

THE ARCHITECTS' JOURNAL



standard contents

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

NEWS and COMMENT

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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 Ie one week, Ig to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

IGE	Institution of Gas Engineers. 17, Grosvenor Crescent, S.W.1.	Sloane 8266
IHVE	Institution of Heating and Ventilating Engineers. 75, Eaton Place, S.W.1.	
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Sloane 3158/1601 Euston 2450
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	Museum 1783
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197/5176
IR	Institute of Refrigeration. Dalmeny House, Monument Street, E.C.3.	Avenue 6851
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128
IWA	Inland Waterways Association. 11, Gower Street, W.C.1.	Museum 9200
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264/4175
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM). Secretary: Gontran Goulden, Building Centre, 9, Conduit Street, W.1.	Mayfair 8641
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Curzon Street House, Curzon Street, W.1.	Mayfair 9400
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service, 8, St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Mayfair 9494
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Whitehall 8411 Reliance 7611
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	
NAMMC	Natural Asphalt Mine-Owners and Manufacturers Council. 94-98, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Abbey 4813
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers. 10, Princes Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041/4054
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 1693
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Langham 4341 Molesey 1380 City 1476
NPL	National Physical Laboratory. Head Office, Teddington.	
NSA	National Sawmilling Association. 14, New Bridge Street, E.C.4.	
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
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
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.	Langham 5721
RICS	Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1.	Whitehall 5322/9242
RFAC	Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.	Whitehall 9335
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Trafalgar 2366
RSJ	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. Grosvenor Gardens House, Grosvenor Gardens, S.W.1.	Victoria 2186
SCR	Society for Cultural Relations with the USSR. 14, Kensington Square, London, W.8.	Western 1571 Abbey 7244
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1.	
SFMA	School Furniture Manufacturers' Association. 30, Cornhill, London, E.C.3.	Mansion House 3921
SIA	Structural Insulation Association. 14, Moorgate, London, E.C.2.	Central 4444
SIA	Society of Industrial Artists. 7, Woburn Square, W.C.1.	Langham 1984
SNHTPC	Scottish National Housing & Town Planning Council. Hon. Sec., Robert Pollock, Town Clerk, Ruthlergen.	
SPABJ	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 4771
TGC	The Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 69, Cannon Street, E.C.4.	City 4444
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 74, Victoria Street, S.W.1.	Victoria 5783
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

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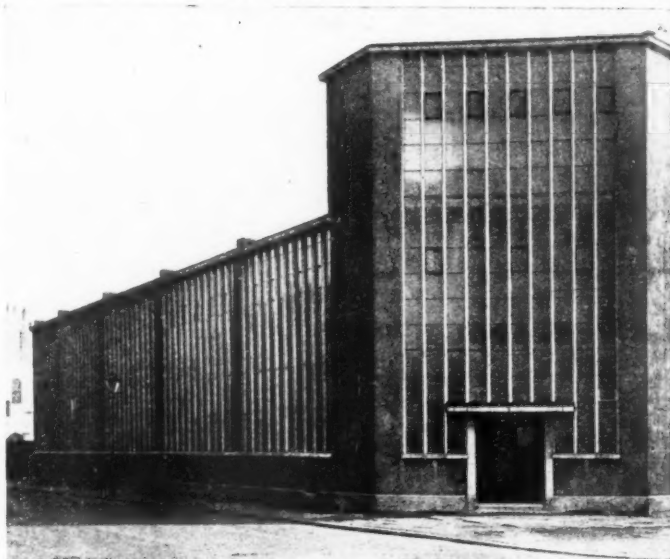
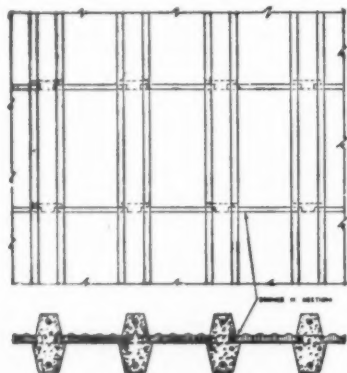
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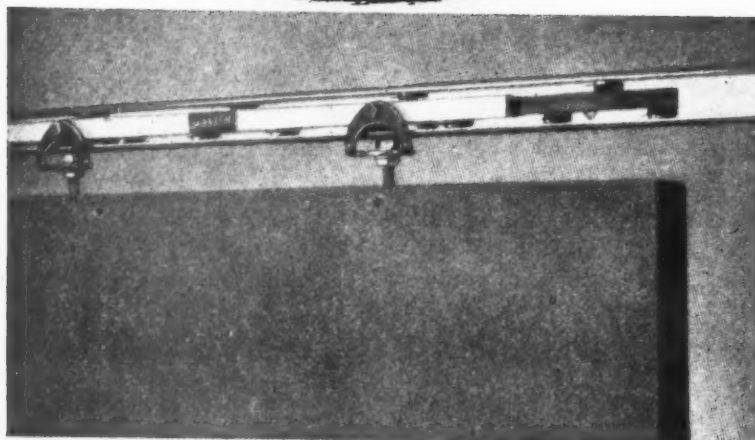
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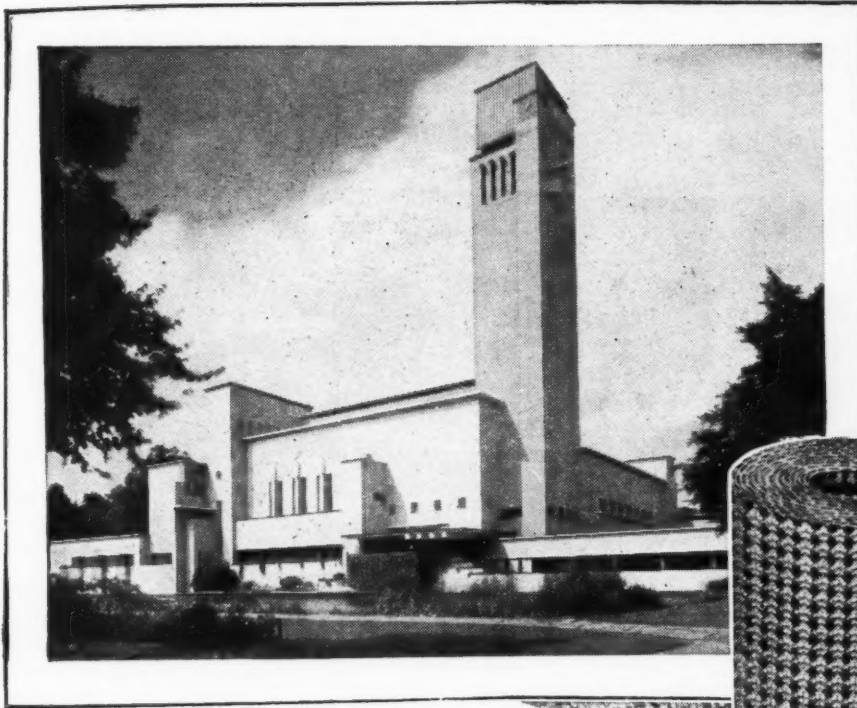
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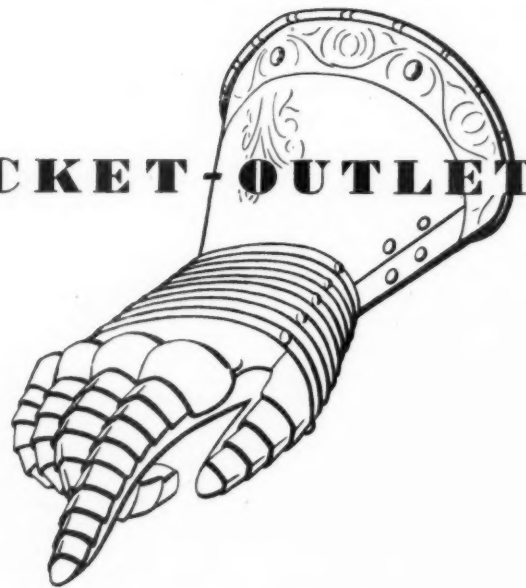
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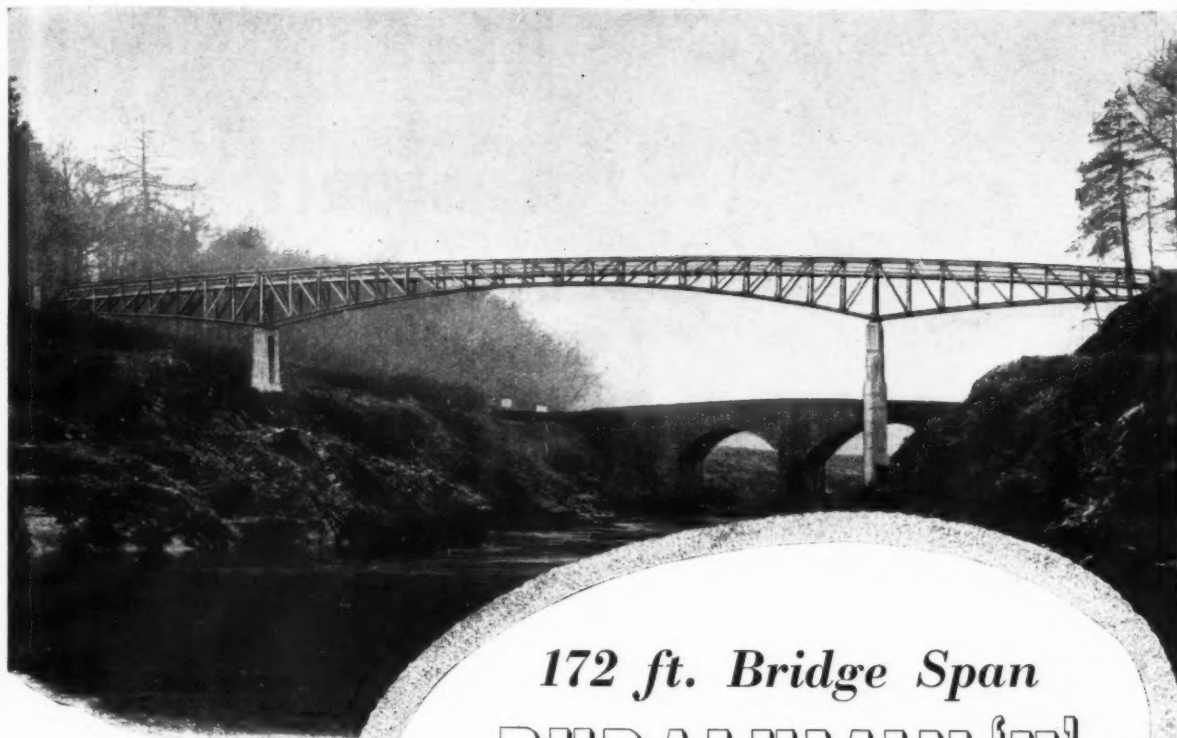


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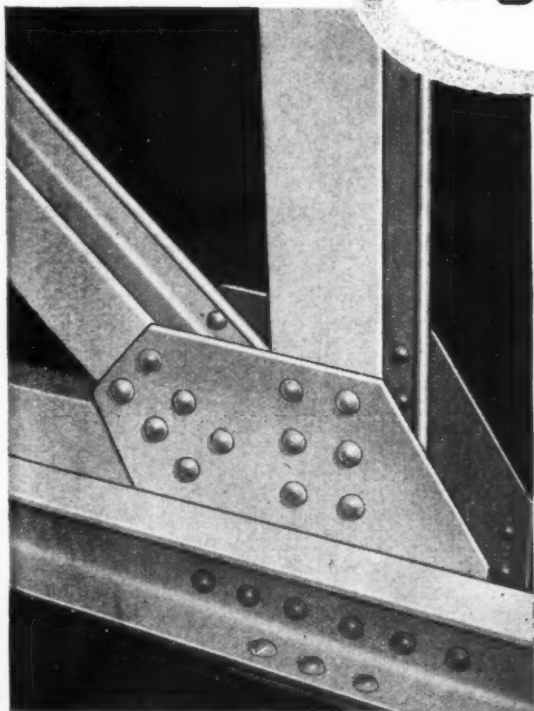
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Constructional details, showing beaded 'I' beams for compression members. All rivets are in 'MG5' alloy, driven cold by ordinary percussive means.

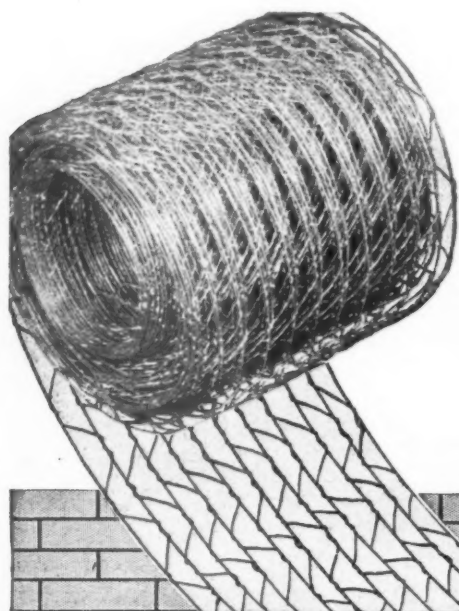
The new Clunie bridge across the river Tummel — built in connection with the giant Tummel-Garry hydro-electric scheme — is entirely of Duralumin 'H'. The centre span measures 172 ft. 6 ins., and the side spans each 69 ft. The lightness of 'Duralumin' — which is as strong as steel, but only one third as heavy — greatly facilitated erection, and its well-known resistance to corrosion will considerably reduce maintenance costs. 'Duralumin' is one of a series of light alloys manufactured and marketed solely by James Booth & Co. Ltd. of Birmingham.

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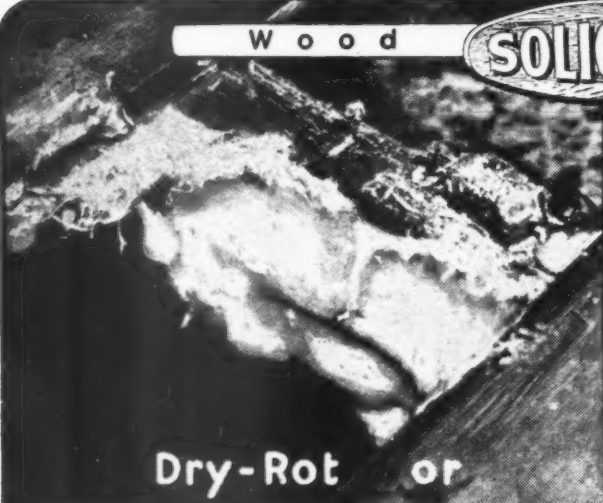
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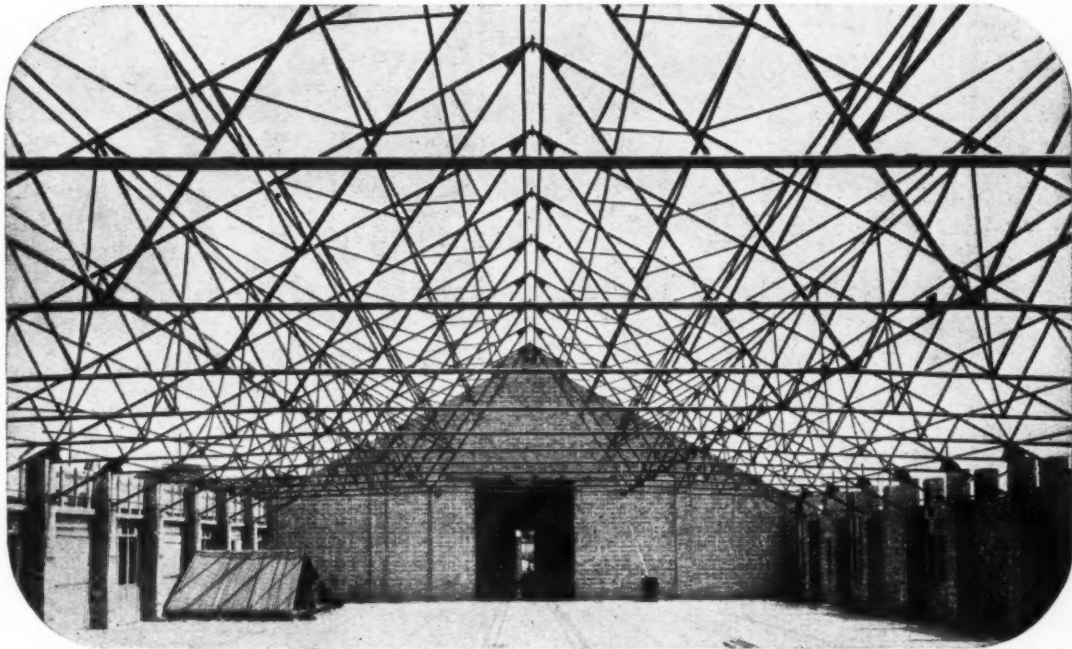
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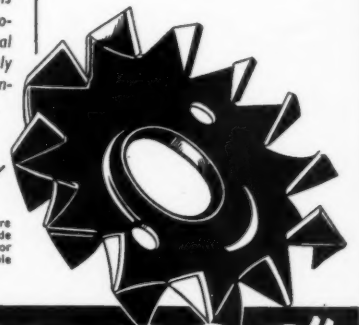
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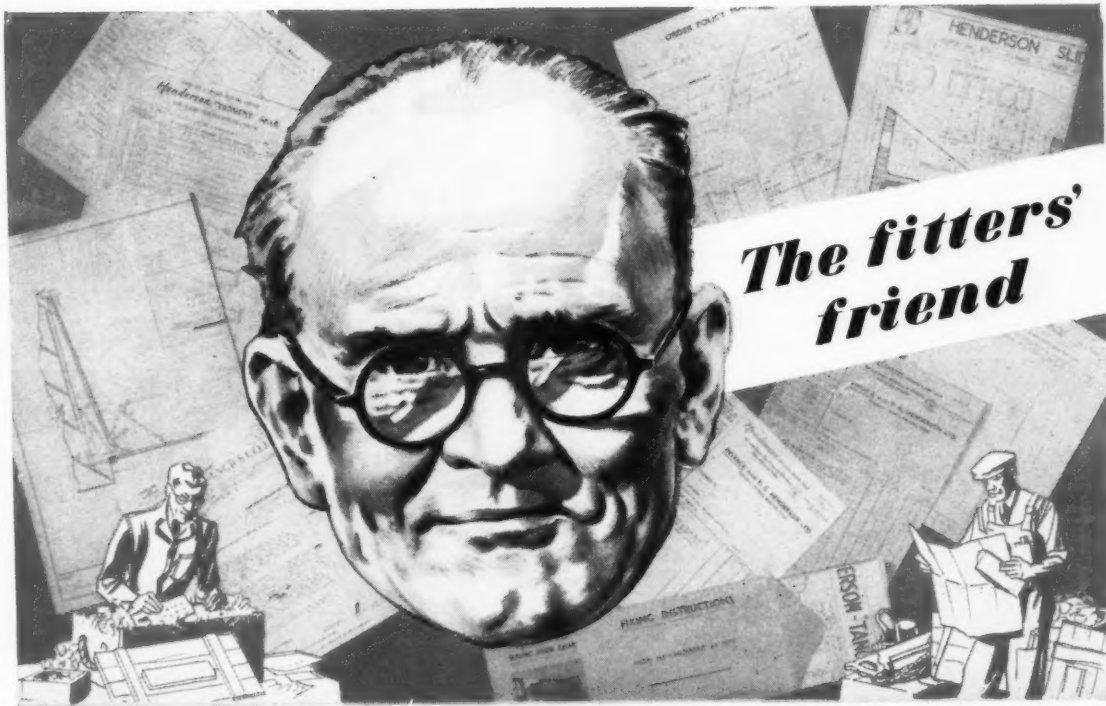
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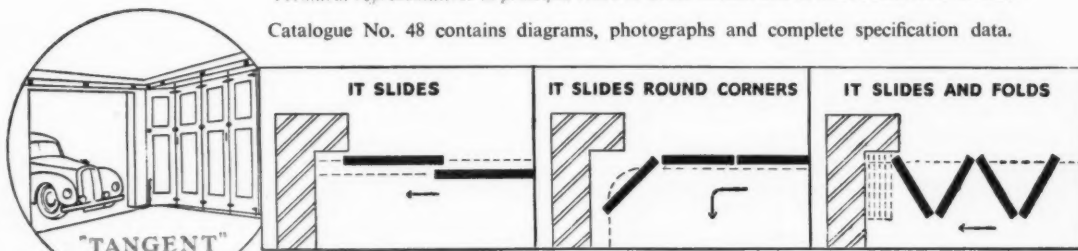
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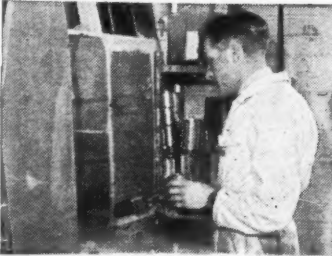
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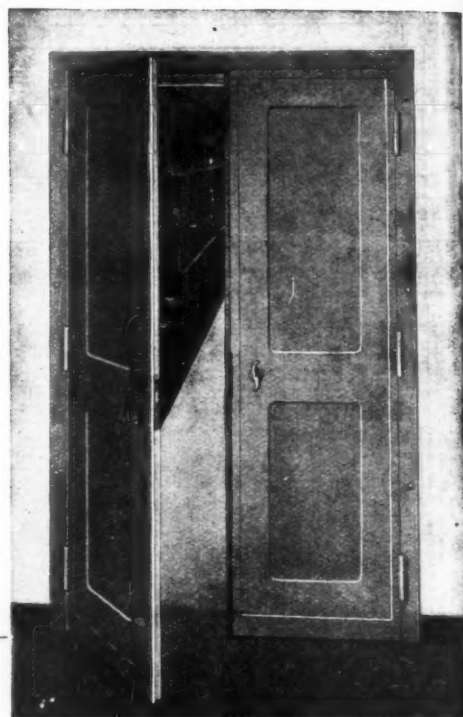
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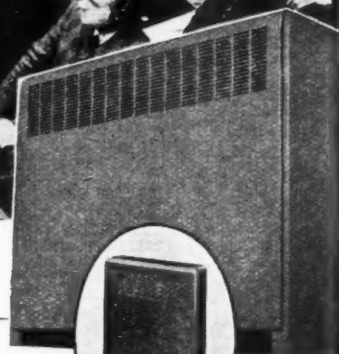
Nuremberg was a first attempt by international effort to assess and punish war guilt. Because it was retrospective, it has been criticised as bad law but only time and history will prove its deterrent effect.

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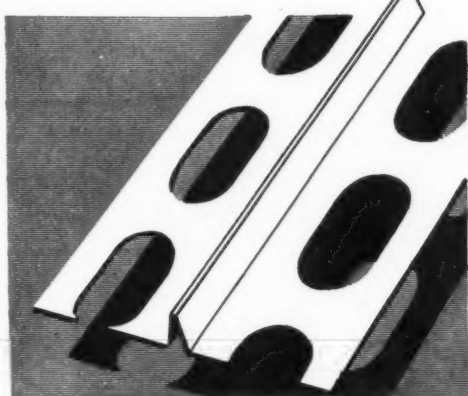
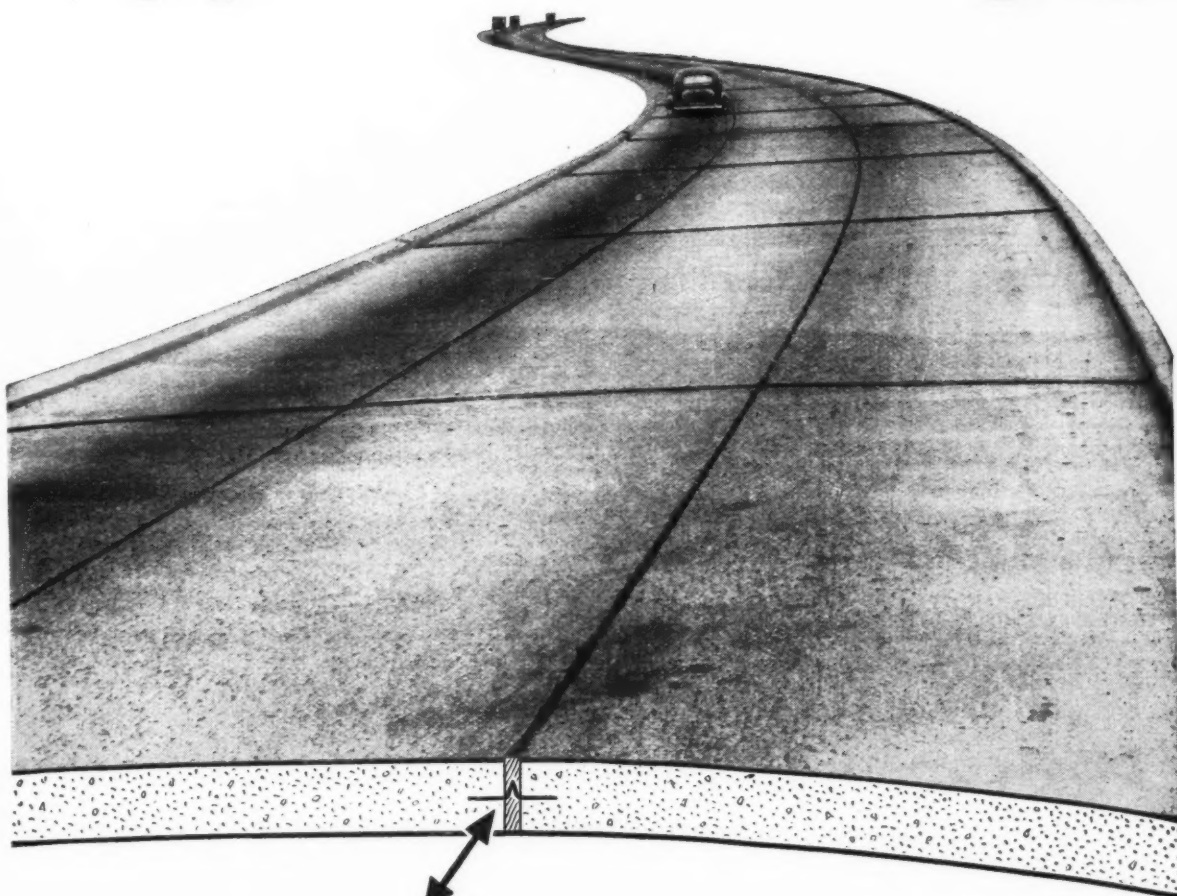
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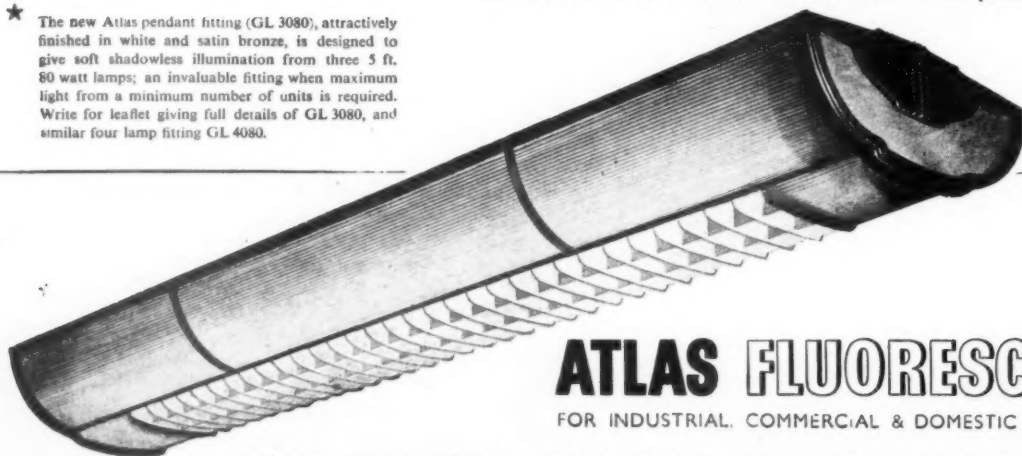


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IN the decorative scheme for the showroom, lighting is of paramount importance. It must conform to the general atmosphere, indeed it must help to create it, and yet it must show the products to be displayed to their greatest advantage.

Atlas fluorescent lighting has been specially designed to meet these exacting requirements, and the wide range of fittings and colours make it possible for the architect or interior decorator to secure the exact effect he has planned.

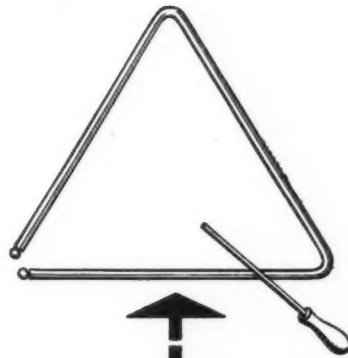
★ The new Atlas pendant fitting (GL 3080), attractively finished in white and satin bronze, is designed to give soft shadowless illumination from three 5 ft. 80 watt lamps; an invaluable fitting when maximum light from a minimum number of units is required. Write for leaflet giving full details of GL 3080, and similar four lamp fitting GL 4080.



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FOR INDUSTRIAL, COMMERCIAL & DOMESTIC LIGHTING

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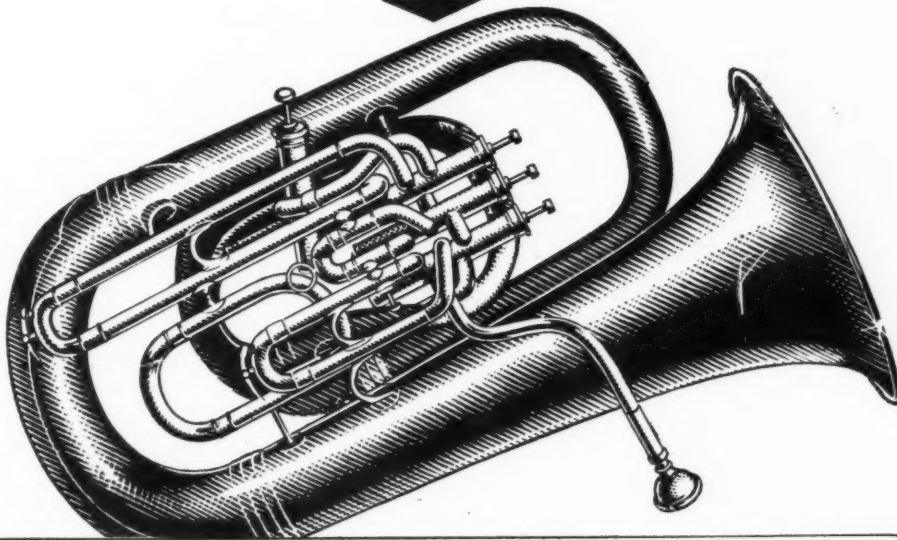


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Application of Dunlopillo to Seating

No. 2 TIP-UP CHAIRS

The modern and revolutionary 'Ambassador' chair made by G. B. Kalee Ltd., and illustrated on this page, is an example of the increasing tendency for manufacturers of tip-up seats to standardise Dunlopillo in the seats, backs and armrests. Since the Shakespeare Memorial Theatre was fitted with Dunlopillo in 1932, there has been adequate experience of this unique upholstery for its comfort and economy to be proved and accepted in the entertainment world. Apart from its many general advantages Dunlopillo is particularly appreciated for its vermin resistance and for the fact that its uniform softness considerably reduces wear on covering materials. Seats in theatres and cinemas upholstered with Dunlopillo will remain comfortable throughout the longest performance. Full information and literature will be supplied on request.



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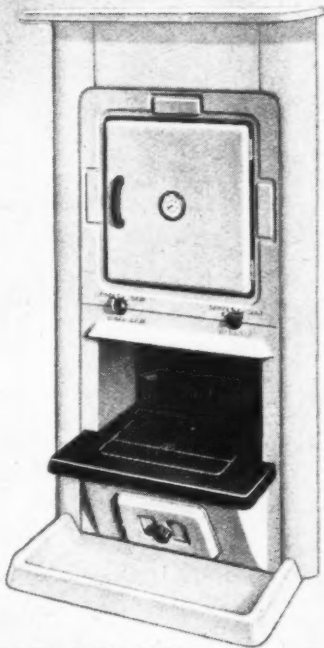
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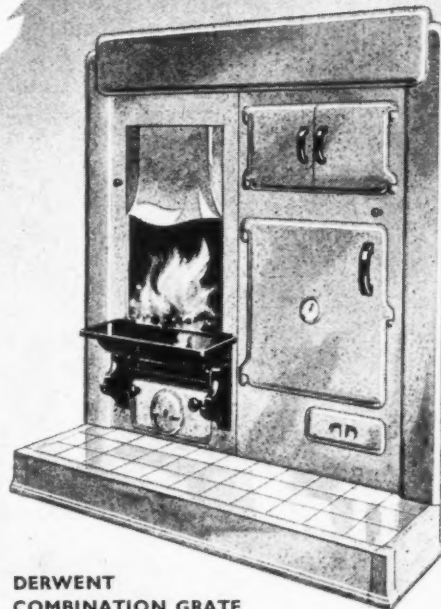
Similar to the "Derwent" but without hot closet. Boiling space for five saucepans. Flue cleaning without removing ovens.

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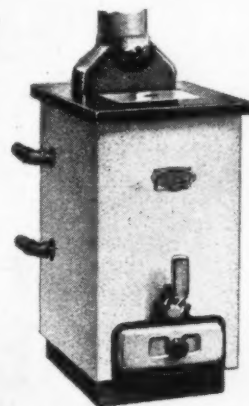
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DERWENT COMBINATION GRATE

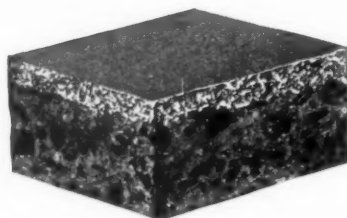
Efficient and economical fire provides heat for a large oven, fast-boiling hotplate with extension hob; hot closet. Ample domestic hot water and controlled room warmth. Overnight burning.



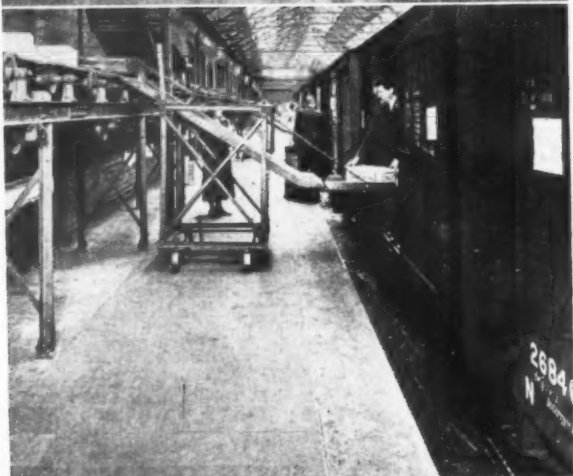
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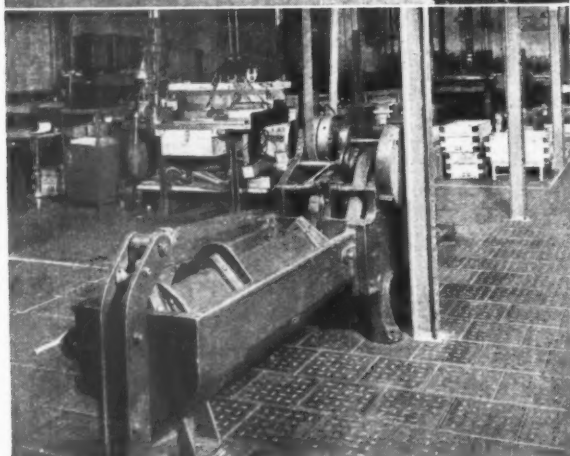
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Section of a Stelcon Steel Clad Flag which shows clearly its great density.



The exceptional qualities of STELCON floors are helping production in a great many factories because they enable important savings to be made in a variety of ways. We hope, therefore, you will bring your flooring problems to us, when our experience will be placed at your disposal.



Underside of Stelcon Anchor Steel Plate showing the 53 Anchors which grip the concrete.

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Sponsored by the Crawley Development Corporation, this stretch of road has been laid down on modern principles of pre-stressed construction and will be carrying heavy traffic serving the factory estate of the Crawley New Town.

Note the diagonally arranged steel ducts which house the high-tensile steel cables spanning the road at an angle of $18\frac{1}{2}^\circ$ at 7' 6" centres. The whole has been laid over SISALKRAFT Reinforced Waterproof Concreting (Subsoil) Paper.

Observe also the SISALKRAFT Prefabricated Concrete Curing Blankets specified and used throughout for the curing and protection of this brief but unique highway.

Photograph by kind permission of Crawley Development Corporation Broadfield, Crawley, Sussex, Contractors: Messrs. Willment Bros. Ltd.

● TECHNICAL INFORMATION
AND SAMPLES ON REQUEST

Such Structures Suggest

Sole Distributors for British Sisalkraft Ltd.

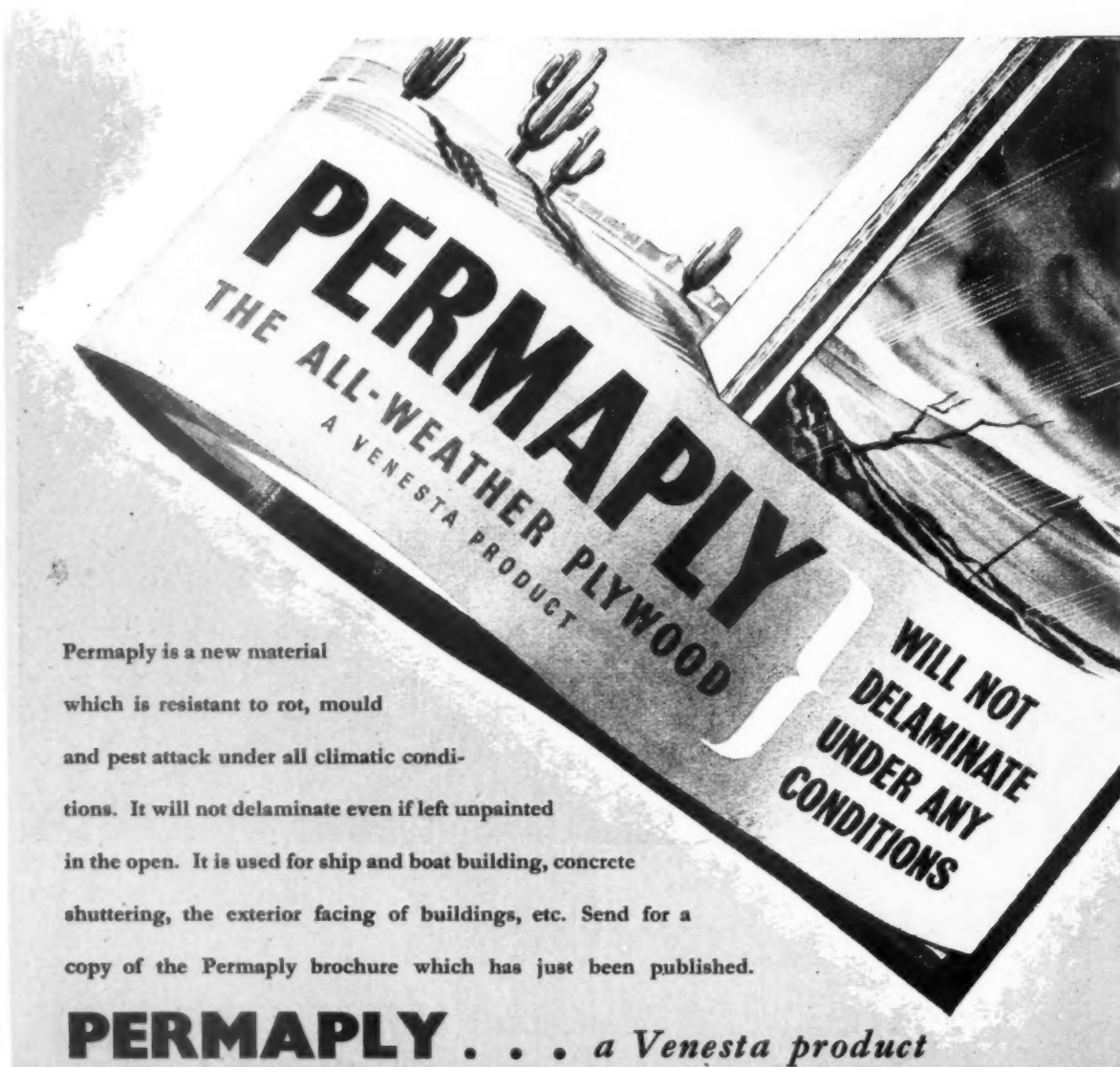
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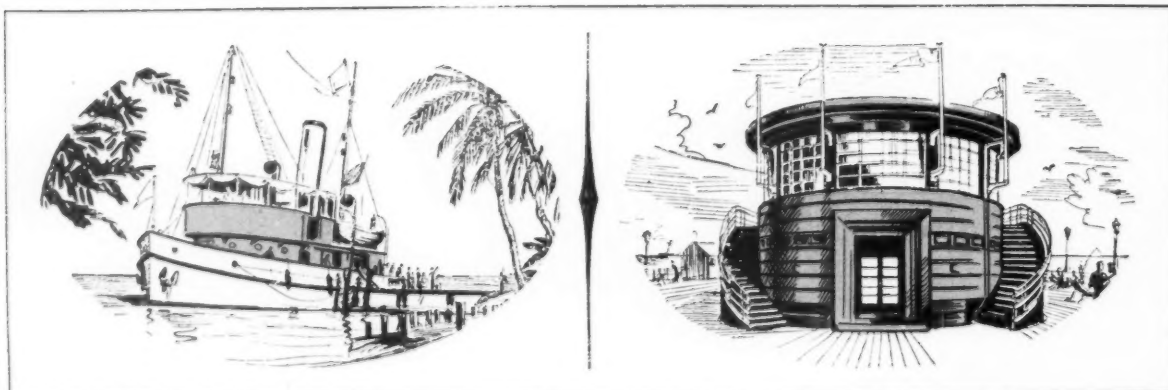
ALDWYCH HOUSE, ALDWYCH, LONDON, W.C.2.

Tel.: Holborn 6949 Grams.: Brickwork, Estrand, London



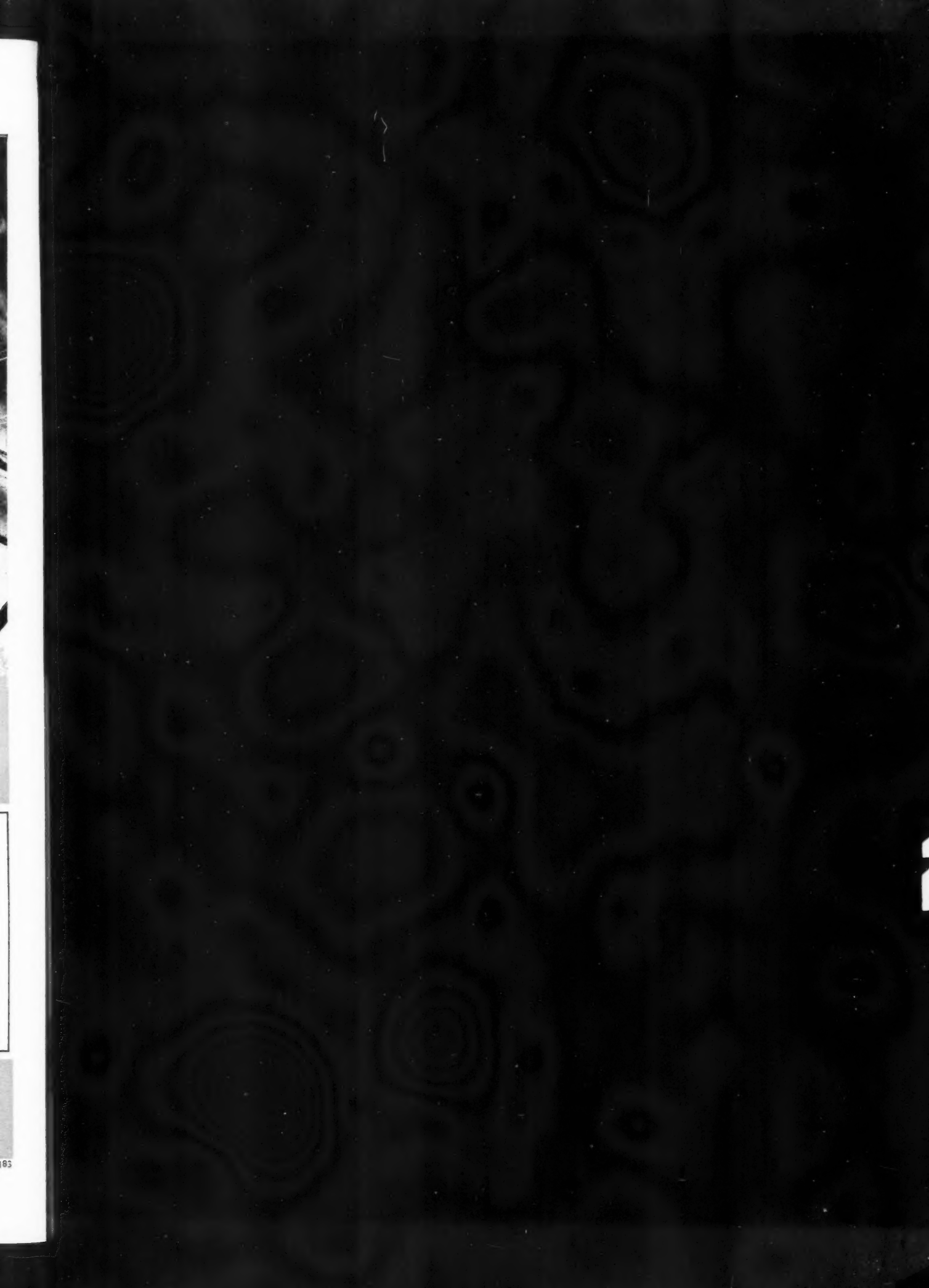
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Loading Bay at the works of MESSRS. LATHAM & CO. Bromborough.

Architect: KENMURE KINNA F.R.I.B.A.

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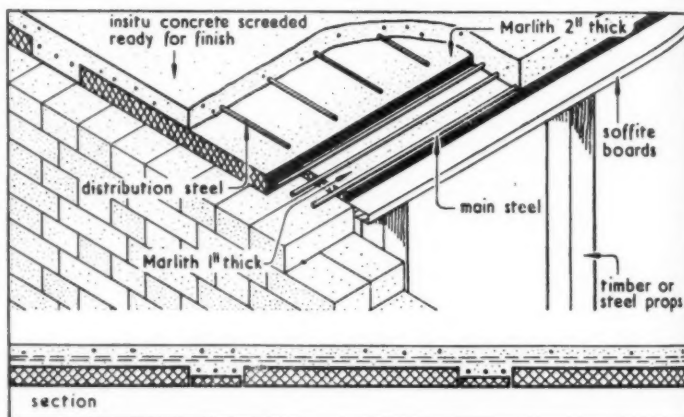
MARLITH

used as permanent shuttering
speeds up construction,
reduces costs, and provides
excellent thermal insulation

THE SHUTTERING for this flat in-situ reinforced concrete roof consisted of 2-inch MARLITH laid in temporary 2" x 2" x 3/16" steel tees supported by tubular steel scaffolding. The concrete was poured and the reinforcement applied in the normal way. When the concrete was set, the temporary steel tees and scaffolding were removed, leaving the underside of the MARLITH ready for plastering.

The drawing on right shows a similar construction in which timber props were used in place of tubular scaffolding, in conjunction with soffit boards and 1" thick MARLITH filling pieces.

The use of MARLITH in this way speeds up construction and reduces costs by eliminating the need for erecting and dismantling steel or timber shuttering and the application of insulation as a separate operation. It reduces the thermal transmittance "U" value of a 4½" flat concrete roof from 0.61 to 0.20, and the increased thermal insulation will maintain the temperature of the interior surface of the roof, thus minimising or preventing the formation of condensation.



MARLITH

Wood Wool Building Slabs

The Marley Tile Company Limited · Sevenoaks · Kent

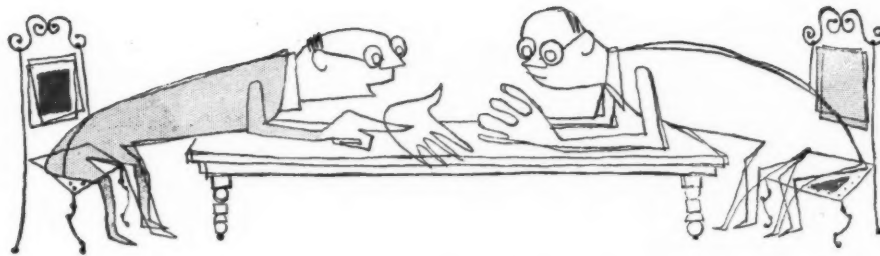
THE PHOTOGRAPHS were taken at Whitby Junior and Infants School, and show : *below*, MARLITH slabs being placed in position in the temporary steel tees ; *above*, concrete being levelled.

ARCHITECTS: John Keppie & Henderson & J. L. Gleave, Chartered Architects, 196 West Regent Street, Glasgow C2

CONTRACTORS: Messrs. Jaram & Son, 20A Gladstone Street, Scarborough.

AUTHORITY: North Riding Education Committee, Northallerton





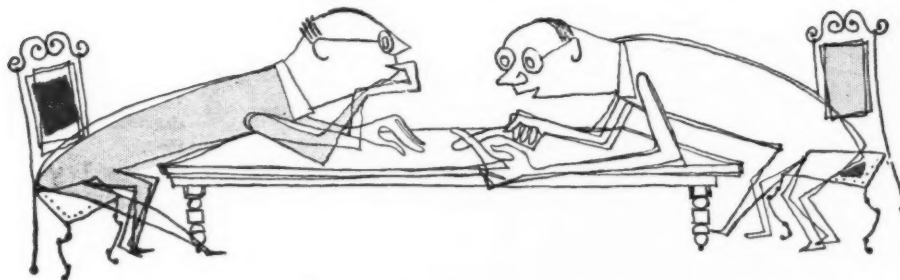
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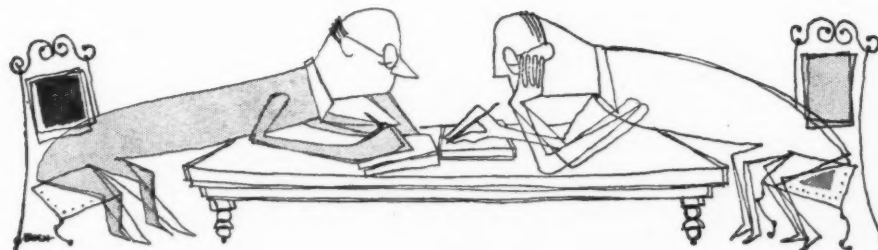
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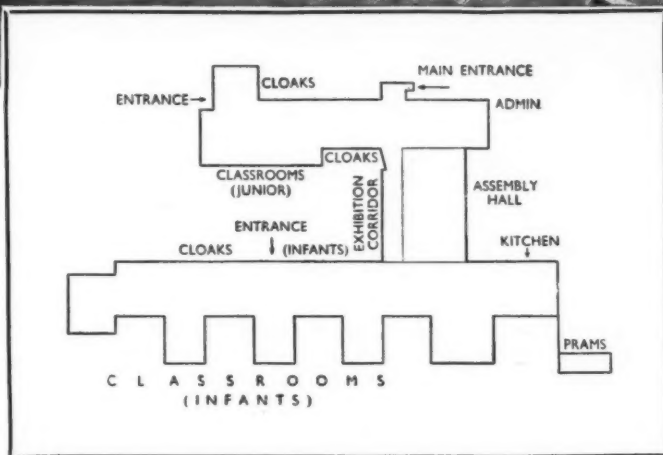
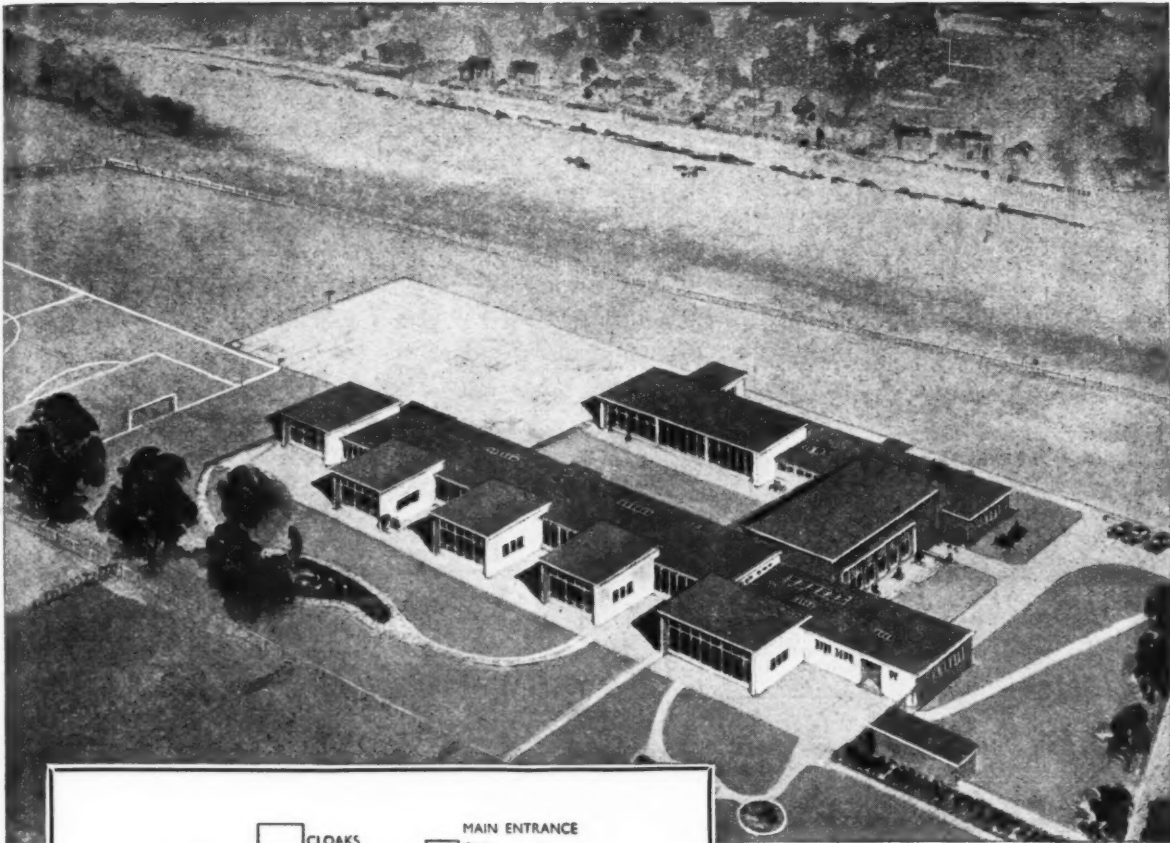
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Illustration shows Pattern No. M.1010. Other Patterns and full particulars in Catalogue AJ 585.

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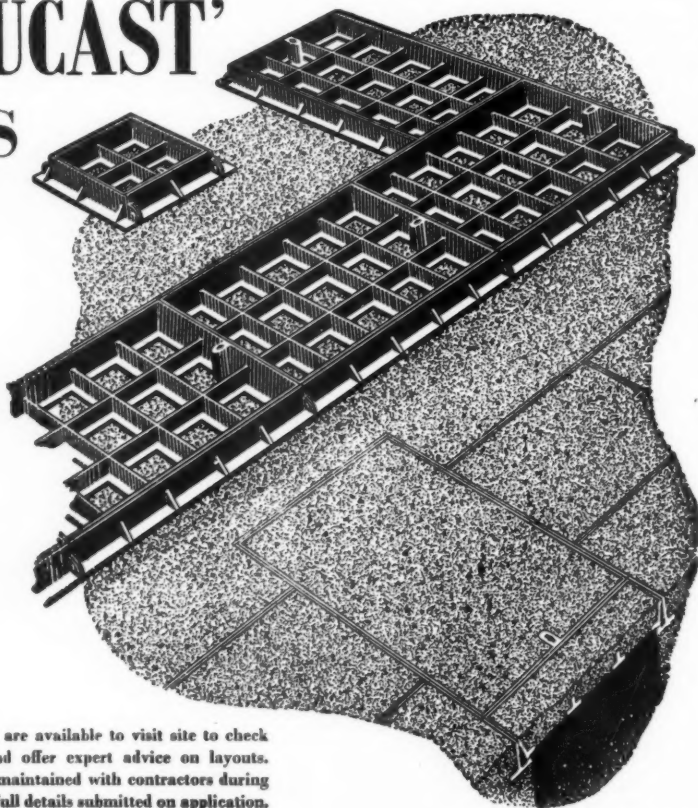
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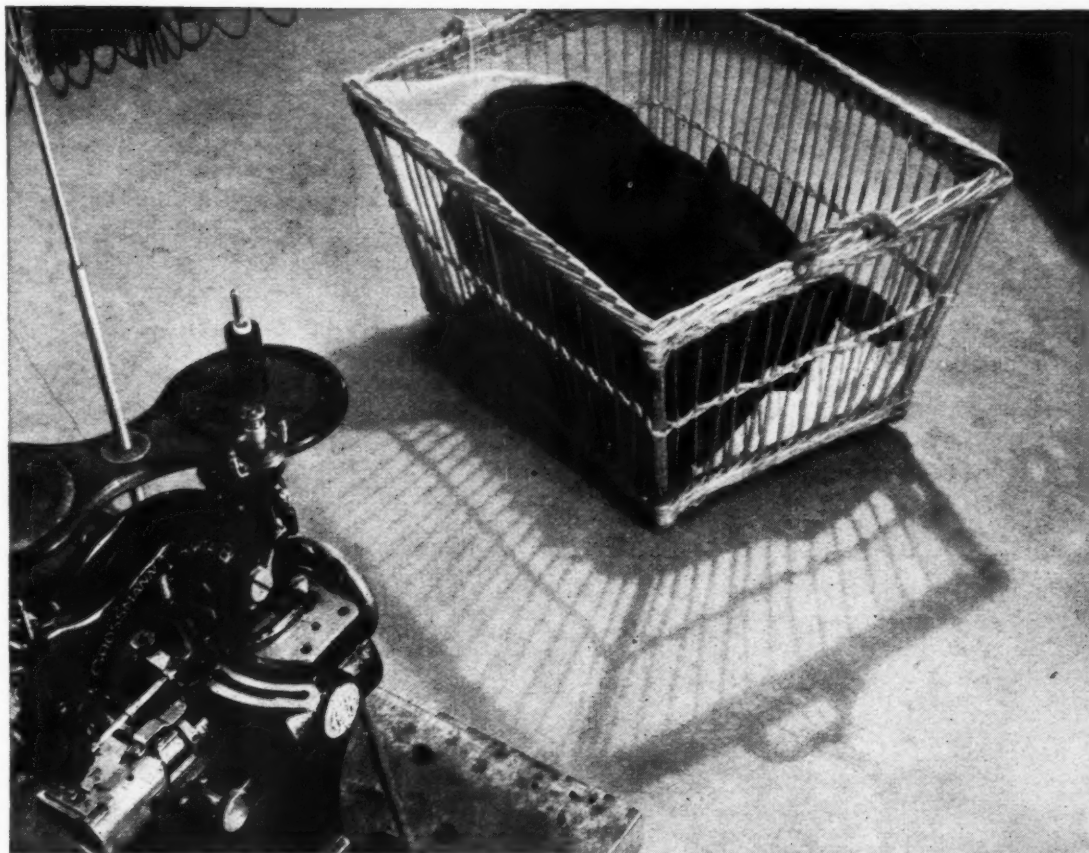
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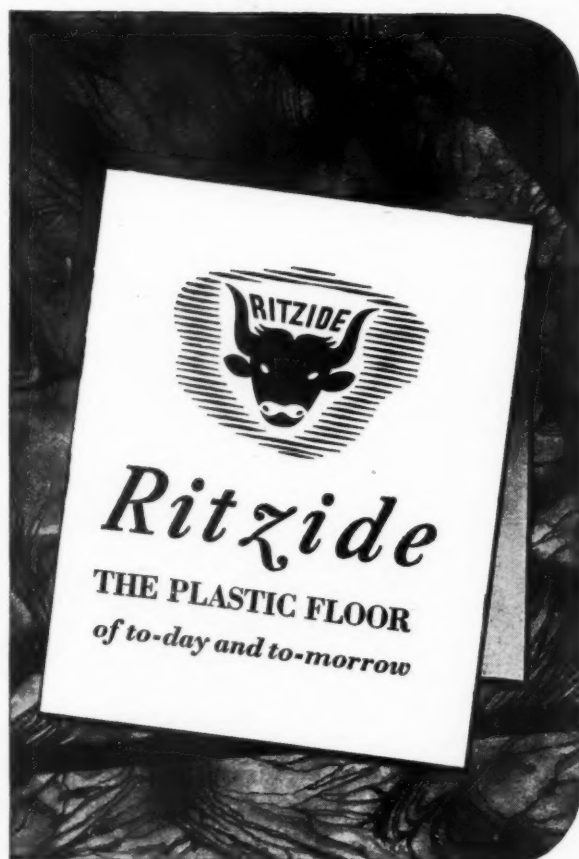
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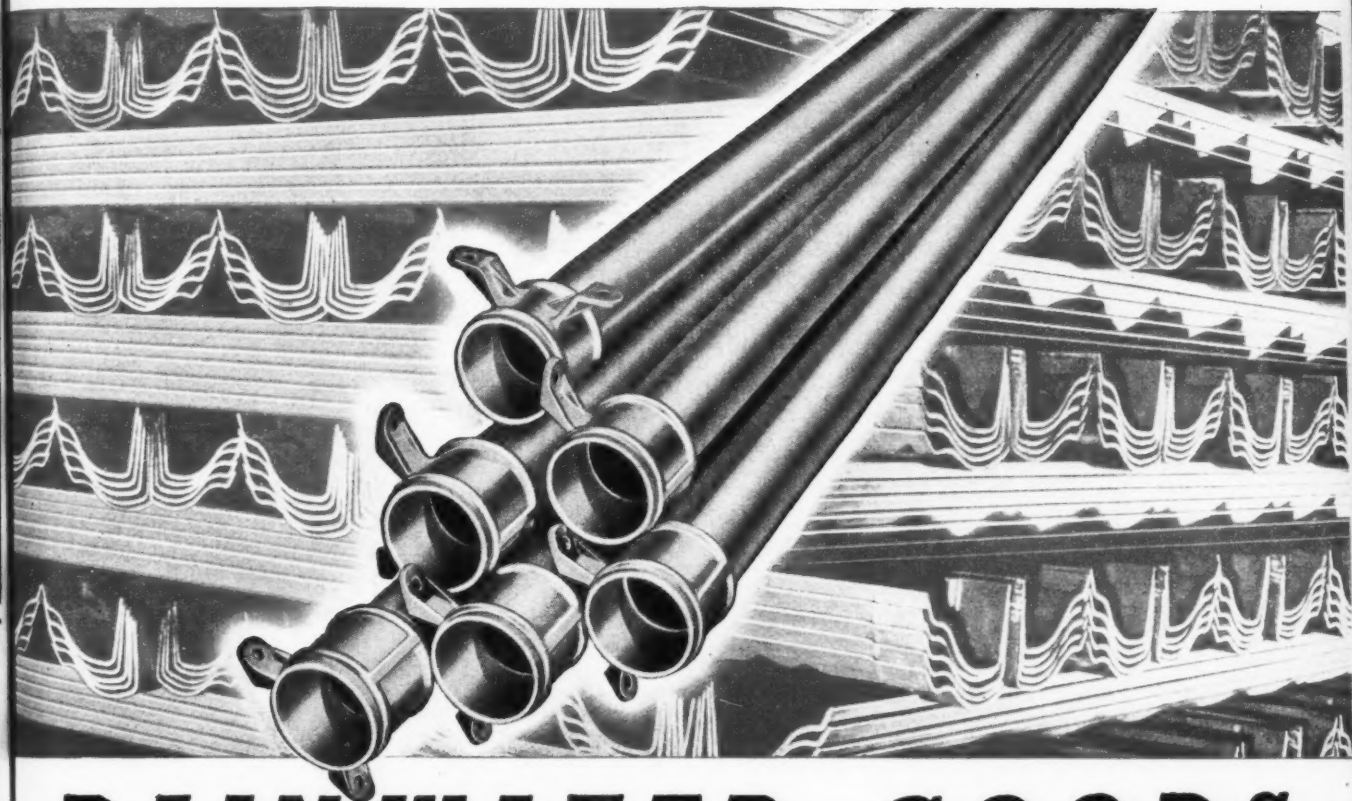
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'Phone: Arbroath 3271.

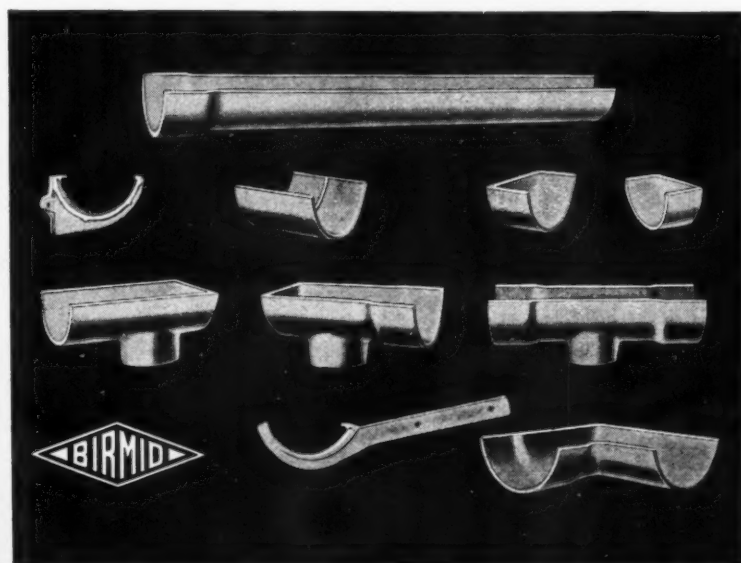
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nor those who are unable to
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Give generously on this date,
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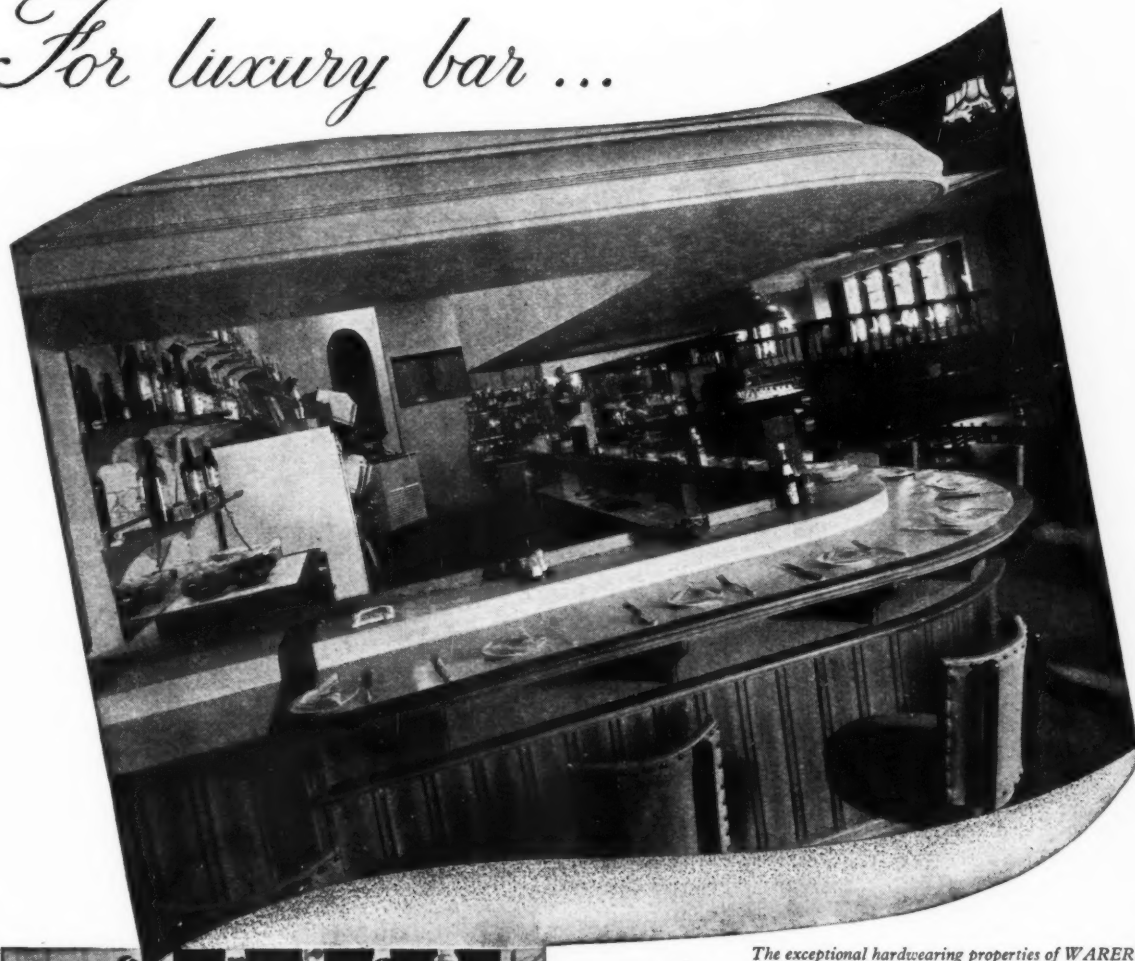


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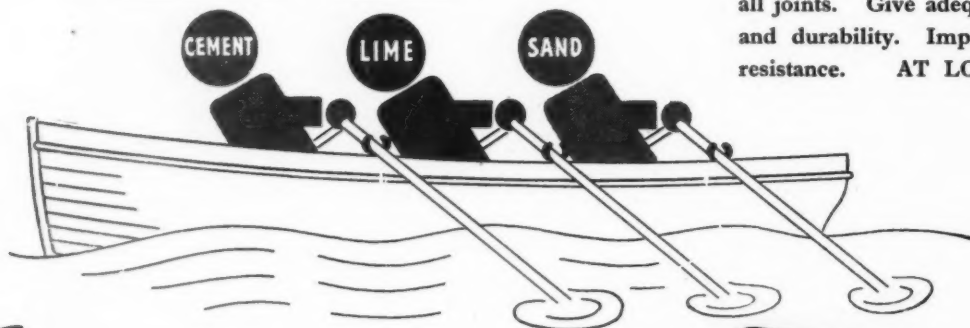
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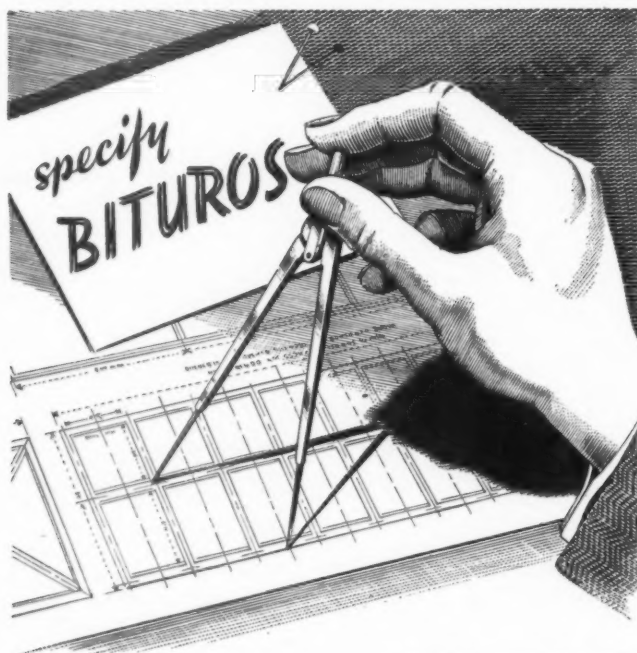
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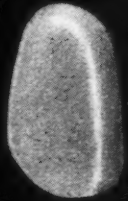
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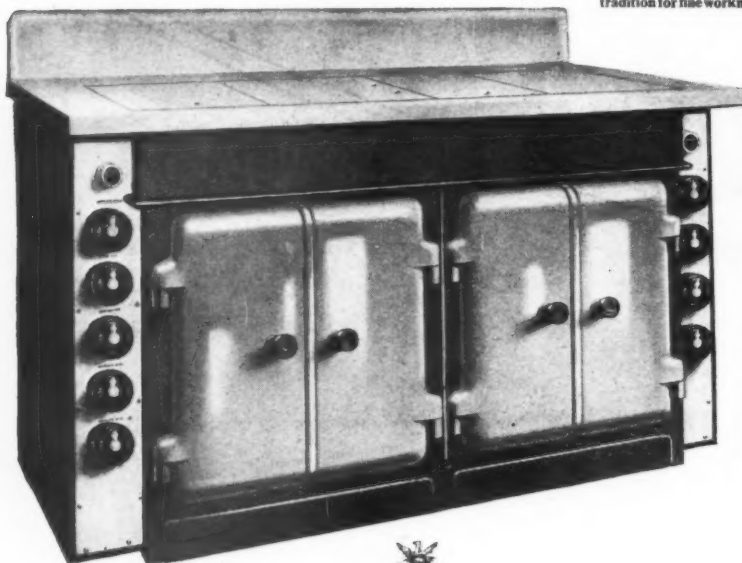
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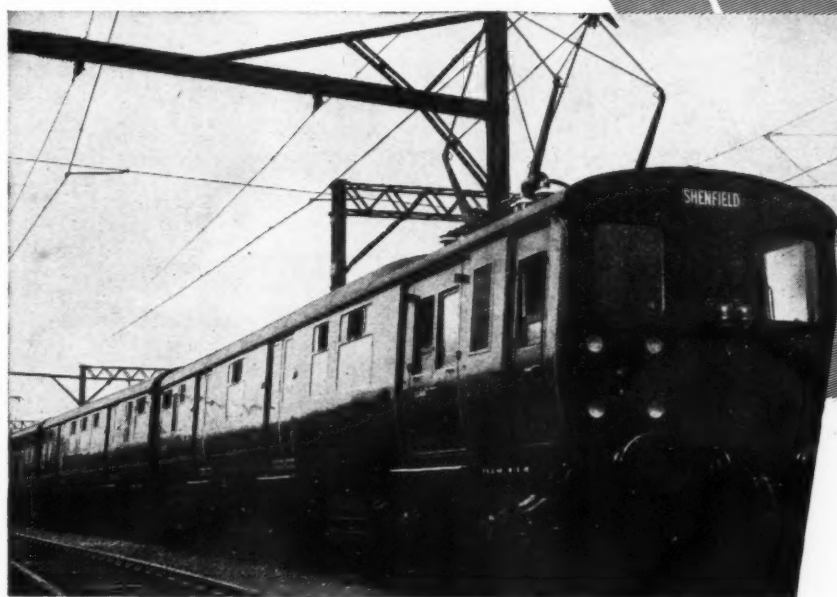
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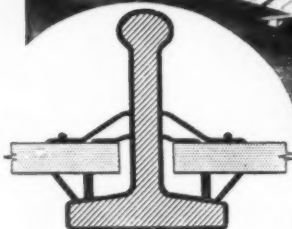
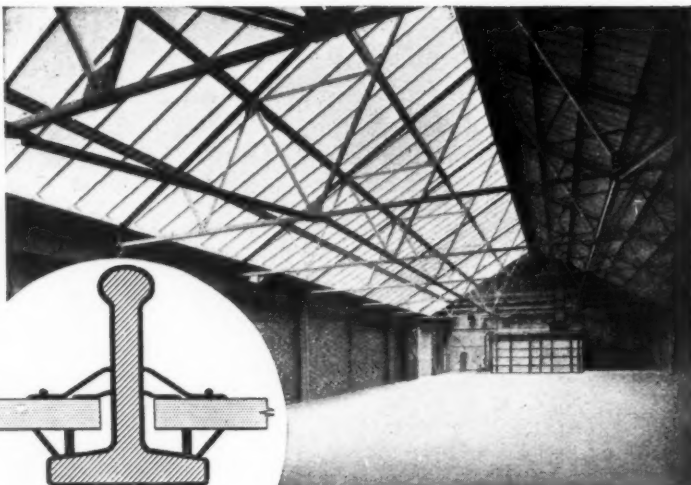
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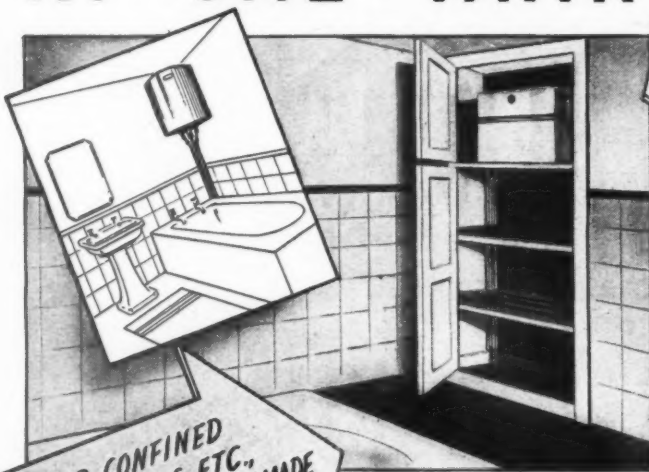
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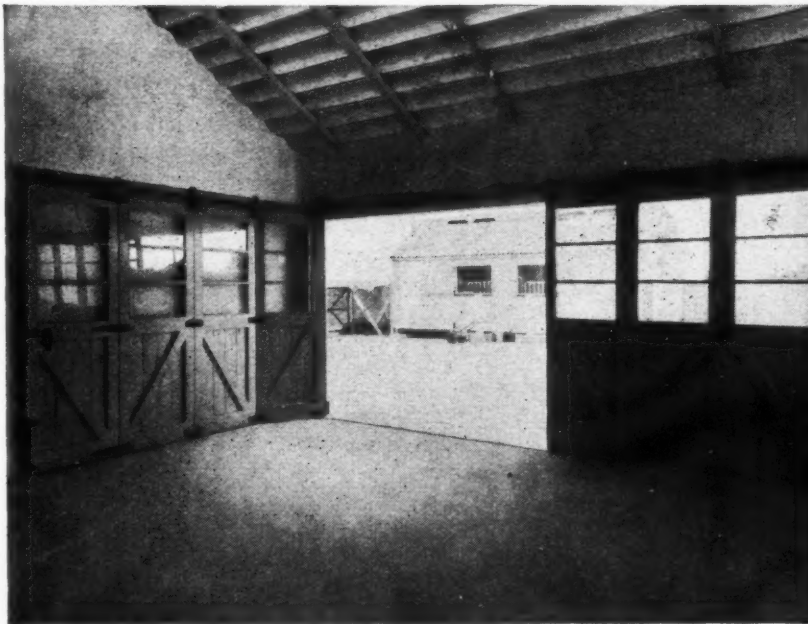
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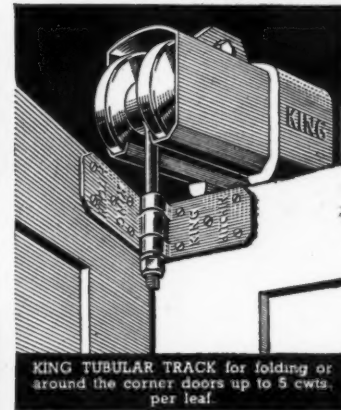
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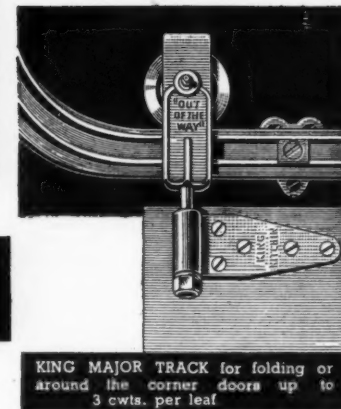
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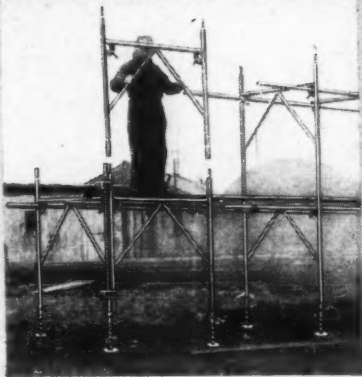
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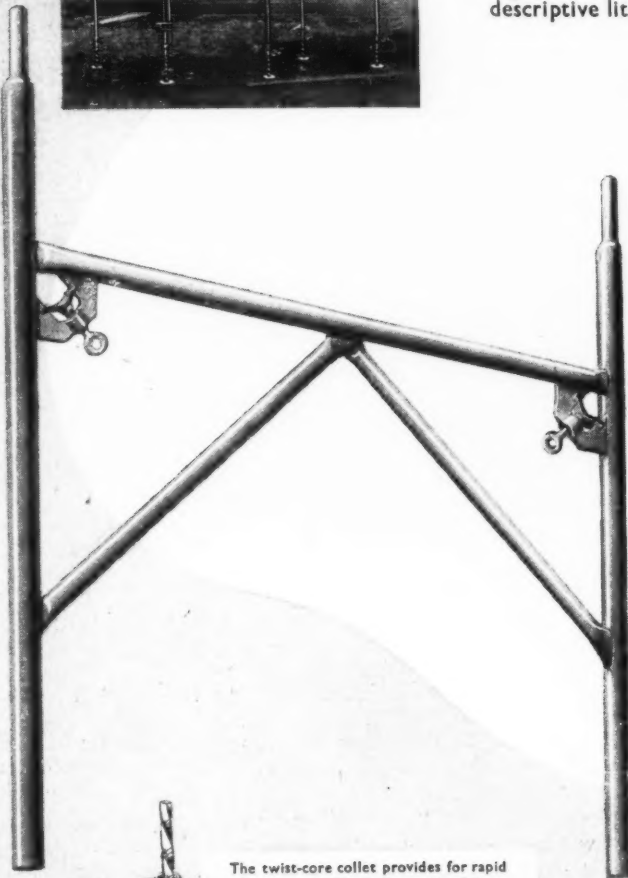
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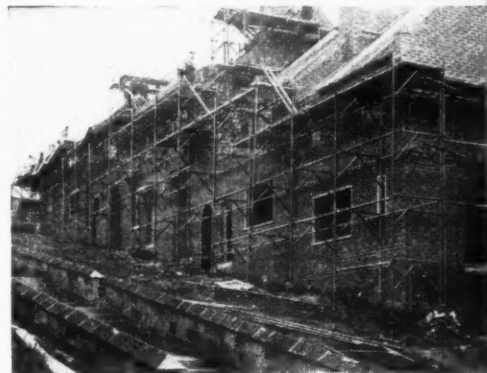
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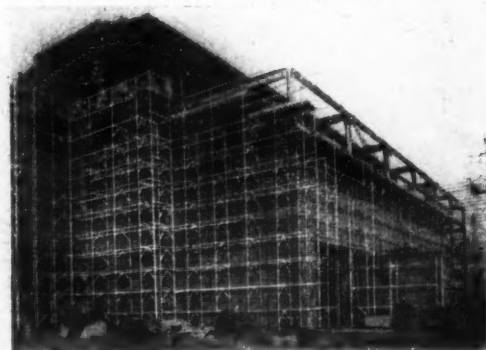
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This photograph of Nechells Power Station reproduced by permission of the British Electricity Authority shows the application of our Unit-Frame System to external and internal large scale constructional operations

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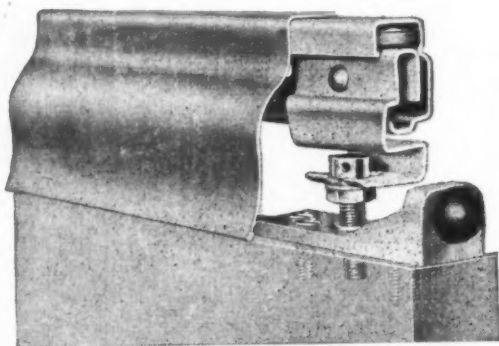
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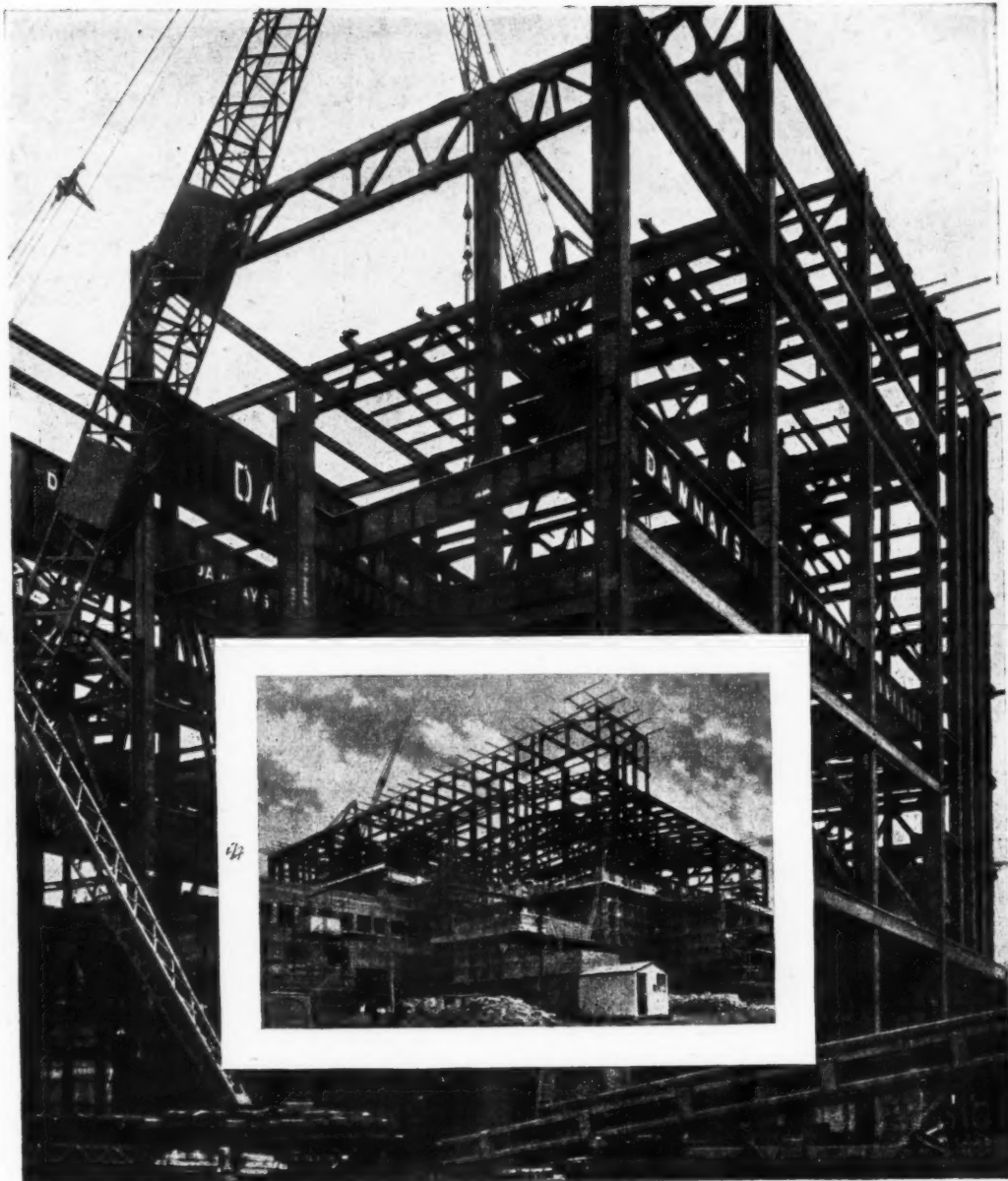
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DESCRIPTION STRAMIT is a building slab of compressed straw covered with a stout paper liner. It is of Swedish origin—manufactured at Stowmarket, Suffolk, under licence—as well as in 12 other countries. Tested by Building Research Station, Garston, approved by Ministry of Health, Ministry of Works, and specified by leading Architects and Councils.

DIMENSIONS 2in. thick, 4ft. width, 8ft., 9ft., and 10ft. lengths. "Cut-to-size" service is available, saving site work and eliminating waste.

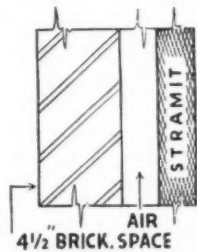
DATA
 Weight: approximately 3·8 lb. per sq. ft.
 Thermal value: 0·60 B.Th.U., per. lin. per sq. ft. per hr. per 1°F. (B.R.S.)
 Stread of Flame: Class 2 when distempered or painted; Class 1 when plastered (B.R.S.)
 Sound absorption: 45-55% Sound Insulation: Approximately 30 dB.

Strength: The slab is about 3 times as strong in width as in length (modulus of rupture 600 lb./sq. in. and 187 lb./sq. in.) For normal partitions framing along the edges (=4 ft. spacing) is enough. In a roof decking, with 40° pitch or less, a centre bearer is required: all edges should also be supported.

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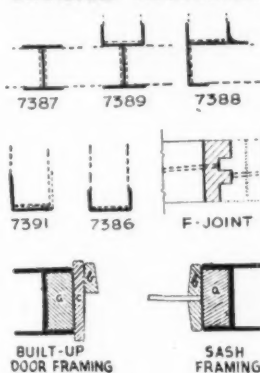
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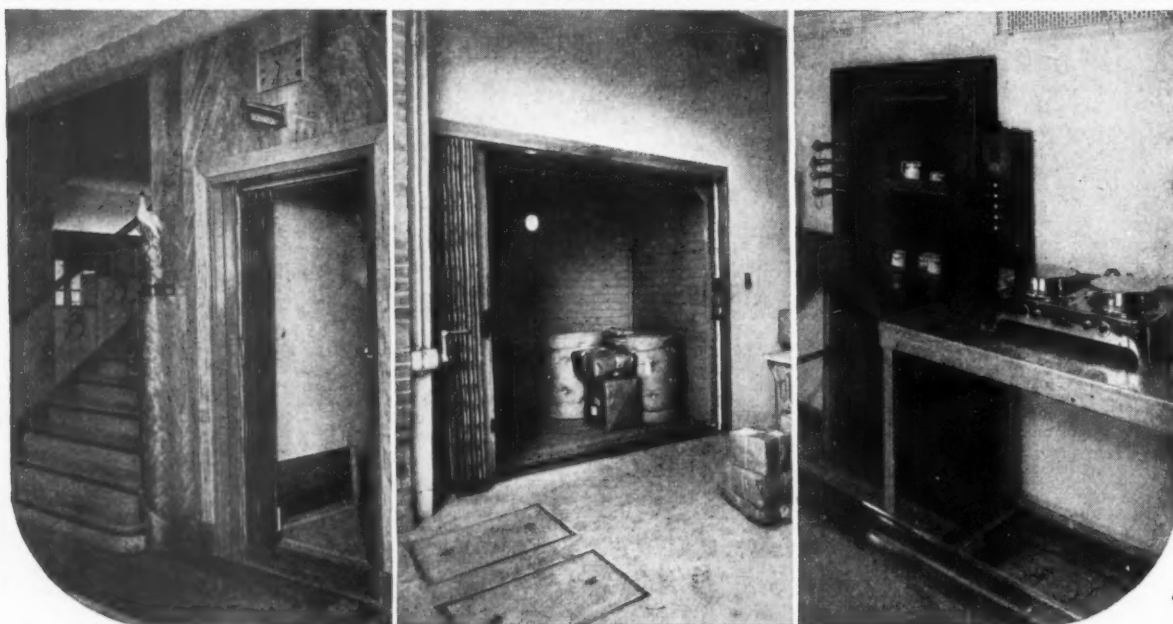
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A view of the Commonwealth Homes for the Aged at
Bricknell Avenue, Kingston-upon-Hull.

(illustrated in this issue)

*Designed by the City Architect's Dept.
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City Architect : Andrew Rankine, O.B.E., A.R.I.B.A.

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THE ARCHITECTS' JOURNAL

No 2906 9 NOVEMBER 1950 VOL 112



BACK TO WORK

Dear me, my enforced holiday is over (don't say that you didn't notice it) and once more I have two and a bit pages in which to spread myself. So, with feet refreshed for putting into it, I'll walk into my first problem. Why on earth do the Coventry Cathedral Reconstruction Committee, the promoters of what appears to be an excellent competition, put the final date for the submission of the names of possible entrants only a few days after the conditions are published? Is there any reason why architects should not enter for a competition at any time up to the final date for questions? Or, indeed, even after that date? I trust the Committee will reconsider their decision immediately. It is not too late.

PLEASE PUT A PENNY

My second problem can also be simply solved. I understand that to keep that potentially invaluable concern going, the newly formed International Council for Building Documentation, a sum of £4,000 a year is required. This cost has to be shared between twenty or thirty countries—about £160 a piece. Is this too much for this country to afford? I should have thought such bodies as the RIBA, the ICE, and the NFBTE would find it worthwhile supporting, even if the MOW cannot spare the cash.

Incidentally, I was sorry to hear that the representative of the technical Press failed to attend the inaugural meeting in Paris. Not an intentional discourtesy, I trust.

FAREWELL MARFELL

ASTRAGAL's best wishes to George Marfell, until lately the RIBA's PRO, who has resigned so as to be able to grow fruit and vegetables in the West Country. In the middle '30's, he joined the RIBA as its exhibition secretary and did a large amount of the donkey work at a time when pretty successful exhibitions were organized on a very stringent financial allocation. After the war he came back from the Army as PRO and has had a finger in most RIBA pies since then. With current architectural troubles I am not sure that I don't envy him: farmers seem to be able to build almost anything they need, and cabbages, unlike clients, have the supreme virtue of dumbness.

WANTED: A LICENSING HANDBOOK

The recently concluded case in which Lord Peel and his architects and contractors were fined for infringing the building licensing regulations, emphasizes once more the need for authoritative guidance on the architect's position and responsibilities. The RIBA could

do nothing more useful than to enquire into the question searchingly, with expert legal aid, and send the results to members in handbook form.

At present it is doubtful whether more than a dozen architects really understand the regulations and their legal position under them. One also doubts whether MOW officials all interpret their instructions in the same way. The system is partly an overall control of capital investment in building works (very broadly interpreted) and partly a rationing system for certain scarce materials. But it is far from easy to tell where one begins and the other ends. For example, I have heard it maintained that gardening works—including paths, re-turfing, dwarf stone walls, etc., do not need a licence; yet in one case at least MOW officials maintained that it certainly did. Again, furnishings do not need a licence; but where do these begin and end? No doubt the thoroughly efficient architect goes through the entire specification and schedules of equipment of furnishings with MOW officials and agrees with them, before work begins, exactly what is on and off licence. I can only say I have not met an architect who has done this comprehensively.

It now appears that it would be wise for architects to adopt this comprehensive checking as one more, regularly performed, duty. In these days licences have often to be applied for before tenders are asked for; tenders (especially for alterations and extensions) can vary fantastically; and the reasons why the final price exceeds the contract sum multiply as regularly as the months roll by. Without the help of an authoritative manual of procedure—prepared by architects for architects—a number of us may therefore be in serious trouble before very long.

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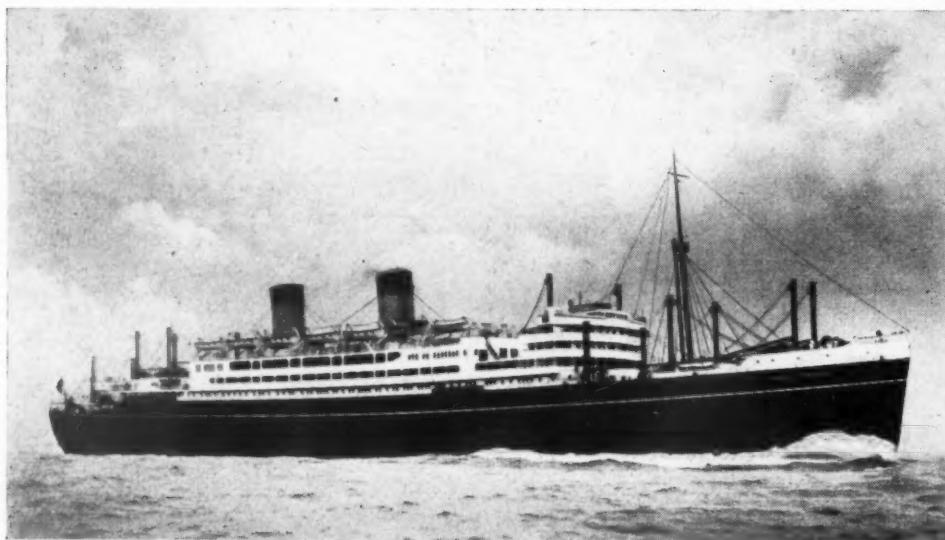
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BATTERSEA GARDENS

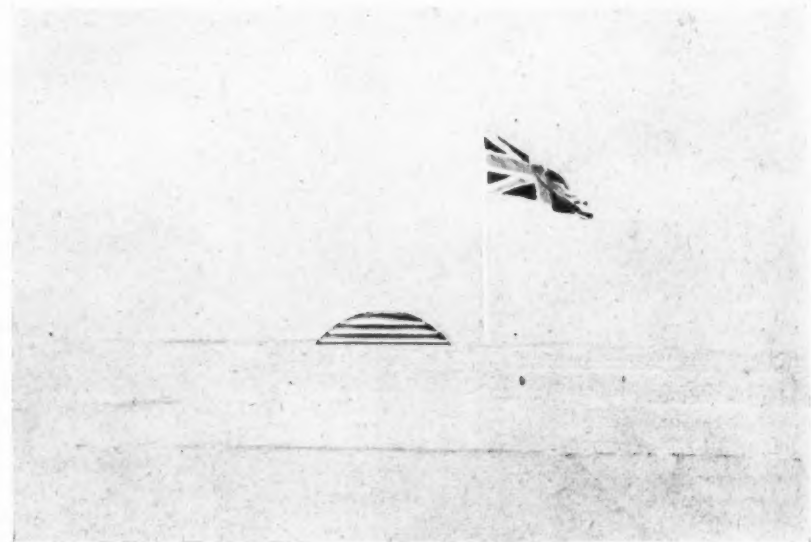
There has been plenty of information released about the designers of the South Bank exhibition but surprisingly little so far about Battersea. I am now able to reveal that the design of the main display area has been put into the hands of John Piper and Osbert Lancaster—a most intelligent choice, because pleasure gardens of all things require a sense of fantasy.

These two artists are designing a scenic background for firework displays and other festivities, in the form of pools, fountains, colonnades and architectural screens. It will be frankly a kind of outdoor theatrical scenery, and all who know John Piper's work in the theatre and his sense of the scenic role of architecture, and Osbert Lancaster's architectural wit and invention, will look forward first to seeing the model that is now being prepared of their designs and eventually to enjoying themselves in the fantastic world they are making out of a corner of Battersea Park.

HOUSING, BY THE HOUSED

Housing, or the lack of it, never fails to make news. Some of the latest babies laid on its unsubstantial doorstep are a bus strike at Oxford, the falling marriage rate (understandable as new marriages have outpaced new houses) a clarion blast from the National Council of Women and a Tory "uproar" at Blackpool for "concrete proposals . . . and a pledge that 300,000 would be a minimum annual figure." However, politicians will be politicians, and 300,000 houses is rapidly becoming a maximum to be achieved, and, after further political thought, only to be achieved after a preliminary period of readjustment to new conditions for the building industry. Nevertheless, we have recently seen a battle royal between lodger Bevan and two-house Churchill; an event which, as the unhoused Alice's of this country realise, will do little but shake the horizontal enrichment of Scott's new Wonderland.

Politics and pledges are one thing but "concrete proposals" are quite another kettle full of fish. I have in front of me the MOH Housing Progress Report for August, 1950. It records total per-



The South Pole? Far from it; the South Bank. This photograph was taken by one of Astragal's spies who happened to be strolling on the roof of the Dome of Discovery when the flag was hoisted to celebrate the completion of work there. The igloo-like feature is a ventilator.

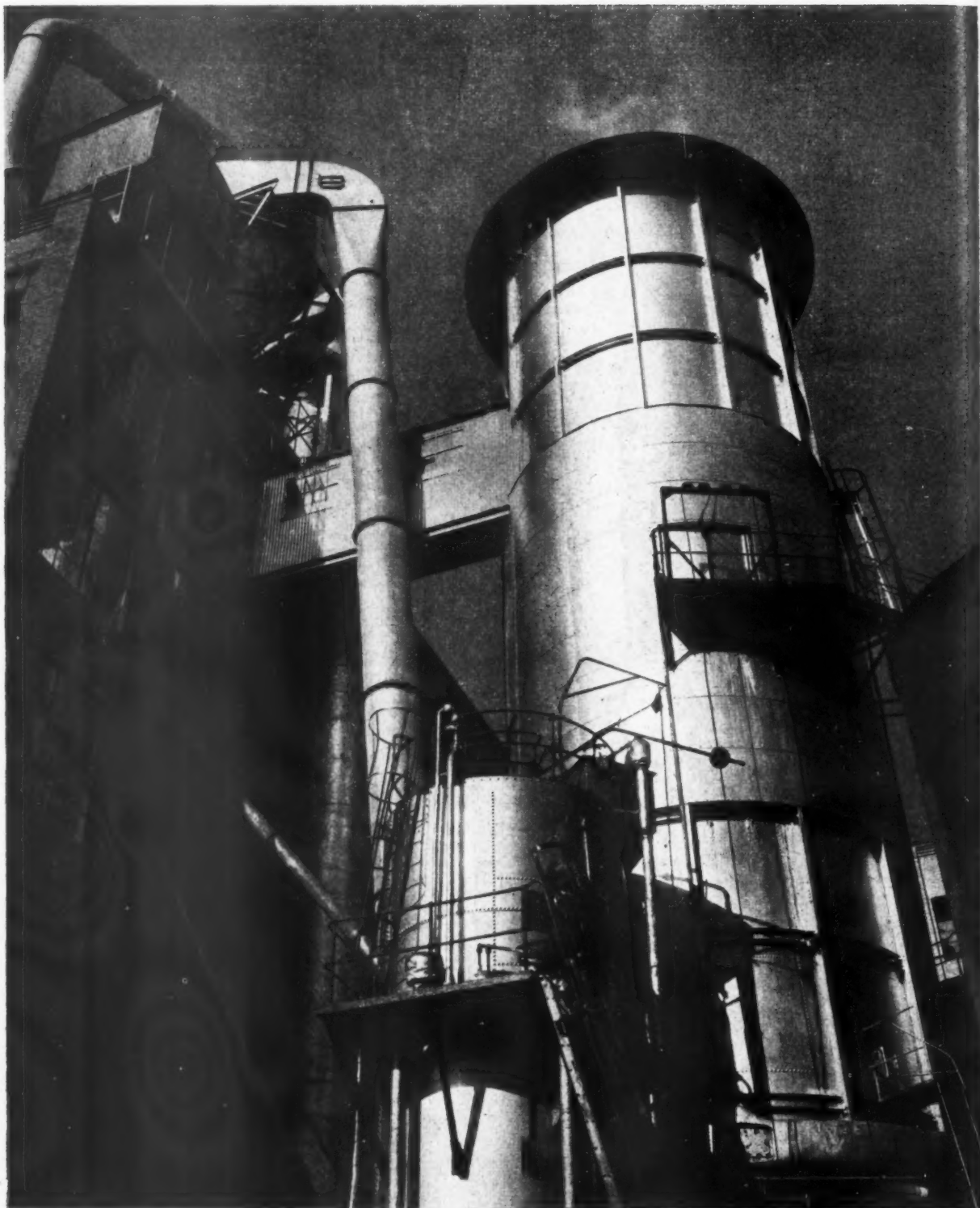
manent houses and flats completed to August 31 as 753,114. Now the first plank of this housing programme was a pledge in 1945 of four million houses in ten years but because of the "concrete proposals" we find ourselves half-

way through the time with well under a quarter of the promised houses built.

I am sure no one is more able than Mr. Bevan himself in accounting for this

Remember in Season
Ye second great treason
Ye "Anti-Traditional Plot"
These foul rogues decided
As once that bold Guy did
To blow up the new house of Scott!
(20th century ballade)





Lost Opportunities

The architect today often becomes more than a little impatient with the photographer's art. He is only too aware of the tricks and techniques which so cunningly transforms the ugly mundane object into a work of art, even if he does not always understand them. The dramatic view, above, however, of an industrial building in Newcastle-upon-Tyne, provides more than just another brilliant exercise of the photographer's box of tricks. Many of the

individual features of the factory plant shown have inherent æsthetic qualities of their own. Unfortunately, however, little care has been taken over the assembling of these features and the result is industrial squalor, formless, and unarticulated. A typical example of the designer's greatest bogey today: the British trait of patching up and making do. The photograph is by Philipson Studios, and comes from the Institution of British Photographers' Exhibition.

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but even so is it not time the RIBA and the architectural profession asked themselves some searching questions? Never before have they been so closely consulted over the nation's housing or given such support and opportunity. Why then are their "concrete proposals" providing so meagre an answer? Is it confused thoughts and cross currents at high level? Are our living standards becoming confused with social standards and is building research blighted by by-laws? Would the Government be justified in turning to other sections of the building industry for a solution? I know of at least one contractor who runs a housing research unit and would no doubt be only too pleased to provide an answer.

KINGSWAY SUBWAY

The enthusiasts who make pilgrimages to European capitals for the sake of riding on the trams have already expressed their horror that London will have none after 1952. ASTRAGAL, having once been nearly torn to small shreds by a tram fan who wanted to bar all buses and private cars, will risk no opinion, but is wondering what is to happen to the Kingsway Subway. (For the information of non-Londoners and those Londoners who don't know the thoroughfare, this winding tram-route offers all the thrills of the Ghost Train at one quarter the price.)

A two-way road route from the Embankment to Bloomsbury would get a lot of through traffic out of bottlenecks like Savoy Hill and the Aldwych crossing, but apparently the tunnel is too narrow and obviously London Transport could not maintain a road just for motorists. There are no definite schemes yet but I imagine that the tunnel will be taken over by the Ministry of Transport.

A motor road would certainly complicate the Southampton Row - Theobalds Road crossing and, for that matter, the Embankment, but have my readers any other ideas? Surely we cannot waste over half a mile of potential traffic artery. After all, it is only a bare 20 years since it was enlarged to take the double-decker trams.

ASTRAGAL

The Editors

BACK TO NORMAL

THIS week the JOURNAL returns to something like its normal size, following the settlement—it is to be hoped on a permanent basis—of the dispute in the printing trade which has held up publication of this and many other periodicals for some weeks past. The Editors regret the inconvenience caused to readers by the irregular appearance and reduced size of the JOURNAL while the dispute was on. From next week the JOURNAL will be enlarged not only to the size it was before the stoppage, but to the size to which it had just grown when labour troubles necessitated a small reduction in size in the spring.

The principal feature that then had to be dropped was the Information Sheets. Regular publication of these will be resumed in the near future. In addition to Information Sheets, a new series of perforated sheets will also be introduced in the shape of working details. An analysis of the returns of the JOURNAL's recent questionnaire to subscribers titled "Design Your Own Journal" (which will shortly be reported on in full) has revealed that working details head the list of new features demanded by our readers. These working details were a popular feature of the pre-war JOURNAL and will provide architects with specially prepared drawings, together with a photograph and full technical information, about details of particular interest from contemporary buildings.

STYLE: COVENTRY AND WESTMINSTER

The Gothic Revival has been in the news both on account of the opening of the new House of Commons and the Coventry Cathedral competition—somewhat unnecessarily it appears in the case of the latter. A great fuss was made in the Press at the prospect of Gothic being insisted upon for Coventry (this was the recommendation, it will be remembered, made by the Harlech Commission when it reported in favour of an open competition in 1947), but now that the conditions have been published it transpires that the promoters have had the sense to leave the question of style open. They give the information that red sandstone is available, presumably as a hint that this material will be considered appropriate, but otherwise no conditions are laid down as to style or material. Architects can therefore go ahead without inhibitions, and we shall know next July what chance there seems to be of the new Coventry cathedral being the first great cathedral of the modern age rather than the last of the age of revivals.

In the case of the House of Commons Gothic *was* insisted upon by the Select Committee that appointed Sir Giles Scott and gave him his instructions. The issue, however, is less clear-cut than in the case of Coventry. The JOURNAL believes that architecture should reflect the spirit of the age that

builds it, but can the House of Commons be regarded as a piece of architecture in the normal sense? It can be regarded alternatively as a kind of stage setting, designed for the performance of a fixed ritual in the shape of the traditional procedure of debate, and not therefore susceptible to the fresh thought and planning on which modern architectural conceptions are based. This was the line taken by *The Architectural Review*, which said that if the new House of Commons had to be regarded as an artistic failure it could also be regarded as a fascinating monstrosity which had a *raison d'être*. There, without doubt, lies the best argument in favour of some kind of traditional decor, a far stronger argument than the mixture of caution and conservative sentiment that seems to have moved the Select Committee to its decision. There will, nevertheless, be much difference of opinion as to whether the decision was right. But the decision was taken, and Sir Giles Scott's efforts must be judged on what he was asked to do, not on what one would have liked to see another architect try to do.

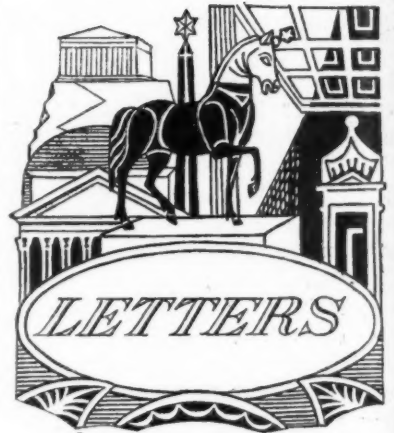
Even those who cannot bring themselves to admire the finished result will admit that the new House of Commons is a work of national importance, and as such it will be fully illustrated in the next issue of the JOURNAL. Posterity may not admire it either, but will very likely value it as a perfect example of the mixture of mechanical ingenuity and vagueness of purpose, of sentimental attachment to the past and uncertainty at the same time as to how the traditions of the past can best be carried on, which is so characteristic of this generation.

INCENTIVE SCHEMES: 2

The recent report of the Ministry of Works deals with these schemes only in connection with the direct labour forces of local authorities. But the report has a bearing on the problems of the industry itself. There can be no doubt that the schemes have stimulated some of the extra keenness in their jobs which British workers badly need to acquire in many instances. As a peg on which "joint consultation" can be hung these schemes have been proved to show merit. The more they are backed the wider the recognition of the causal link between high output and high real wages.

Thus, though not bringing high hopes of an early solution to the costs problem, these schemes may well be supported for their indirect consequences. They certainly produce high wages—high for this country; and they provide a spur to the exploitation of all the initiative that both managers and workers can muster between them.

THE RECENT PRINTING DISPUTE HAS PREVENTED THE PUBLICATION OF THREE ISSUES OF THE JOURNAL. ALL SUBSCRIPTIONS WILL THEREFORE BE EXTENDED FOR AN ADDITIONAL THREE ISSUES.



(H. T. Rushton, F.R.I.B.A.

Eric Lyons, F.R.I.B.A.

Geoffrey H. Simpson

Control of Design

SIR,—In January, 1947, concerning his design for Coventry Cathedral, abandoned on the advice of the Royal Fine Arts Commission, Sir Giles Scott said:—

"These differences of opinion and the formation of numerous societies, committees and commissions, etc., to give them expression, are characteristic of our time; they harass the unfortunate artist and hamper the production of good work."

"There must be a considerable difference of opinion about design, in view of the conflicting ideas that exist between the modernist and the traditional school of thought, and it is unlikely that a modernist or transitional design will ever meet with the approval of all parties."

In your leading article in your issue dated October 5, 1950, you said:—

"The only way to obtain good architecture is by employing the best architects," and that "once the architect has been appointed he should be interfered with as little as possible."

In view of what happened at Coventry, you appear to be right. The difficulty, as I see it, is who is to decide who are the best architects? It seems the setting up of yet another "commission," as you suggest, to appoint or approve an architect, would be faced with exactly the same problem as that of approving a design, as I assume it would be the architect's work which would be considered and not the person.

Who can supply the answer?

H. T. RUSHTON.

London.

SIR,—For many years I have, more or less privately, protested against the aesthetic censorship empowered by the Town Planning Acts, and I now hasten to endorse the observations made by Talbot Larrington in your issue for October 5. I could provide a number of exasperating cases similar to that you illustrated, and I know of many

fine schemes that have been stifled at birth by our censors. Surely it cannot be seriously contended by architects that this control is improving architectural standards? It may have prevented some of the worst excesses of ignorant design, but it must also prevent the free experimentation that is the life-blood of architecture. And that is what is happening—the sheep and the goats are being trimmed like poodles with the same old blunt shears.

I am very tired of hearing of the "amenities" that would be "detrimentally affected" by my dastardly use of a flat roof, or my lack of horizontal glazing bars (BSS) or brick-on-edge string-courses, or what-have-you. The good intentions behind this fragment of town planning law have paved the way for some hellish ideas on "amenities." It is difficult to believe that the removal of elevational control would produce buildings capable of horrifying me more than does the Ocean Terminal, and I therefore cannot see any risks involved. If the control were removed, beautiful, bad and indifferent buildings would continue to be created in proportions relative to the competence and integrity of architects. No amount of control can make a bad conception into a beautiful building; at the best, our controls will establish an orderly indifference. Of course, it is necessary that projects should conform to the pattern of the local plan regarding use-zoning, heights, etc., and consultation between the officers of the planning authority and the individual architect is very important. I venture to think that the removal of elevational control would improve the status of the architect vis-à-vis the planning authority, and instead of our approaching cap in hand, we may be encouraged to voice our opinions and participate in the creation of amenities.

Aesthetic censorship has always been opposed by the artist, and it is astonishing how meekly we have allowed this dangerous situation to exist. It can be removed if we make up our minds, and I say that there is a case for an immediate investigation into the whole business.

East Molesey.

ERIC LYONS.

A Jewel in an Ash Bin

SIR.—It was with mixed feelings that I read ASTRAGAL's comments on housing estates, under the heading of "A Jewel in an Ash-bin" in the JOURNAL for September 7 and 14. "After all, these estates are your designs," he says rather abruptly. If by this he means the architectural profession as a whole, then domestic architectural in England is in a far, far sadder state than I had first imagined.

Most housing estates, as the Vicar of Weavoham said, are "a sprawling pink horror"; they are generally ugly, monotonous, unnatural and insensitive, and it seems that many housing architects (i.e., those of the profession who should be solving the problem of family living) are, unknown to themselves, repeating in a more decorative pretty-pretty style the jerry-built housing of two decades ago. The study of origins and principles has been completely ignored. The architect, because he is the business man, dashing hither and thither, consulting and being consulted, has forgotten his function as an artist solving cultural and social problems.

Let our architects and town planners look to the great and contemporary minds of Patrick Geddes, Lewis Mumford and Corbusier for initial guidance, at the same time taking full benefit of their own experience and good sense in solving our problem of family living.

Mansfield.

GEOFFREY H. SIMPSON.



MOH

Housing Figures for September

The MOH states that 17,398 permanent houses were completed in Britain during September; 14,945 were finished in August and 17,013 in July. The total completed during the year is 147,165.

PARIS

Documentation Conference

The International Council for Building Documentation was set up recently in Paris. This organization is based on National Committees for Building Documentation in the member countries, and it aims at adopting by agreement a common form in such matters as classification, terminology, format and machinery of exchange information, so that anybody in any country who wants to have the latest information will have a good chance of obtaining it easily.

Since the idea may be described as basically a "common sense" one, it is not surprising that the conference reached cordial unanimity on every item dealt with. The fact that everything went so smoothly was due, in the main, to the hard work put in by a devoted group of specialists, and to the material support of the Scientific and Technical Building Centre of France, backed up by the Minister of Reconstruction and his Government. The delegates had the full honour of being received by the President of the Republic himself.

The detailed technical work of documentation has to be done by professional librarians and these were the people who had to bear the main burden. Nevertheless, the architectural profession was strongly in support and brought its weight to bear through the International Union of Architects and the International Confederation of Modern Architects. The International Federation of Building Contractors was strong in support. Other international bodies in selected fields were equally helpful. The United Nations were present in an advisory capacity and with their experience in handling international organizations they were able to help the new council to steer clear of some of the many pitfalls which beset the formation of such a body.

The office of President of the Council was filled, by the unanimous vote of the Conference, by M. W. Marini, Director of the Scientific & Technical Building Centre of France. Agard Evans, librarian of the Ministry of Works, was made vice-president. The second vice-president is M. Gieitz of Sweden.

FOB

Recent Announcements

A large new information centre will be opened by the Festival of Britain Office in January next. The centre will be on the lower ground floor of Messrs. Swan and Edgar at Piccadilly Circus, London. Its design is in the hands of Jacques Groag.

In order to ensure a high standard of posters in the immediate vicinity of the South Bank Exhibition the Festival organization has decided, after consultation with the appropriate associations, and in collaboration with The Advertising Association, The Incorporated Society of British Advertisers, Ltd., and The Institute of Incorporated Practitioners in Advertising, to arrange an open poster competition. The competition will be for outdoor 16-sheet posters, new or not displayed prior to January 1, 1950. Fifteen 16-sheet sites in York Road, S.E.1, which face the South Bank Exhibition and are owned by the British Transport Commission have been reserved for this competition and will be available for renting, one each to the fifteen winning competitors.

An exhibition of Industrial Power in the Kelvin Hall, Glasgow, will present the story of British achievement in heavy engineering and will be the biggest single event in the Scottish celebration of the Festival of Britain. It will run from May 28 to August 4, 1951. The organizer is Alastair Borthwick, who has also written the exhibition theme. The co-ordinating architect is Basil Spence.

MOE

Third Building Bulletin

The third of the series of building bulletins published by the MOE, "Supply of Building Materials in 1951," has recently been issued. It refers mainly to new building and forecasts the probable supply of various important materials in 1951. Following are extracts from the bulletin:—

Steel, except sheet steel, has been removed from control. In order, however, to continue economy in the use of steel British Standard 449, 1948 (the use of structural steel in building) and Codes of Practice, CP 113 (1948) for structural steel, and CP 114 (1948) for reinforced concrete, should still be followed. Sheet steel remains under control and must continue to be used only for essential trims and fittings. The Minister may, however, be able to authorize its wider use when the new sheet steel works in Port Talbot, South Wales, come into full production, which may be about the middle of 1951.

Iron and steel authorizations remain unnecessary.

The supply of softwood in 1951 will remain difficult. Its use should in all cases be governed by the terms of the "Ministry of Works Economy Memorandum on the use of timber in all building work" (Timber, No. 2). The use of new softwood for new flooring will be permitted only for gymnasia. For the construction of stages in new secondary schools the Ministry will be prepared to consider applications for the release of the minimum required for floor finish and joists. In new primary schools, where a portable or other platform is normally more suitable, release for framing and covering will be considered.

Hardwood must be substituted for softwood to the greatest possible extent. Some West African hardwoods of the soft-hardwood variety, particularly Obeche, are most suitable for this purpose. Hardwood from soft currency areas has been freed from con-

sumption licensing with the exception of teak—all specifications (except scantlings and strips 4 inches and under thick and 5 inches and under wide, other than decks imported as such). Hardwood from hard currency sources requires consumer licences for most varieties. Plywood is now off control except for Russian, Finnish and Columbian Douglas fir varieties.

Some difficulty in the supply of bricks may continue during 1951, but there are no restrictions on their use for any kind of building work. It should, however, be borne in mind that in certain areas there will be a shortage of bricklayers.

Shortages of cement exist at present (September, 1950), but it is hoped that these will prove temporary and that supplies will again be readily available before 1951.

Generally speaking the type of roof which should be adopted in new buildings should be a flat roof either of pre-cast concrete or other roofing units, with a suitable covering, or a pitched roof covered with sheet materials fixed to steel purlins. In addition the supply of concrete, clay and asbestos tiles is good and these may be specified where they can be fixed without substantial use of timber for battens or rafters. There are no restrictions on the use of slates, but owing to the severe shortage of softwood they will normally have to be carried on steel grillage (for which no iron and steel authorization is needed).

Hardwall plaster and plasterboard are now freely available. Flat asbestos sheets are very scarce and the use of alternatives must be considered. Cast-iron rainwater goods are now available in reasonable quantities but steel, aluminium and copper goods may be more readily available in some areas. Salt glazed pipes are plentiful.

Steel tubes for heating are still in great demand and a delivery period of about 18 months from the date of order exists. Solid fuel burning heating appliances of domestic type are still not freely available. Electrical switch gear of almost all types is scarce.

The paint position is easier and lead supply has improved. Clear sheet glass is readily available. Wired glass is not controlled and is in better supply. Figured glass should not prove difficult to obtain except for occasional delays in delivery. The supply of furniture and equipment continues to be good. Orders for new furniture and equipment should, however, be restricted to immediate needs.

Educational Requirements of Professional Bodies

In 1951, the new examination for the General Certificate of Education will replace the examination for the School Certificate and Higher School Certificate. Professional bodies have been asked by the Secondary School Examination's Council to state their requirements in terms of the General Certificate of Education.

The following are the requirements of the RIBA as a qualification for the Probationership:—Either (a) passes in five subjects at Ordinary level, of which two must be English language and mathematics (elementary), and the remainder must be taken from the following list:—a modern language other than English, physics, chemistry, physics with chemistry, mechanics, general science, history, geography, economics, a mathematical subject (not elementary mathematics or arithmetic), Latin, Greek, English literature, art; or (b) passes in one subject at Advanced and three subjects at Ordinary level, of which two must be English language and mathematics (elementary), and the remainder must be taken from the list given under (a) above. Under either option the applicant will be required to submit drawings in support of his application for the Probationership.

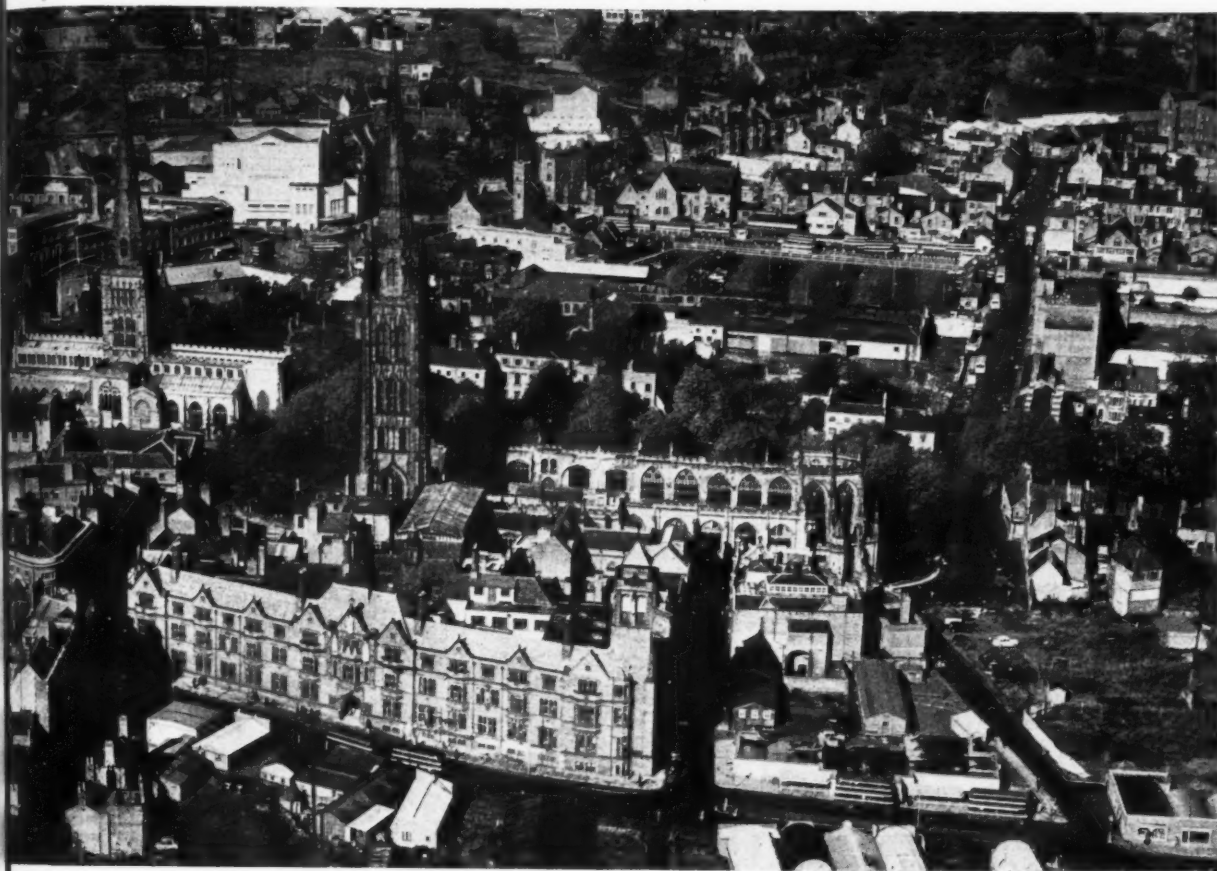
The requirements of The Institution of

COMPETITION FOR THE RECONSTRUCTION



Applications for entry to the Coventry Cathedral competition had to be received by the promoters, Coventry Cathedral Reconstruction Committee, on October 30. Although the competition was announced as long ago as August, conditions were not issued until last week. However, it is felt that they will still be of interest to readers and extracts are given here. The illustrations (together with the plan) were issued with the conditions. The assessors will be Sir Percy Thomas, Edward Maufe and Howard Robertson. The first prize will be £2,000; the second, £1,500 and the third, £1,000. Competitors may place the new Cathedral anywhere within the boundary of the land indicated on the site plan. True west to east orientation is unessential. St. Michael's Avenue and the part of Priory Row which crosses the site may be built over if necessary. The existing tower is to be retained, either separate or as part of the new Cathedral. The two crypts indicated on the plan are of historic importance and must be retained, not necessarily within the confines of the new Cathedral but access to them from the Cathedral must be provided. [NOTE: The vaulting of the crypts is near the floor level of the Cathedral, and important load-bearing walls or piers should avoid them as far as possible.] The old South Porch, with the Cappers Room over it (facing Bayley Lane), which forms an interesting feature in Bayley Lane opposite the old St. Mary's Hall, may be retained and incorporated in the design of the new Cathedral at competitors' discretion. (Bayley Lane need not be widened.) The retention of any other part of the existing Cathedral is also left to the discretion of the competitors. Provision should be

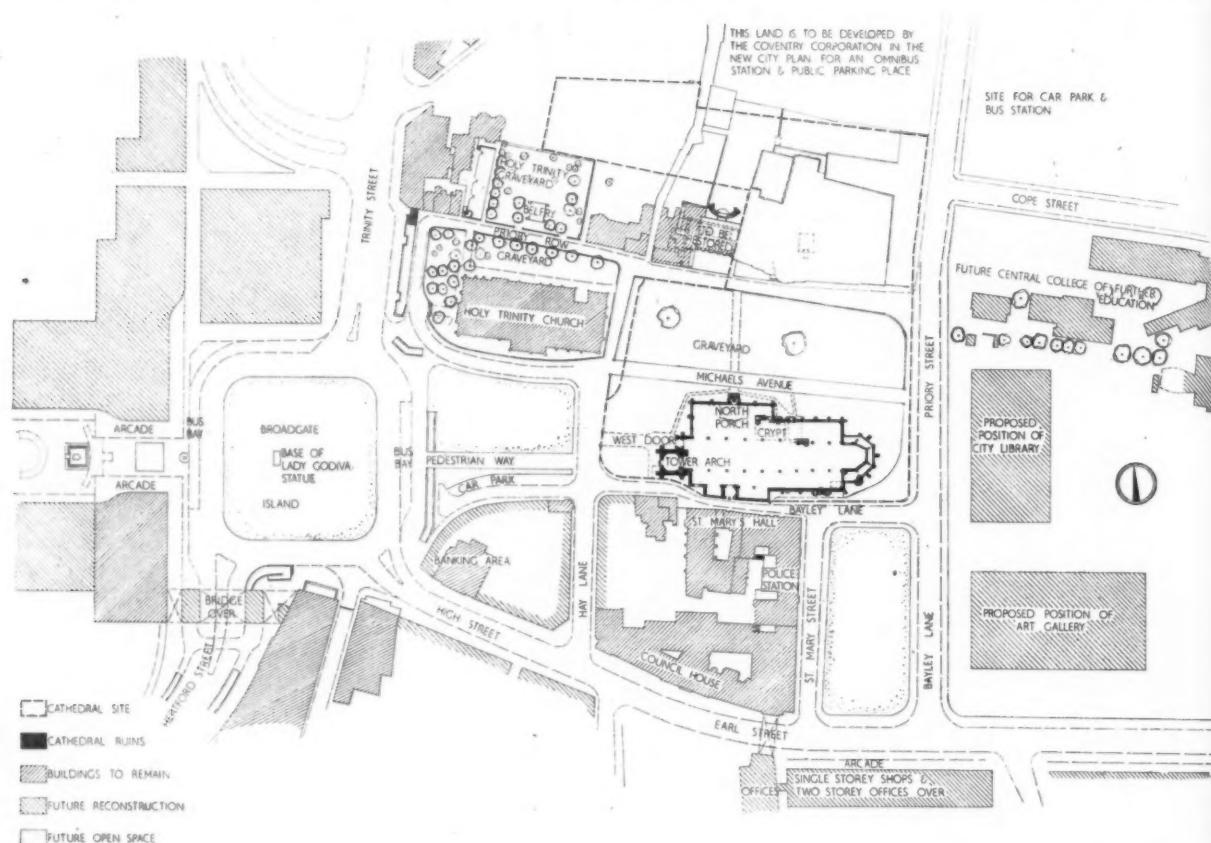
ON OF COVENTRY CATHEDRAL



made in the Cathedral for the following forms of worship which will take place in it:—The daily service of the Cathedral clergy and choir within the main Cathedral; the Sunday services of a regular congregation of, say, 500 people; large diocesan or civic services; festivals of music. The altar should be placed towards the "East" in such a position that as many as possible of the congregation may have a clear and uninterrupted view. There should, therefore, be no screen for the chancel or choir "West" of the altar. There should be a throne for the Bishop and 24 stalls for the Provost, Chapter and Cathedral clergy. The Cathedral should provide seating accommodation for 1,250, amply spaced, exclusive of the Cathedral clergy and choir, with adequate room for liturgical movement. There should be additional permanent seating for 150 diocesan clergy who may be present on great occasions, such seating being capable of use by the laity at other times. There should also be sufficient clear space in the body of the Cathedral so that an additional 250 chairs can be added when required. Provision should be made for a choir of 40 which, as far as possible, must not obscure the sight of the altar from the laity. There should be a font which may be placed in a

baptistry or in some other suitable position. There should be a Lady chapel to seat approximately 75. There should be a Guild chapel to seat 50, a children's chapel to seat 30, and a Chapel of the Resurrection for private prayer to seat 30. Provision should be made inside the new Cathedral for the Charred Cross and Cross of Nails [the first of half-burnt beams which fell from the roof and the second from nails which bound the roof beams together] and also for the Altar of Rubble and the stones bearing the words "Father Forgive." The layout of the ground round the Cathedral should make provision for an open-air pulpit and an open-air stage for religious plays. The following ancillary accommodation is required:—A vestry for the Provost (to be used by the Bishop as required), with secretary's room adjoining; a combined Chapter Meeting Room (i.e., Chapter House) and Canons' Vestry which will be used by 30 members of the Chapter; a large Choir Vestry and Choir Practise Room combined; a sacristy; a Muniment Room (fire-resisting); a small preparation room for altar flowers; proper storage accommodation; lavatory accommodation. The Chapel of Unity will belong to the Joint Council of the Coventry Cathedral Christian Service Centre which is a separate body

COMPETITION FOR THE RECONSTRUCTION OF COVENTRY CA

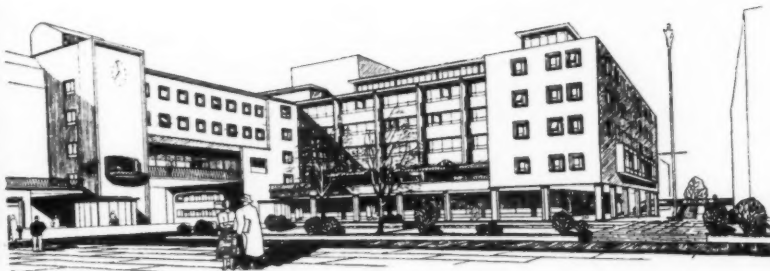


Site plan



from the Cathedral Council and consists of members of the Church of England and the Free Churches. The Chapel should be contiguous with the main Cathedral building, forming an integral part of the whole architectural grouping of the Cathedral. The Christian Service Centre should form an architectural composition with the Cathedral but need not be attached. No restrictions are placed upon competitors as to style or materials to be used in any of the buildings. On the left: Georgian Houses in Priory Row, which are to be retained. Opposite (top to bottom): proposed central college of further education, east of Priory Street; a proposed block of shops at the head of the shopping precinct, west of Broadgate Island; the present interior of the ruined Cathedral; the Cathedral tower (bottom left); the south west corner of the Cathedral, looking east down Bayley Lane (bottom right). The redevelopment of Coventry's central area, which will form the setting for the new Cathedral, was described and illustrated in the JOURNAL on August 24.

CATHEDRAL (continued)



Naval Architects are:—(as a qualification for election as a student member): passes at Ordinary level in five subjects, of which three must be English language, a mathematical subject and a science subject.

The requirements of The Institution of Civil Engineers, The Institution of Electrical Engineers, The Institution of Gas Engineers, The Institution of Marine Engineers, The Institution of Mining Engineers, The Institution of Municipal Engineers, The Institution of Structural Engineers, and The Royal Aeronautical Society are:—(for exemption in 1951 and 1952 from the Common Preliminary Examination administered by the Engineering Joint Examination Board): passes at Ordinary level in four subjects, (1) English, (2) mathematics, (3) and (4) either two approved science subjects or one approved science subject and a language other than English. In addition, passes at Ordinary level will be accepted as exempting from the Common Preliminary Examination on a "subject for subject" basis.

The requirements of The Institute of Mechanical Engineers are:—(i) (for exemption from the Preliminary Examination): as for The Institution of Civil Engineers, etc., above. (ii) (for exemption from Section A of the Associate Membership Examination): passes at Advanced level in any of the six subjects of the Associate Membership Examination exempt from those subjects. The six subjects are:—English, mathematics, applied mechanics, engineering drawing, and two subjects chosen from heat, electricity, physics, chemistry and workshop technology.

RIBA

Recent Announcements

The RIBA announce the following appointments:—*Representatives on the Architects' Registration Council of the United Kingdom*, A. G. Sheppard Fidler in place of the late A. C. Bunch. *Representative to serve on jury for award of RIBA Architecture Bronze Medal*, Royal Society of Ulster Architects, D. Fitzgerald. *Plumbing Trades National Apprenticeship Council: Representative*, W. A. Guttridge in place of Lionel G. Pearson. *Representatives on BSI Committees*: (i) *Sub-Committee of TIB/6: Adhesives in Joinery*, David Booth; (ii) *Committee HIB/12/1: Metal Finishings*, E. D. Mills, O. C. F. Carey, F. R. Pite. *RIBA Representative on Committee of CPRE to consider the Gowers Report on Houses of Historic or Architectural Interest*, The Hon. Lionel Brett. *Rural Bus Shelters: RIBA Member on Panel of Architects convened by the National Association of Parish Councils, to advise on Designs submitted for Rural Bus Shelters, in connection with Festival of Britain Celebrations*, F. R. S. Yorke.

The Council has approved arrangements by which the Institute would sponsor jointly with the Illuminating Engineering Society, a meeting at the RIBA at which a lecture on "Recent Research in Daylighting" would be given by Dr. R. G. Hopkinson and W. A. Allen, of the Building Research Station, on March 13, 1951.

The Council has given formal approval to revisions of the rules of the Institute of Architects of Malaya, the Devon and Cornwall Architectural Society, and the Leicester and Leicestershire Society of Architects. In the case of Devon and Cornwall Architectural Society, the formation of a new branch of the Society at Truro was thereby approved. The revision of the rules of the Leicester and Leicestershire Society of Architects involves a change of title to the "Leicestershire and Rutland Society of Architects."

The Council has accepted with regret the resignation from the Institute's staff of G. E. Marfell, Public Relations Officer.

The Council has approved the recommendation of the Practice Committee that action

should be taken to follow up the suggestion contained in paragraph 105 of the Report of the Working Party on the Building Industry, and that the Institute should once again approach the National Federation of Building Trades Employers with a view to some upward revision of the existing limit of £1,500 in the value of work which may be tendered for without quantities.

The Council has received with gratitude a donation of 10 guineas towards the Completion of Premises Fund, from the County Architects' Society.

The Council has also taken note of the decision of the Ministry of Town and Country Planning that Nos. 66 and 68 Portland Place would be regarded as lands falling within the definition of Section 85 (i) of the Town and Country Planning Act, 1947, on the ground that the Institute was regarded as a charitable organization within the meaning of the Act. No development charge will, therefore, be levied on the completion of the RIBA premises.

Metal Windows for Industrial Buildings: British Standards and Canons of Design. Arising out of the consideration of a British standard for metal windows for industrial buildings, the Council has approved a recommendation of the Architectural Science Board that a letter be sent to the Director, the British Standards Institution, recalling the practice that no standard should be published unless agreed by all interested parties, and that the Institute could agree to the publication of this standard only on the understanding that it was concerned with manufacturing practice, quality and performance, and that no limit was laid down to the overall sizes of windows. The Council has also approved a memorandum prepared by the Architectural Science Board for circulation to all RIBA Representatives on BSI Committees. This memorandum gives a general summary of the purposes of British Standards and guidance to the Institute's representatives on matters of policy.

The following applications for reinstatement have been approved:—*as associates*: Colin Keith Adamson and Clement Osmund Nelson; *as retired licentiate*: William Leicester.

The following resignations have been accepted with regret:—Stanley Harry Burdwood, Sydney Moss and Joseph Derek Whitehouse.

At the RIBA Examination for the Office of Building Surveyor under Local Authorities held on October 4, 5 and 6, 1950, nine candidates presented themselves and the following were successful:—C. C. W. Butler, Alan Hilton and R. V. G. Hogston.

MOTCP

Survey of Open Country

Local authorities are urged in a circular issued by the Ministry of Town and Country Planning to put in hand immediately the survey of "open country" to be made under the National Parks and Access to the Countryside Act, 1949, and to decide what arrangements are necessary for providing access to such country.

In doing so they are asked to consider whether access to open country is already adequate for the needs of their areas and, where the public already have a right of access, whether further action is necessary. For example, there may be instances where the public already have access because of friendly understanding or mutual indifference between landowners and the public.

Under the National Parks and Access to the Countryside Act, planning authorities may make agreements with landowners to give people right of access over certain specified areas. Failing agreement, they may make access orders. The circular recom-

mends that where agreements or orders are in force any special restrictions which they impose on public access be kept to the minimum, particularly on Bank Holidays. Provision can be made in orders for excluding the public at certain times in unforeseen circumstances—for example, when a rare bird is nesting—but it is hoped that such special restrictions will not often be imposed.

Public rights do not extend over land which is under cultivation, and local authorities are advised to issue suitable warnings to the public of this. They are also asked to consider making byelaws if complaints are made about public behaviour on access land. Although local authorities are given until December 16, 1951, to complete their survey, and their reports are due within a year of this date, they are asked not to wait for the maximum period to expire, but to send in the reports as soon as they are ready.

There is a special procedure for dealing with objections to orders which affect woodlands and gathering grounds, but local authorities are asked to try to reach agreement with the owners or bodies concerned before making such orders. They are also asked to consult with the local representatives of the Ministry of Agriculture before making orders or agreements which would affect agricultural land.

DIARY

Exhibition of AA Members' Sketches. At 34, Bedford Square, W.C.1. Daily, 10 a.m. to 6 p.m.; Saturdays, 10 a.m. to 2 p.m. UNTIL NOV. 24

Arts and Crafts Exhibition. V & A Museum, Kensington. Daily, 10 a.m. to 6 p.m.; Sundays, 2.30 p.m. to 6 p.m. UNTIL NOV. 30

Timber in Building: Factors Affecting its Behaviour and Durability. R. G. Bateson. At Merchant Hall, Derby Co-operative Society, Albion Street, Derby. (Sponsor, MOW.) 7.15 p.m. Nov. 9

Mining Subsidence Problems Affecting Housing Construction. H. A. Whitaker. At College Hall, Wigan Technical College, Wigan. (Sponsor, MOW.) 7.15 p.m. Nov. 9

Lighting of Architecture. G. Grenfell Baines. At Institution of Engineers and Shipbuilders, 39, Elmbank Crescent, Glasgow, C.2. (Sponsor, IES.) 6 p.m. Nov. 9

Prestressed Steel Structures. Prof. G. Magnol. At 11, Upper Belgrave Street, S.W.1. (Sponsor, ISE.) 6 p.m. Nov. 9

Is Planning Progressing Backwards? Debate. At 13, Suffolk Street, W.C.2. (Sponsor, Students' Planning Group.) 6.15 p.m. Nov. 9

Presidential Address. At the RICS, 12, Great George Street, S.W.1. 5.30 p.m. Nov. 13

Aluminium Alloys in Building. E. I. Brimelow. At Bainbridge Hall, Percy Street, Newcastle-on-Tyne. (Sponsor, MOW.) 7 p.m. Nov. 13

House of Commons and Other Interesting Recent Buildings. Dr. Oscar Faber. At Neville Hall, Newcastle. (Sponsor, ISE.) 6.30 p.m. Nov. 13

Building for the Farmer. A. R. Broadhead. At the Tempest Anderson Hall, Museum, York. (Sponsor, MOW.) 7.15 p.m. Nov. 14

Inaugural Address by RIBA President. At RIBA, 66, Portland Place, W.1. Also presentation of London Architectural Bronze Medal and unveiling of portrait of Michael Waterhouse, MC, PP. 6 p.m. Nov. 14

House of Commons and Other Interesting Recent Structures. Dr. Oscar Faber. At Cleveland Scientific and Technical Institution, Middlesbrough. (Sponsor, ISE.) 6.30 p.m. Nov. 14

Build Homes for Today, Not Palaces for the Future. Norman Sheldon. At 13, Suffolk Street, Haymarket, S.W.1. (Sponsor, HC.) 1.15 p.m. Nov. 14

Foundry Bridge, Abertillery. W. A. Evans. At Mackworth Hotel, Swansea. (Sponsor, ISE.) 6.30 p.m. Nov. 14

The Lighting of the New House of Commons. C. Dykes Brown. At Lighting Service Bureau, 2, Savoy Hill, W.C.2. (Sponsor, IES.) 6 p.m. Nov. 14

Painting New Cement and Plaster. G. W. Mack. At Lecture Hall, Bolton Technical College, Bolton. (Sponsor, MOW.) 7.15 p.m. Nov. 14

Welded Bridges and Hangars in Spain. Prof. Dr. Ing E. Torroja. At the ICE, Great George Street, S.W.1. (Sponsor, IOW.) 6 p.m. (Preceded by films at 4 p.m.) Nov. 15

Joseph Paxton and His Buildings. Violet Markham. At RSA, John Adam Street, W.C.2. 2.30 p.m. Nov. 15

Radiation, Light and Illumination. J. N. Aldington. Albion Hall, Central YMCA Buildings, Albion Place, Leeds 1. (Sponsor, IES.) 7 p.m. Nov. 15

The Moving of King Henry VIII's Wine Cellar, Whitehall Gardens. L. Scott White. At Great Northern Hotel, Leeds. (Sponsor, ISE.) 6.30 p.m. Nov. 15

The Evolution of Town Planning Policy. B. J. Collins. At 13, Suffolk Street, W.C.2. (Sponsor, TCPA.) 6.15 p.m. Nov. 15

Vibrated Concrete. D. A. Stewart. At 11, Upper Belgrave Street, S.W.1. (Sponsor, RCA.) 6 p.m. Nov. 15

Lighting in the Home. Miss M. Wardlaw. At the Cadena Café, Eastgate Street, Gloucester. (Sponsor, IES.) 6.30 p.m. Nov. 16

AGM. At 13, Suffolk Street, Haymarket, S.W.1. (Sponsor, HC.) Nov. 16

Address by Stirrat Johnson-Marshall. At 13, Suffolk Street, W.C.2. (Sponsor, Students' Planning Group.) 6.15 p.m. Nov. 16

High-Pressure Hot Water Heating. J. R. Kell. At Imperial Hotel, Birmingham. (Sponsor, IHVE.) 6.30 p.m. Nov. 16

Introduction to Programming and Progressing for Builders. R. H. James. At Lecture Hall, Central Library, Corporation Street, Chesterfield. (Sponsor, MOW.) 7.15 p.m. Nov. 16

Good Practice in Plumbing. G. L. Ackers. At County Technical College, The Butts, Coventry. (Sponsor, MOW.) 7 p.m. Nov. 16

Get Town Planning Straight. Conference at London County Hall. Speakers will include J. D. Trustram Eve, B. J. Collins and Sir Thomas Bennett. (Sponsor, TCPA.) Daily, 10.30 a.m. to 12.30 p.m. and 2.15 p.m. to 4.15 p.m. Nov. 16 & 17

Introduction to Programming and Progressing for Builders. A. E. Chittenden. At the Regency Hall, Weeks Ltd., High Street, Newport, IOW. (Sponsor, MOW.) 7 p.m. Nov. 17

Design and its Contribution towards Economic Production and Marketing. Speakers: Robin Darwin, G. Dunn, F. J. Stratton, A. Whitaker. Sectional meeting at Management Conference at Harrogate. 11 a.m. (Sponsor, British Institute of Management, 8, Hill Street, W.1.) Nov. 17

Foundry Bridge, Abertillery. W. A. Evans. At County Buildings, Colwyn Bay. (Sponsor, ISE.) 6 p.m. Nov. 18

A RADIO SHOP AT HARLESDEN, NORTH-WEST LONDON

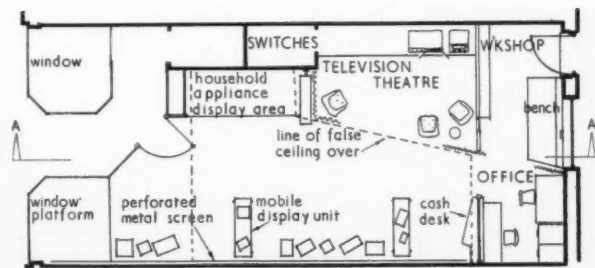


The radio shop for William Perring and Company, at Harlesden, was converted by Brian Peake. Features included are a television theatre for the demonstration of sets, which is isolated by a curtain and office, workshop space and a general display area. One wall has been fitted with a perforated metal panel. Shelves, on brackets, can be fitted anywhere on the panel. The finishes are as follows. Walls : television theatre, grey and white striped

wallpaper ; behind display panel, primrose ; other surfaces, grey. False ceiling to television theatre ; acoustic fibre board, dark blue. Door frames, fascias, shelves ; white. Perforated display panel : panel, grey ; shelves, mahogany ; shelf brackets, white. Light is provided by fluorescent tubes fitted above the egg-crate ceiling.] Above, the back end of the shop. Below left, the television theatre. Contractors appear on page 378.

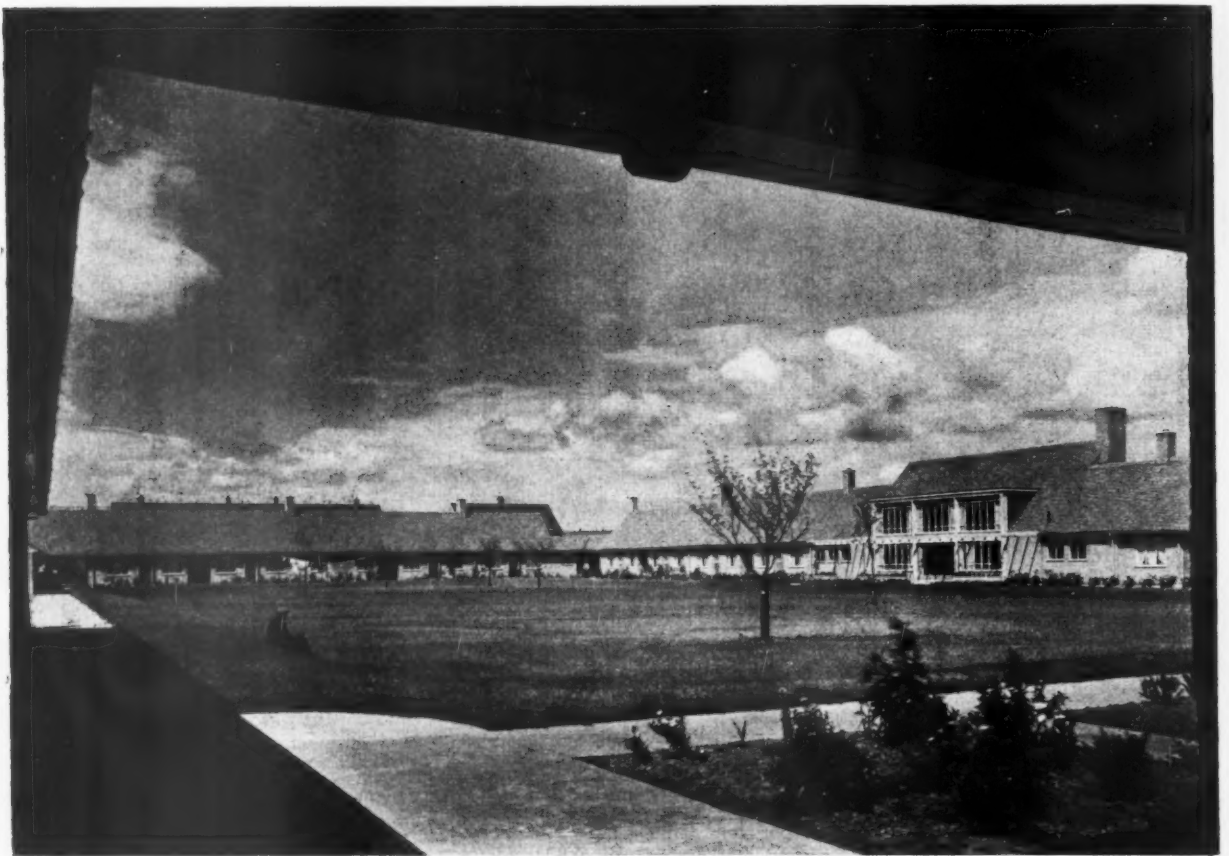


Section A-A



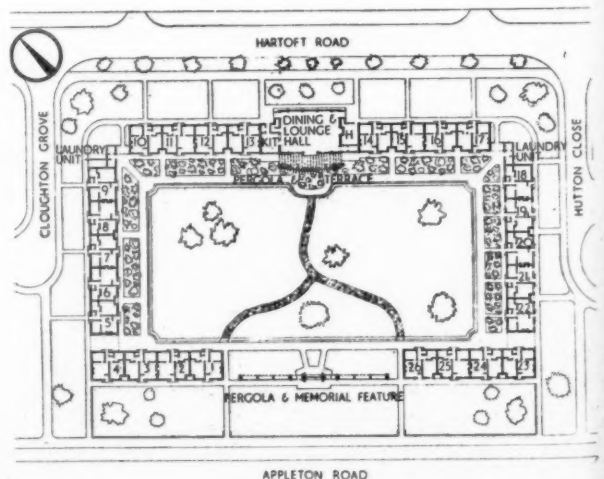
Floor plan [Scale: $\frac{1}{8}'' = 1'0''$]

HOUSES FOR OLD PEOPLE AT KINGSTON-UPON-



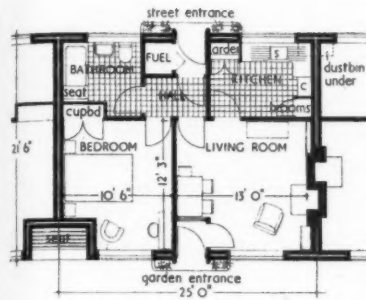
A gift of £30,000, which Kingston-upon-Hull received from the Lord Mayor of London's Air Raid Distress Fund, has been spent on the building of 26 houses for old people, designed by Andrew Rankine, the city architect. The site, which is to the north-west of the city, is near to shops and to an area which will be used later for a park and a community centre. The perimeter of the site will be laid out to include areas of grass, flower beds, flowering trees and shrubs. The houses are placed round a quadrangle on which a lawn has been laid and trees planted. The scheme includes a dining and lounge hall with a kitchen and a heating chamber. The dining lounge hall is steel framed. The 14-in. gable walls are of brick. Walls to houses are either 11-in. cavity, 9-in. or 4½-in. thick. The facing bricks are 2½ in. handmade, sandfaced, mixed and golden brown in colour. Roofs are covered with machine-made sand-faced tiles laid on felt. Metal casements are fixed in wood frames except in the hall, where they are built into the brickwork. Living room and bedroom floors are boarded. The hall floor is covered with wood

block, other floors with quarry tiles. Window mullions and transomes in the hall, canopies and chimney caps are of artificial stone. Each house is wired for radio relay. Kitchens are fitted



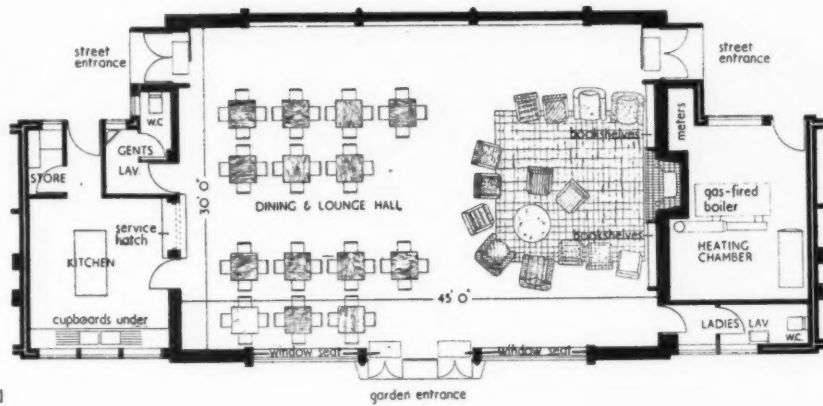
Site plan [Scale: 1/8" = 1'0"]

HULL, E. YORKSHIRE



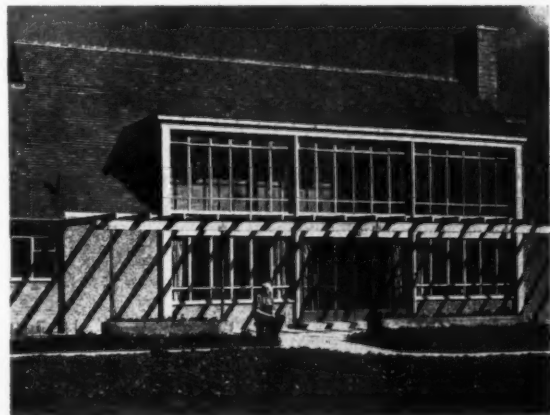
Above, typical plan of house
Right, plan of lounge-dining hall

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



with electric cookers. Baths are partially sunk; corked top seats are provided at one end of the bath and grip handles are fixed to two adjacent walls. The two communal wash houses are each fitted with an electric washer, washboiler, sink and scrubbing table. Drying chambers fitted with racks are warmed by the heating system. A gas-fired boiler provides low pressure hot water to radiators and heating pipes in the hall and living

room, bedroom, kitchen and hall in each house. Domestic hot water is supplied from the same source. Below left, the dining and lounge hall facing Hartoft Road. Below right, the dining and lounge hall from the garden and bottom right, a view of the interior. On the facing page, the quadrangle from the south corner. The general contractors were A. Mather and Son. A list of sub-contractors appears on page 378.

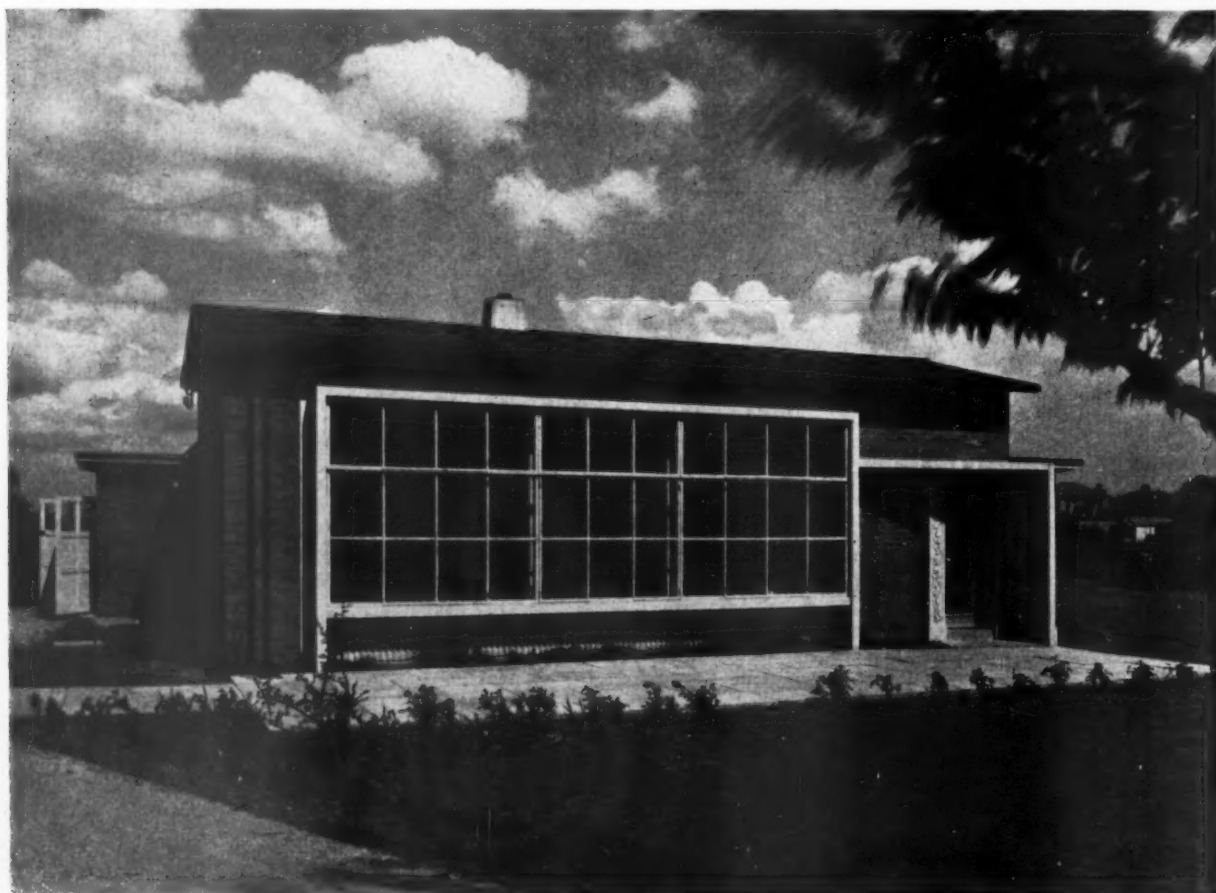


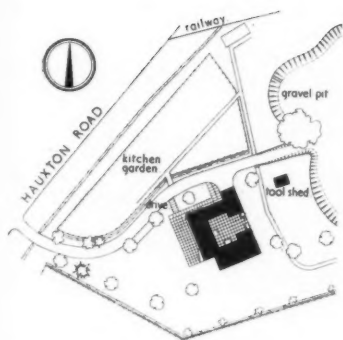
HOUSE

in HAUXTON ROAD, TRUMPINGTON, CAMBRIDGESHIRE
designed by D. C. DENTON-SMITH

The 2½-acre site for the house was chosen because of its proximity to the town of Cambridge and at the same time the open country. The dining-living room faces south-west. A separate dining room and a guest's suite will be added when conditions permit.

The house from the west.



Site plan [Scale: $\frac{1}{2}$ " = 1'0"]

The lounge and dining space beyond. The purpose made 22-ft. by 7-ft. 8-in. steel window is set in a reinforced concrete surround which has been poured in situ.

PLAN.—The entrance hall, with box room above, is at the south end of the 328-sq. ft. lounge-dining room. A wing on one side contains the kitchen with direct access to the dining space. The wing on the other side contains two double bedrooms and a bathroom.

CONSTRUCTION.—The 10-in. cavity walls are constructed of brick and precast coke breeze blocks, finished with lime-putty plasterwork. The purpose made windows are of galvanised steel with bronze fittings, set in moulded timber frames with flush oak cills. The pitched roof is of 31 gauge copper sheeting, carried on insulation board and a pre-fabricated frame. The flat roofs to the wings are of asphalte and boarding on timber joists.

FINISHES.—Facing bricks are hand made and warm buff in colour, windows and surrounds are painted pink-white. Interior plaster work is painted a very pale lilac. The semi-flat oil paint used is slightly deeper in colour. Floors are of quarry tile in the kitchen and polished wood block elsewhere.

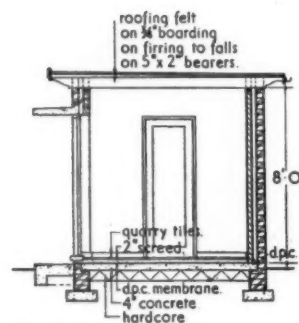
Ground floor plan [Scale: $\frac{1}{8}$ " = 1'0"]



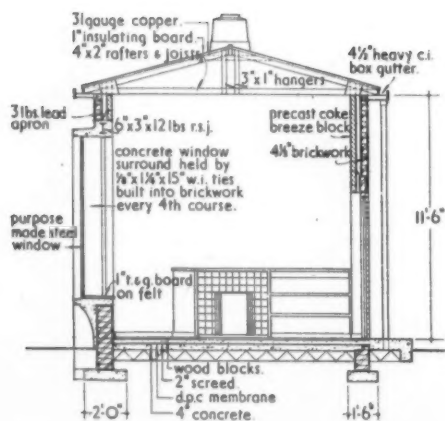
A view from the east. The left-hand wing contains the two bedrooms and a bathroom. The garage and kitchen are in the right hand wing.

HOUSE

in HAUXTON ROAD, TRUMPINGTON, CAMBRIDGESHIRE
designed by D. C. DENTON-SMITH



Section A-A



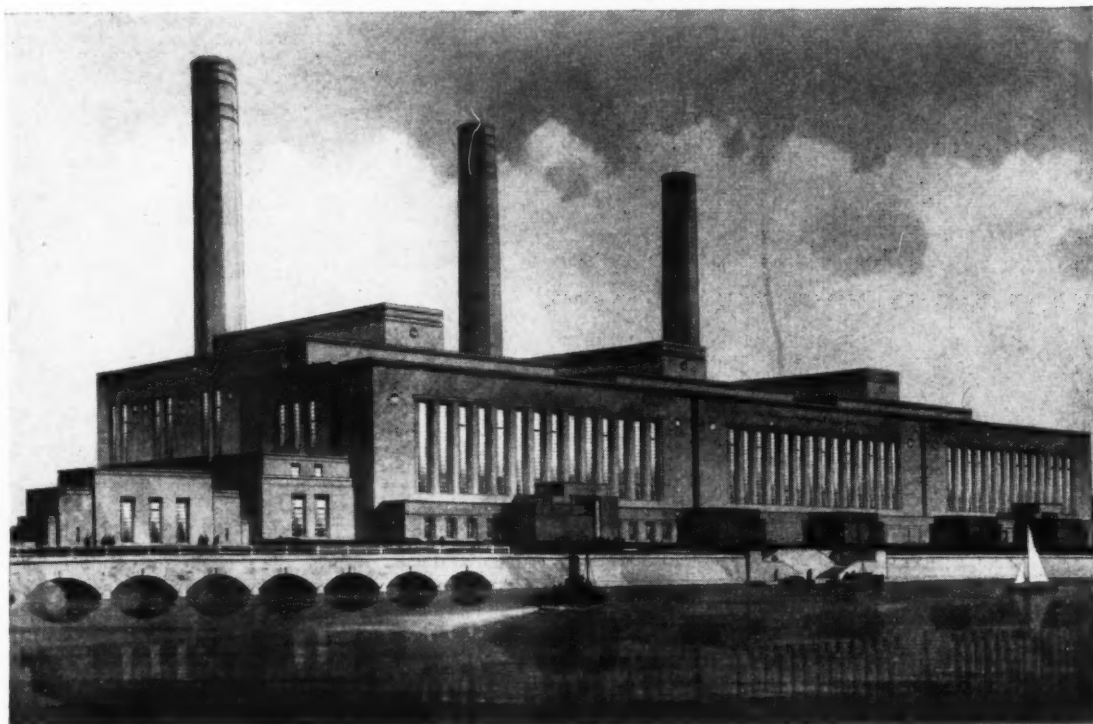
Section B-B [Scale: 1/2" = 1'-0"]

SERVICES.—The living room fireplace is in the centre of the room. The flue is run horizontally to the outside wall. Bedrooms are equipped with electric panel fires and the bathroom is fitted with tubular heaters. Cooking and water heating is by electricity. Lighting fittings consist of wall brackets, flush fitting ceiling bowls or fluorescent tubes fitted above window pelmets.

The general contractors were Kerridge (Cambridge) Ltd. A list of sub-contractors appears on page 378.

NEW POWER STATION AT STAYTHORPE, NOTTS.

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Architect: T. Cecil Howitt, D.S.O., F.R.I.B.A.

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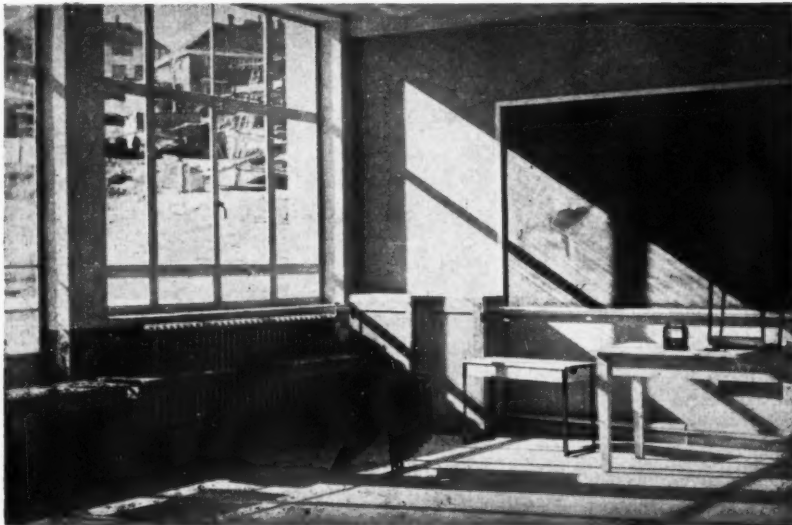
"ELECTRICITY TURNS OLD HOUSES INTO NEW FLATS" is divided into eight sections, which deal with water heating, kitchen planning, cooking, refrigeration, heating, laundry, wiring, and lighting; it is illustrated by photographs and diagrams which show how installations can be made with the greatest economy in cost and efficiency in performance.

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TECHNICAL SECTION



The photograph above, typical of so many classrooms, proves more convincingly than any argument, that controlling the admission of sunlight to school classrooms is just as important as avoiding glare from lighting fittings (dealt with in an earlier technical article): J. A. Godfrey describes the use of various types of blinds for this purpose.*

SUN BLINDS FOR CLASSROOMS

by J. A. Godfrey

In the temperate climate of Britain, sunlight is welcomed and its admission to school classrooms invariably determines their orientation. There are occasions, however, when it is desirable to exclude direct sunlight from occupied school-rooms, in summer—to help to keep them cool and at all times of the year—to reduce glare. One of the simplest methods of doing this is by using blinds.

If walls and roof possess a reasonable degree of thermal insulation, only a rela-

tively small proportion of the sun's heat falling on to the opaque parts of a structure is likely to be transmitted through to the interior during normal school hours and, as a general rule, until late afternoon, most of the solar heat gain in school-rooms is due to shortwave heat radiation through the windows. The accumulative effect of this direct radiation is greatly enhanced because ordinary clear glass freely transmits the shortwave heat from the sun but intercepts the longwave radiation from sources at a temperature below 100° C., i.e., from the interior finishes, furniture, etc., which the sun may rapidly warm.

Experimental work at the Building Research Station and elsewhere has demonstrated that the best way of dealing with the transfer of solar radiation through glass is by reflective treatment and in general, no doubt due to the assistance from free air movement, reflectors are most effective when placed outside the glass. The most satisfactory heat reflecting materials are those with white surfaces (e.g., white paint, white fabric, etc.). Bright metals are not so good because although their light reflecting properties may be high, their heat emissivity is low and they become so hot that they transfer heat by conduction to the air around them. From necessity, however, most of these experiments relate to controlled internal conditions and in practice the problem is complicated by other factors, such as natural ventilation. The Building Research Station is now investigating a trial installation of various types of school blinds and it is hoped to be able to ascertain more exactly their comparative efficiencies for resisting the transmission of solar heat.

Glare from direct sunlight is similar to that associated with artificial light sources of small area and high intrinsic brightness and, in general, is less trying when the sun is high in the sky. In the interior of buildings the direct glare is invariably accompanied by high contrasts between sunlit and shadowed parts of the room and the severity of this depends upon the size and placing of the

windows. On the whole, the most trying cases of sun glare occur when the sun is at a low angle and the interior is poorly illuminated by reflected light. This is a condition which is most evident in classrooms with small separated windows facing west, especially if there is no compensating light from other sources.

To function effectively therefore, classroom sun blinds should screen direct views of the sun throughout the year, from children sitting anywhere in the room and should be able, by their reflectivity, to dissipate in summer, the sun's heat falling on them. They must do these things without reducing unreasonably the general level of illumination, and without unduly restricting ventilation. In view of the present emphasis on economy, it would be an advantage if they could also assist in the general distribution of artificial light and serve for darkening the room when optical projectors are being used.

The penetration of sunlight in mid-summer, spring and autumn and mid-winter for a typical classroom with the main windows facing south is shown in Fig. 1, and indicates that a wide range of control is desirable.

There are five main types of classroom blinds in common use, they are:—

- (a) External canvas sun blinds or awnings;
- (b) External canvas blinds of the canopy type;
- (c) Internal plain linen or cotton roller blinds;
- (d) Internal pleated linen or cotton roller blinds; and
- (e) Internal metal louvred blinds (Venetian type).

The following is a brief critical review of their various attributes based on the foregoing requirements and recent tests of a trial installation.

EXTERNAL CANVAS BLINDS AND AWNINGS

External canvas blinds are designed primarily for dealing with summer sunlight and of all the above types, excepting external louvred blinds, they are most certain of providing cool conditions in summer, as the air can freely circulate over them. An improvement might be obtained, however, if a space could be left at the top of the blind between the blind box and the window head so that warm air under the blind could pass freely through the opening. Their projection from the window is a useful asset because as shown in Fig. 2 they can give protection against summer sun to those children near to the window—with internal blinds it is necessary to draw them down almost to cill level to achieve this. External blinds are often liked by the children because as shown in Fig. 2 they can give the window allows the use of canvas of strong bright colours without detriment to their efficiency and they add a touch of gaiety to the school exterior. There are indications that their effectiveness may be reduced if large areas of light coloured

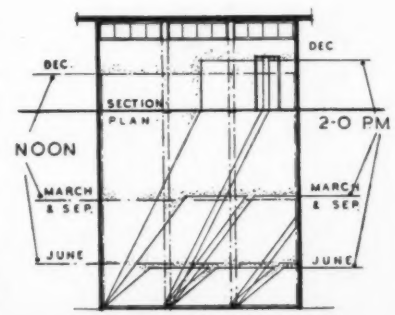
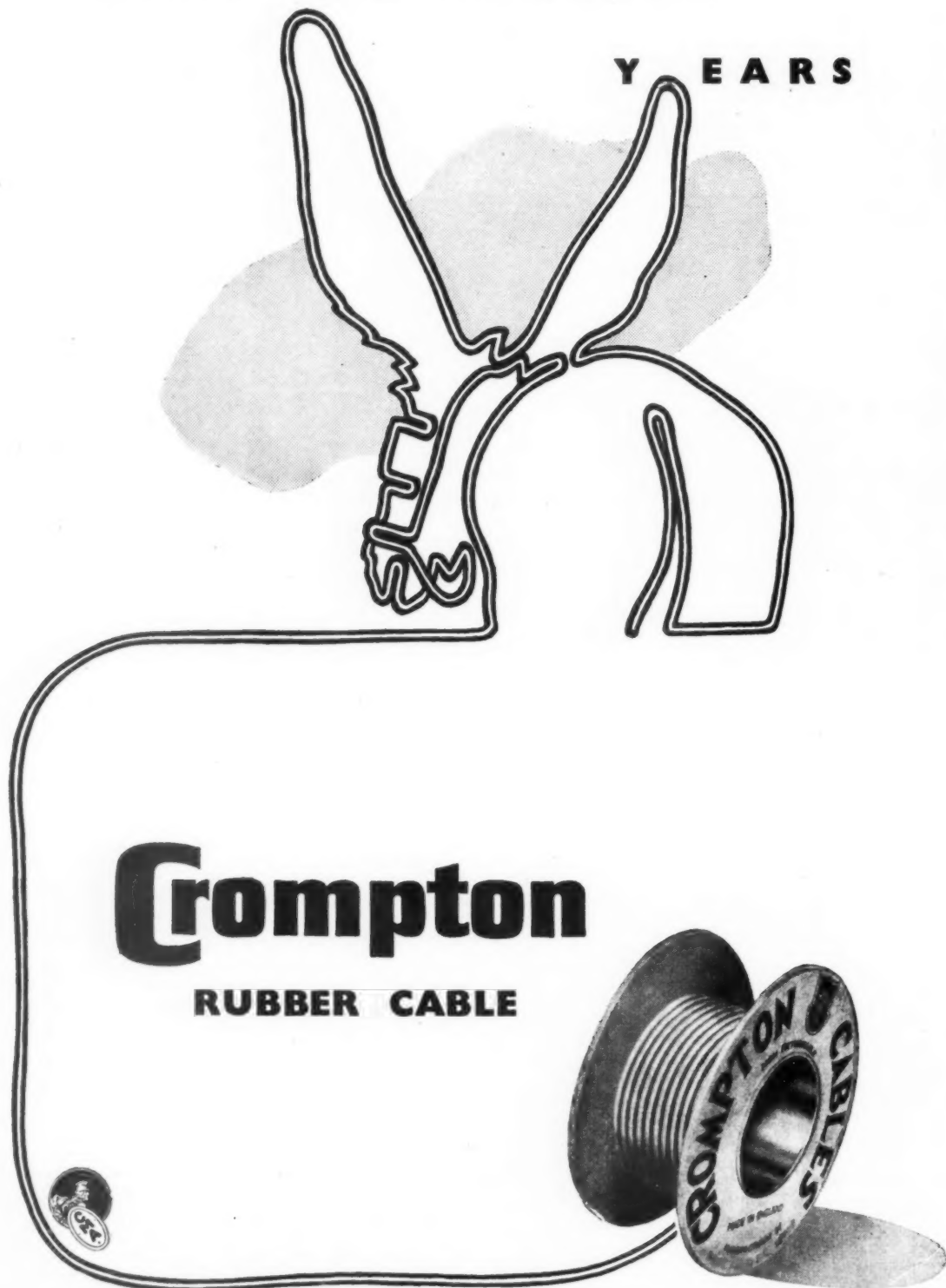


Fig. 1

* AJ Aug. 10, 1950, pages 145-147.

LASTS FOR DONKEYS

YEARS



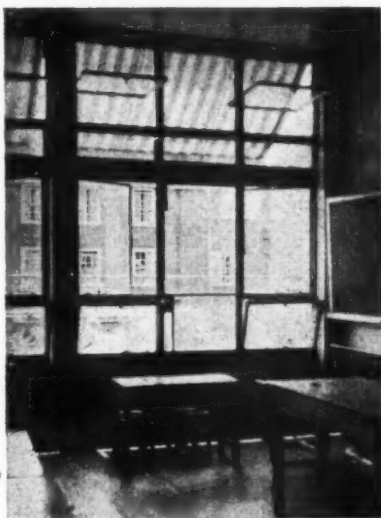
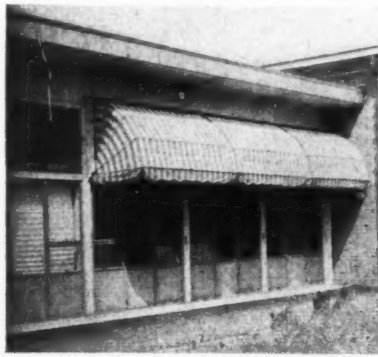
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Canvas sun blind; top left, external view; above left, internal view. (Note wedge of bright sunlight between adjacent blinds). Canopy blind; top right, external view; above right, internal view.

paving are used outside the classroom windows, as this reflects heat under them.

External canopy blinds are not as effective for dealing with low angle sunlight as internal blinds because although the ordinary sun blind can be lowered to obscure quite a large area of window, the area covered is usually limited. However, unless daylighting is supplemented by other windows not subject to direct sunlight, internal blinds tend to reduce the general illumination more than is desirable. They might be made of more translucent material to offset this disadvantage.

Of the two types of external blind in general use the canopy blind with side pieces has the advantage that it easily avoids the undesirable brightness contrast which often results from the wedge-shaped views of sky left between the edges of adjacent plain types (see photo).

For night-time use and for projection purposes external blinds are not of much help. They are not intended for these purposes and need supplementing by internal shades or curtains.

INTERNAL PLAIN AND PLEATED LINEN BLINDS

The internal fabric blinds in general use can give protection against sunlight at all times of the year, but during hot weather they tend to induce convection currents of warm air between the blind and the window which, unless dispersed by venting directly to the open air, are circulated in the room. This effect is less severe if the blind material is white or nearly so, as there are indications that some of the shortwave radiation is reflected back through the window. The pleated linen blind offers an improvement in this respect because it can be adjusted to obscure only that part of the window receiving direct sunlight and thus interferes less with the natural ventilation of the room. For instance: in schools with projecting eaves, when the sun is at a high angle, a useful portion of window can be left uncovered at the top (see Fig. 3). On the classroom section shown, the minimum area of window obscured will range from about 25 per cent. to 75 per cent. of the total window area, according to the season of the year.

As a general rule, the modern internal fabric blinds are made of less dense material than the external type, but unless ample supplementary light is provided from other windows, they seem to reduce the illumination to an unreasonable degree when they cover a large area of window. This may be due partly to their diffusing qualities; for even when the sun is obscured by thin cloud, illumination values of 50 lumens/sq. ft. can be obtained in mid-afternoons in summer with the blinds fully drawn. Because of the large area of brightly illuminated blinds and the soft shadows, the light throughout the rest of the room seems inadequate. To avoid this, teachers should be told how to adjust the blinds to obscure only that part of the window on which the sun is shining.

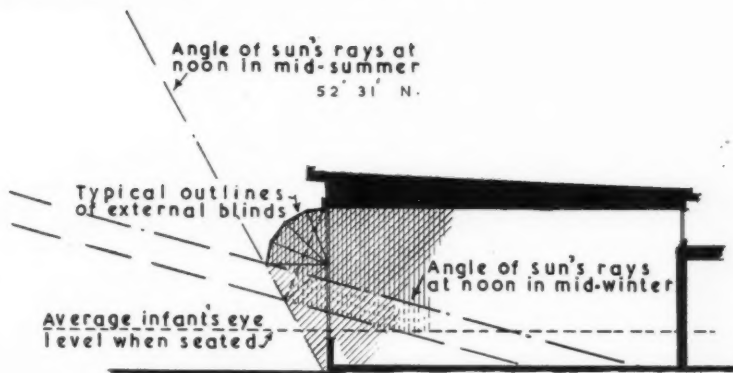


Fig. 2

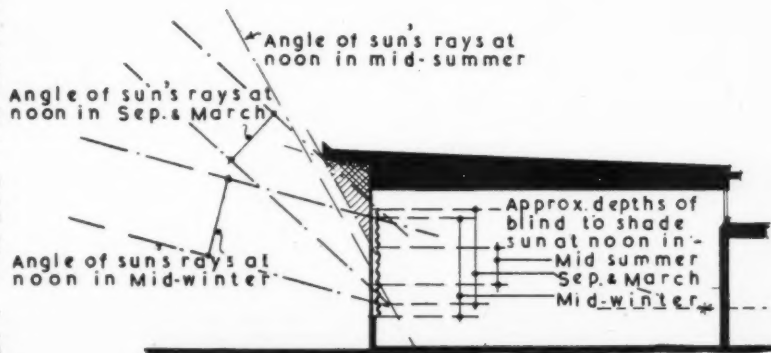


Fig. 3

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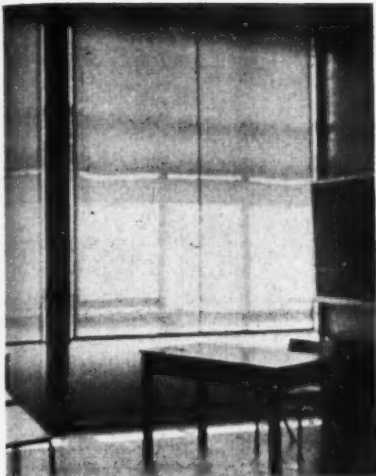
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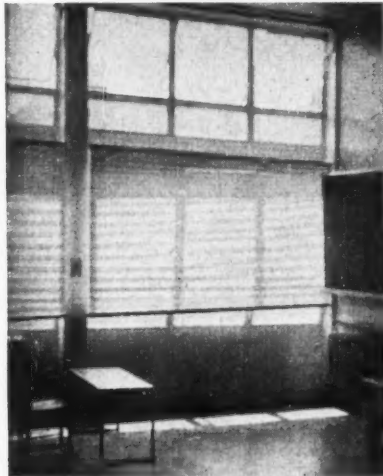


Internal blinds. Left, plain roller blind; centre, pleated roller blind; right, metal Venetian blind. (Note view obtained between louvres.)

For use after dark, both these types of internal blind are generally satisfactory, but under conditions of bright sunlight, they are not likely to be adequate for classroom projection.

METAL LOUVRED BLINDS

The metal Venetian blind as developed in both the USA and Britain is a very useful device for controlling the admission of sunlight. To get the maximum reflectivity the louvre blades of wafer thin steel or



aluminium are usually stove-enamelled in white or very light colours and have the additional advantage that they allow satisfactory ventilation through them. They can also give good protection against high and medium angle sun without a large reduction in the general illumination and with a little skill they can be adjusted to direct the sunlight on to the ceiling with usually a noticeable improvement in the general distribution of daylight. An additional advantage is that when fully drawn the blind can be adjusted so that the lower louvres allow a view to be obtained through them and so do not give the sense of enclosure experienced with fully drawn fabric blinds.

The profiling of the metal louvres is a matter of some importance. The usual



shapes are a flat ogee and convex curve to give the thin metal adequate stiffness. The latter shape seems less satisfactory than the ogee curve as under some conditions it is difficult to avoid showing a reflected diffused image of the sun on the louvre blades which is visible from many parts of the room. This might be avoided by reversing the direction of the curve.

The metal louvred blind is entirely satisfactory for night-time use and for projection purposes, as it is usually a simple matter to adjust the louvres so that they form a flat continuous screen.

The above article is published by permission of The Director of Building Research, BRS, Garston, Herts. Acknowledgments are also due to the Essex County Council for their courtesy in allowing various photographs to be taken.

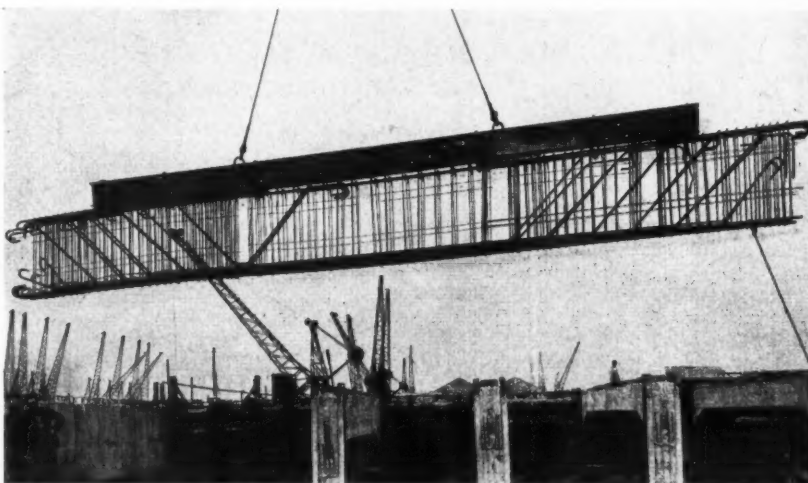
CURRENT TECHNIQUE

This feature appears from time to time in order to bring to readers' notice new constructional ideas, worthy of more widespread adoption.

PRE-ASSEMBLED REINFORCEMENT

It is common practice to use "prefabricated" reinforcement for concrete slabs instead of separate rods, and there are various proprietary mild steel "fabrics" manufactured in accordance with BSS 785 and 1221. There is nothing particularly new in the idea of pre-assembled reinforcement for beams and columns (Dr. Faber used the system in a block of flats before the war), but, although widely used in roadworks (a recent instance being the alterations at Parliament Square), its use in building has not been frequent.

It is not suggested that the idea could be applied universally, but it could often combine the convenience of pre-assembly with the advantages of *in situ* work. The theory is that the rods can be assembled much more easily and accurately in the workshop (on a large job the workshop might be on the site) than in the confines of the shuttering, whilst, since the concrete is poured *in situ*, the advantages of homogeneity are retained. The reinforcement can be held together



Warehouse at Gladstone dock, Liverpool; pre-assembled reinforcement for main beam being lowered into position.

either by tack-welding (the term "tack-welded-reinforcement" is used) or by wiring at the intersections of the rods. There is a proprietary clip manufactured with which it is alleged 10 to 20 binds per minute can be made. These welds or binds have, of course, no structural importance, and only serve to hold the reinforcement together during transportation and until the concrete has set. BS CP 114 (1948) makes it clear that "no special precautions in regard to stress are needed" for tack or positional welding between rods.

The use of pre-assembled reinforcement might well be encouraged, particularly on account of the increased accuracy which could possibly effect a saving in steel, since codes of practice take into account the normal degree of inaccuracy in the placing of rods. It should also improve efficiency, particularly in repetition work, and one can envisage factory production of prefabricated reinforcement for beams and columns, catering for various loadings, just as today the contractor can purchase "fabric" reinforcement for slabs.

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A digest of current information prepared by independent specialists; printed so that readers may cut out items for filing and paste them up in classified order, headings below.

INFORMATION CENTRE

10.77 design: building types GREENHOUSES

The John Innes Horticulture Institution Glasshouse Installation at Bayfordbury. (Architect and Building News, Sept. 8, 1950.)

Brief general description with some illustrations of variety of new greenhouses. Several interesting new types.

The Institution, which is the principal organization for horticultural research and especially famous for its glasshouse research, has taken the opportunity afforded by a move to a new site to erect varying types of glasshouses in order to study their respective merits. Six houses have been built, some traditional, some new. They include one based on an American prefabricated design and one of Continental type and there is an interesting design by the Timber Development Association using laminated ply arches.

It is interesting to learn that the traditional east-west aspect is now rejected in favour of a north-south direction and also to find that a light efficiency some 40 per cent. greater than that of the traditional timber type is obtained by a design in aluminium. As more light means better results, this is expected to be an important improvement. Experimental research will be carried out to determine just what value results.

While commissions for glasshouses must now be a somewhat unusual feature of architectural practice, this article is interesting and a valuable reminder of a first class source for technical information when occasion arises.

10.78 design: building types OUTDOOR SWIMMING POOLS

Design and Operation of Outdoor Swimming Pools. John C. Bumstead (Eng. News Record [USA], Aug. 17, 1950, pp. 33-48).

A 16-page special report with many illustrations, design details and sets of figures for 28 swimming pools built since 1947.

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.

Operation, chemical aspects of filtration and disinfection, also organisation. Interesting and of value to architects and town planners.

There is a great demand for open air swimming pools at the present time. In the USA the target for the next ten years is one large pool for every city of more than 10,000 inhabitants. Even for private use small pools are no longer looked upon as a luxury but more as a necessity. Results of an extensive survey are given in this report, based on most up-to-date practice in design. Only a few of the subjects covered can be mentioned in this review. They include basic design considerations, such as size and shape, pool capacity, longitudinal and transverse section for swimming and diving space, recreation area, lining and marking for bottom and sides of the pool. Towers, springboards and floats are discussed. One foot minimum air space underneath any floating or fixed platform is laid down as a very sensible requirement. Other items include facts and figures about lighting systems overhead and underwater, illumination of approaches, bath houses with dressing rooms and showers, elaborate details of floor design, and the need to avoid cracks or open joints in floors, walls and partitions. Construction of bath houses without roofs is sometimes preferable to permit ample sunlight and to reduce costs. Water purification, pumps and filters are covered, and the organisation and operation of swimming pools as a business undertaking is discussed in some interesting aspects. The aims for the best managed pools are given as follows: (1) The pool water must meet "potability" standards of the Public Health Service at all times. It must be clear and sparkling, without colour, taste or odour. (2) Spic-and-span appearance. (3) Complete protection against disease. (4) Minimum accident rate. (5) Maximum economy. (6) Stimulation of interest in swimming and diving. (7) Financial return. Modern regulations include the obligatory use of hot shower baths with soap before entering the pool. Most of the damage to the pool structures and the equipment occurs during the out-of-use season. Protective measures are listed. Emptying the pool may result in damage to the concrete, particularly in severe winter climates. A table of statistical figures for 28 pools actually built in the last 3 years will prove most useful.

This American survey should be of considerable help to designing architects in this country who will be faced with many similar problems. Outdoor swimming pools are still shockingly few especially in urban areas and the demand is bound to increase for a long time to come.

12.46 materials: metal ALUMINIUM

The Manufacture, Properties and Applications of Aluminium and its Alloys. Colin J. Smithells. (J. of the Royal Society of Arts, Aug. 25, 1950.)

Good general information on manufacture and properties of aluminium. Third paper on applications is rather too general to be of much direct value to building industry.

12.47 materials: metal TENSILE TESTING OF METALS

Tensile Testing of Metals. (BS 18: 1950. (British Standards Institution. 2s. 6d.)

While the architect will not, as a rule, have to go deeply into matters of testing materials, he should have a good working knowledge of how his building materials are

to be checked for complying with his specification. This latest edition of a basic British Standard (first published in 1904) will give him the definitions applied in tensile tests for metals, the shape and dimensions of the standard test pieces, including those for cast iron, wire and tubes, and clear instructions for the testing procedure. The definition for proof stress has been altered, and this is of some importance in view of the steadily increasing application of light metals in building.

14.33 materials: concrete CONCRETING IN COLD WEATHER

Concreting in Cold Weather. Ministry of Works Advisory Leaflet No. 7. (HMSO, 1950. 2d.)

Brief and clear instructions covering conditions at or about freezing point and also more severe weather. Has a common-sense attitude likely to appeal to the man on the job.

Note:—Previous Leaflets in this series were issued free. This one, and future issues will be sold at 2d. each, or at reduced prices for quantities.

14.34 materials: concrete FORMWORK AND SHUTTERING

Concrete Formwork and Shuttering. O. Harry Schrader, jun. (Wood, Sept., 1950.)

General article on American methods using Douglas fir plywood. Illustrated photographs and four diagrams. General interest.

The author is managing director of the Douglas Fir Plywood Association, Washington, and therefore, presumably, not entirely unprejudiced, but the article is of good general interest for its descriptions, which include some useful data on thickness of plywood used, different types for differing conditions, bending radii and some diagrams of jointing and strutting methods.

15.79 materials: applied finishes and treatments PAINTING METAL

Preparing Metal Surfaces for Painting. Ministry of Works, Advisory Leaflet No. 11, 1950. (HM Stationery Office. Price 2d.)

Brief and simple notes on preparation of ferrous and non-ferrous metals for painting.

Good preparation of the surface is an essential factor in painting of any kind, but especially so in the case of metals. This leaflet does not give any startling new information, but is a clear and useful reminder of simple but essential requirements. It deals with the preparation of iron and steel, zinc and aluminium, including recommendations for the correct types of priming coat.

18.61 construction: theory FOUNDATIONS TO KILNS AND COLD STORES

Protection of the Ground from Thermal Effects of Industrial Plant. W. H. Ward and E. C. Sewell. (BRS issue of reprint from Geotechnique 1950, 2 (1). 64-81.)

Amount of insulation required below very hot or very cold plant to prevent foundation troubles is seldom provided. Hot plants require a ventilated cavity. Paper gives approximate solutions to problems. Important paper for reference, but highly mathematical.

Readers requiring up-to-date information on building products and services may complete and post this form to *The Architects' Journal*, 9, 11 and 13, Queen Anne's Gate, S.W.1.

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Buildings Illustrated

"Broadwinds," a House, Hauxton Road, Trumpington, Cambridgeshire. (Pages 370-372.) Architect: D. C. Denton-Smith, L.R.I.B.A. Quantity Surveyors: E. R. Babbs & Sons. General Contractor: Kerridge (Cambridge) Ltd. Sub-contractors: Pitched roof, Broderick Insulated Structures Ltd.; asphalt roofing, The Cambridge Asphalt Co.; electrical work, H. W. Scott; plastering, Cook Bros.; metal windows, Henry Hope & Sons; facing bricks, Ibstock; paving slabs, The Atlas Stone Co. Ltd.; joinery, Kerridge (Cambridge) Ltd.

Old People's Houses, "Commonwealth Homes," Bricknell Avenue Estate, Kingston-upon-Hull, Yorkshire. (Pages 368-369.) Architect: Andrew Rankine, A.R.I.B.A., City Architect. General Contractor: J. Mather & Son. Sub-contractors: Roofing, T. Hardgrave Ltd.; painting, F. A. Wells; plumbing and glazing, R. W. Brown; asphalt, Limmer and Trinidad. Nominated sub-contractors: Electrical, Wray & Nixon; heating, E. G. Hill & Co.; structural steelwork, King & Co. Ltd. Nominated suppliers: Facing bricks, Procter & Lavender; roofing tiles, Henry Hawkins Ltd.; precast concrete and stone, pre-stressed concrete beams and terrazzo, Kingston Concrete Products Ltd.; metal windows, Crittall Manufacturing Co. Ltd.; flush doors, F. Hills & Sons; door furniture, Mateer & Nelson Ltd.; sanitary fittings, Ideal Boilers & Radiators Ltd.; bronze memorial plaque and frame, Bromsgrove Guild Ltd.

Shop for William Perring & Co. Ltd. at 25, Craven Park Road, London, N.W.10. (Page 367.) Architect: Brian Peake, F.R.I.B.A., A.A.(DIP.), M.S.I.A. Photography: Sydney W. Newbery. General Contractor: F. W. Clifford Ltd. Electrical Contractor: Chas. Mickleburgh Ltd. Sub-contractors: Fabric curtain to television theatre specially

designed, hand-blocked, printed on linen by Miss Mary Oliver; wallpapers, Arthur Sanderson & Sons Ltd.; lettering, The Lettering Centre.

Announcements

At the last meeting of the Yale Corporation Prudential Committee, Miss Jacqueline Tyrwhitt was appointed as visiting lecturer in City Planning for the Spring Term 1950-51.

Mr. Leonard G. Boyle, M.INST.R.A., architect, Trafalgar House, Great Newport Street, W.C.2, announces that his Reigate office will be transferred to 12, Bell Street, Reigate, Surrey (tel.: Reigate 2944). He will be glad to receive trade samples, catalogues, and Information Sheets.

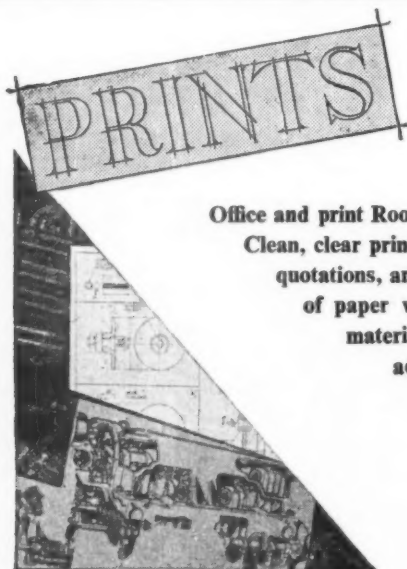
Mr. Donald Wagg, late of 14, Park Lane, Penwortham, Preston, Lancs has moved to the following address: c/o 710, Johnson Street, Victoria, BC, Canada.

Mr. Burton Stibbon, architect, surveyor and town planning consultant, has moved from 129, Finsbury Pavement, E.C.2, to Finsbury Pavement House (Room 221), 120, Moorgate, E.C.2.

Mr. Reginald W. Brown, A.R.I.B.A., has started a private practice at 2a, Town Hall Street, Grimsby, where he would be pleased to receive manufacturers' catalogues.

Mr. W. Leslie Barrow, A.R.I.B.A., has commenced practice at Sunnymead, Wards Road, Up Hatherley, Cheltenham.

The Quasi-Arc Co. Ltd., Bilston, advise that the regular courses of instruction which they operate for training welding operators, and also for engineers, supervisors and designers, will have some vacancies during the autumn months. Courses are fully described in Technical Circular No. 791, obtainable from the Quasi-Arc Co. Ltd., Bilston, Staffordshire, or from the firm's London address at Bridge-water House, S.W.1.



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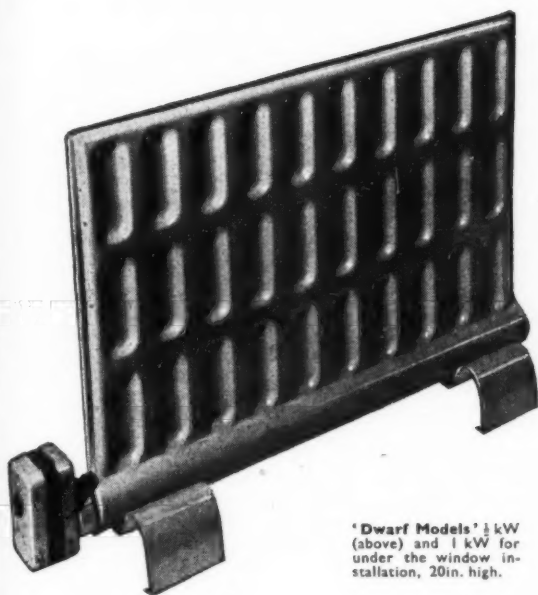
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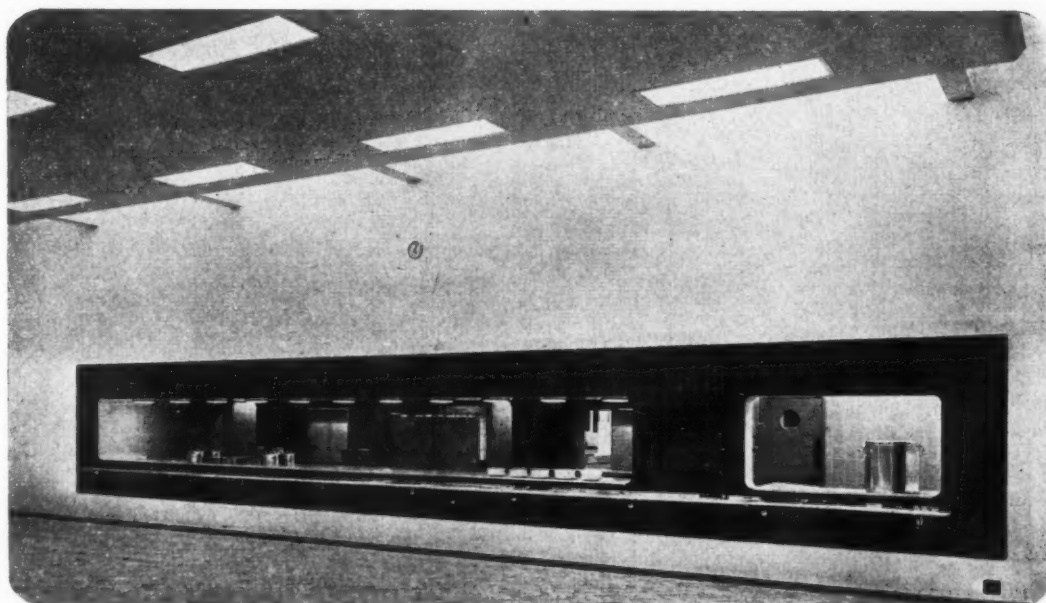
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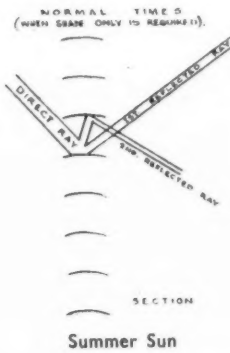
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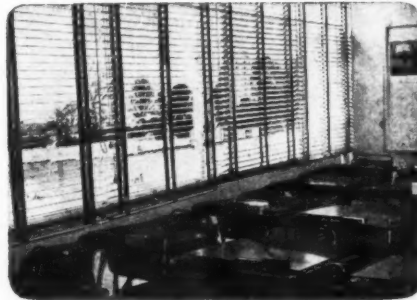
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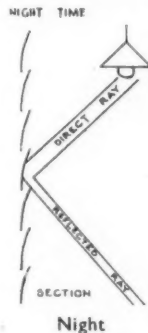
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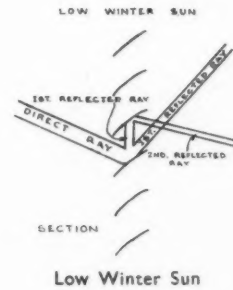
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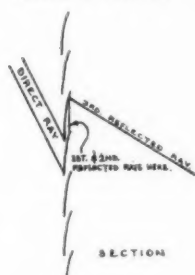


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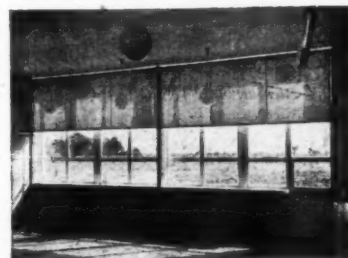
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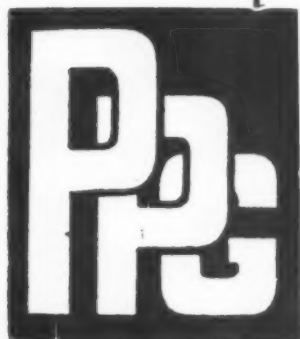
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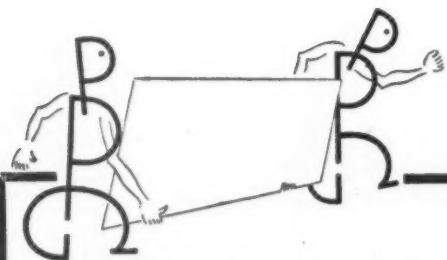
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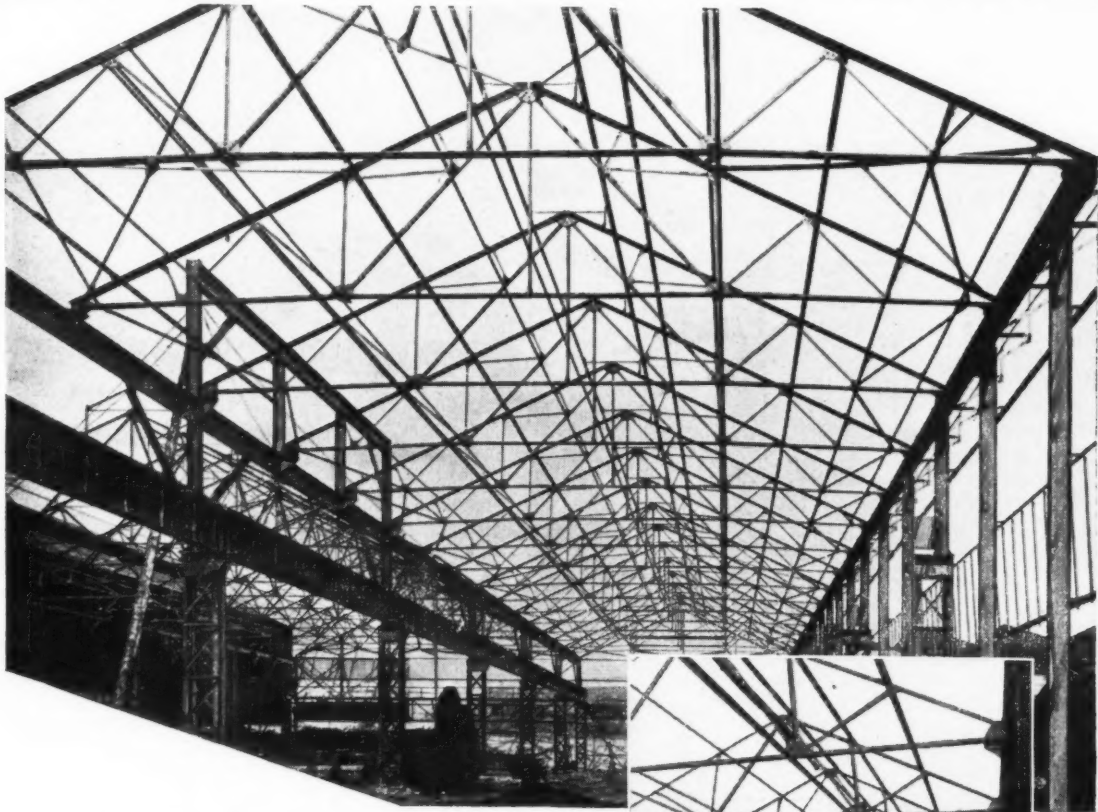


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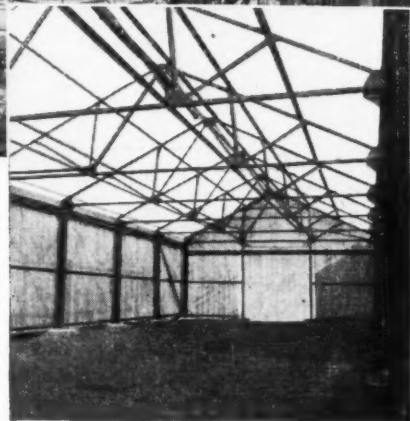


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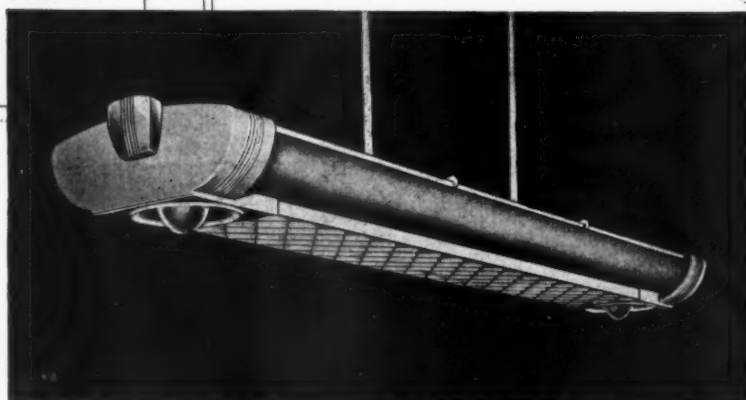
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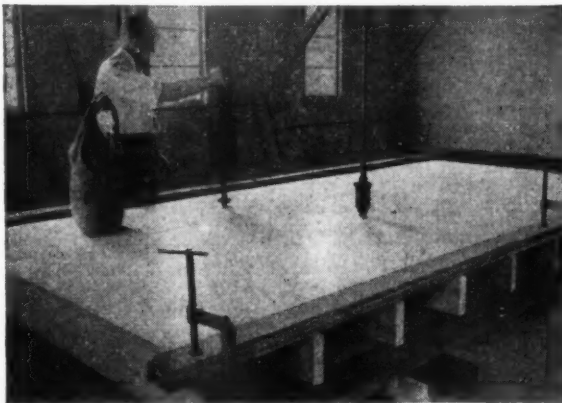


Fig. 1. - Rig and Gear for applying impact tests.

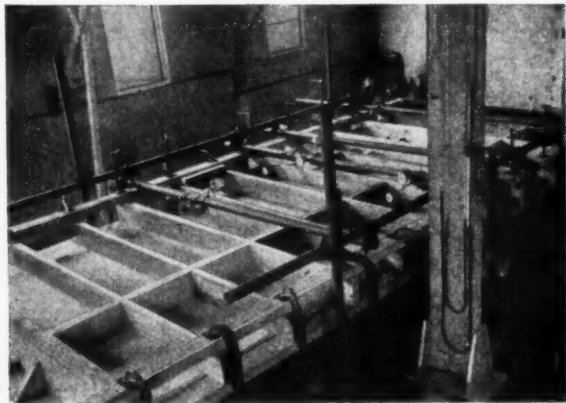


Fig. 2. - Rig for static loading tests. (Floor section is inverted, with captive airbag beneath for loading.)

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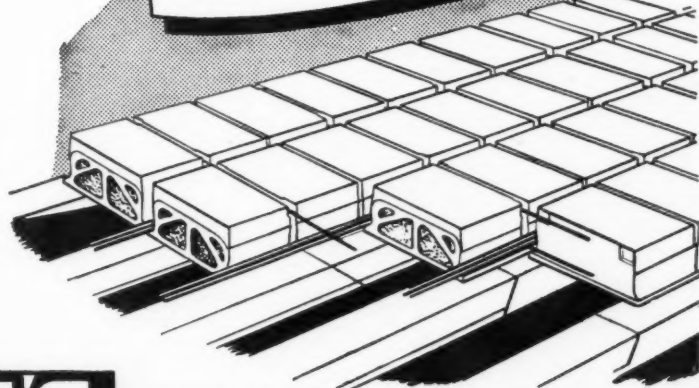
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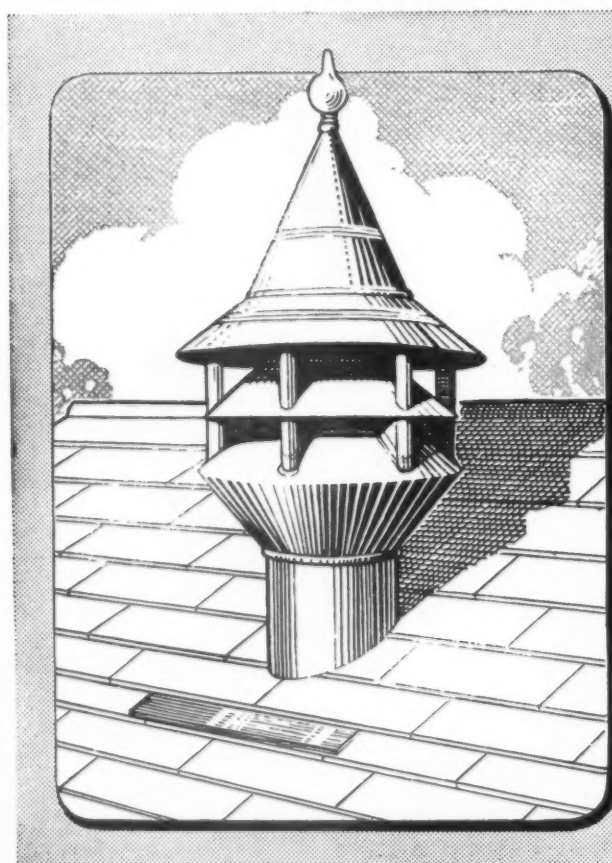
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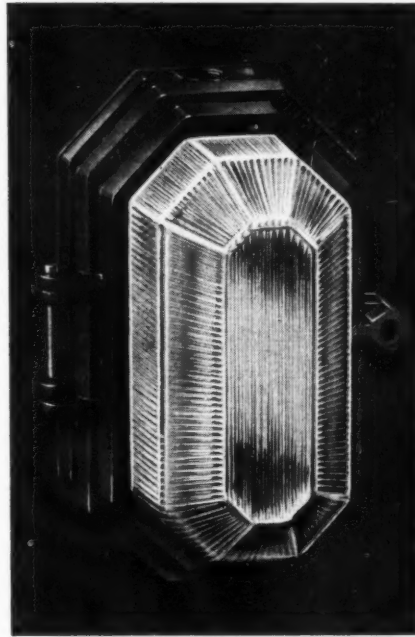
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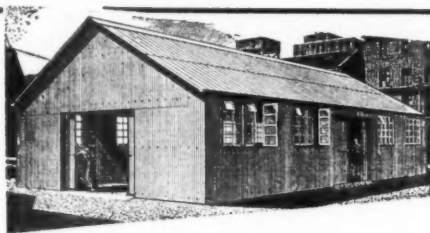
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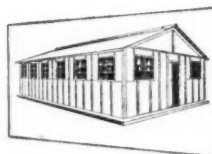
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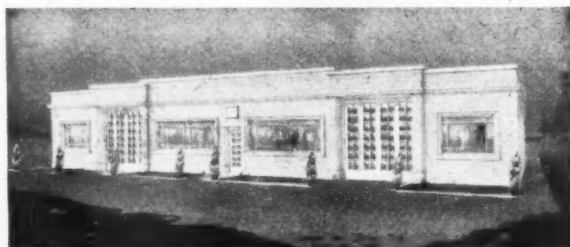
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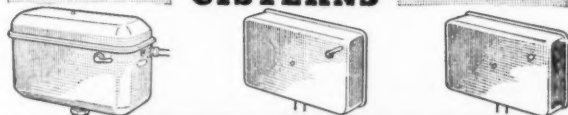
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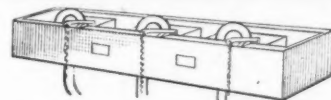
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Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

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

Public and Official Announcements

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

NORTH THAMES GAS BOARD.

Applications are invited for the following appointment in the Architects' Section of the Chief Engineer's Department of Westminster: SENIOR ARCHITECTURAL ASSISTANT, minimum starting salary £650 per annum.

Applicants, who must be Registered Architects and should be studying for or have passed the Final Examination of the R.I.B.A., should be capable of preparing working and detailed drawings and specifications, and supervising and controlling the work on contracts. Experience in design and planning of industrial buildings would be an advantage.

The appointment is of a permanent nature, and pension arrangements will be discussed with short list candidates.

Applications, stating age, qualifications, and particulars of previous appointments held, must be submitted to the Staff Controller, North Thames Gas Board, 30, Kensington Church Street, London, W.8, quoting reference 957. 4341

LONDON COUNTY COUNCIL.

Applications are invited for positions of ARCHITECTURAL ASSISTANT (salaries up to £580 a year) in the Housing and Valuation Department. Commencing salaries will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

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

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required and quote reference A.A.1). Canvassing disqualifies. (816) 4558

LONDON COUNTY COUNCIL. ARCHITECT'S DEPARTMENT. TOWN PLANNING STAFF.

Applications are invited for positions of TECHNICAL ASSISTANT (salaries: (a) £440-£580; (b) 55s.-167s. 6d.) in the Planning Division of the Architect's Department. Candidates should be trained draughtsmen experienced in lettering and in the preparation and colouring of plans. Application forms from the Architect (AR/EK/P), The County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. (1193) 864

CIVIL SERVICE COMMISSION, DUBLIN— POSITION VACANT.

ARCHITECTURAL INSPECTORS (2) in the Department of Health, Dublin. Salary scales: Man, £80 to £965; woman, £635 to £800. Age limits: 27 to 45 years, with extensions of the upper limit in certain cases. Essential qualifications: A recognised University Degree in Architecture or equivalent, and satisfactory practical experience of architectural work. Further particulars obtainable from the Secretary, Civil Service Commission, 45, Upper O'Connell Street, Dublin. Latest time for accepting completed application forms: 5 p.m. on the 23rd November, 1950. 1036

NORTHERN IRELAND HOUSING TRUST. APPOINTMENT OF ASSISTANT ARCHITECTS.

Applications are invited for Assistant Architects, on the salary scale £500-£750 per annum. The point of entry on the scale will be determined by qualifications and experience.

Candidates must be Associates of the R.I.B.A. and must be prepared to undertake and supervise, from the Trust's Headquarters in Belfast, work in connection with housing developments throughout Northern Ireland.

Preference will be given to ex-Service candidates provided the Trust is satisfied that they can, within a reasonable time, fill the posts efficiently.

Assistance in obtaining housing accommodation may be given to successful married applicants. The Northern Ireland Housing Trust was established by the Housing Act N.I., 1945. Successful candidates may be required to participate in a contributory superannuation scheme, which will allow for reciprocal transfer of benefits in Local Authority pension schemes in suitable cases.

Applications should be made not later than 23rd November on forms which may be obtained from the General Manager, Northern Ireland Housing Trust, 12, Hope Street, Belfast. 1037

WILTSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of SURVEYOR'S CLERK, on the County Architect's staff, at a salary in accordance with Grade V of the National Scales, viz., £520, rising to £570 per annum.

Applicants must be capable of taking off Quantities, Preparing Estimates, Site Measurements, Measuring for Interim and Final Certificates, and Checking Jobbing Accounts.

The appointment is superannuable, subject to medical examination.

Canvassing disqualifies. Applications on forms to be obtained from the undersigned should be delivered to him by the 23rd November, 1950.

P. A. SELBORNE STRINGER,

Clerk of the County Council.

County Hall, Trowbridge. 1031

COUNTY LONDONDERRY EDUCATION COMMITTEE.

ARCHITECT'S DEPARTMENT. Applications are invited from qualified persons for the following positions:—

SENIOR ARCHITECT. Applicants must be Associates of the R.I.B.A., or have equivalent qualifications. Salary £650-£750, plus travelling expenses at County Council Rates.

SENIOR ARCHITECTURAL ASSISTANT. Applicants must have passed the Intermediate Examination of the R.I.B.A., or be of equal standing or have at least five years' experience in an Architect's office. Salary £400-£500.

JUNIOR ARCHITECTURAL ASSISTANT. Applicants should have at least two years' experience in an Architect's office, and will be expected to study for the examinations of the R.I.B.A. or other approved body. Salary £200-£250-£400.

The point of entry in the Salary Scales will be determined according to the qualifications and experience of the successful applicants.

Application Forms and Conditions of Appointment may be obtained on receipt of a stamped addressed envelope, and completed application forms should be received not later than Friday, 17th November, 1950.

R. B. HUNTER,

Director of Education.

Education Office, Whitehall Chambers, New Row, Coleraine. 1032

LONDON COUNTY COUNCIL.

London County Council Brixton School of Building. Required as soon as possible:—

(i) HEAD OF DEPARTMENT OF BUILDING AND STRUCTURAL ENGINEERING.

Applicants should be Graduates in Building or Engineering at a British University or Corporate Members of a recognised professional institution and have had responsible professional or industrial experience, and experience of teaching and the organisation of building courses in a technical college.

Salary: Burnham scale for Grade III department, £950-£1,050, together with London Graduate and training allowances, subject to review from 1st April, 1951.

(ii) HEAD OF DEPARTMENT OF ARCHITECTURE AND SURVEYING.

Applicants should be Associates or Fellows of the R.I.B.A. or R.I.C.S., and must have had responsible professional experience and experience of teaching and the organisation of courses in Architecture and/or Surveying.

Salary: Burnham scale for Grade II department, £800-£950, together with London graduate and training allowances, subject to review from 1st April, 1951.

Further particulars and forms of application may be obtained from the Secretary at the School, Ferndale Road, S.W.4. Closing date for applications: 2nd December, 1950. (1383) 1033

DERBYSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the undermentioned 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. Grade VIII, £685-£750 per annum.

Applicants must be fully qualified by examination, and preference will be given to those who have had experience in the design and construction of School buildings.

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

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

The County Council is not in a position to assist successful applicants with 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 within two weeks from the publication of this advertisement.

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

F. HAMER CROSSLEY, Dipl. Arch. (L'pool.), F.R.I.B.A.,

County Architect.

St. Mary's Gate, Derby. 12th October, 1950. 1034

CRAWLEY DEVELOPMENT CORPORATION invite applications for the post of JUNIOR ASSISTANT ARCHITECT. Salary scale £400-£250-£525 p.a. Applicants should have obtained the R.I.B.A. Intermediate Examination standard. The commencing salary will be determined by the qualification, age and experience of the applicant.

Contributory superannuation.

Form of application and further particulars should be obtained from the Chief Architect, A. G. Sheppard Fidler, M.A., B.Arch., F.R.I.B.A., A.M.T.P.I., Broadfield, Crawley, Sussex, to whom completed application must be returned not later than 16th November, 1950.

C. A. C. TURNER, Chief Executive. 1064

ROYAL COLLEGE OF ART. STUDIO ASSISTANT—SCHOOL OF ARCHITECTURE.

Applications are invited from persons with a good education and some experience in architectural drawing. The present salary scale, which is subject to reconsideration, is £175-£215 to £250 p.a.

Further particulars and application forms from the Registrar, Royal College of Art, Exhibition Road, S.W.7, to whom they should be returned within 14 days of the appearance of this advertisement. 1063

COUNTY BOROUGH OF DONCASTER. ESTATES AND HOUSING DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant in the Estates and Housing Department of the Council, at a salary in accordance with Grade VI of the Administrative, Professional and Technical Division of the National Scales of Salaries, i.e., £595 per annum, rising by annual increments of £20, £20, and £25 to £660 per annum.

Applicants should be Associates of the Royal Institute of British Architects, and have experience in housing, design and layout.

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

Housing accommodation may be made available.

Applications, stating age, qualifications, and previous experience, together with copies of three recent testimonials, should be forwarded to the undersigned not later than Monday, the 20th November, 1950.

Canvassing, directly or indirectly, will be a disqualification.

H. S. ESSENHIGH, Town Clerk.

1, Priory Place, Doncaster. 30th October, 1950. 1062

BOROUGH OF CHELMSFORD. SENIOR ARCHITECTURAL ASSISTANT, GRADE A.P.T., VI.

Applications are invited for the appointment of Senior Architectural Assistant, at a salary in accordance with Grade A.P.T., VI. Applicants must be suitably qualified, and experienced in the design and construction of houses and flats, and have had administrative experience.

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

Applications, stating age, qualifications, experience, present and previous appointments (with salaries), together with the names and addresses of two referees, are to be delivered to the Borough Engineer, Surveyor and Architect, Municipal Offices, Duke Street, Chelmsford, not later than Wednesday, 22nd November, 1950. Applicants must state whether to their knowledge they are related to any member of or holder of any office under the Council.

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

B. A. FRANCIS, Town Clerk.

Municipal Offices, Duke Street, Chelmsford. 29th September, 1950. 1059

CITY AND COUNTY OF KINGSTON-UPON-HULL.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for:—

(a) ASSISTANT QUANTITY SURVEYOR, Grade VIII, A.P.T. Division, £685-£760. Candidates should have a good experience in the preparation of Bills of Quantities for modern school construction, and preference will be given to Associates of the R.I.C.S.

(b) LAND SURVEYOR, Grade V, A.P.T. Division, £520-£570. Candidates must be capable of producing accurate surveys of building sites and of setting out building works.

The appointments will be subject to one month's notice on either side, to the National Scheme of Conditions of Service and the Local Government Superannuation Act, 1937. Application forms, to be obtained from the undersigned, should be returned complete within 14 days of the date of this issue.

ANDREW RANKINE, A.R.I.B.A.,

City Architect.

Guildhall, Kingston-upon-Hull. 1056

COUNTY OF LINCOLN—PARTS OF LINDSEY. COUNTY PLANNING DEPARTMENT.

Applications are invited for the appointment of a Senior Planning Assistant, Grade A.P.T., VI, £595×£20—£660 per annum, on the Headquarters staff in Lincoln, mainly for duties in connection with preparation of the development plan.

Preference will be given to candidates who are Corporate Members of the Town Planning Institute, and additional qualifications or experience in architecture (not necessarily obtained with a local authority) will be an advantage.

The appointment is subject to the Local Government Superannuation Act, 1937, to the passing of a medical examination, and to the National Scheme of Conditions of Service as adopted by the County Council. The person appointed will be required to maintain a car, for which the appropriate travelling allowance will be paid. The County Council have agreed to the payment for a limited period of special subsistence, and travelling allowances to newly appointed married staff during the period between their taking up an appointment and securing housing accommodation.

Applications, stating age, qualifications and previous experience, together with one testimonial and the names and addresses of two referees, must be forwarded to the County Planning Officer, The Castle, Lincoln, not later than 17th November, 1950.

H. COPLAND,

Clerk of the County Council.

County Offices, Newland, Lincoln. 1060

SHEFFIELD REGIONAL HOSPITAL BOARD.

Applications are invited for the appointment of a SENIOR LAND SURVEYOR, in the Architectural Division of the Board's Headquarters Staff, at a salary in accordance with Grade A.P.T., VII-VIII (commencing at £635 and rising by annual increments to £760).

Applicants should be Corporate Members of the R.I.C.S. (Building Section), and be experienced in preparing measured drawings of existing buildings, surveying and levelling sites for new works, the acquisition of sites and properties, and possess a knowledge of the law relating to land and property. Experience in the design and construction of new sewers and sewage disposal plants, maintenance of roads, etc., would be an advantage. The ability to prepare plans and estimates for minor works is also necessary.

Applications, stating age, details of experience and qualifications, together with the names of three referees, should be forwarded to the Secretary to the Board, Fulwood House, Old Fulwood Road, Sheffield, 10, not later than Thursday, 23rd November, 1950. 1068

CITY OF SHEFFIELD.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the position of CHIEF ADMINISTRATIVE ASSISTANT, in the City Architect's Department, at a salary in accordance with Grade A.P.T., VII, etc., £635-£710.

Applicants must possess sound administrative experience and should be conversant with Committee Procedure, the preparation of Contract Documents, the compilation of Progress Statistics, the recording of technical information, and the supervision of clerical staff.

Experience in the Administrative Section of an Architect's Department of a Local Authority will be considered to be an advantage.

The appointment will be subject to the Local Government Superannuation Act, 1937, the National Scheme of Conditions of Service as applied by the City Council to their Official Staff, and the passing of a medical examination.

Applications, on forms to be obtained from the City Architect, W. G. Davies, Esq., F.R.I.B.A., Town Hall, Sheffield, 1, must be received by the undersigned not later than Monday, the 20th November, 1950.

Canvassing, either directly or indirectly, will disqualify.

JOHN HEYS,

Town Clerk.

Town Hall, Sheffield, 1. 1061

CITY OF STOKE-ON-TRENT.

CITY ARCHITECT'S DEPARTMENT.

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

(a) SENIOR ASSISTANT ARCHITECTS. Salary A.P.T. Division, Grade VII, £635-£710.

(b) ARCHITECTURAL ASSISTANTS. Salary A.P.T. Division, Grade III, £450-£495.

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

(d) ASSISTANT QUANTITY SURVEYORS. Salary A.P.T. Division, Grade VI, £595-£660.

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

Previous experience of Local Government work is not essential.

Suitable housing accommodation can be made available to the successful candidates for appointments (a) and (d).

Applications, giving date of birth, particulars of training, experience, etc., with copies of two recent testimonials, should be received by J. R. Piggett, F.R.I.B.A., City Architect, Kingsway, Stoke-on-Trent, endorsed with the title of the appointment applied for, not later than Thursday, 30th November, 1950.

HARRY TAYLOR,

Town Clerk.

Town Hall, Stoke-on-Trent. 1067

21st September, 1950.

IMPERIAL WAR GRAVES COMMISSION.

Applications are invited from suitably qualified candidates for the post of SENIOR SUPER-INTENDENT OF WORKS, Burma Area, in the South-East Asia district.

All candidates should be under 50 years of age, have had experience in carrying out constructional work abroad, and have some knowledge of the country. Membership of the Institution of Civil Engineers or Royal Institute of Chartered Surveyors would be an advantage. Single men, or married men prepared to leave their families in this country, only will be considered. Salary scale £625×£25—£750 per annum, plus Foreign Service allowance, at present at the rate of £60 per annum for a single man or £260 per annum for a married man accompanied by his wife. Initial contract would be for a period of three years.

Applications to be addressed to Appointments Officer, Imperial War Graves Commission, Woodburn House, Woodburn Green, Bucks. 1016

HIS MAJESTY'S COLONIAL SERVICE.

TOWN PLANNING OFFICERS are required by the Government of Nigeria.

The selected officers will be appointed either on probation for permanent and pensionable employment, at a salary within the incremental scale £720 to £1,300 (consolidated), or on contract at a flat-rate salary within the scale £800 to £1,450 per annum (consolidated), point of entry in each case depending on age, experience, war service and professional qualifications. In addition a temporary non-pensionable cost-of-living allowance of £60 to £110 per annum is payable. An outfit allowance of £60 is paid on first appointment on salaries under £570. Partly furnished Government quarters are provided, if available, at a rental of £60, £75 or £90 per annum, according to salary, and income tax is payable at low West African rates only. Candidates should possess a Diploma in Town Planning and have had practical experience in the Town Planning of a Municipality or other local authority. Preference will be shown to candidates possessing, in addition, professional engineering qualifications. Tours of duty last from 18-24 months. Terms of service include free first-class passages for the officer and, if married, for his wife, and up to two children once each way each tour, free medical attention, and home leave on full pay at the rate of seven days per month of resident service.

Applicants should write at once to the Director of Recruitment (Colonial Service), Sanctuary Buildings, Great Smith Street, London, S.W.1, stating age, professional qualifications and experience, and quoting reference No. 27231/7. 1012

CROWN AGENTS FOR THE COLONIES.

ARCHITECTURAL ASSISTANT required by the Government of Kenya for the Public Works Department for one tour of four years in the first instance. Commencing salary according to age and experience in the scale £670, rising to £840 a year. Outfit allowance £30. Gratuity on satisfactory completion of service. Free passages. Liberal leave on full salary. Candidates not over 40 years of age should have a good general education and sound knowledge of building construction. Should be accurate draughtsman, with good experience in an Architects' office. Apply at once by letter, stating age, full names in block letters and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/27156/3A on both letter and envelope. The Crown Agents cannot undertake to acknowledge all applications, and will communicate only with applicants selected for further consideration. 1011

COUNTY OF CORNWALL.

APPOINTMENT OF PLANNING STAFF.

Applications are invited for the undermentioned appointments on the staff of the County Planning Department:—

(a) ASSISTANT AREA PLANNING OFFICER for one of the Area Offices. The salary will be on Grade A.P.T., VI (£595-£660). Candidates must be Associate Members of the Town Planning Institute, and preferably also possess a basic qualification in engineering, architecture or surveying. The successful candidate will be engaged mainly on development control, and on the survey of Rights of Way under the National Parks Act.

(b) SENIOR PLANNING ASSISTANT. Salary on Grade A.P.T., V (£520-£570). Candidates must be Associate Members of the Town Planning Institute, and preferably also Associates of the Royal Institute of British Architects, or the Institute of Landscape Architects. The successful candidate will be engaged on Advertisement Control under the Advertisement Regulations, including surveys for Areas of Special Control, work under the National Parks Act and on survey for the Development Plan.

Preference in both appointments will be given to applicants with practical experience in the types of work concerned.

The successful candidates will be required to provide a motor car for necessary travelling, with mileage allowance on the County Scale. The customary service conditions of the Local Government Service will apply.

Applications, together with the names and addresses of three persons to whom reference may be made, should be addressed to the County Planning Officer, County Hall, Truro, not later than the 25th November, 1950. No application forms are issued.

E. T. VERGER,

Clerk of the County Council.

County Hall, Truro. 1121

27th October, 1950.

BOROUGH OF REDCAR.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the above-mentioned permanent appointment on the staff of the Borough Engineer, Surveyor and Water Engineer, at a salary in accordance with Grade A.P.T., III (£450-£495). The appointment will be subject to the terms of the National Joint Council's Scheme of Conditions of Service, to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applicants should be experienced in the preparation of designs, working drawings, specifications, quantities and estimates for Architectural and Housing Works, and should have passed the Intermediate Examination of the Royal Institution of British Architects.

Suitable housing accommodation will be provided for the successful applicant, if required.

Applications, stating age, qualifications and experience, and accompanied by three copies of recent testimonials, and appropriately endorsed, are to be delivered to R. Hilton, Esq., A.M.I.C.E., Borough Engineer, Municipal Buildings, Redcar, Yorks., not later than 30th November, 1950.

Canvassing, directly or indirectly, will disqualify.

H. CALDWELL,

Town Clerk.

Municipal Buildings, Redcar.

October, 1950. 1046

COUNTY BOROUGH OF TYNEMOUTH.

BOROUGH SURVEYOR'S DEPARTMENT.

STAFF.

Applications are invited for the following appointment:—

CHIEF TOWN PLANNING ASSISTANT. Grade VII-VIII.

Applicants must be Associate Members of the Town Planning Institute, and should possess in addition a recognised Engineering or Architectural qualification. They should also have had some administrative experience.

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

Applications, on forms to be obtained from the Borough Surveyor, Mr. D. M. O'Herrity, R.S.C. (Eng.), M.I.C.E., 16, Northumberland Square, North Shields, together with copies of not more than three recent testimonials, should be addressed to the Borough Surveyor, to arrive by 10 a.m. on the 16th day of November, 1950.

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

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

Dated this 5th day of October, 1950.

(Sgd.) FRED. G. EGNER,

Town Clerk.

14, Northumberland Square, North Shields, 1045

BRIGHTON EDUCATION COMMITTEE.

BRIGHTON TECHNICAL COLLEGE.

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

Qualified Architect required as LECTURER IN ARCHITECTURAL SUBJECTS in Civil Engineering and Building Department. Burnham Technical Salary scale, £330×£15—£585. Allowance made for approved training, professional or teaching experience and war service. Further particulars and forms of application obtainable from the undersigned, to be returned to the Principal, Brighton Technical College, Brighton, 7, within 14 days.

W. G. STONE,

Education Officer.

54, Old Steine, Brighton. 1014

COUNTY BOROUGH OF HALIFAX.

BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments:—

QUANTITY SURVEYOR. Salary A.P.T., VI (£595-£660).

HEATING AND VENTILATING ASSISTANT. Salary A.P.T., IV (£480-£525).

TOWN PLANNING ASSISTANT. Salary A.P.T., IV (£480-£525).

TOWN PLANNING ASSISTANT. Salary Miscellaneous, III (£315-£375).

ARCHITECTURAL ASSISTANT. Salary A.P.T., V (£520-£570).

Candidates should possess appropriate technical qualifications and will be required to pass a medical examination. The appointments will be subject to the conditions of service adopted by the Corporation and to the Local Government Superannuation Act, 1937.

Candidates must disclose whether, to their knowledge, they are related to any member of the Council or the holder of any senior office under the Council.

Applications, stating age, qualifications, present position, salary and experience, accompanied by copies of three recent testimonials, should be appropriately endorsed and delivered to the undersigned not later than 14 days after the date of the publication of this advertisement.

RICHARD DE Z. HALL,

Town Clerk.

Town Hall, Halifax.

25th October, 1950. 1067

HUYTON-WITH-ROBY URBAN DISTRICT COUNCIL.

CHIEF ARCHITECTURAL ASSISTANT.
SENIOR ENGINEERING ASSISTANT.
GENERAL ARCHITECTURAL ASSISTANT.
 Applications are invited for the following appointments:—

(a) **CHIEF ARCHITECTURAL ASSISTANT.**
 Salary in accordance with A.P.T. Division, Grade VI (£595×£20×£20×£25—£660 per annum).

Applicants must have passed the Examination of the R.I.B.A., or be Registered Architects, and preference will be given to those who have experience in a Municipal office, in housing design, construction and control of contractors.

(b) **SENIOR ENGINEERING ASSISTANT.**
 Salary in accordance with A.P.T. Division, Grade Va (£550×£20—£610).

Applicants must have passed the Examination for Associate Membership of the Institution of Civil Engineers, or possess the Testamur of the Institution of Municipal Engineers, or its equivalent, and must have had at least 8 years' experience (including training or pupillage) in General Municipal works. Experience in sewerage and reinforced concrete design will be an advantage.

(c) **GENERAL ARCHITECTURAL ASSISTANT.**

Salary in accordance with A.P.T. Division, Grade II (£420-£465), or Grade III (£450-£495), according to qualifications and experience.

Applicants must have passed the R.I.B.A. Intermediate Examination or its equivalent at one of the recognised schools of Architecture.

The successful applicant will be placed in Grade II in the event of his having had less than one year's experience in an Architect's office since passing the R.I.B.A. Intermediate Examination.

He will be placed in Grade III provided he—
 (a) has worked for at least one year in an Architect's office since passing the Intermediate Examination, or

(b) has served, or is at present serving, his articles of pupillage with an Architect, or

(c) has worked in an Architectural office for a minimum period of three years.

The appointments are on the Council's established staff, and are subject to (1) the National Scheme of Conditions of Service, (2) the provisions of the Local Government Superannuation Act, 1937, (3) the passing satisfactorily of a medical examination, and (4) one month's written notice on either side.

Housing accommodation, if required, will be made available to the successful applicants for posts (a) and (b).

Applications, stating age, whether married or single, qualifications and experience, and accompanied by the names and addresses of two referees, must be received by me not later than 19th November, 1950. Canvassing will disqualify.

H. E. H. LAWTON,
Clerk of the Council.
 Council Offices, Derby Road, Huyton. 1035

COUNTY COUNCIL OF INVERNESS.

COUNTY ARCHITECT'S DEPARTMENT.

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

(a) **TWO ARCHITECTURAL ASSISTANTS.**
 Salary A.P.T., V, £520-£570. Candidates should have had a sound general architectural office training and experience, more especially in the preparation of working drawings for schools, housing and other local authority works.

(b) **TWO ARCHITECTURAL ASSISTANTS.**
 Salary A.P.T., III, £450-£495. Candidates should be neat and accurate draughtsmen, and have had experience in the preparation of plans for local authority housing work.

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

Applications, stating age, qualifications and present appointment, accompanied by copies of not more than three recent testimonials, should be submitted to the undersigned not later than ten days after the date of publication of this advertisement.

R. WALLACE,
County Clerk.
 County Buildings, Inverness. 1038

BRECONSHIRE COUNTY COUNCIL invite applications for the following permanent appointments (Male or Female) in the County Architect's Department: (a) **ONE ASSISTANT ARCHITECT** (Grade V £520-£570 p.a.). (b) **ONE ASSISTANT ARCHITECT** (Grade IV, £480-£525 p.a.). (c) **ONE ARCHITECTURAL ASSISTANT** (Grade III, £450-£495 p.a.). (d) **THREE ARCHITECTURAL ASSISTANTS** (General Division or Grade II (£200-£385 or £420-£465 p.a.), according to experience and qualifications). Applicants for appointment under (d) must be registered Architects. Successful applicants for appointment under (d) will be paid a salary within the Grades stated, according to their previous experience and qualifications. Applications must be made on a form to be obtained from the County Architect, Mr. R. C. W. Strickland, Rhyl Offices, Brecon, South Wales (from whom further particulars may be obtained), and must be received by the undersigned not later than 25th November, 1950. C. M. S. Wells, Clerk of the County Council, County Hall, Brecon. 1148

CITY AND COUNTY OF BRISTOL.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for Permanent Staff appointments of **SENIOR ASSISTANT ARCHITECTS** in Grade V (£520×£15—£570).

Applicants should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications and have good general experience in design and construction.

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

Housing accommodation provided, if necessary, at an economic rent.

Applications, stating age, training, qualifications, experience, present appointment and salary, and the names of two referees, must be delivered to the undersigned by Thursday, 16th November, 1950.

J. NELSON MEREDITH, F.R.I.B.A.,
City Architect.
 Eagle House, Colston Avenue, Bristol, 1. 1142

MUNICIPALITY OF SINGAPORE.

APPOINTMENT OF TEMPORARY ASSISTANT ARCHITECT.

DEPARTMENT OF MUNICIPAL ARCHITECT AND BUILDING SURVEYOR.

Applications are invited for above appointment on three years' agreement with possible renewal. Duties will be in connection with the design of buildings for the Waterworks Extensions.

Qualifications: A.R.I.B.A., with some years' practical experience.

Basic salary up to \$1,000 per month, according to age, qualifications and experience, plus cost-of-living allowance, at present \$220 p.m. single, \$295 p.m. married, or \$395 married with family. One Straits dollar equals 2s. 4d. Thus maximum salary offered for married man with family is equivalent to £1,953 per annum.

Officer appointed may be required to live in South Johore or to stay there periodically. Free quarters or allowance in lieu. Appointment subject to medical examination. Six weeks' leave per year of service on satisfactory completion of agreement. 1st class passages paid, including family.

Applications in duplicate, with full personal and technical information and copies of three testimonials, to Messrs. Peirce & Williams (Agents to the Municipal Commissioners), 1, Victoria Street, London, S.W.1, by Thursday, 30th November, 1950. 1143

NORTH RIDING COUNTY COUNCIL.

ASSISTANT ARCHITECT. A.P.T., GRADE VI

(£595-£660).
 Appointment supernannable, and subject to satisfactory medical examination, and two months' notice in writing on either side. Forms of application are not being issued, but further information may be obtained from the County Architect, County Hall, Northallerton. Applications, stating age, qualifications and experience, together with particulars of present and previous appointments and the names and addresses of three persons to whom reference can be made, to the undersigned by Monday, the 20th November, 1950.

Canvassing will disqualify, and a candidate who is related to a member of, or senior officer under the Council must disclose the fact when applying.

H. G. THORNLEY,
Clerk of the County Council.
 County Hall, Northallerton. 1146

COUNTY BOROUGH OF SOUTHEAST-ON-SEA

EDUCATION COMMITTEE.

MUNICIPAL COLLEGE.

Principal: R. W. Wilson, B.Sc.(Eng.), A.C.G.I.,

Whitson, D.I.C., M.I.E.E.

Appointment of Part-time LECTURER in Building Construction in the School of Architecture.

Applications are invited for the appointment of a Lecturer in Building Construction to the First and Second Years of the Full-time Course of Architecture for one day per week, at a salary of £4 4s. per day, plus recognised travelling expenses. Previous teaching experience is not essential. Applications should be by letter, addressed to the Principal, stating qualifications and professional experience. The appointment is required as soon as possible.

H. BOYES-WATSON, M.C., M.A.,
Chief Education Officer.
 1021

SKIPTON URBAN DISTRICT COUNCIL.

ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment. Salary within A.P.T., V-VI, of the National Scales (£550-£660).
 Housing accommodation will be available if required.

Although the position is not in the permanent establishment, it is anticipated that the appointment will continue for at least three years. It will be subject to one month's notice on either side and to the passing of a medical examination for superannuation purposes.

Applications, stating age, qualifications and experience, and the names and addresses of three referees, to be sent to Mr. R. B. Robinson, B.Sc.(Eng.), A.M.Inst.C.E., Engineer and Surveyor, Town Hall, Skipton, by first post on Wednesday, 22, November, 1950.

L. E. SMITH,
Clerk to the Council.
 1149

COUNTY BOROUGH OF WEST BROMWICH.

APPOINTMENT OF ASSISTANT ARCHITECT, A.P.T. VII.

Applications are invited for the appointment of an Assistant Architect on the permanent staff of the Borough Engineer and Surveyor. The salary will be in accordance with A.P.T., Grade VII (£635-£710).

The person appointed must hold and continue to hold the appropriate qualifications set out in the Grading of Special Classes of Officers of the National Charter, M.I.

Housing accommodation will be provided.

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.

Applications, stating age, experience and qualifications, together with the names of two persons to whom reference can be made, should be delivered to the undersigned not later than Saturday, 18th November, 1950.

Canvassing, either directly or indirectly, will be a disqualification, and relationship to any member or senior officer of the Council must be disclosed.

H. SCHOFIELD, B.Sc.(Eng.), A.M.I.C.E.,
A.M.T.P.I.,
Borough Engineer and Surveyor.
 Town Hall, West Bromwich. 1051

HORBURY URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.

ARCHITECTURAL ASSISTANT.

The Council invite applications for the above appointment. Salary will be in accordance with Grade IV, A.P.T. Division, of the National Joint Council Scheme of Conditions of Service (£480 per annum, rising by annual increments of £15 per annum to a maximum of £525 per annum).

Applicants must have had experience in the carrying out of surveys, preparation of plans, specifications for architectural work usually undertaken by a Local Authority, and in particular housing. Proficiency in the complete process of taking off and billing quantities for new housing will be considered an advantage.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, the National Joint Council Scheme of Conditions of Service, and the person appointed will be required to pass a medical examination.

The Council will be prepared to allocate a Council house to the successful applicant, if desired.

Applications, endorsed "Architectural Assistant," stating age, present and previous appointments, and experience, together with copies of two recent testimonials, should be received by the undersigned not later than Thursday, the 7th December, 1950.

H. SENIOR,
Clerk of the Council.
 Town Hall, Horbury, near Wakefield. 1050

HEBBURN URBAN DISTRICT COUNCIL.

APPOINTMENT OF ASSISTANT ARCHITECT, GRADE V.

Applications are invited from suitably qualified persons for the permanent appointment of Assistant Architect in the architectural section of the Engineer and Surveyor's Department.

The salary payable will be in accordance with Grade A.P.T., V, of the National Salary scales, i.e., £520 to £570 p.a. The appointment will be subject to the National Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937.

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

Preference will be given to registered architects who have had experience in the architectural design and construction of housing and general Municipal work.

Applications, endorsed "Assistant Architect," together with copies of two recent testimonials, must be received by the undersigned not later than Tuesday, the 14th November, 1950.

T. MEADOWS WRIGHT, LL.M.,
Clerk and Solicitor.
 Clerks Office, Council Offices, Argyll Street, Hebburn, Co. Durham. 1049

CITY OF BIRMINGHAM EDUCATION COMMITTEE.

APPOINTMENT OF DEPUTY ARCHITECT.

Applications are invited from suitably qualified Architects for the position of Deputy Architect to the Education Committee (Architect to the Committee: Mr. Alex Steele, A.R.I.B.A.).

The salary will be at the rate of £1,000 per annum, rising by annual increments of £50 to £1,250 per annum.

Applicants will be required to produce evidence of their capacity in design and construction. Administrative experience, though not essential, will be of advantage.

The appointment will be for full-time service and will be subject to the provisions of the Local Government Superannuation Act.

Further particulars and forms of application, which should be returned not later than 20th November, 1950, should be obtained from the undersigned on receipt of a stamped addressed envelope.

E. L. RUSSELL,
Chief Education Officer.
 Education Office, General Purposes Branch, Council House, Margaret Street, Birmingham, 3. 1053

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

Temporary Full-time LECTURER IN ARCHITECTURE required for two years to assist instruction of full-time Day and Evening students for Inter. and Final Examinations of the R.I.B.A. Salary in accordance with the Assistants' Scale of the Burnham Further Report, £300 per £15 to £555 per annum at present (allowance made for approved experience and war service), plus graduate and training allowances, and special allowance of £100 per annum.

Further particulars obtainable (stamped addressed foolscap envelope) from the Clerk to the Governors, at the College, and returnable to him as soon as possible.

B. E. LAWRENCE,
Chief Education Officer. 1118

COUNTY BOROUGH OF BLACKPOOL.
EDUCATION COMMITTEE.
BLACKPOOL TECHNICAL COLLEGE AND
SCHOOL OF ART.

Applications are invited for the post of Full-time LECTURER to the Architectural courses. Applicants must be A.R.I.B.A. or F.R.I.B.A.

The College is a R.I.B.A. Listed School for full-time studies. Salary will be in accordance with the Burnham Scale, with allowances for qualifications, full-time training, and business experience.

Application forms and further particulars may be obtained from the Chief Education Officer, Education Department, 3, Canine Street, Blackpool, on receipt of a stamped addressed envelope, and should be returned within 14 days of the appearance of the advertisement.

TREVOR T. JONES,
Town Clerk. 1020

CITY AND COUNTY OF NEWCASTLE-UPON-TYNE.

APPOINTMENT OF DEPUTY CITY
ARCHITECT.

Applications are invited for the appointment of Deputy City Architect, at a salary of £1,080 per annum, plus £59 16s. per annum cost-of-living bonus.

Applicants must be Members of the Royal Institute of British Architects, and should have had wide experience of the architectural work of a local authority, including Housing, Educational and other Public Buildings.

The appointment will be subject to the National Conditions of Service as adopted by the City Council, to the provisions of the Local Government Superannuation Act, 1937, and to three months' notice on either side. The successful candidate will be required to pass a medical examination.

Forms of application may be obtained on application to the City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1, to whom they must be returned, endorsed "Deputy City Architect," on or before the 18th November, 1950.

Canvassing in any form will be a disqualification.

JOHN ATKINSON,
Town Clerk. 1064

LONDON COUNTY COUNCIL.

PARKS DEPARTMENT.

Vacancy for temporary TECHNICAL ASSISTANT for preparation of ground surveys in the Council's parks, open spaces and school playing fields. A sound knowledge is required of the preparation of working drawings, schedules and specifications for reinstatement work to be executed under contract.

Salary according to qualifications and experience within the following scales: £440 to £580, and weekly £5 to £3 7s. 6d.

Application forms from the Second Officer of the Parks Department (PK/Al), The Old County Hall, Spring Gardens, S.W.1.

Canvassing disqualifies. (1292) 1018

COUNTY COUNCIL OF THE COUNTY OF
STIRLING.

Applications are invited for the following posts:—

SENIOR PLANNING ASSISTANT. Salary scale £750, rising by annual increments to £900. Applicants should possess one or other of the following qualifications:—A.M.P.E., A.R.I.B.A., A.R.I.C.S., A.M.I.C.E., A.M.I.Mun.E. and should have experience in Planning work. The successful candidate will be required to assist the Council's Planning Consultant with the preparation of the statutory planning proposals for the County and in dealing with development applications under the Town and Country Planning (Scotland) Act, 1947.

FIRST ASSISTANT. Salary scale £595, rising by annual increments to £660. Applicants should preferably hold one of the qualifications referred to above and should have had experience in Planning work.

The appointments are superannuable and candidates will require to satisfy a medical examination before appointment.

Applications, stating age, qualifications and experience, accompanied by copies of relevant testimonials, should be lodged with the undersigned within 14 days of the publication of this advertisement.

JAMES D. KENNEDY,
County Clerk.

County Offices, Viewforth, Stirling. 1017
2nd October, 1950.

COUNTY BOROUGH OF SWANSEA.
BOROUGH ARCHITECTS' DEPARTMENT.

Applications are invited for the following established posts:—

(1) **FOUR SENIOR ASSISTANT ARCHITECTS.** Grade VII, £635-£710 p.a.

(2) **ASSISTANT ARCHITECT.** Grade V, £520-£570 p.a.

(3) **JUNIOR ARCHITECTURAL ASSISTANT.** Grade III, £450-£495 p.a.

(4) **SENIOR ASSISTANT QUANTITY SURVEYOR.** Grade VII, £635-£710 p.a.

(5) **ASSISTANT QUANTITY SURVEYOR.** Grade V, £520-£570 p.a.

(6) **TWO JUNIOR ASSISTANT QUANTITY SURVEYORS.** Grade III, £450-£495 p.a.

For the post of Senior Assistant Architect, Grade VII, and Assistant Architect, Grade V, Associateship of the R.I.B.A. is required, and for the post of Senior Assistant Quantity Surveyor, Grade VII, and Assistant Quantity Surveyor, Grade V, Associateship R.I.C.S. or I.C.S. is required. For the post of Junior Architectural Assistant, Grade III, and Junior Assistant Quantity Surveyor, Grade III, the Intermediate Examination of the appropriate Institutes as above is required.

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

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

Forms of application may be obtained from the Borough Architect, Mr. H. T. Wykes, F.R.I.B.A., Guildhall, Swansea, and are to be returned, to the undersigned, not later than 26th November, 1950.

Canvassing, directly or indirectly, will disqualify.

T. B. BOWEN,
Town Clerk.

Guildhall, Swansea. 1153
31st October, 1950.

COUNTY BOROUGH OF BURTON-UPON-TRENT.

Applications are invited for the following appointments in the Architectural Office of the Borough Surveyor.

(1) **ONE QUANTITY SURVEYOR.** Grade VII, A.P.T. Division (£635-£710).

(2) **ONE ARCHITECTURAL ASSISTANT.** Grade VI, A.P.T. Division (£595-£660).

Housing accommodation, consisting of a first floor flat, will be made available, if required by the Architectural Assistant.

Preference will be given to candidates who are Associate Members of the appropriate Institute.

Each appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, to determination by one month's written notice on either side, and to the successful candidate passing a medical examination by the Medical Officer of Health.

Applications in sealed envelopes, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, must be delivered to the Borough Surveyor, Town Hall, Burton-upon-Trent, not later than 10 a.m. on Monday, 27th November, 1950.

H. BAILEY CHAPMAN,
Town Clerk.

Town Hall, Burton-upon-Trent. 1152
1st November, 1950.

NORTHUMBERLAND COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Applications are invited from persons with suitable qualifications for the appointment of Planning Assistant, at a salary in accordance with Grade A.P.T., III, of the National Joint Council's scale of salaries (£450-£495 a year).

Candidates for the appointment should have had considerable training or experience in planning work.

The appointment (which is a whole-time one at offices in Newcastle-upon-Tyne) will be subject to the National Scheme of Conditions of Service, to the provisions of the Local Government Superannuation Act, 1937, and to one month's notice on either side, and the successful candidate will be required to pass a medical examination to the Council's satisfaction.

Applications must be submitted not later than the 25th November, 1950.

E. P. HARVEY,
Clerk of the County Council.

County Hall, Newcastle-upon-Tyne, 1. 1150

HERTFORDSHIRE COUNTY COUNCIL.

COUNTY ARCHITECTS' DEPARTMENT.

Applications are invited for the following appointments:—

(a) **ONE CHIEF ASSISTANT ARCHITECT.** Grade IX, £750-£900.

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

(c) **THREE SENIOR ASSISTANT QUANTITY SURVEYORS.** Grade VII, £635-£710.

(d) **THREE ASSISTANT QUANTITY SURVEYORS.** Grade VI, £595-£660.

(e) **ONE ASSISTANT QUANTITY SURVEYOR.** Grade V, £520-£570.

Applicants need not have had previous Local Government experience.

Applications, stating which post is applied for, together with the names of three referees, should be addressed to the County Architect, County Hall, Hertford, Herts., to be received not later than the first post on Wednesday, 22nd November, 1950.

CITY OF NORWICH.

CITY ARCHITECTS' DEPARTMENT.

Applications are invited for the appointment on the permanent staff of an ARCHITECTURAL ASSISTANT in Grade IV of A.P.T. Division (£480-£515 to £525 per annum).

Candidates to have good general architectural training and experience, preference being given to those who have passed the Intermediate Examination and have some knowledge of work in connection with design of school buildings.

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

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

Housing accommodation can, in certain circumstances, be made available.

Candidates who, to their knowledge, are related to any member or officer of the Council, shall, when making application for the appointment, disclose the relationship in writing to the Town Clerk. A candidate who fails to do so shall be disqualified for the appointment and, if appointed, shall be liable to dismissal without notice.

Canvassing of members of the Council or of any Committee, directly or indirectly, shall disqualify a candidate for the appointment.

Applications, stating age, training, experience, qualifications and other relative information, together with copies of three recent testimonials, must be received by the City Architect, City Hall, Norwich, not later than 5 p.m. on Tuesday, 21st November, 1950. 1148

FLINTSHIRE COUNTY COUNCIL.

Applications are invited for the appointment of an ASSISTANT ARCHITECT in the County Architect's Department, at a salary on Grade A.P.T., VI (£595 per annum to £660 per annum), or Grade A.P.T., VII (£635 per annum to £710 per annum), or a combination of both Grades according to qualifications and experience.

Applicants must be Registered Architects and preferably Associate Members of the Royal Institute of British Architects, and should have had adequate professional experience in the preparation of surveys, designs, specifications and construction of modern buildings, particularly school buildings. The appointment is superannuable and subject to the passing of a medical examination.

Applications will be considered from Registered Disabled Persons. Applications, on a form to be obtained from the undersigned, are to be returned to me not later than the 27th November, 1950.

W. HUGH JONES,
Clerk of the County Council. 1147

County Buildings, Mold.

BURGH OF MUSSELBURGH.

ARCHITECTURAL ASSISTANT (Junior) required for Architectural Department of Burgh Surveyor's Office, Musselburgh. Salary scale, £330 per annum, rising to £375 per annum. Applications, stating age and experience, to be lodged with the Town Clerk, Musselburgh, not later than 18th November, 1950.

ROYAL BOROUGH OF KINGSTON-UPON-THAMES.

BOROUGH SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL
ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, at a salary in accordance with Grade Va of the A.P.T. Division of the National Scale of Salaries, £550, rising by three annual increments of £20 to £630, plus London weighting. Preference will be given to candidates who are Members of the Royal Institute of British Architects.

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

Applications, stating age, qualifications and experience, and accompanied by copies of not more than three recent testimonials, must be sent in a sealed envelope endorsed "Architectural Assistant," so as to reach the undersigned not later than 20th November, 1950.

A. W. FORSDIKE,
Town Clerk.

Guildhall, Kingston-upon-Thames. 1119
November, 1950.

COUNTY BOROUGH OF WOLVERHAMPTON.

TOWN PLANNING STAFF.

Applications are invited for the following appointment in the Department of the Borough Engineer and Planning Officer:—

SENIOR PLANNING ASSISTANT. Grade A.P.T., IV or V (£480-£525 or £520-£570), according to qualifications and experience.

Applicants should have had good general planning experience, and preference will be given to a candidate who holds an appropriate qualification.

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

Housing accommodation will be made available to the successful applicant, if required.

Applications, together with one testimonial and two names for reference, should reach the undersigned in suitably endorsed envelopes not later than 23rd November, 1950.

J. BROCK ALLON,
Town Clerk. 1117

Town Hall, Wolverhampton.

CHESHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Applications are invited for the position of CHIEF PLANNING ASSISTANT (ARCHITECTURE) at Headquarters. A.P.T., VIII, £685-£725-£760 per annum. Consideration will be given to the up-grading of this post at the next Annual Review early in 1951.

The appointment is subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to submit a satisfactory medical certificate.

Applicants must be Associates of the Royal Institute of British Architects or hold a similar qualification, and preference will be given to candidates who are also Corporate Members of the Town Planning Institute.

The successful applicant will be required to undertake the detailed planning of housing estates, neighbourhood units and re-development areas, and to advise in the control of elevations. Application Forms and further details and conditions attaching to the appointment, may be obtained from the undersigned on receipt of a stamped and addressed foolscap envelope. The last date for the receipt of completed applications is the 27th November, 1950.

KENNETH O. MALE,

County Planning Officer.

Bridgegate House, Lower Bridge Street, Chester. 1144

BOGNOR REGIS URBAN DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant in the Engineer and Surveyor's Department, at a salary in accordance with Grade IV of the National Scheme—£480-£515-£525 per annum.

The appointment is a temporary one for a period not exceeding two years, and is subject to:—The National Scheme of Conditions of Service. Local Government Superannuation Act, 1937. Satisfactory medical examination.

Termination by one month's notice on either side.

Candidates must have passed the Intermediate Examination of the Royal Institute of British Architects or hold an equivalent qualification, and have particular experience in Housing design.

Applications, endorsed "Architectural Assistant," stating age, qualifications and experience, together with copies of three recent testimonials, to be delivered to the undersigned not later than first post on Monday, 20th November, 1950.

Canvassing will disqualify, and candidates must state any relationship to any member or senior officer of the Council.

R. W. J. HILL,

Clerk of the Council.

Town Hall, Bognor Regis. 1146

GOVERNMENT OF NORTHERN IRELAND.

SUPERVISORY ARCHITECT (SCHOOLS).

Applications are invited for an unestablished post of Supervisory Architect (Schools). The appointment will, so far as can be foreseen, last for several years.

The successful candidate will be remunerated according to qualifications and experience within the salary range £1,000-£1,200 per annum.

Qualifications: Candidates must be Registered Architects and have passed the Final Examination of the Royal Institute of British Architects. They must have had extensive experience in up to date School design and layout, and should be conversant with the use of non-traditional forms of construction. Administrative experience will be an advantage.

Preference will be given to candidates who served with H.M. Forces during wartime, providing the Ministry is satisfied that such candidates can or within a reasonable time will be able to discharge the duties efficiently.

Applications, giving date of birth, full particulars of qualifications and experience, with copies of two recent testimonials, should be sent to the Director of Establishments, Ministry of Finance, Stormont, Belfast, so as to reach him not later than 17th November, 1950. 1039

METROPOLITAN BOROUGH OF POPLAR.

APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT (Grade A.P.T., VI).

Applications are invited from suitably qualified persons for the permanent appointment of Chief Architectural Assistant in the Architect's Section of the Borough Engineer and Surveyor's Department.

The salary payable will be in accordance with Grade A.P.T., VI, of the National Salary Scales, i.e., £595-£660 per annum, plus London "weighting."

Applicants should have had experience of housing and multi-storey flats, and have a good knowledge of building construction and specification writing, and must be able to supervise a team of assistants.

Several schemes, including interesting constructional and detailing problems, are in hand or under construction, and the applicant appointed will be engaged on these projects.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects.

Full details of the appointment and forms on which application must be made, may be obtained from the Borough Engineer and Surveyor, Poplar Town Hall, Bow Road, E.3, to whom completed applications must be delivered not later than first post on Monday, 20th November, 1950.

Poplar Town Hall, Bow Road, E.3. 1043

PRISON COMMISSION have vacancies in London for 1 or 2 LEADING ENGINEERING DRAUGHTSMEN (male). Candidates must be at least 30, with experience of Heating, Hot Water and Steam—the design of all types of central heating systems (steam and hot water), including boiler layout, and general domestic installations for all cases of buildings.

Candidates should have obtained the Ordinary National Certificate or an equivalent qualification. They are expected to have had apprenticeship and suitable technical training, and have gained wide experience in a drawing office.

London salary scale, £500-£625 per annum. Starting pay will be assessed according to age, qualifications and experience.

Temporary appointment in the first instance, but competitions for permanent posts are held from time to time for suitably qualified candidates.

Forms of application from the Establishment Officer, Prison Commission (E.126/3/12), Horseferry House, Dean Ryle Street, London, S.W.1. 1041

LONDON COUNTY COUNCIL.

Brixton School of Building. Required as soon as possible:—

(a) SENIOR ASSISTANT, to teach quantities and analysis of builders' prices. Applicants should be Associates or Fellows of the R.I.C.S., and have had professional experience as quantity surveyors. Salary £766-£825-£878.

(b) LECTURER, to teach building construction. Applicants must be suitably qualified and have experience of industry or professional practice. Teaching experience a recommendation. Burnham Scale salary. An allowance over the scale will be considered in connection with the post, giving maximum basic salary £678 per annum (allowances for qualification and training additional). Application forms (stamped addressed envelope necessary) from the Secretary at the School, Fernside Road, S.W.4, returnable by 11th November. (1274) 1042

BANFF COUNTY COUNCIL.

ARCHITECTURAL AND PLANNING DEPARTMENT.

Applications are invited for the following permanent posts in the Department of the County Architect and Planning Officer:—

(a) ONE CHIEF ASSISTANT ARCHITECT. A.P.T., Grade VII (£635-£710).

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

(c) ONE SENIOR QUANTITY SURVEYOR. A.P.T., Grade VII (£635-£710).

(d) ONE CHIEF ASSISTANT PLANNING OFFICER. A.P.T., Grade VII (£635-£710).

(e) ONE CLERK OF WORKS. A.P.T., Grades I and II (£390-£465).

Applicants for posts (a), (b), (c) and (d) should possess one of the following qualifications, A.R.I.B.A., A.R.I.C.S. and A.M.P.T.I., and in the case of (a) and (b) also be Registered Architects.

Applicants for post (e) must have experience as a Clerk of Works with a Local Authority.

All the posts are subject to the Local Government Superannuation (Scotland) Act, 1937, and it will be necessary for successful applicants to provide a car, for which allowances according to the scale as approved by the County Council will be paid.

Applications, stating age, whether married or single, qualifications, experience, past and present appointments, together with one copy of three recent testimonials, should be forwarded as soon as possible, and in any case not later than 17th November, 1950, to the subscriber.

R. J. CUMMING,

County Clerk.

County Buildings, Banff. 1065

APPOINTMENT OF ASSISTANT PLANNING OFFICERS FOR THE SINGAPORE IMPROVEMENT TRUST.

Vacancies exist on Permanent Staff for:—

(a) ASSISTANT PLANNING OFFICER (APPLICATIONS).

(b) ASSISTANT PLANNING OFFICER (ENGINEERING).

Qualifications: 3 years' Local Authority Town Planning experience, together with, for (a) A.M.T.P.I., and for (b) A.M.I.M.Eng.

Conditions for either appointment: Maximum age 32 years. Subject to medical examination. Basic salary in range \$500 to \$1,000 per month, starting point above minimum for suitably experienced applicants. Graduated scale of allowances, e.g., present allowances on \$560 p.m. basic amount to: Expatriation \$110 p.m., plus cost-of-living \$192 p.m. for single man or \$246 p.m. for married man, or \$318 p.m. for married man with family. Annual increments \$30 p.m. Local taxation much lower than England. One Malayan dollar equals 2s. 4d. Thus a married man with family on basic salary of \$560 would draw equivalent of £1,383 in the first year of service.

Quarters with heavy furniture provided at 8 per cent. of salary, or housing allowance of 12 per cent. in lieu. Initial engagement on three years' agreement. Eight months' leave after four years' service. Free medical attention. Passages paid, including family. Compulsory Provident Fund Contributions of 7½ per cent. salary, plus expatriation allowance and trust donative 7½ per cent. for first 10 years, increasing to 20 per cent. after 20 years' service.

Applications in duplicate, with full personal and technical information, and copies of three testimonials, to Messrs. Peirce & Williams (Agents to the Trust), 1, Victoria Street, London, S.W.1, by Wednesday, 22nd November, 1950. 1140

URBAN DISTRICT OF FELTHAM. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant on the unestablished staff of the Engineer and Surveyor's Department, in Grade V (a), salary £580 per annum, rising to £640 per annum, including London weighting, or Grade VI, salary £625 per annum, rising to £690 per annum, including London "weighting," of the Administrative, Professional and Technical Division of the National Scales. The Grade will depend upon the qualifications and experience of the successful applicant.

Preference will be given to Registered Architects who have had previous experience in the Department of an Engineer and Surveyor to a local authority. The appointment will be subject to (i) the National Scheme of Conditions of Service, (ii) the successful candidate passing a medical examination, and (iii) one month's notice in writing on either side.

Forms of application may be obtained from the undersigned, to whom they should be returned, accompanied by copies of two recent testimonials, not later than 24th November, 1950.

Canvassing will disqualify, and applicants must disclose in writing whether, to their knowledge, they are related to any member of, or the holder of, any senior office under, the Council.

M. W. COUPE,

Clerk of the Council.

Council Offices, Feltham, Middlesex. 1136

BOROUGH OF GOSPORT.

ARCHITECTURAL ASSISTANTS.

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

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

(b) ARCHITECTURAL ASSISTANT. Grade A.P.T., II-IV (£420-£525 per annum), to be graded according to experience.

For post (a) preference will be given to Registered Architects.

For post (b) applicants should have passed the Intermediate Examination of the R.I.B.A. This post will be on the temporary establishment.

Housing accommodation will be offered to the successful candidate for the Grade A.P.T., V, appointment if required.

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

Applications, endorsed "Architectural Assistant, Grade V," or "Grade II-IV" (as the case may be), giving full particulars, including age, qualifications, experience, and accompanied by copies of two recent testimonials, should be forwarded to the undersigned, to arrive not later than first post Monday, 20th November, 1950.

EDWARD ADDENBROOKE,

Town Clerk.

Town Hall, Gosport. 1137

BEDFORDSHIRE COUNTY COUNCIL.

Applications are invited for the unestablished appointment on the established staff of the County Architect:—

CHIEF QUANTITY SURVEYOR. A.P.T., Grade VIII, £685-£760 per annum.

Applicants should be experienced in the preparation of Bills of Quantities, Specifications, detailed approximate estimates, valuation and measurement for Interim Certificates and settlement of final accounts.

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

Married Officers who are living in the district but are maintaining their families in another home away from Bedford may claim a special allowance of 25s. per week until they can obtain accommodation.

Application forms can be obtained from the undersigned, and must be returned not later than 23rd November, 1950.

J. B. GRAHAM,

Clerk of the County Council.

Shire Hall, Bedford. 1139

October, 1950.

HARLOW DEVELOPMENT CORPORATION.

Applications are invited for the post of CLERK OF WORKS in the Department of the Architect-Planner (Frederick Gibberd, F.R.I.B.A., M.T.P.I.). Candidates must be experienced in the supervision of housing and industrial contracts.

The appointment will be in the Corporation's salary scale, £450-£25 to £550 per annum, dependent upon qualifications and experience. It will also be subject to the Corporation's Staff Rules and Conditions of Service (which are similar to the National Joint Council's Conditions of Service for Local Authorities' Administrative, etc., Staffs, and will in particular involve a contribution to a Superannuation Fund either in accordance with the Local Government Superannuation Act, 1937, or an Assurance Scheme. The Corporation may be prepared to assist the successful candidate in obtaining housing accommodation in due course.

Applications, giving full details and names of two referees, should be addressed to the undersigned, to reach him within seven days of the publication of this advertisement.

W. ERIC ADAMS,

General Manager.

"Terlings," Gilston, Harlow, Essex. 1130

BOROUGH OF CAMBRIDGE. APPOINTMENT OF ARCHITECTURAL ASSISTANT (HOUSING).

Applications are invited for:—
ONE ARCHITECTURAL ASSISTANT for Housing Work (Grade A.P.T., III, £450-£495). The appointment will be subject to the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass medical examination. The post is terminable by one month's notice on either side.

The Council will be prepared to consider providing housing accommodation for the successful candidate.

Forms of application may be obtained from T. V. Burrows, Borough Surveyor, Guildhall, Cambridge, and should be returned to him by 22nd November, 1950.

ALAN H. I. SWIFT,
Town Clerk.
1127

The Guildhall, Cambridge.

MINISTRY OF WORKS.

There are vacancies in the Chief Architect's Division for **ARCHITECTURAL ASSISTANTS** and **LEADING ARCHITECTURAL ASSISTANTS** with recognised training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic energy and other Research Establishments, Telephone Exchanges, and Housing.

Salary: Architectural Assistants, £300-£525 per annum; Leading Architectural Assistants, £500-£625 per annum. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a small deduction is made in the Provinces.

Although these are not established posts, some of them have long term possibilities, and competitions are held periodically to fill established vacancies.

Apply in writing, stating age, nationality, full details of experience and locality preferred, to Chief Architect, W.G.10/BC, Ministry of Works, Abell House, London, S.W.1, quoting reference W.G. 10/BC. 4826

BOROUGH OF CAMBRIDGE. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for:—
TWO experienced ARCHITECTS, for Schools and General Architectural Work (Grade A.P.T., VII, £653-£710).

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

No housing accommodation can be provided by the Council for either of these appointments. Forms of application may be obtained from T. V. Burrows, Borough Surveyor, Guildhall, Cambridge, and should be returned to him by 22nd November, 1950.

ALAN H. I. SWIFT,
Town Clerk.
1126

The Guildhall, Cambridge.

COUNTY BOROUGH OF WOLVERHAMPTON. ARCHITECTURAL ASSISTANT (GRADE III OR IV, A.P.T.).

Applications are invited for the appointment of an Architectural Assistant. Salary A.P.T. Division, Grade III (£450-£515 to £495) per annum, or Grade IV (£480-£515 to £525) per annum—on the staff of the Borough Engineer's Department.

The appointment will be made on the grade appropriate to the successful applicant's qualifications and experience.

The appointment, terminable by one month's notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate 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 all details of experience, together with copies of three recent testimonials, should be delivered to the undersigned not later than Wednesday, 22nd November, in an envelope endorsed "Architectural Assistant."

J. BROCK ALLON,
Town Clerk.
1125

Town Hall, Wolverhampton.
October, 1950.

CITY OF CARDIFF. CITY SURVEYOR'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANTS (EDUCATION).

Applications are invited for the following appointments:—

- (a) **ARCHITECTURAL ASSISTANT** (Education). A.P.T. Grade V (£480-£525 per annum).
- (b) **ARCHITECTURAL ASSISTANT** (Education). A.P.T. Grade I-II (£390-£465 per annum).
- (c) **ARCHITECTURAL ASSISTANT** (Education). Misc. Grade I (£315-£360 per annum).

Details of Conditions and Duties may be obtained from the City Surveyor, City Hall, Cardiff.

Applications, endorsed "Architectural Assistant, Grade —", as the case may be, should be delivered to the undersigned not later than 14 days after the appearance of this advertisement.

S. TAPPER-JONES,
Town Clerk.
1015

City Hall, Cardiff.
11th October 1950.

SOMERSET COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.
Applications are invited for the appointment of a **SENIOR PLANNING ASSISTANT (ARCHITECTURAL)**. The salary will be in A.P.T., Grade Va (£550-£610 p.a.).

The successful candidate will be required to provide a car for the performance of his duties, for which an allowance will be made.

Candidates must (a) have a recognised qualification, and preference will be given to those holding A.R.I.B.A. or A.M.T.P.I.; (b) have had experience in a Planning Department.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937. Forms of application, obtainable from the undersigned, must be completed and returned not later than 14th November, 1950.

R. W. DALE,
County Planning Officer.
1124

41, Upper High Street, Taunton.

BOROUGH OF WORTHING. TOWN PLANNING ASSISTANT.

Applications are invited for the position of a Town Planning Assistant, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade V of the National Joint Council Scale of Salaries (i.e., £520, rising to £570 per annum).

Applicants should preferably be Corporate Members of the Town Planning Institute, and have had previous experience in a similar capacity.

The appointment will be subject to the National Scheme of Conditions of Service of Local Government Officers, to the provisions of the Local Government Superannuation Act, 1937, and to the successful candidate passing satisfactorily a medical examination to be conducted by the Council's Medical Officer of Health.

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

Applications, endorsed "Town Planning Assistant," stating age, qualifications and experience, and accompanied by copies of three recent testimonials, must be delivered to the office of the Borough Engineer and Surveyor, Town Hall, Worthing, not later than the 30th November, 1950.

ERNEST G. TOWNSEND,
Town Clerk.
1123

Town Hall, Worthing.

4th October, 1950.

CITY OF OXFORD EDUCATION COMMITTEE. SCHOOLS OF TECHNOLOGY, ART AND COMMERCE. SCHOOL OF ARCHITECTURE AND BUILDING.

Applications are invited for the post of **FULL-TIME STUDIO INSTRUCTOR AND LECTURER** in Architectural Design.

Applicants should be Associates or Fellows of the R.I.B.A. and preferably hold the Degree or Diploma of a Recognised School. Salary in accordance with the Burnham (Technical) Award.

Forms of application and further particulars may be obtained, on receipt of a stamped addressed foolscap envelope, from the Chief Education Officer, City Education Office, 77, George Street, Oxford, to whom completed forms should be returned not later than two weeks from the date of appearance of this advertisement. 1122

WAR DEPARTMENT.

Applications are invited for the following vacancies in the Fortifications and Works Directorate at Chessington, Surrey:—

(1) **ASSISTANT MECHANICAL ENGINEER** (H. & V.). Applicants should be A.M.I.Mech.E., but those without this qualification who are A.M.I.H. & V.E. will be considered. Must have good practical experience of heating, ventilating and air conditioning installations.

(2) **TECHNICAL ASSISTANTS** (Architectural) (2 vacancies). Should have experience in preparing specifications of architectural projects, examination of applicable British Standard Specifications and Code of Practice, and collation of data and extracts from publications as required by Architects. Applicants should be of Intermediate R.I.C.S. standard.

Candidates for all posts should be under 50 years of age. Salaries for the posts are:—

Post (1): £2448-£2720 per annum.

Post (2): £470-£595 per annum.

Starting salary will be fixed according to age, qualifications and experience. Annual increases are payable, subject to satisfactory service.

The posts are temporary, but have long-term possibilities, and open competitions are held periodically to fill established posts.

The work is varied and interesting and good canteen facilities exist.

Apply in writing only, stating age, nationality and full details of qualifications and experience, to the War Office (C.5(A)), Room 504, Hotel Victoria, Northumberland Avenue, London, W.C.2. 1019

BOROUGH OF DAGENHAM.

ARCHITECTURAL ASSISTANT, GRADE I.

Applications are invited for the post of Architectural Assistant, Grade A.P.T., I, viz., £390 to £435 p.a., plus London weighting (i.e., £20 p.a. at age 21-25 years). Preference will be given to students of the R.I.B.A. Form of application, and further details of the post, are obtainable from the Borough Engineer and Surveyor. Closing date, 18th November, 1950. Canvassing disqualifies. The Council are unable to provide housing accommodation.

KEITH LAUDER,
Town Clerk.
1132

Civic Centre, Dagenham.

UNIVERSITY OF EDINBURGH.

ASSISTANT required in Works Department Drawing Office. Applicants should have experience in preparing drawings for all types of building work, particularly alterations to large buildings. Preference will be given to those with experience as Architectural Draughtsmen. Commencing salary between £325 and £450, according to age and experience. Appointment is superannuable. Applications in writing to The Secretary to the University, Old College, South Bridge, Edinburgh. 1008

STAFFORDSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL STAFF.

Vacancies exist on the permanent staff for experienced and capable **ARCHITECTURAL ASSISTANTS**, some with special knowledge of housing, at salaries ranging according to grading from £595 per annum to £750 per annum.

A temporary lodging allowance of £1 5s. per week is also payable for a period not exceeding six months, plus third-class return fare home every two months to newly appointed married staff whose homes are outside this geographical County and who are unable to secure housing accommodation.

The appointments will be subject to the scheme and conditions of service of the National Joint Council and to the provisions of the Local Government Superannuation Act, 1937.

Applications, giving full details of experience, qualifications, age, etc., together with copies of three recent testimonials, should be received by the County Architect, Martin Street, Stafford, within 14 days of the appearance of this advertisement.

Applicants must disclose whether or not they are related to any member or senior officer of the Council.

T. H. EVANS,
Clerk of the County Council.
County Buildings, Stafford.
4th October, 1950. 1007

HIS MAJESTY'S COLONIAL SERVICE—HONG KONG.

A vacancy exists for an **ARCHITECT** in the Public Works Department, Hong Kong, on a salary scale of \$1,047 to \$1,820 per month (equivalent to £785-£1,365 per annum). The duties will include the preparation of designs for and erection of Government buildings.

A cost-of-living allowance is payable varying from \$566 per month for a single officer to \$610 per month for a married officer with children. Appointment will be on agreement for three years, and free passages are provided for an officer, his wife, and up to three children on appointment and on satisfactory completion of his agreement. He may be required to travel by air on duty. Quarters are provided at just over one-ninth of the salary advertised. Educational facilities are available up to secondary school standard. One day's leave is granted for every 12 days' residence.

Candidates, preferably between the ages of 21 and 35, should hold the qualification of A.R.I.B.A., and should have at least 5 years' practical experience. The agreement may be followed by an offer of permanent employment.

Candidates should write for a form of application, stating age, qualifications and experience, to the Director of Recruitment (Colonial Service), Colonial Office, Buildings, Great Smith Street, London, S.W.1. Please mention this paper in your reply and quote No. 27301/37. 1009

HIS MAJESTY'S COLONIAL SERVICE. ADEN.

A vacancy exists for an **ASSISTANT ARCHITECT** in Aden in the scale £650-£1,350 per annum, the point of entry to be determined by age, qualifications and approved War service. Appointment is on contract/gratuity terms for three years, and might be renewed.

Free passages are provided for an officer, his wife, and up to four children. Partly furnished quarters will be provided, if available, at a rent not exceeding 10 per cent. of salary. Leave will be granted on full salary after a tour of 18 to 24 months at the rate of one week per month of resident service. Income tax is at a low rate.

Candidates must be Registered Architects, able to undertake works from scale plans to completion; and should write to the Director of Recruitment (Colonial Service), Colonial Office, Buildings, Great Smith Street, London, S.W.1, for a form of application, giving details of age, qualifications and experience. Please mention this paper and quote the reference No. 27301/1. 1022

HAYES AND HARTINGTON URBAN DISTRICT COUNCIL. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the above-mentioned appointment in the Department of the Engineer and Surveyor, at a salary in accordance with A.P.T. Division, Grade IV of the Scale of Salaries (£480-£515 to £525), plus appropriate London "weighting."

Preference will be given to applicants who have passed the Intermediate Examination of the R.I.B.A.

Forms of application, together with further particulars of the appointment, may be obtained from the Engineer and Surveyor, Town Hall, Hayes, Middlesex, to whom completed applications should be returned not later than the 18th November, 1950.

A. E. HIGGINS,
Clerk of the Council.
Town Hall, Hayes, Middx.
2nd November, 1950. 1069

BRACKNELL DEVELOPMENT CORPORATION (Bracknell, Berks.), invites applications for the post of—
CHIEF QUANTITY SURVEYOR.

Salary £1,000×£50—£1,150.
The commencing salary will be fixed at an incremental point within the grade, according to qualifications and experience.

Applicants should be Members of the Royal Institution of Chartered Surveyors and have a wide experience in the preparation of estimates, specifications, bills of quantities, schedules, adjustment of final accounts and cost analyses. The duties will include giving advice on all matters concerning the cost of building works suitable to a New Town of 25,000 population, with particular regard to Housing and Industry.

The successful applicant will work under the direction of E. A. Ferriby, B.Arch., A.R.I.B.A., A.M.T.P.L., Chief Architect to the Corporation. The post will be superannuable under the Local Government Superannuation Act, 1937, and the appointment will be subject to passing a medical examination.

Applications, giving full particulars of the candidate's age, qualifications and experience, together with the names of two persons to whom reference can be made, must reach the General Manager, Bracknell Development Corporation, Farley Hall, Binfield, Bracknell, Berks., on or before 25th November, 1950, marked "Chief Quantity Surveyor." 1131

WAR DEPARTMENT.

Applications are invited for the following vacancy (a second vacancy is a possibility in the near future), in the Fortification and Works Directorate, at Chessington, Surrey:—

ASSISTANT CIVIL ENGINEER. Must be a Corporate Member of Institution of Civil or Structural Engineers, have specialised experience in design and construction of steel-framed buildings, and must be fully conversant with B.S.449 (1948) and British Standard Codes of Practice for steelwork design. A knowledge of reinforced concrete construction would be an advantage.

Applicants should be under 50 years of age. Salary for the post is on the range £448-£720 per annum. Starting salary will be fixed according to age, qualifications and experience. Annual increases are payable subject to satisfactory service.

The post is temporary but has long-term possibilities, and Open Competitions are held periodically to fill established posts. The work is varied and interesting, and good canteen facilities exist.

Apply, in writing only, stating age, nationality, and full details of qualifications and experience, to the War Office (C.5 (A)), Room 504, Hotel Victoria, Northumberland Avenue, W.C.2. 1129

BOROUGH OF LEYTON.

APPOINTMENT OF TWO ARCHITECTURAL ASSISTANTS.
Applications are invited for the following permanent appointments:—

GENERAL ARCHITECTURAL ASSISTANT, Grade VII.
At a salary of £635-£710 per annum. Candidates must be Registered Architects and should be Members of the R.I.B.A.

GENERAL ARCHITECTURAL ASSISTANT, Grade IV.
At a salary of £480-£525 per annum. Candidates should have passed the R.I.B.A. Intermediate Examination.

The above salaries are plus London weighting. Candidates need not have had previous Local Government experience, but some knowledge of post-war housing is desirable.

Canvassing will be a disqualification, and candidates must disclose in their applications whether they are related to any member or senior Officer(s) of the Council.

Applications, stating age, details of qualifications and experience, together with copies of three recent testimonials, are to be delivered to the Borough Engineer and Surveyor, Town Hall, Leyton, E.10, not later than Saturday, 25th November, 1950, in a sealed envelope endorsed "Architectural Assistant."

D. J. OSBORNE.

Town Clerk.

Town Hall, Leyton, E.10. 1128

HIS MAJESTY'S COLONIAL SERVICE.

There are a few vacancies for ARCHITECTS in the Public Works Department, Nigeria. The appointments are on contract at a salary of up to £1,450 per annum, according to qualifications, experience and war service. Candidates should possess the professional qualifications, and preference will be given to those having experience in the design of modern school and hospital buildings. A cost-of-living allowance ranging from £60 to £110 per annum is payable in addition.

The terms of service include an outfit allowance of £60 on first appointment, free first-class passages once each way each tour for the officer and, if married, for his wife and up to two children, free medical attention, and home leave on full pay at the rate of 7 days for each month of resident service. Furnished quarters are provided at a rent ranging from £75 to £150 per annum is charged. Income tax is payable at low West African rates only. A gratuity of £25 for each period of three months' service is payable on satisfactory completion of the contract.

Applicants should write at once to the Director of Recruitment, Sanctuary Buildings, Great Smith Street, S.W.1, stating age, professional qualifications and experience, and quoting the reference No. 27301/38. 1013

METROPOLITAN BOROUGH OF HAMPSHIRE.
APPOINTMENT OF TECHNICAL OFFICER (MAINTENANCE).

Applications are invited for the permanent appointment of a Technical Officer (Maintenance) on the Housing Architect's Staff in the Borough Engineer's Department; Grade V of A.P.T. Division (£520-£570 per annum), plus London area weighting of £30 per annum.

Candidates for the appointment should have a good knowledge of all aspects of building work, be able to prepare specifications, estimates and reports for all maintenance works to requisitioned and Council dwellings, and be able to supervise works in progress and certify final accounts, and should have ability to supervise assistant technical staff. Preference will be given to members of a professional Institution.

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

Applications, giving details as follows:—(a) Age; (b) qualifications; (c) present and past appointments; (d) particulars of training and experience, and accompanied by three recent testimonials, must be delivered to me in a sealed envelope endorsed "Technical Officer (Maintenance)," not later than Monday, 20th November, 1950.

Applicants must disclose in writing whether they are, to their knowledge, related to any member or senior officer of the Council.

The Council are unable to provide housing accommodation.

Canvassing will disqualify.

P. H. HARROLD.

Town Clerk.

Town Hall, Havestock Hill, N.W.3. 1028

COUNTY BOROUGH OF WALSALL.
PUBLIC WORKS DEPARTMENT.

Applications are invited for the appointment of ASSISTANT ARCHITECT, in Grade V of the Administrative, Professional, and Technical Division of the National Joint Council's Scale of Salaries (£520-£570).

Applicants must have had general architectural experience, especially in connection with Housing and Schools, and preference will be given to Members of the Royal Institute of British Architects.

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

Applications, giving age, details of qualifications and experience, together with copies of three recent testimonials, should be received by the undersigned not later than Friday, 17th November, 1950.

M. E. HABERSHON.

Borough Engineer and Surveyor.

Council House, Walsall. 1029

26th October, 1950.

DR. BARNARDO'S HOMES

invite applications for the appointment of an ASSISTANT ARCHITECT on the Staff of the Chief Architect and Surveyor, at a commencing salary of £450 p.a., plus £91 10s. p.a. cost-of-living bonus. Superannuation is non-contributory, and free lunches are provided. Applicants should be Registered Architects and experienced in the alteration and adaptation of existing buildings.

The Association's Homes are situated in all parts of the British Isles, and applicants must be prepared to travel when need arises. Ability to drive a car is desirable.

Applications, stating age, details of training, qualifications, experience and previous appointments, together with the names of two referees, should be forwarded to the Chief Architect and Surveyor, Dr. Barnardo's Homes, 18/26, Stepney Causeway, London, E.1, not later than 20th November, 1950. 1068

CITY OF SALFORD.

The Council invite applications for the following appointments on the Permanent Staff of the City Engineer and Surveyor's Department:—

TWO ARCHITECTURAL ASSISTANTS.
Grades V and VI (£520-£570) (£595-£660).
FOUR ENGINEERING ASSISTANTS. Grades III to VI (£450-£495) (£480-£525) (£520-£570) (£595-£660).

TWO TOWN PLANNING ASSISTANTS.
Grades V and VI (£520-£570) (£595-£660), and appointments will be made within the above-mentioned Grades, according to qualifications and experience. (The above salary Grades are at present under review.)

The appointments will be subject to (1) the provisions of the Local Government Superannuation Act, 1937;

(2) the passing of a medical examination;
(3) the Standing Orders of the Council;
(4) the Conditions of Service of the National Joint Council.

Applications, stating age, qualifications and experience, together with particulars of past and present employment—accompanied by copies of two recent testimonials—should be forwarded in envelopes endorsed clearly as to the appointment for which application is submitted, addressed to the City Engineer, Town Hall, Salford, 3, Lancs., so as to be received not later than Thursday, 30th November. 1141

H. H. TOMSON.

Town Clerk.

CROWN AGENTS FOR THE COLONIES.

QUANTITY SURVEYOR (TEMPORARY) required by the Nyasaland Government for one tour of 2 to 3 years. Fixed salary according to qualifications and experience between £800 and £900 a year, plus cost-of-living allowance up to £113 a year, according to salary and dependents. Outfit allowance £30. Gratuity equal to 10 per cent. of total salary drawn, payable on satisfactory completion of service. Free passages. Liberal leave on full salary. Candidates preferably Associates of the Royal Institution of Chartered Surveyors and SINGLE should have had experience in a Quantity Surveyor's office in taking off and working up Bills of Quantities, preparing certificates for interim payments and settlement of contracts accounts for lump sum and prime cost contracts. Apply at once by letter, stating age, full names in block letters, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/26627/3A, on both letter and envelope. The Crown Agents cannot undertake to acknowledge all applications, and will communicate only with applicants selected for further consideration. 1040

WILTSHIRE COUNTY COUNCIL.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

The County Council invite applications for the following posts in the County Architect's Department:—

(a) ARCHITECTURAL ASSISTANT (three vacancies). Grade A.P.T., VI, VII or VIII.

(b) ARCHITECTURAL ASSISTANT (three vacancies). Grade A.P.T., III.

For posts (a) the Associateship R.I.B.A. or equivalent qualification must be held, and for posts (b) the Intermediate Examination of the R.I.B.A. or equivalent qualification. The appointments are superannuable, subject to medical examination, and terminable by one month's notice on either side.

Canvassing disqualifies. Further particulars and forms of application may be obtained from the County Architect, County Hall, Trowbridge. Completed applications should be forwarded to the undersigned not later than the 23rd November, 1950.

P. A. SELBORNE STRINGER.

Clerk of the County Council.

County Hall, Trowbridge. 1030

DENBIGHSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

The above County Council invites applications for the under-mentioned appointments in the County Architect's Department, Wrexham, viz.:—

(a) ONE ASSISTANT ARCHITECT. A.P.T. Division, Grade VI. Salary £595-£660 per annum. Preference will be given to Associates of R.I.B.A. Applicants must have had a thorough training in Architectural design and construction of Modern School Buildings, and other works carried out by Local Authorities.

(b) ONE ASSISTANT ARCHITECT. A.P.T. Division, Grade V. Salary £520-£570 per annum. Preference will be given to Members of R.I.B.A. or Registered Architects. Applicants must have had sound experience in Architectural design and in the preparation of working drawings, with full understanding of Modern School construction.

(c) TWO JUNIOR ASSISTANT ARCHITECTS. A.P.T. Division, Grade III. Salary £450-£495 per annum.

Preference will be given to applicants who have passed the Intermediate R.I.B.A. examination. Applicants must be capable of preparing working drawings and details for modern buildings.

(d) ONE JUNIOR ASSISTANT ARCHITECT. A.P.T. Division, Grade II. Salary £420-£465 per annum.

Preference will be given to applicants who are preparing for the Intermediate R.I.B.A. Examination. Applicants must be capable of preparing working drawings and details.

(e) ONE SPECIFICATION WRITER. A.P.T. Division, Grade IV. Salary £480-£525 per annum.

Applicants for post (e) must have had Architectural and Quantity Surveying experience, and possess a thorough knowledge of current Building Practice and Materials. They must be fully capable of preparing detailed Specifications for Building and Painting Works of all descriptions in connection with County Council properties, and be able to prepare enquiries and deal with Provisional Sum Items in connection with new building projects. The successful applicants will also be required to assist generally in the Quantity Surveyor's Department.

The appointments will be subject to termination of one month's notice in writing on either side, to expire at the end of a calendar month, and also to the provisions of Local Government Superannuation Act, 1937. The successful applicants will be required to pass a medical examination and to reside in such place in the County as the County Council may direct.

Applications, giving age, qualifications and particulars of present and previous appointments, and accompanied by copies of three recent testimonials, to be sent to the undersigned not later than the 30th day of November, 1950.

W. E. BUFTON.

Clerk of the County Council.

County Offices, Ruthin.

11th October, 1950. 1138

SOUTH-EASTERN REGIONAL HOSPITAL BOARD, SCOTLAND.

Applications are invited for the superannuable appointment of **CHIEF REGIONAL ENGINEER** at a salary scale of £1,350 by £50 to £1,550 per annum.

Applicants must be engineers of professional standing, and preferably should be Corporate Members of either the Institute of Civil Engineers, the Institute of Mechanical Engineers, or the Institute of Electrical Engineers, with wide experience of all branches of engineering design and operation.

Applications, giving full particulars of qualifications and experience, together with the names and addresses of three referees, should be forwarded to the Secretary to the South-Eastern Regional Hospital Board, Scotland, 11, Brums-hough Gardens, Edinburgh, 3, not later than 30th November, 1950. 1066

THE UNIVERSITY OF MANCHESTER.

Applications are invited for the post of **ASSISTANT LECTURER** in the History of Art. Salary scale £450 to £500 per annum, with membership of the F.S.S.U. and Children's Allowance Scheme. Applications should be sent not later than 22nd December, 1950, to the Registrar, the University, Manchester, 13, from whom further particulars and forms of application may be obtained. 1151

SOUTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD.

ASSISTANT QUANTITY SURVEYOR.

Applications are invited for the above post in A.P.T. Va. Salary, £550-£610 a year, plus London weighting allowance of £20 or £30 a year, according to age.

Candidates should hold the Final Examination (Quantities Sub-section) of one of the recognised professional institutes, be experienced in preparation of Bills of Quantity, specifications, final accounts and estimating, etc.

The post is superannuable under the National Health Service (Superannuation) Regulations, 1950.

Applications, stating age, present salary, education and experience, and the name and addresses of two referees, should reach the Secretary, South-East Metropolitan Regional Hospital Board, 11, Portland Place, W.1, not later than 22nd November, 1950. 1120

Competition

6 lines or under, 12s. 6d.; each additional line, 2s. **FESTIVAL OF BRITAIN, 1951: NORTHERN IRELAND.**

ARCHITECTURAL COMPETITIONS.

The Royal Society of Ulster Architects, in association with the Council for the Encouragement of Music and the Arts (Northern Ireland), invite Architects or Students in the undernoted categories to submit designs in competition for:—

(a) A **SEASIDE HOTEL**. Premiums: £200, £100, £50.

(b) A **RECREATION CENTRE**. Premiums: £100, £50, £25.

Assessor: **DESMOND FITZGERALD, B.Arch., M.R.I.A.I., A.R.I.B.A., A.M.T.P.I.**

Last date for submitting designs: 31st March, 1951.

Entry is restricted to persons born or normally resident in Northern Ireland who possess one or more of the following qualifications:

(a) Member, Associate or Student of the Royal Society of Ulster Architects.

(b) Fellow, Associate, Licentiate or Student of the Royal Institute of British Architects.

(c) Member of any Society allied to the Royal Institute of British Architects.

(d) Fellow, Member or Student of the Royal Institute of the Architects of Ireland.

(e) Name upon the Statutory Register of the Architects' Registration Council of the United Kingdom.

Although it is unlikely that these subjects shall be built they have been carefully selected to meet a known need. One or several of the designs shall be displayed in an important public exhibition of architecture to be held in Belfast as part of the Festival of Britain activities.

Separate schedules of conditions are available in respect of each competition, and these may be had on application to the Hon. Secretary, Royal Society of Ulster Architects, 7, College Square North, Belfast, enclosing a deposit of £1 is, in respect of each schedule of conditions required. The deposit will be returnable upon receipt of a *bona fide* design or on the return of the schedule of conditions before 31st December, 1950. 1010

Tenders for Contracts

6 lines or under, 12s. 6d.; each additional line, 2s. **COUNTY BOROUGH OF BIRKENHEAD.**

WATCH COMMITTEE.

NEW POLICE HEADQUARTERS.

Tenders are invited for the erection of new Police Headquarters, Birkenhead.

Forms of Tender, Bills of Quantities and General Conditions may be obtained on or after 1st November, 1950, from the Architects' Messrs. Willink & Dod, Cunard Building, Liverpool, 3, on payment of a deposit of two guineas, which will be returned on receipt of a *bona fide* Tender. Drawings may be inspected at the Architects' office.

Tenders must be sent in the official envelope provided (which must not bear any name or mark indicating the sender), sealed and endorsed

"Tender for New Police Headquarters," and received at my office by postal delivery only not later than 10 a.m. on Thursday, the 30th November, 1950.

Tenders delivered by hand will not be accepted, and Tenders which do not comply with these instructions will not be considered.

DONALD P. HEATH,

Town Clerk.

Town Hall, Birkenhead.

26th October, 1950. 1047

OLIVER LYME CHARITY, PRESCOT, LANCASHIRE.

TO BUILDING CONTRACTORS.

The Trustees invite Tenders for the erection of Almshouses, comprising 14 dwellings with large common room grouped together in one structure, in permanent construction complete with carriage-way, paving, boundary walls, etc., to be erected at St. James Road, Prescott.

Application for Bills of Quantities is to be made to the office of the Trustees' Architects, Messrs. Gornall, Kelly & Shelton, 8, Hardshaw Street, St. Helena, not later than the 25th October, 1950, together with a deposit of £2 2s. (two guineas), which will be returned on receipt of a *bona fide* Tender.

The Bills of Quantities will be available on the last day for receiving applications, and Tenders will be required to be delivered to the Trustees on 15th November, 1950.

The Trustees do not bind themselves to accept the lowest or any Tender.

HENRY CROSS & SON,

Solicitors to the Trustees.

2, Derby Street, Prescott.

11th October, 1950. 1048

Partnership

6 lines or under, 12s. 6d.; each additional line, 2s.

CHARTERED ARCHITECT (41), with wide experience in this country and abroad of industrial, commercial, domestic, school and hotel building, with some interesting schemes in hand and good connections, with a staff and good office accommodation in the City, seeks Partnership with busy firm of Architects. Box 1077.

PLANNING OFFICER to County Council seeks Partnership in well established Provincial Architect's Practice in South or West of England. Capital available. Box 1112.

A.R.I.B.A. (1934), general experience, including commercial and L.A. Housing, wishes contact Architects and Surveyors, London or Provinces, with view to rendering assistance, including typing facilities, from own premises, Central London. Partnership agreement preferred, but would consider arrangement annual part-retaining fee, or proportion of fees according circumstances and quantity work involved. Box 979.

ASSOCIATE (38) seeks position in established practice leading to Partnership. Would take over and later buy into practice where principal wishes to retire or semi-retire. West Sussex or Portsmouth area preferred. Excellent administrator, 18 years' experience. Box 989.

MR. L. STUART STANLEY, M.A., F.R.I.B.A., M.T.P.I., offers a Partnership to an Architect interested in correspondence tuition. 15, North Road, N.6. 970

CONSULTING CIVIL ENGINEER (A.M.I.C.E., M.I.Struct.E.), in own practice having a staff of qualified assistants and with own large clientele, wants to enter into working Partnership with Architect's Practice in London. Box 1006.

ASSISTANT ARCHITECT wishes to take Partnership with established progressive firm. Some capital to invest. Box 994.

Architectural Appointments Vacant

4 lines or under, 7s. 6d.; each additional line, 2s.

SENIOR ARCHITECTURAL ASSISTANT required immediately for small West End office. Varied and interesting work, with good prospects. Salary from £600 per annum, according to experience. **R. P. SHARMAN, A.R.I.B.A.**, 55, Queen Anne Street, Cavendish Square, W.1. 1105

ARCHITECTS and ARCHITECTURAL ASSISTANTS required by Architects with considerable hospital, ecclesiastical and general practice, in North Wales office. Initiative and willingness to accept responsibility primary considerations. Apply immediately with particulars, and state starting salary required, to Box 1116.

APPLICATIONS are invited for the following appointments in the office of the Architect, N.E. Region, Civil Engineer's Office, York:—**SENIOR ARCHITECTURAL ASSISTANTS** (2 posts).

Applicants should be Registered Architects and Associates of R.I.B.A. They should be good contemporary designers and able to take responsibility for day-to-day conduct of major contracts. Salary range £600 to £630, according to qualifications and experience. 1133

ARCHITECTURAL ASSISTANT—A vacancy exists for an experienced ASSISTANT of Intermediate standard. Salary according to qualifications and standard. Good prospect for right applicant. Apply in writing, stating age, experience, etc., to **Brian G. Tait, A.R.I.B.A.**, The Quay, Gloucester. 1115

RECKITT & COLMAN, LTD., have a vacancy for an **ARCHITECTURAL ASSISTANT**, who has experience of factory construction and maintenance and of constructional engineering generally. There are good prospects for a man of ability. Applicants should write, giving full particulars of their experience and stating their age, to **Reckitt & Colman, Ltd.**, Engineering Department, Dansom Lane, Hull. 1133A

SLOUGH ESTATES, LTD., require an **ARCHITECTURAL ASSISTANT**, capable of preparing working drawings of factories and estate layouts with a minimum of supervision. Brief particulars please of age, experience and salary required, to the Architect, Slough Estates, Ltd., Trading Estate, Slough, Bucks. 1135

SENIOR ARCHITECTURAL ASSISTANT required for private practice. Must have at least 15 years' experience. Salary £750-£950, according to ability. Write, stating age, qualifications, and salary required, to **Smyth & Dorman, A./A.R.I.B.A.**, 31, College Gardens, Belfast, Northern Ireland. 1099

SENIOR ARCHITECT'S ASSISTANT wanted for Architectural Department of a large multiple firm in Liverpool. State age, experience and salary required. Box 1104.

ARCHITECTURAL ASSISTANT required by Industrial Estate Developers in N.W. London. Experience of factory and office buildings an advantage. Send full details of experience and salary required to Box 964.

LONDON Firm of Architects, with offices in West End, require **SENIOR ASSISTANTS and JUNIOR ASSISTANTS** up to Intermediate standard. The work is of a varied nature. Salary by arrangement. Box 965.

QUALIFIED SENIOR ASSISTANT ARCHITECT required by firm specialising in Store and Exhibition design. Progressive position, good salary. Apply, with full details of experience. Box 967.

S.E. COAST—**SENIOR ASSISTANT**, keen, capable man. Pleasant office. Varied work. Full responsibility. Box 1102.

SENIOR and fully qualified ARCHITECT'S ASSISTANT required for the staff of large multiple company. Must be experienced in general design of new buildings, and be able to take complete control and supervision of same in all parts of the country. Write, stating age, qualifications, present position, past experience, and salary required, to Box 1026.

JUNIOR ARCHITECTURAL ASSISTANT required for work in London office (City). Reply, stating age and experience. Box 966.

ARCHITECTURAL ASSISTANT required for West End office. Salary £650 per annum. Five day week. Apply, giving details of qualifications and experience. Box 963.

ASSISTANTS required in Strand Office, for interesting new architectural and Town Planning work—minimum standard **R.I.B.A./T.P.I.** Intermediate. Good draughtsmanship and previous office experience essential. Five day week. Box 962.

ARCHITECTURAL DRAUGHTSMAN required for design and detailing of factory buildings. Permanent position in small office for reliable man interested in building work. Please send details of experience, age, and qualifications to Group Engineer, Coates Brothers & Co., Ltd., St. Mary Cray, Kent. 1096

WANTED immediately experienced **ASSISTANT ARCHITECT** for General Private Practice in small office in Bloomsbury area. Telephone Chancery 7915 for appointment. 1065

ARCHITECTURAL ASSISTANT required at once in varied practice—working drawings, details, specifications, surveys and supervision. Write, stating age, previous experience and salary required, to **Henry C. Smart & Partners**, 120, Moorgate, E.C.2. 1086

ARCHITECTURAL ASSISTANT of Intermediate standard required for interesting and varied country practice. Applicants are requested to state age, experience and salary required. Apply in writing to **L. Magnus Austin, F.R.I.B.A.**, Bowling Alley Walk, Dorchester. 1099

ARCHITECT required to hold responsible position in the preparation of working drawings for buildings at London Airport. Salary £750, or according to experience. Write to **Frederick Gibberd**, 35, Gordon Square, W.C.1. 1067

TWO SENIOR ARCHITECTURAL ASSISTANTS urgently required for work on new hospital. Apply in writing, stating age, salary, and experience, to **Lanchester & Lodge**, 10, Woburn Square, London, W.C.1. 1088

LIONEL BRETT and KENNETH BOYD urgently require **ASSISTANTS**, preferably Intermediate standard, for work on housing in Hatfield New Town. Apply New Town House, Hatfield. Telephone Hatfield 3021. 1093

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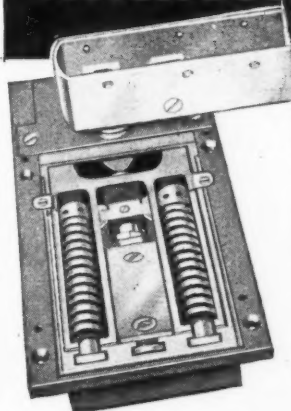
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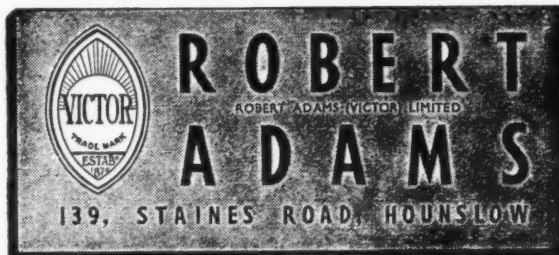


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