forms of application may be obtained from the undersigned, by whom applications, together with the names of two referees, should be received not later than Tuesday, the 15th March, 1949.

L. G. H. MUNSEY,

Clerk of the County Council.

Shire Hall,

Bury St. Edmund's.

17th February, 1949.

1823

WEST SUFFOLK COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the County Architect's Department. Salaries as indicated in accordance with the National Joint Council Salary Scales, position on scales according to qualifications and experience, viz:—

(a) QUANTITY SURVEYOR—A.P.T. Grade VI—VII (£595—£710).

(b) ASSISTANT ARCHITECT—A.P.T. Grade VI (£595—£660).

(c) ASSISTANT ARCHITECT—A.P.T. Grade V—Va (£520—£610).

Candidates in respect of (a) should have had experience in the preparation of Bills of Quantities, interim valuations, settlement of final accounts, and estimating for all classes of building work, including new works and improvements to existing County buildings. Preference will be given to those who are Associates of the Royal Institute of Chartered Surveyors (Quantities Division).

Candidates in respect of (b) and (c) appointments should have a sound knowledge of architectural design and construction, be quick and accurate draughtsmen, capable of preparing sketch plans, working drawings and specifications in respect of new school, police, health and other building work normally undertaken by a Local Authority. Applicants must be Registered Architects.

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

Forms of application may be obtained from the undersigned, by whom applications, together with the names of two referees, should be received not later than Tuesday, the 15th March, 1949.

L. G. H. MUNSEY,

Clerk of the County Council.

Shire Hall.

Bury St. Edmund's.

17th February, 1949.

1824

EASTBOURNE HOSPITAL MANAGEMENT COMMITTEE.

Applications are invited for the post of HOSPITAL MAINTENANCE ENGINEER, salary £560 × £20 to £660 per annum. The person appointed will be responsible for the satisfactory operation and maintenance of the engineering services in the Committee's Hospitals and the maintenance of the fabric of the buildings. He should have a sound knowledge of the efficient operation of institutional boiler plants, engineering and electrical services, and be competent to advise on and supervise building maintenance.

The applicant should possess a qualification at least up to the Higher National Diploma or Certificate in Mechanical Engineering. Hospital experience will be an additional qualification. The appointment is subject to three months' notice on either side and will also be subject to the provisions of the National Health Service (Superannuation) Regulations and to a satisfactory medical examination.

Applications stating age, whether married or single, present salary and position, experience and two recent testimonials, must be sent within one week of the publication of this advertisement to:—The Secretary, Eastbourne Hospital Management Committee, 29, Bedfordwell Road, Eastbourne, Sussex.

COUNTY BOROUGH OF WOLVERHAMPTON.

Applications are invited for the following permanent appointments in the Architectural Section of the Borough Engineer's Department.

(a) SENIOR ASSISTANT ARCHITECTS, salary A.P.T. Division Grade VI—£595—£660 per annum.

(b) ARCHITECTURAL ASSISTANTS, salary A.P.T. Division Grade V—£520—£570 per annum.

(c) ARCHITECTURAL ASSISTANT, salary A.P.T. Division Grade IV—£480—£525 per annum.

(d) JUNIOR ARCHITECTURAL ASSISTANT, salary A.P.T. Division Grade III—£450—£495 per annum.

Applicants for (a) must be Associates of the Royal Institute of British Architects. Preference will be given to applicants who have had experience in the design and construction of buildings for Educational purposes, or on Flats and general Housing Work.

In the case of (b) preference will be given to members of the R.I.B.A., and (c) to applicants who have passed the intermediate examination of the R.I.B.A.

Previous experience in Local Government work is not essential.

The appointments, terminable by one month's notice on either side, are subject to the provisions of the Local Government Officers' Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination. The Conditions of Service will be those of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

Applications stating age, qualifications, present position, and full details of experience, together with copies of three recent testimonials, should be delivered to the undersigned not later than Wednesday, the 9th March, 1949.

Applicants must state clearly for which Appointment they are applying and the envelope should be suitably endorsed.

J. BROCK ALLON,

Town Clerk.

Town Hall,

Wolverhampton.

15th February, 1949.

1812

CITY OF NOTTINGHAM.

HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments—

- (a) JUNIOR ASSISTANT ARCHITECT. A.P.T., Grade III. Salary £450×£15—£495 per annum.
- (b) JUNIOR ARCHITECTURAL ASSISTANT. A.P.T., Grade I. Salary £390×£15—£435 per annum.

The appointments are in accordance with the National Joint Council's Scheme of Conditions of Service, and will be subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination.

Applications, giving details of age, training, qualifications, present appointment and salary, together with the names and addresses of two persons to whom reference can be made, should be forwarded to C. A. Pilkington, L.R.I.B.A., Housing Architect, The Guildhall, Nottingham, not later than Wednesday, 9th March, 1949.

J. E. RICHARDS, Town Clerk.

The Guildhall, Nottingham. 1761

BIRMINGHAM REGIONAL HOSPITAL BOARD.

Applications are invited for the undermentioned appointment in the Architect's Department—

CLERK OF WORKS. Salary scale A.P.T., IV, £400-£525. Applicants should have a good practical knowledge of all trades and experience in measuring up and dealing with time sheets, delivery invoices, and general job book-keeping. The person appointed to the post will be required to visit hospitals within the counties of Warwickshire, Worcestershire, Staffordshire, Shropshire and Herefordshire, and to prepare reports from schedules of conditions and specifications relating to maintenance work, and may be called upon to fill the duties of Clerk of Works in specific projects. Preference will be given to applicants who have passed the R.I.B.A. examination for Clerks of Works. Applications, giving particulars of age, experience and qualifications, and the names of three referees, should be sent to the Secretary, Birmingham Regional Hospital Board, 18, Augustus Road, Birmingham, 15, to be received by 27th March, 1949. 1727

KENT COUNTY COUNCIL.

Applications are invited from Members of the Royal Institute of British Architects for the following appointments—

- (1) ONE SENIOR ASSISTANT ARCHITECT. A.P.T., Grade VII (£635-£710).
- (2) ONE SENIOR ASSISTANT ARCHITECT. A.P.T., Grade VI (£595-£660).
- (3) FIVE ASSISTANT ARCHITECTS. A.P.T., Grade V(a) (£550-£610).

Experience in an Architect's department of a Local Authority will be an advantage, but is not essential.

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

Candidates for (1) must be experienced in the design and construction of buildings and competent to take charge of schemes.

Candidates for (2) must have good general experience in modern building practice and be competent to take charge of schemes.

Candidates for (3) must have good general experience in modern building practice. Applications, on forms obtainable from the County Architect, Springfield, Maidstone, should be delivered to him not later than fourteen days from the appearance of this advertisement.

W. L. PLATTS, Clerk of the County Council.

County Hall, Maidstone. 1711

PLINTSHIRE COUNTY COUNCIL.

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

- (a) QUANTITY SURVEYOR. Salary A.P.T., VI (£595 rising to £650 per annum).
- (b) ASSISTANT ARCHITECT. Salary A.P.T., V (£520 rising to £570 per annum).
- (c) ASSISTANT ARCHITECTS (two vacancies). Salary A.P.T., IV (£480 rising to £525 per annum).

Applicants for (a) must be Members of the Royal Institute of Chartered Surveyors (Quantity), and must be capable of preparing Bills of Quantities, Estimates, measuring up and dealing with Contractors' accounts for large contracts. Applicants for (b) must be Registered Architects and Associate Members of the Royal Institute of British Architects or possess similar qualifications, and should have had adequate professional experience in the preparation of surveys, designs, specifications and construction of modern buildings, particularly school buildings. Applicants for (c) should be Registered Architects, preferably Members of the Royal Institute of British Architects or possess similar qualifications, and should have had adequate professional experience in the preparation of surveys, plans, and details for schools or other buildings dealt with by Local Authorities, and have a sound knowledge of design, construction and specifications.

Applications, on forms to be obtained from the undersigned, accompanied by copy of one recent testimonial and the names and addresses of two other persons willing to supply further testimonials, are to be returned so as to be received not later than the 14th March, 1949.

W. HUGHES-JONES, Clerk of the County Council.

County Buildings, Mold. 1801

METROPOLITAN BOROUGH OF FULHAM.

HOUSING AND PUBLIC BUILDINGS DEPARTMENT.

Applications are invited for the following appointments in the Housing and Public Buildings Department—

- (a) ASSISTANT ARCHITECT (A.P.T., V £520-£570 per annum, plus London weighting).
- (b) ASSISTANT ARCHITECT (A.P.T., IV/V, £480-£570 per annum, plus London weighting).
- (c) ARCHITECTURAL ASSISTANT.

Candidates for appointments (a) and (b) must be Chartered or Registered Architects, with experience in the design and construction of blocks of flats and other buildings required by a Local Authority.

Candidates for appointment (c) should have reached the standard of the Intermediate examination of the R.I.B.A., and preference will be given to candidates possessing this qualification, and with previous Local Government experience.

Salary: A.P.T., Grade I, of the National Scales (£390×£15—£435 per annum), plus London weighting of £20 at ages 21 to 25 and £30 at age 26 and over.

The salary for candidates not holding this qualification or its equivalent will be in the General Division (£290 per annum at 25 years of age, rising to £385 per annum at 32 years of age—males), plus London weighting of £20 at ages 21 to 25 and £30 at age 26 and over.

Applications on the official form, which may be obtained from me on receipt of a stamped addressed envelope, must be returned not later than noon on Monday, 7th March, 1949.

CYRIL F. TEATCHER, Town Clerk.

Town Hall, Fulham, S.W.6. 1792

BOROUGH OF BACUP.

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant in the Office of the Borough Engineer and Surveyor.

Applicants must have had sound training by pupillage, and had previous experience in the design and construction of building works, particularly in relation to housing. Preference will be given to persons qualified by the examination of the R.I.B.A.

The salary will be in accordance with Grade IV, A.P. & T. Division, of the National Scales of Salaries (£480×£15—£525 per annum).

The appointment will be subject to one month's notice in writing on either side at any time, to the provisions of the Local Government Superannuation Act, 1937, and the National Joint Council's Scheme of Conditions of Service, and to the selected candidate passing a medical examination.

Housing accommodation will be found by the Council for the successful candidate, if a married man and coming from outside the Borough.

Applications, stating age, qualifications, past and present appointments, with details of experience, together with copies of two recent testimonials, should be sent to the undersigned not later than Friday, 11th March, 1949.

C. G. EVERATT, Town Clerk.

Municipal Offices, Bacup. 1791

BRECONSHIRE COUNTY COUNCIL.

PLANNING DEPARTMENT.

Applications are invited for the permanent appointment of CHIEF ASSISTANT in the Planning Department.

Candidates should have passed or obtained exemption from the Final examination of the Town Planning Institute, and should have experience of development control and the preparation of planning schemes. Preference will be given to applicants who hold a qualification in Architecture.

The salary payable will be in accordance with A.P. & T. Grade I of the National Joint Council's scale, viz. £520 per annum, rising by annual increments to £570 per annum.

The appointment will be subject to (i) the National Scheme of Conditions of Service, (ii) the provisions of the Local Government Superannuation Act, 1937, (iii) the passing of a satisfactory medical examination, (iv) one month's written notice on either side.

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, must reach the undersigned not later than 19th March, 1949.

Canvassing, directly or indirectly, will definitely disqualify the candidate for the appointment.

C. M. S. WELLS, Clerk of the County Council.

County Hall, Brecon. 1787

COUNTY OF ESSEX.

ILFORD BOROUGH COUNCIL.

Applications are invited for the post of ARCHITECTURAL ASSISTANT, A.P.T. Division, Grade III, on the staff of the Essex County Council, to work in the office of the Borough Engineer of Ilford, to deal with Education Architectural work within the Borough. Applicants for this post should have had a good general training and experience.

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

K. F. B. NICHOLLS, Town Clerk.

Town Hall, Ilford. 1721

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the position of ASSISTANT QUANTITY SURVEYOR, Grade VIII at a commencing salary of £585, rising by annual increments of £25 to a maximum of £760 per annum, plus London allowance of £30 per annum.

Applicants should possess approved qualifications and experience, and preference will be given to those who are Members of the Royal Institution of Chartered Surveyors (Quantity Sub-Division). They should be capable of undertaking all stages of the work for the preparation of Bills of Quantities, including preliminary estimates, the preparation and settlement of final accounts, site measurement, and preparation of interim certificates.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 12th March, 1949.

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

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

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames. 1798

METROPOLITAN BOROUGH OF HOLBORN.

ASSISTANT ARCHITECT.

Applications are invited for the following appointment on the established staff in the Housing and Planning Department.

(Grade, A.P.T. V.). Salary £520 (consolidated) rising by two increments of £15 and one of £20 to a maximum of £570 per annum, plus London Weighting.

Candidates should be suitably qualified Architects and should have had a good general architectural training, including experience in the preparation of sketch plans, specifications and estimates. They should also be used to supervising works in progress. Experience in municipal housing in London would be an advantage. No application forms will be issued.

Full particulars, together with the names of three referees, to the Town Clerk, Town Hall, 197, High Holborn, W.C.1, not later than 12th March, 1949. 1810

CROWN AGENTS FOR THE COLONIES.

Applications from qualified candidates are invited for the following post—

STRUCTURAL DRAUGHTSMAN required by the Government of Kenya for four years in first instance. Commencing salary according to experience in the scale £670 a year, rising to £840 a year. Free passages. Outfit allowance £30. Separation allowance. Gratuity. Candidates should have had experience of commercial reinforced concrete design and if possible experience of steelwork design as applied to buildings. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications, experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/24333/3D, on both letter and envelope. 1803

REGIONAL HOSPITAL BOARDS OF SCOTLAND (EXCEPT WESTERN).

CHIEF ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the Chief's Architect's Department, headquarters in Edinburgh—

ONE SENIOR ASSISTANT ARCHITECT. Salary scale, A.P.T. Grade VIII, £685 to £760. Applicants should preferably be Members of the R.I.B.A. by examination, or hold an equivalent qualification, and should preferably have had wide experience of the planning and design and construction of hospital buildings. The scope of the work will include the planning and design of new Hospitals, and applicants must have first-class architectural and organizing abilities.

ONE ASSISTANT ARCHITECT. Salary scale, A.P.T. Grade VI, £595 to £660.

Applicants should preferably be Members of the R.I.B.A., and possess a thorough general experience in architectural planning and design and construction. Special experience of Hospital work is desirable, but not essential.

ONE ARCHITECTURAL ASSISTANT. Salary scale, A.P.T., Grade V, £520 to £570.

Applicants should preferably be Members of the R.I.B.A. or be studying to sit the Final examination, and should have had a thorough architectural training and possess a good general experience of architectural work.

The posts are subject to the provisions of the National Health Service (Scotland) (Superannuation) Regulations, 1948, and the successful candidates will be required to pass a medical examination.

Applications, giving name, address, age, qualifications, experience, present and previous appointments and salary, accompanied by copies of two recent testimonials and the names and addresses of two referees to whom reference may be made, should be addressed to the undersigned at 5, Cambridge Street, Edinburgh, 1, on or before the 5th March, 1949.

R. FORBES HUTCHISON, A.R.I.B.A., Chief Architect.

7th February, 1949. 1714

BOROUGH OF BAILING.
ARCHITECTURAL ASSISTANTS—BOROUGH
ENGINEER AND SURVEYOR'S
DEPARTMENT.

Applications are invited for the following Permanent Appointments:—

- (a) ARCHITECTURAL ASSISTANT, Grade VI, A.P.T. Division (£625—£690 inclusive, per annum).
- (b) ARCHITECTURAL ASSISTANT, Grade V, A.P.T. Division (£560—£600 inclusive, per annum).

Applicants must either be Associate Members of the Royal Institute of British Architects or possess a recognized equivalent qualification. Preference will be given to candidates with municipal experience.

The Council is unable to provide housing accommodation for the successful candidate. Forms of application, together with conditions of appointment, may be obtained from the Borough Engineer and Surveyor, Town Hall, Ealing, W.5, and must be returned to me not later than the 12th March, 1949.

E. J. COPE-BROWN,
Town Clerk.

Town Hall, Ealing, W.5. 1838

HERNE BAY URBAN DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECT.

Applications are invited for the above appointment in the Engineer and Surveyor's Department at an inclusive salary of £750 per annum. Applicants must hold a recognized professional qualification and have had sound experience in architectural work.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by three months' notice on either side.

Applications, accompanied by two recent testimonials, must be delivered to the undersigned not later than 11th March, 1949.

Canvassing will disqualify.

A. C. BRADBURY,
Clerk of the Council.

Council Offices, Herne Bay, Kent. 1822

KING'S COLLEGE HOSPITAL, DENMARK
HILL, LONDON, S.E.5.

Applications are invited for the position of ARCHITECTURAL DRAUGHTSMAN in the Architect's Department of this Hospital. Candidates should be capable of carrying out surveys quickly and accurately. Experience of Hospital work would be an advantage.

The salary will be within the range of £355 to £400 a year, according to experience, plus London weighting up to £30 a year, according to age. The appointment will be subject to the National Health Service (Superannuation) Regulations, 1947/8, and the successful applicant will be required to pass a medical examination.

Applications, stating age, education, qualifications and full details of experience, and enclosing copies of two testimonials, to be sent to the undersigned not later than 21st March, 1949.

S. W. BARNES,
House Governor and Secretary. 1794

CAMBORNE-REDRUTH URBAN DISTRICT
COUNCIL.

APPOINTMENT OF ASSISTANT ARCHITECTS
AND ASSISTANT ENGINEER.

Applications are invited for the undermentioned appointments in the Department of the Engineer and Surveyor:—

ONE ASSISTANT ARCHITECT.—Salary Grade A.P.T. VI (£595 to £660 per annum).

Applicants must be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications, and have had experience in the design and supervision of Municipal Housing Works.

ONE ASSISTANT ARCHITECT.—Salary Grade A.P.T. VII (£635 to £710 per annum).

Applicants should preferably have passed the Intermediate Examination of the Royal Institute of British Architects, and have had experience of Municipal Housing Works.

ONE ASSISTANT ENGINEER.—Salary Grade A.P.T. III (£450 to £495 per annum).

Applicants should be experienced in road and sewer development for housing estates, the preparation of Bills of Quantities, and the design of sewers. Preference will be given to applicants who have passed the examination for Associate Membership of the Institution of Civil Engineers, and/or the Testamur of the Institution of Municipal Engineers.

The appointment will be subject to the National Joint Council Scheme of Conditions of Service, and the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side.

Applications, stating age, present and previous appointments held, together with copies of three recent testimonials, should be forwarded in envelopes, appropriately endorsed, addressed to Mr. N. Barrett, A.M.I.C.E., M.I.Mun.E., Engineer and Surveyor, Council Offices, Camborne, so as to be received not later than first post on Wednesday, 16th March, 1949.

Applicants must disclose, in writing, whether or not they are related to any Member or Serving Officer of the Council.

Canvassing will disqualify.

S. C. WILSON,
Clerk to the Council.

Council Offices, Camborne, Cornwall. 1843

SOUTHERN ELECTRICITY BOARD.

NO. 1 (SOUTHWALL) SUB-AREA.
APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the position of Quantity Surveyor at Sub-Area Engineering Headquarters, at Waterloo Road, Uxbridge.

The commencing salary, which is provisional and subject to adjustment by the appropriate negotiating machinery, will lie within the range £500-£700 per annum, at a point dependent upon qualifications and experience.

Candidates, who should be Members of the Chartered Surveyors' Institution, must be fully experienced in the writing of specifications, the working up and preparation of Bills of Quantities for Industrial type buildings, Showrooms and Offices, and be capable of settling Contractors' accounts and preparing preliminary estimates for projected schemes.

Applications, on the prescribed form obtainable from the Administrative Officer, Southern Electricity Board, 2/6 Windmill Lane, Southall, should be sent so as to reach there not later than 14 days after the publication of this notice.

F. W. KEMPTON,
Secretary. 1836

COUNTY COUNCIL OF DURHAM.
COUNTY PLANNING DEPARTMENT.

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

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

(b) TWO ASSISTANT AREA PLANNING OFFICERS, Grade V, A.P.T. (£550-£610).

(c) RESEARCH ASSISTANT (Male or Female), Grade II, A.P.T. (£390-£435).

The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination by the Council's Medical Officer. The appointments will be terminable by one calendar month's notice in writing on either side. Canvassing, either directly or indirectly, will disqualify. Applicants must disclose in writing whether to their knowledge they are related to any member or to the holder of any senior office under the Council.

Applications, stating age, married or single, and giving full particulars of qualifications and experience, and the names of three persons to whom reference may be made, must be delivered to the County Planning Officer, 10, Church Street, Durham, not later than Friday, 4th March, 1949.

J. K. HOPE,
Clerk of the County Council. 1795

SHIRE HALL, DURHAM.

NORTH EAST METROPOLITAN REGIONAL
HOSPITAL BOARD.

Applications are invited for the following appointments on the Board's Headquarters Staff:

(I) QUANTITY SURVEYOR.—Salary scale £760-£825-£860. Candidates should have passed the final examination of the Royal Institution of Chartered Surveyors (Quantity Section) and have had considerable experience in the preparation of Bills of Quantities, estimates, the checking of Builders' Tenders and Priced Bills, and the settling of final accounts. Experience in estimating quantities of controlled materials in connection with building projects is also necessary.

(II) ASSISTANT ARCHITECT (Two Positions).—Salary scale £625-£720-£665-£725-£690. Candidates should be Associates of the Royal Institution of British Architects. Experience of hospital work is desirable but not essential.

Each salary scale includes London Weighting and the appointments are subject to Medical examination and to the National Health Service (Superannuation) Regulations, 1947/48.

Applications, showing name, age, present position, salary and experience, together with the names of three referees, should reach C. E. NICOL, Secretary, North East Metropolitan Regional Hospital Board, 11a, Portland Place, London, W.1, not later than 14 days after publication of this advertisement. Canvassing disqualifies. 1848

URBAN DISTRICT OF WOLVERTON.

ENGINEER AND SURVEYOR'S
DEPARTMENT.

Applications are invited for the appointment of BUILDING INSPECTOR/CLERK OF WORKS, in A.P.T. Division Grade III (£450-£495) or (in the case of suitably experienced and qualified candidates) in Grade IV (£480-£525).

A car allowance will be payable on the National scale.

Housing accommodation available. Candidates must be experienced in inspecting and reporting on plans deposited by Byelaw and Town Planning consideration, and the supervision of (a) development under Byelaws; (b) new constructional works of a building or civil engineering character; and (c) maintenance work (by contract and direct labour) on Council owned buildings, etc.

Preference will be given to applicants holding the Building Inspector's Certificate of the Inst. Mun. Engrs., or equivalent qualification.

Applications stating age, qualifications, present and previous appointments and experience, together with the names and addresses of two referees, should be delivered to the undersigned by Friday, 11th March, 1949.

A. J. W. JEFFERY,
Clerk of the Council.

Council Offices, Market Square, Stony Stratford, Bucks. 1847

BOROUGH OF LLANELLY.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT in the Borough Architect's Department at a salary in accordance with Grades A.P.T. II and III, £420-£495.

Applicants must hold an Architectural qualification and should possess sound experience in the preparation of drawings and specifications for the construction and maintenance of houses, public buildings, and other types of building work carried out by a Local Authority.

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

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

Applications marked "Architectural Assistant," stating age, particulars of training, qualifications and experience, together with copies of two recent testimonials, should reach the undersigned not later than the 5th day of March, 1949.

DAVID J. PHILLIPS,
Town Clerk.

Town Hall, Llanelly. 1811

CITY OF SALFORD.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the City Engineer's Department. Salary in accordance with Grade III, A.P.T. Division, of the National Scale of Salaries—£450, rising by annual increments of £15 to a maximum of £495.

Preference will be given to applicants who have passed the Intermediate Examination of the R.I.B.A. and have had experience in general architectural work and be able to prepare working drawings.

The appointment will be subject to: (1) The provisions of the Local Government Superannuation Act, 1937; (2) the National Joint Council Scheme of Conditions of Service as adopted by the Council; and (3) the passing of a medical examination.

Applications, giving details of age, training and experience, together with copies of two recent testimonials, and endorsed "Architectural Assistant," to be addressed to the City Engineer, Town Hall, Salford, 3, and forwarded so as to be received not later than Friday, 18th March, 1949.

Applicants must disclose in writing whether or not they are related to any member of the Council or an officer of the authority.

H. H. TOMSON,
Town Clerk. 1801

CARDIGANSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT. Salary Grade, A.P.T. VII (£635-£710). Suitable applicants to be eligible for re-grading to A.P.T. VIII (£685-£725-£760) after one year's service with the Authority.

(b) ARCHITECTURAL ASSISTANT. Salary Grade, A.P.T. I (£390-£435).

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

Candidates for (a) should be Associates of the R.I.B.A. and should have recent experience in the design and construction of educational buildings.

Candidates for (b) should preferably have passed the Intermediate examination of the R.I.B.A. and have good general experience in architectural work.

Applications, suitably endorsed, stating age, qualifications, experience, previous appointments, present appointment and salary, accompanied by two recent testimonials and giving the name of one referee, should be delivered to the undersigned not later than 4th March, 1949.

IVOR EVANS,
Clerk of the Council.

County Council Offices, Aberystwyth. 1840

COUNTY BOROUGH OF OLDHAM.
APPOINTMENT OF PRINCIPAL
ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment in my Department at a salary of £595-£660 per annum, being Grade VI of the National Scale of Salaries.

The successful candidate will be provided with HOUSING ACCOMMODATION if necessary.

Candidates must hold recognized Architectural qualifications and must possess wide experience in the design of large private or public buildings. The appointment will be subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, stating age and previous appointments, in addition to qualifications and experience, and copies of three recent testimonials, must reach the undersigned not later than Monday, the 14th March, 1949, in envelopes endorsed "Principal Architectural Assistant."

A. L. HOBSON,
Borough Engineer and Surveyor.

Municipal Buildings, 75, Union Street, Oldham. 19th February, 1949. 1946

BOROUGH OF COLNE. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for this permanent whole-time appointment in the Borough Engineer and Surveyor's Department. Salary, A.P.T. Grade V (£520 to £570 per annum). Appointment subject to medical examination. **HOUSING ACCOMMODATION IS AVAILABLE.** Applicants must be experienced in the preparation of Specifications and Estimates, with particular reference to housing development, and should have had a thorough training in design and building construction, preferably with a local authority. Preference will be given to holders of a recognized examination qualification. Applications, endorsed "Architectural Assistant," stating age, qualifications, full details of experience, and names of three referees, to be delivered to the undersigned by 8th March. Canvassing in any form will disqualify.

L. A. VENABLES,
Town Clerk.

Town Hall,
Colne, Lancs. 1809

ESSEX EDUCATION COMMITTEE. SOUTH-EAST ESSEX TECHNICAL COLLEGE AND SCHOOL OF ART, LONGBRIDGE ROAD, DAGENHAM.

Full-time LECTURER (Man) required for courses leading to the Intermediate Examinations of the R.I.B.A. and R.I.C.S. Applicants must have practical knowledge of Building Construction and experience in one or more of the following:

Elementary Surveying and Levelling;
Quantities;
Valuations;
Draughtsmanship;
Architectural History.
Teaching experience is not essential. Salary: Assistants' Scale of the Burnham Further Education Report (£300×215 to £555) plus London Allowance (£36 or £48) and allowances for qualifications and training. Commencing salary determined by previous teaching and professional experience.

Further particulars and forms of application, which should be returned to him within 14 days of advertisement, may be obtained from the Clerk to the Governors at the College.

B. E. LAWRENCE,
Chief Education Officer.

County Offices,
Chelmsford. 1845

CHICHESTER RURAL DISTRICT COUNCIL. APPOINTMENT OF DRAUGHTSMAN (GRADE I).

Applications are invited for the permanent appointment of DRAUGHTSMAN, A.P.T. Grade I, in the Engineer and Surveyor's Department. Applicants must have had previous experience in the preparation of working drawings for housing and drainage schemes either in a local authority engineer's or architect's office. Preference will be given to candidates who have obtained some part of a recognized professional examination.

The appointment is subject to: (a) The National Scheme of Conditions of Service, (b) one month's notice on either side, and (c) a medical examination. Further information, if required, may be obtained from J. K. Lawson, F.R.I.C.S., Engineer and Surveyor, East Pallant House, Chichester.

Applications, accompanied by copies of two testimonials, must be delivered to the undersigned not later than Monday, 7th March, 1949. Applicants must state whether they are to their knowledge related to any member or senior official of the Council.

LEONARD BAILEY,
Clerk to the Council.

Pallant House, Chichester. 1842

LANCASHIRE COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT. APPOINTMENT OF ASSISTANT PLANNING OFFICER (ARCHITECTURAL).

Applications are invited for the appointment of ASSISTANT PLANNING OFFICER (ARCHITECTURAL) in the Headquarters Office of the County Planning Department, County Offices, Preston. The commencing salary will be within the range of £1,060×£50 to £1,310 per annum, according to qualifications and experience.

Candidates must possess a Degree or Diploma in Architecture, or have passed the final examination of the Royal Institute of British Architects. Membership of the Town Planning Institute will be an advantage.

They should have had extensive experience in the detailed planning of residential and industrial areas and central areas. Experience in the execution of such schemes is desirable.

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

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 G. W. Sutton Brown, B.Sc., A.M.I.C.E., County Planning Officer, County Offices, Preston.

The final date for the receipt of applications is Saturday, 19th March, 1949.

R. H. ADCOCK,

Clerk of the County Council.

County Offices, Preston. 1839

BOROUGH OF TORQUAY.

Applications are invited for the post of JUNIOR ARCHITECTURAL ASSISTANT in the Borough Surveyor's Department at a salary of £390×£15-£435 per annum.

Preference will be given to candidates possessing the R.I.B.A. Inter examination.

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

The Council will endeavour to find living accommodation, if required, for the person appointed.

Applications, giving details of education, experience, age, etc., together with copies of two recent testimonials, should be sent to the Borough Surveyor, Town Hall, Torquay, not later than Saturday, 12th March, 1949.

T. ELVED WILLIAMS,

Town Clerk.

18th February, 1949.

ESSEX EDUCATION COMMITTEE. MID-ESSEX TECHNICAL COLLEGE AND SCHOOL OF ART, CHELMSFORD.

Applications are invited from suitably qualified persons for the two full-time posts of LECTURER IN ARCHITECTURE AND LECTURER IN BUILDING SCIENCE AND MATHEMATICS.

Salary in accordance with the Assistants' Scale of the Burnham Further Education Report, with increments for approved professional and/or teaching experience.

Further particulars and application forms may be obtained (stamped addressed foolscap envelope) from the Clerk to the Governors, Mid-Essex Technical College, Market Road, Chelmsford, to whom completed application forms should be returned as soon as possible.

B. E. LAWRENCE,

Chief Education Officer.

1844

Tenders for Contracts

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

CITY AND COUNTY OF THE CITY OF EXETER.

ERECTION OF 195 TRADITIONAL HOUSES ON THE STOKES HILL, AND COUNTESS WEAR ESTATES.

Contractors desirous of tendering for all or any of the eleven groups into which this contract is divided, are requested to forward a deposit cheque for Two Guineas, made payable to "The Exeter City Council" and crossed "Account Payee," to the City Treasurer, Municipal Offices, Exeter, not later than 10 a.m. on the 7th March, 1949.

Bills of Quantities, etc., together with instructions for tendering, will then be supplied, and plans will be available for inspection at the office of the undersigned or will be forwarded on application.

The deposit will be refunded on receipt of a bona fide tender which is not subsequently withdrawn and on the return of the documents.

Canvassing of members of the Council will disqualify.

The Council do not bind themselves to accept the lowest or any tender.

HAROLD B. ROWE, F.R.I.B.A., A.M.I.STRUCT.E.,
City Architect.

Municipal Offices, Exeter.

15th February, 1949.

Exeter.

1814

COUNTY COUNCIL OF DURHAM. PAINTING SECTION. SUPPLY OF PAINTER'S MATERIALS, TOOLS AND PLANT, 1949-50.

Quotations are invited for the supply of painter's materials, tools, and plant for the year ending March 31st, 1950.

Prices should be nett and devoid of any discount, either trade or cash, and to be inclusive of delivery to any building in the Administrative Area of the County of Durham.

All materials quoted should be as specified by the British Standard Institution.

Schedules of painter's materials, tools and plant may be had on application to the undersigned.

Quotations should reach me by no later than first post, 12th March, 1949.

G. R. CLAYTON, F.R.I.B.A.,

County Architect.

County Architect's Office,

Court Lane, Durham.

14th February, 1949.

1832

Partnerships and Financial

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

CHARTERED ARCHITECT with growing practice and wide connections desires partnership with established firm of architects. London or Surrey area. Some capital available. Please write fully and in confidence to Box 1285.

Architectural Appointments Vacant

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

TWO ARCHITECTURAL ASSISTANTS required by firm of Architects with offices in West End of London: applicants should be up to R.I.B.A. Intermediate standard at least. Please apply by letter stating age, experience, and salary required. This position would possibly suit two friends desiring employment together. Box 1295.

MR. LAWRENCE BOND requires an ASSISTANT, at least Inter. standard, in his practice as Diocesan Surveyor and Church Architect, at 11, Elmer Street, Grantham. 1531

ARCHITECTURAL ASSISTANT required (qualified) for General Practice—Surveys, Working Drawings and Specifications. Write, stating age, previous experience and salary required, Henry C. Smart & Partners, L.R.I.B.A., 120, Moorgate, E.C.2. 1555

SEELY & PAGET, F.L.R.I.B.A., require fully qualified ASSISTANT; must be experienced working drawings and specifications, with sound knowledge of all normal methods of construction; licensed work now in hand includes many important Ecclesiastical commissions. Apply by letter giving usual details to 41, Cloth Fair, E.C.1. 1581

AN expanding Middle East Oil Company urgently requires an ASSISTANT ARCHITECT in the London office, for the execution of sketch and working drawings connected with any architectural items required; should be up to senior architectural standard; A.R.I.B.A. preferable; not less than 7 years in drawing offices engaged on housing schemes, public buildings, town planning, etc.; knowledge of Middle East architectural practice, climatic difficulties, materials, is an advantage; some knowledge of reinforced concrete and specialised construction, including the "Bellrock" system, desirable; age 25-40; salary £600-£750 per annum, according to age and experience. Write, giving brief details for application form, and quoting LO 125, to Box "Z.F.", c/o J. W. Vickers & Co., Ltd., 7/8, Great Winchester Street, London, E.C.2. 1534

SENIOR ARCHITECTURAL ASSISTANTS required for General Architectural Practice. Reply, stating experience and salary required, to Thomas Worthington & Sons, 178, Oxford Road, Manchester, 13. 1673

MARTIN, MARTIN & W. H. WARD, 106, Colmore Row, Birmingham, 3.—ARCHITECTURAL ASSISTANT, experienced, required by above. Write, stating age, experience, and qualifications. 1702

NORMAN & DAWBARN require ARCHITECTURAL ASSISTANT, with considerable experience of preparing working drawings; age around 35; salary up to £750. Also a younger ASSISTANT, with good office experience; salary up to £600. Write only to 5, Gower Street, W.C.1. 1710

ARCHITECTURAL ASSISTANT required; salary £500-£600, according to experience. Write, giving details, to Elie Mayorcas, F.R.I.B.A., 15, Robert Adam Street, W.1. 1713

A VACANCY occurs in the near future in an expanding Architect's and Surveyor's office in East London suburbs, 12 miles from London, for a good DRAUGHTSMAN, with previous office experience. Please state age, experience, and salary required, to Box 1759.

JUNIOR ARCHITECTURAL ASSISTANT required in London office; salary according to experience, G. H. N. Inman & H. A. J. Darlow, F.A.R.I.B.A., The Charterhouse, E.C.1. (C.L.E. 4414.) 1797

JUNIOR ASSISTANTS required for Chartered Architect's office in London or Watford, Herts; salary £500 p.a.; no Saturdays. Apply, giving full details of experience and capabilities, Box 1799.

ARCHITECTURAL ASSISTANTS required for London office; salaries £600-£700; no Saturdays. Write, giving full details of qualifications and experience, Box 1800.

WELL-Known Coventry Motor Manufacturer requires a young CHARTERED ARCHITECT for interesting and progressive post. Write, stating age, qualifications, experience, and salary required, to Box 1789.

ASSISTANT ARCHITECT required by large industrial organization for service in the Middle East for work on development of sites and designs of housing amenity buildings; L.R.I.B.A. experience, and a minimum of 5 years in an Architect's office on Housing Development essential; age limit 35 years; attractive salary, plus generous allowance in local currency; free passages out and home; free medical attention; kit allowance; pension scheme; good leave arrangements. Write, giving age and details of qualifications and career, quoting Department F.12, to Box 1882, at 191, Gresham House, E.C.2. 1788

SENIOR ARCHITECTURAL DRAUGHTSMAN required for large Industrial and Commercial Company in London; should be able to make site surveys, prepare working and detail drawings and specifications; please state age, experience, and salary required. Box 1782.

AN opportunity occurs in a London Architect's office for one capable **SENIOR ASSISTANT**. Please send full details of capabilities to Box 1778.

ARCHITECTS, practising in the City of Liverpool, require **ASSISTANT (A.R.I.B.A.)**, age early thirties, for housing and hospital development work; commencing salary £750 p.a. Apply Box 1777.

ARCHITECTURAL ASSISTANTS of all grades, also **SHOPFITTING ASSISTANT**, required in Architect's London office of expanding Chain Store organization; salary in accordance with qualifications and experience; pension scheme and staff canteen provided; alternate Saturdays free. Applications, giving full details of age, qualifications, experience and salary required, to Box F.T.370, Everett Advertising, Ltd., 10, Hertford Street, W.1. 1772

REQUIRED immediately. N.E. London. **SENIOR ARCHITECTURAL ASSISTANT**; Final standard; experienced industrial and commercial buildings. Box 1773.

ARCHITECTURAL DRAUGHTSMAN, 20/25, required immediately in Construction Department of large London industrial Company. Must be good draughtsman with sound knowledge of building construction. Scale drawings, details, surveys. Please reply to Box 1833.

SENIOR ASSISTANT, qualified, with extensive experience of preparing working drawings for work in connection with large housing, cinema, and office schemes. Age 30/35. Salary up to £750. Write Box 1826.

ASSISTANT required in Architect's office of large business concern in City; age 30-35; applicants must be neat draughtsmen, with good knowledge of construction; capable of preparing accurate surveys, also working and detail drawings. Write, stating age and experience, Box 1704.

JUNIOR ASSISTANT interested in modern construction required. Applications by letter only to Edgar Hoening, L.R.I.B.A., M.Inst., R.A., 79/80, Petty France, London, S.W.1. 1820

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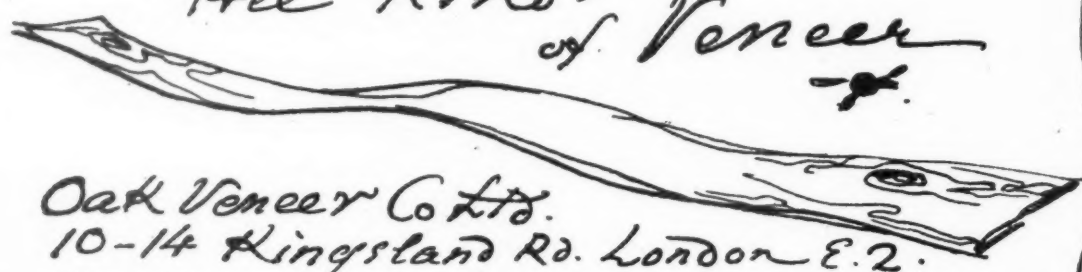
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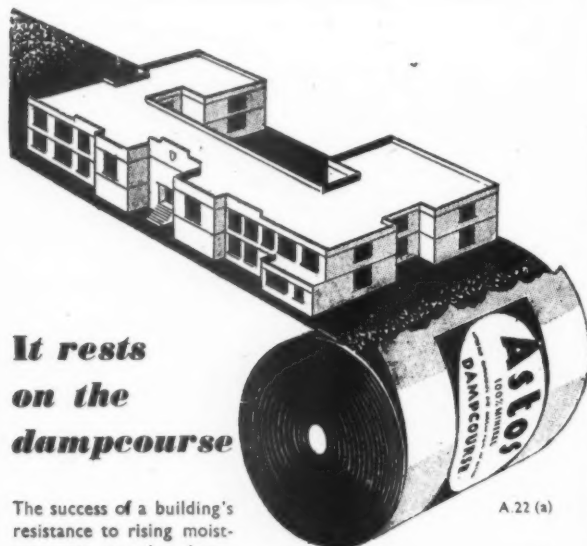
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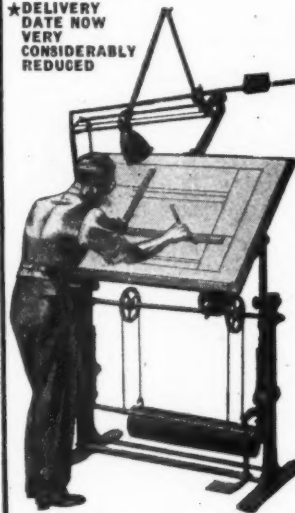
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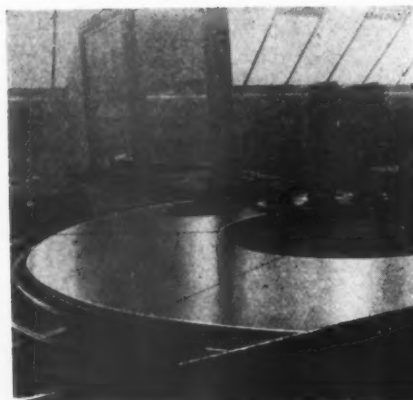


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