

THE ARCHITECTS' JOURNAL



Standard contents

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

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

IEE	Institution of Electrical Engineers.	Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society.	32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers.	17, Grosvenor Crescent, S.W.1.	Sloane 8266
IHVE	Institution of Heating and Ventilating Engineers.	75, Eaton Place, S.W.1.	Sloane 3158
IIBD	Incorporated Institute of British Decorators.	Drayton House, Gordon Street, W.C.1.	Euston 2450
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
IR	Institute of Refrigeration.	Empire House, St. Martin's-le-Grand, E.C.1.	Monarch 7391
IRA	Institute of Registered Architects.	47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers.	11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
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
LMBA	London Master Builders' Association.	47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM).	34, Gordon Square, W.C.1.	Euston 2158-9
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.	St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply.	Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport.	Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning.	32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works.	Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council.	94, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters.	9, Victoria Street, S.W.1.	Abbey 5277/8
NBR	National Buildings Record.	37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers.	2, Caxton Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers.	82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives,	Federal House, Cedars Road, Clapham, S.W.4.	Macaulay 4451
NFHS	National Federation of Housing Societies.	13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NHBRC	National House Builders Registration Council.	82, New Cavendish Street, W.1.	Langham 4041
NPL	National Physical Laboratory.	Head Office, Teddington.	Molesey 1380
NSAS	National Smoke Abatement Society.	Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty.	42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning.	16, Queen Anne's Gate, S.W.1.	Whitehall 7245
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 5721/7
RICS	Royal Institution of Chartered Surveyors.	12, Great George St., S.W.1.	Whitehall 5322
RFAC	Royal Fine Art Commission.	22A, Queen Anne's Gate, S.W.1.	Whitehall 3935
RS	Royal Society.	Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts.	6, John Adam Street, W.C.2.	Temple Bar 8274
RST	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 2186-8
SCR	Society for Cultural Relations with the USSR.	14, Kensington Square, London, W.8.	Western 1571
SE	Society of Engineers.	17, Victoria Street, Westminster, S.W.1.	Abbey 7244
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.	Langham 1984-5
SNHTPC	Scottish National Housing & Town Planning Council.	Hon. Sec., Robert Pollock, Town Clerk, Rutherglen.	
SPAB	Society for the Protection of Ancient Buildings.	55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association.	28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association.	75, Cannon Street, E.C.4.	City 4771 (6 lines)
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.	81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission.	Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association.	61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association.	Lincoln House, Turl Street, Oxford	Oxford 47988

No. 2890]

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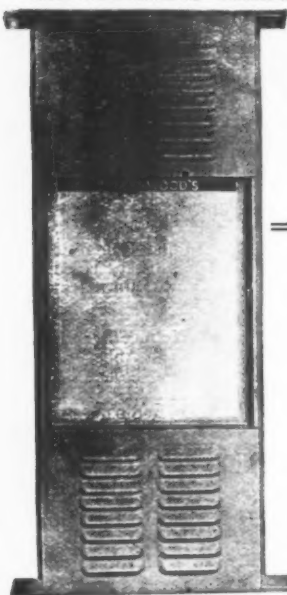
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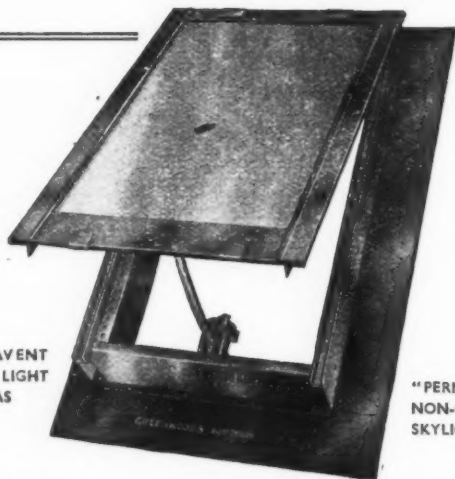
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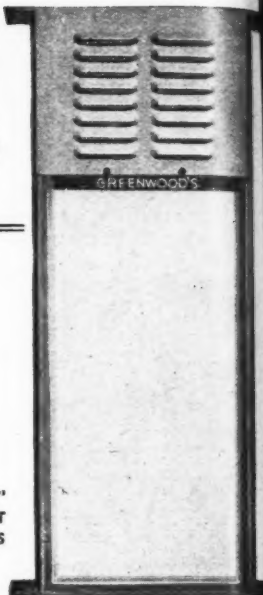


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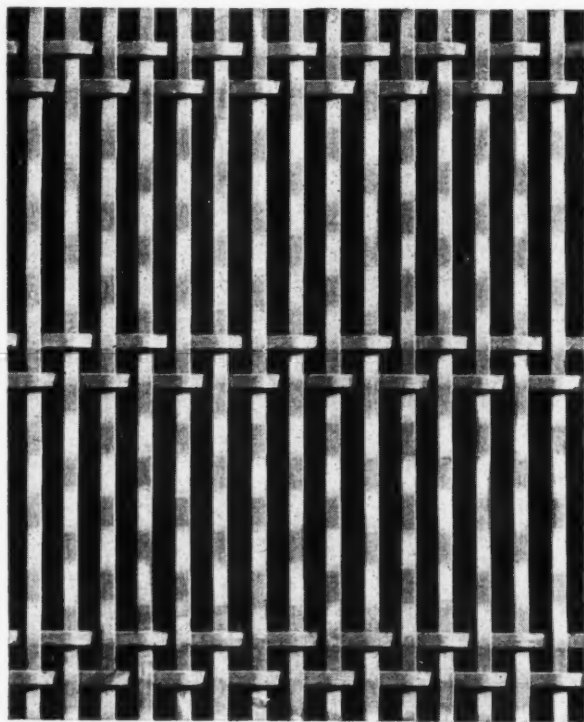
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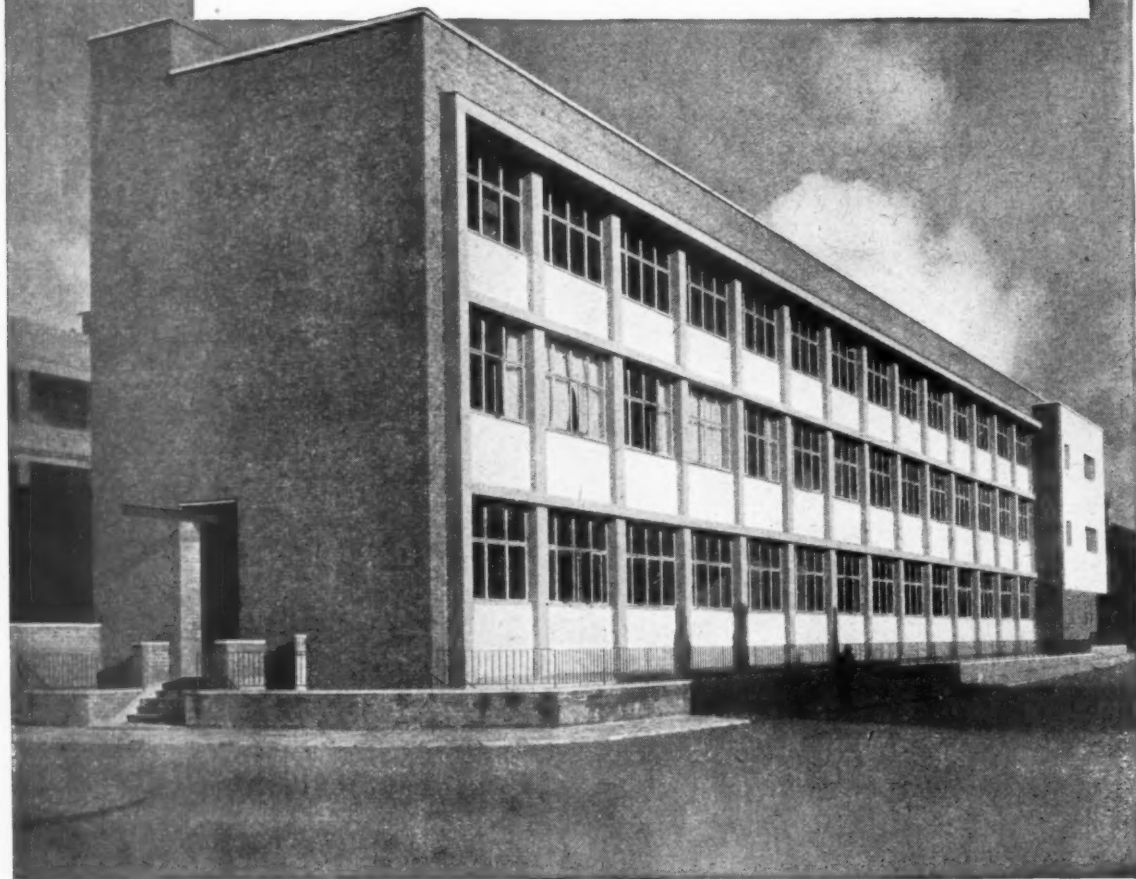
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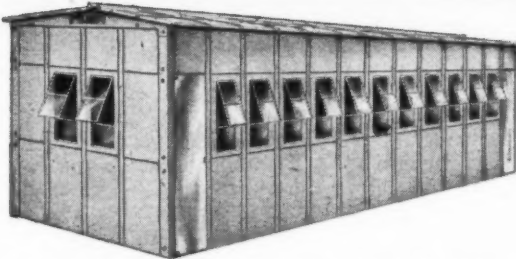


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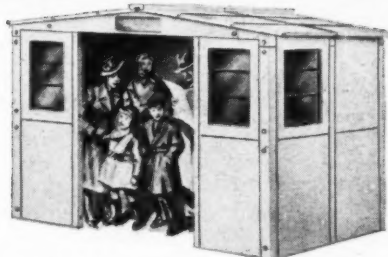
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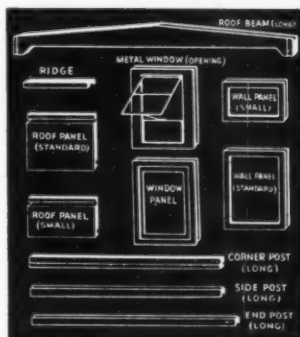


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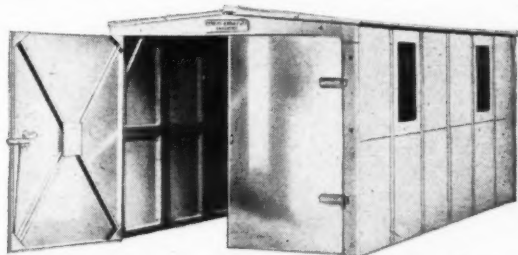
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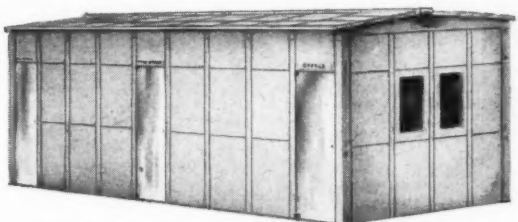
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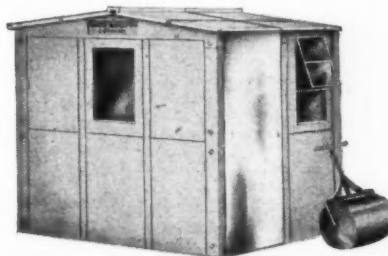
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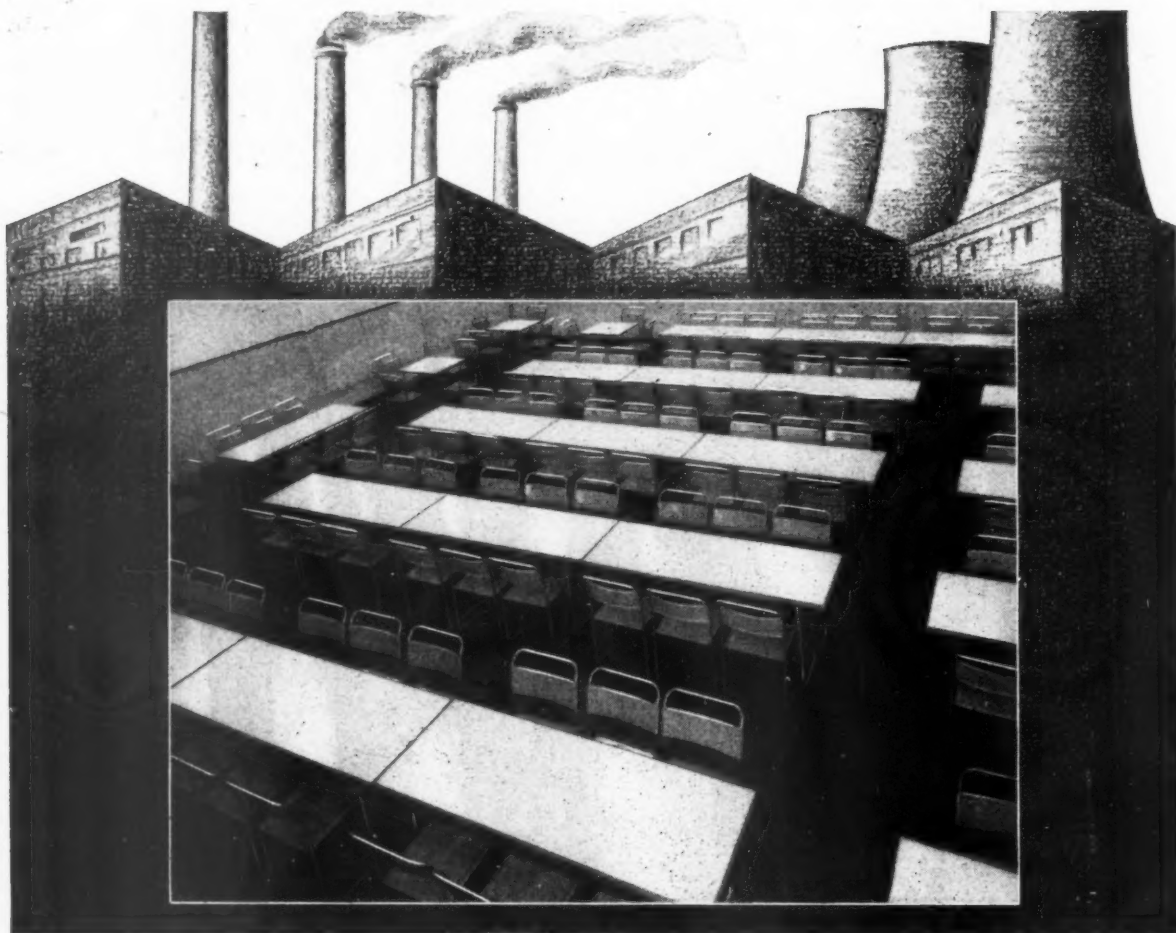
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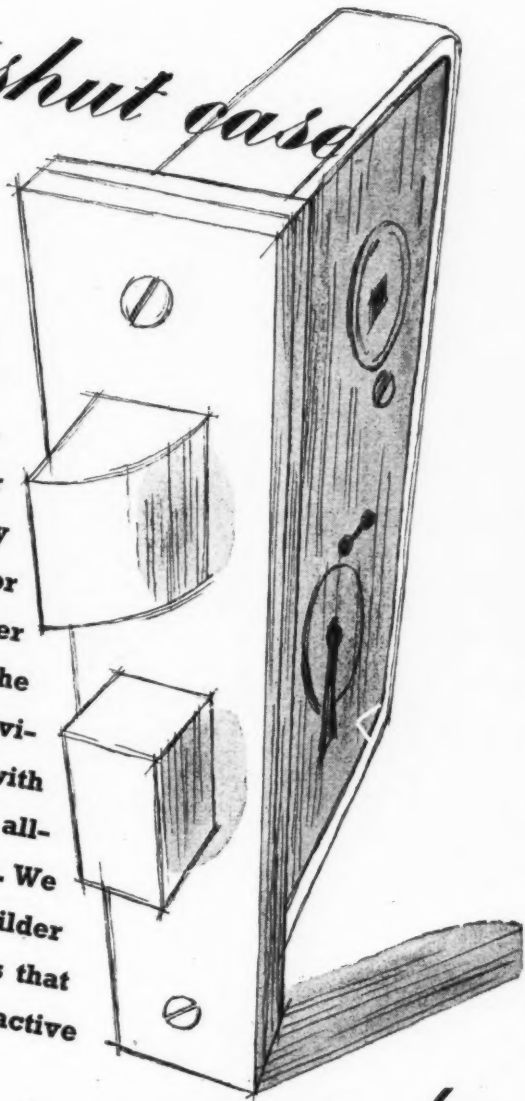
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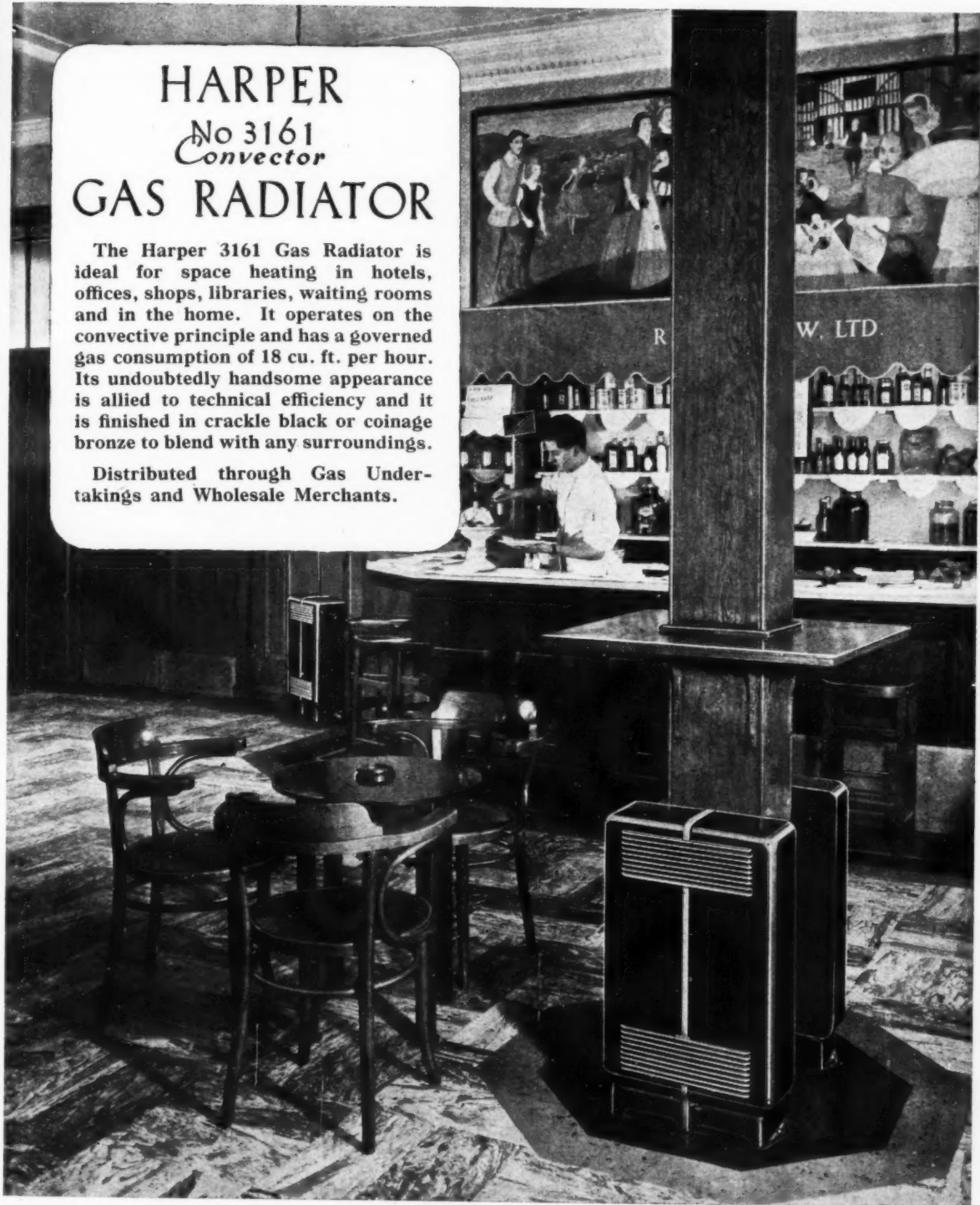
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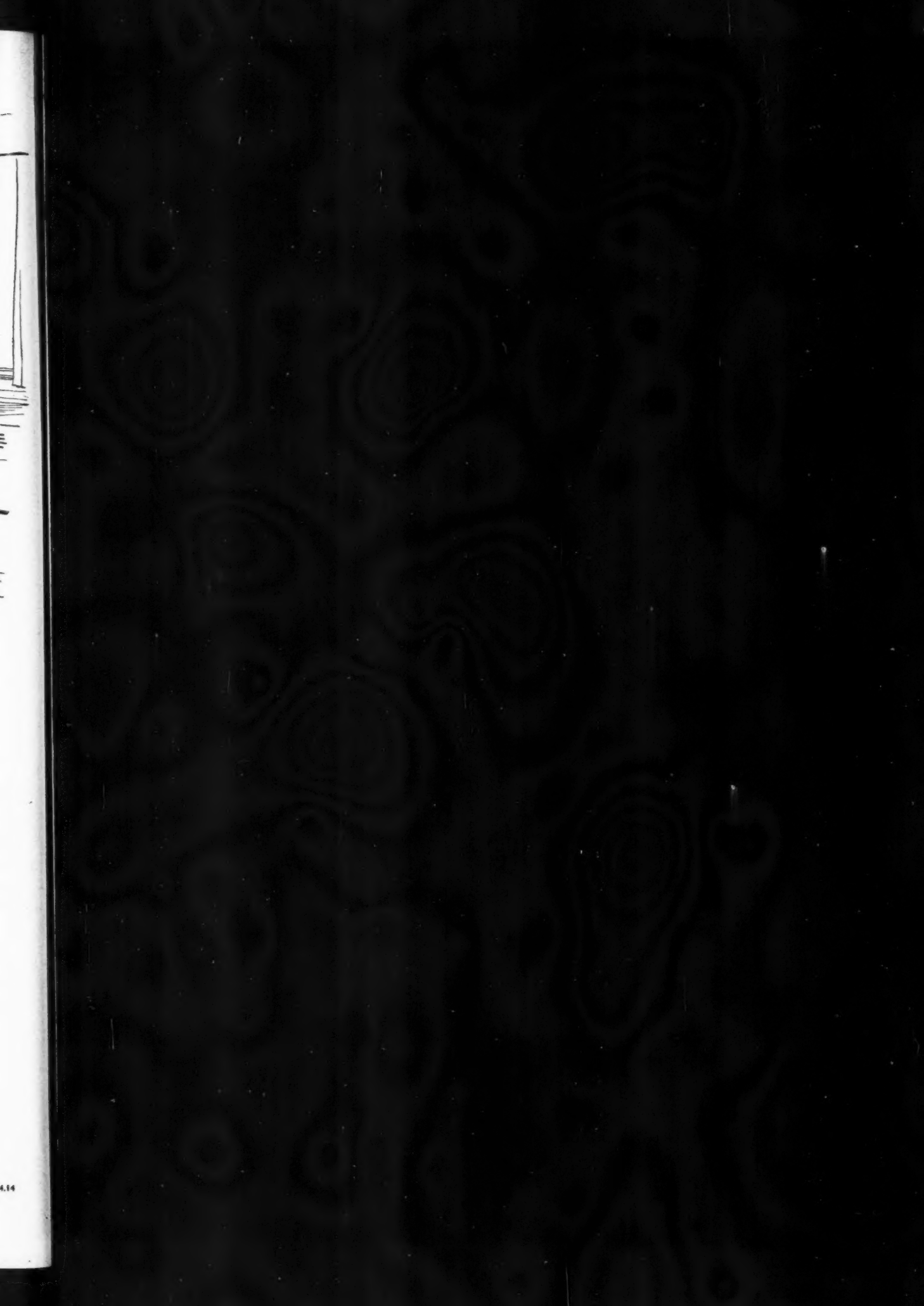
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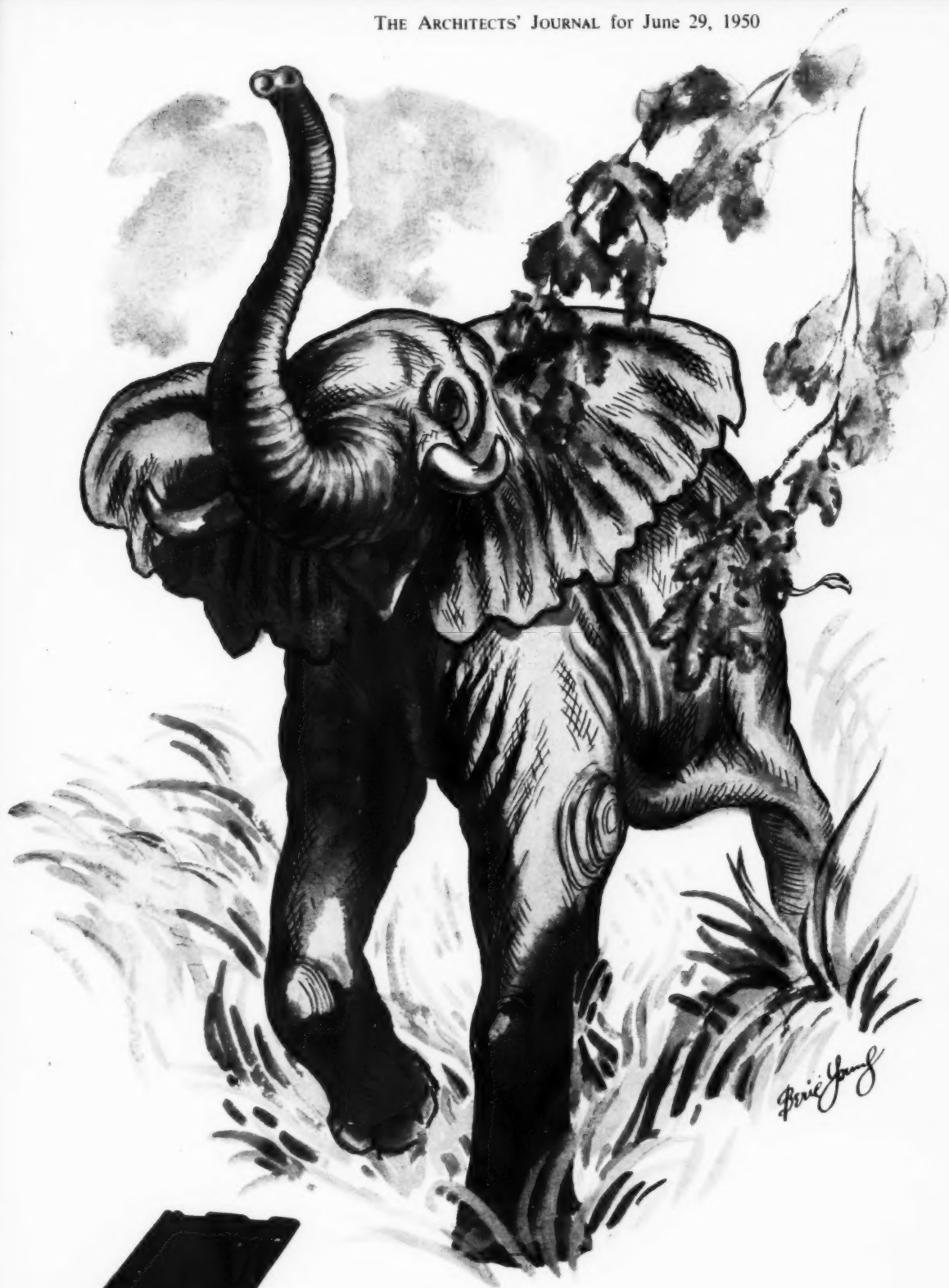
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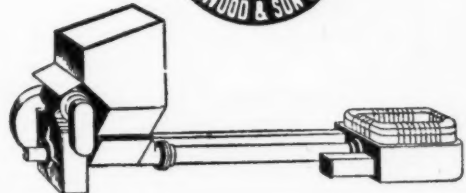
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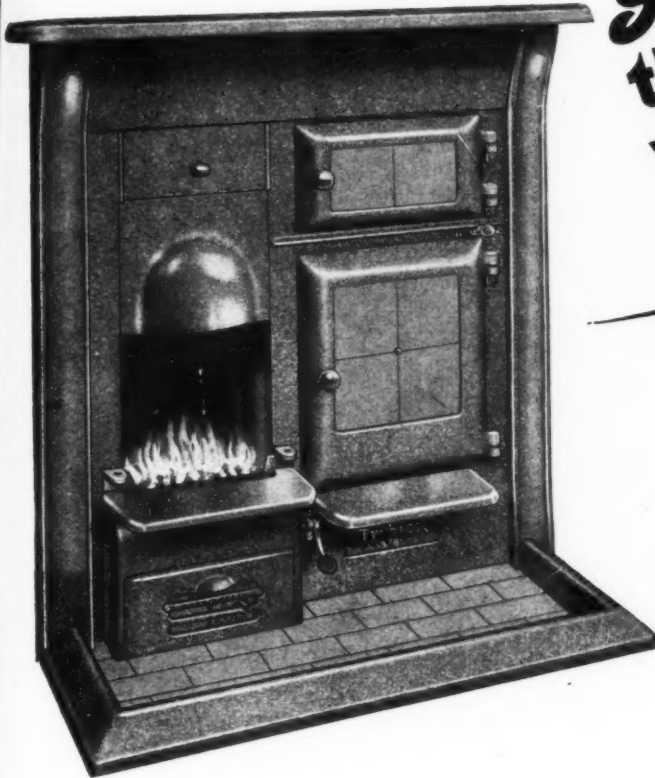


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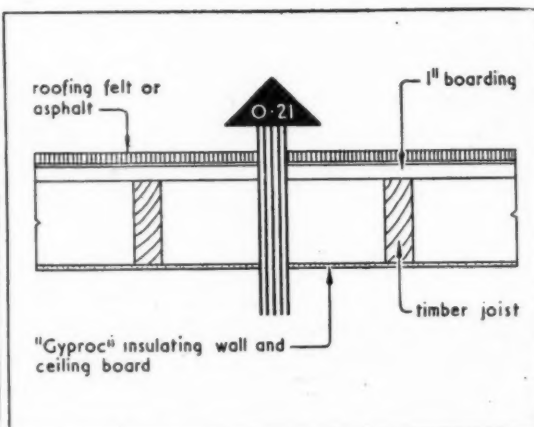
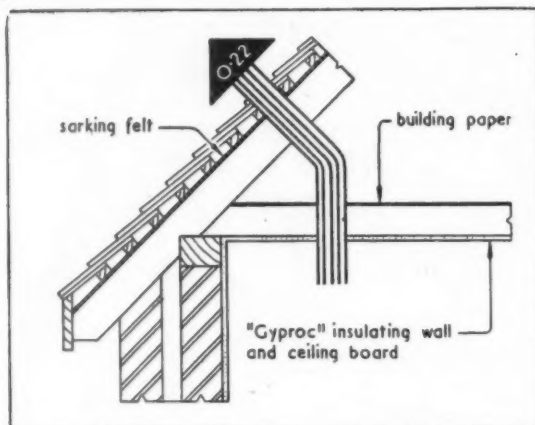
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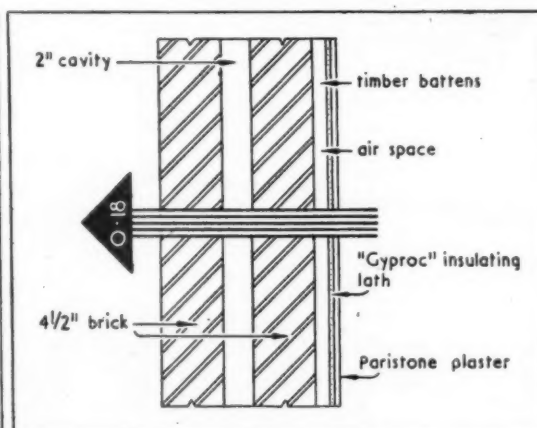
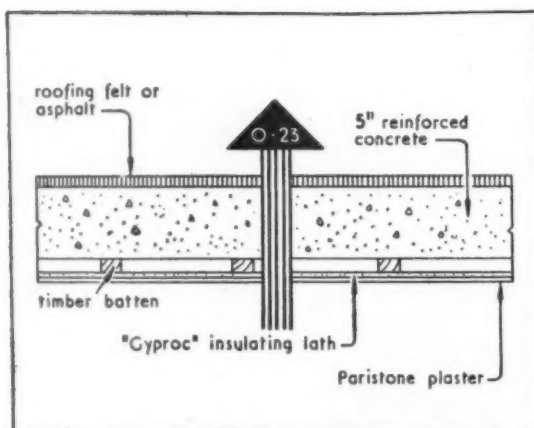
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Interior of the Norman Chapel, Tower of London.

SUCH examples of Norman building as remain to-day all suggest a grim and solid pattern of architecture. This is, perhaps, because the Norman era gave little to domestic construction. Its most typical work relied largely upon heavy masonry which was quite unsuitable for dwelling houses, except of the largest kind and even these were integral with some military strongpoint.

The Normans, in this country at least, were invaders with a sullen native population to keep subdued and so were more interested in erecting headquarters for their armed forces than mere domestic building. The only alternatives which attracted them were churches, and in this direction they produced some outstanding examples.

Norman building practice derived from the Romanesque and Teutonic, which account for its strength and solidity. It is characterised by the thick walls and massive pillars essential to support heavy roofs; the round arches; the narrow windows, flush outside and splayed within; and the lack of superfluous ornamentation. This simple, durable form of architecture is the reason why so much of the best Norman work survives to-day.

The inevitable change that comes to all times and manners gradually led away from the sombre Norman style with its harsh, bare interiors and began developing into the more elaborate Gothic period.

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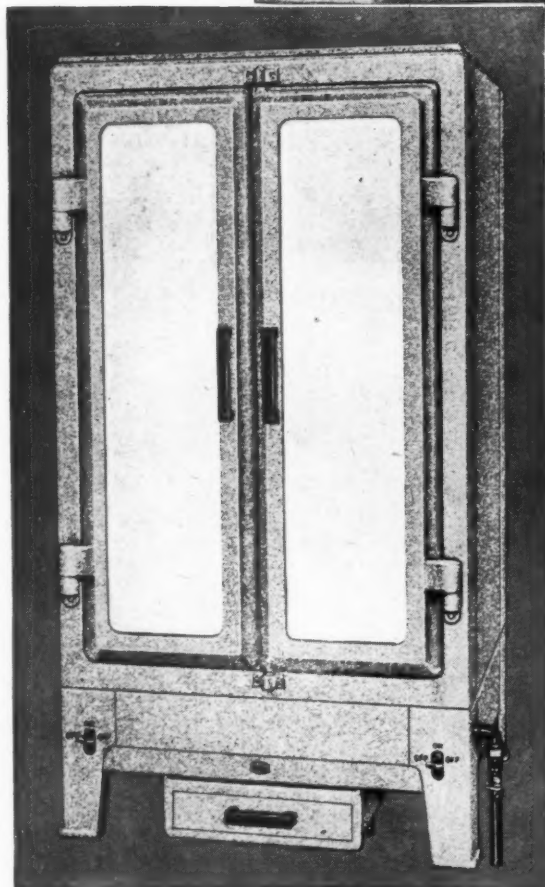
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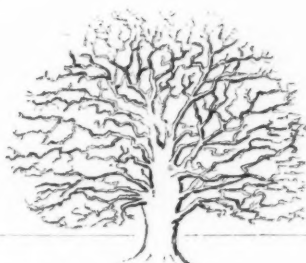
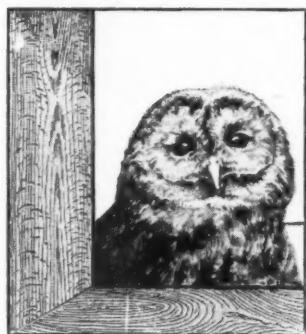


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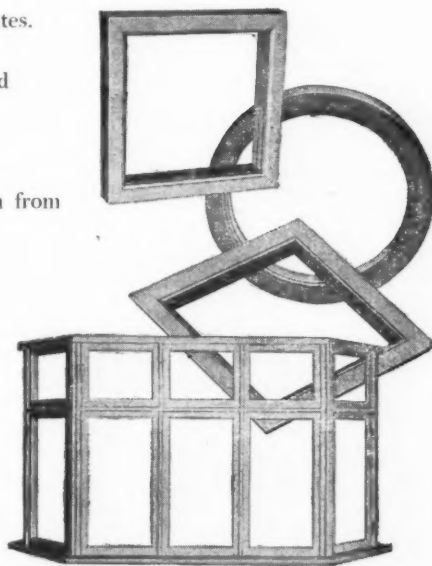


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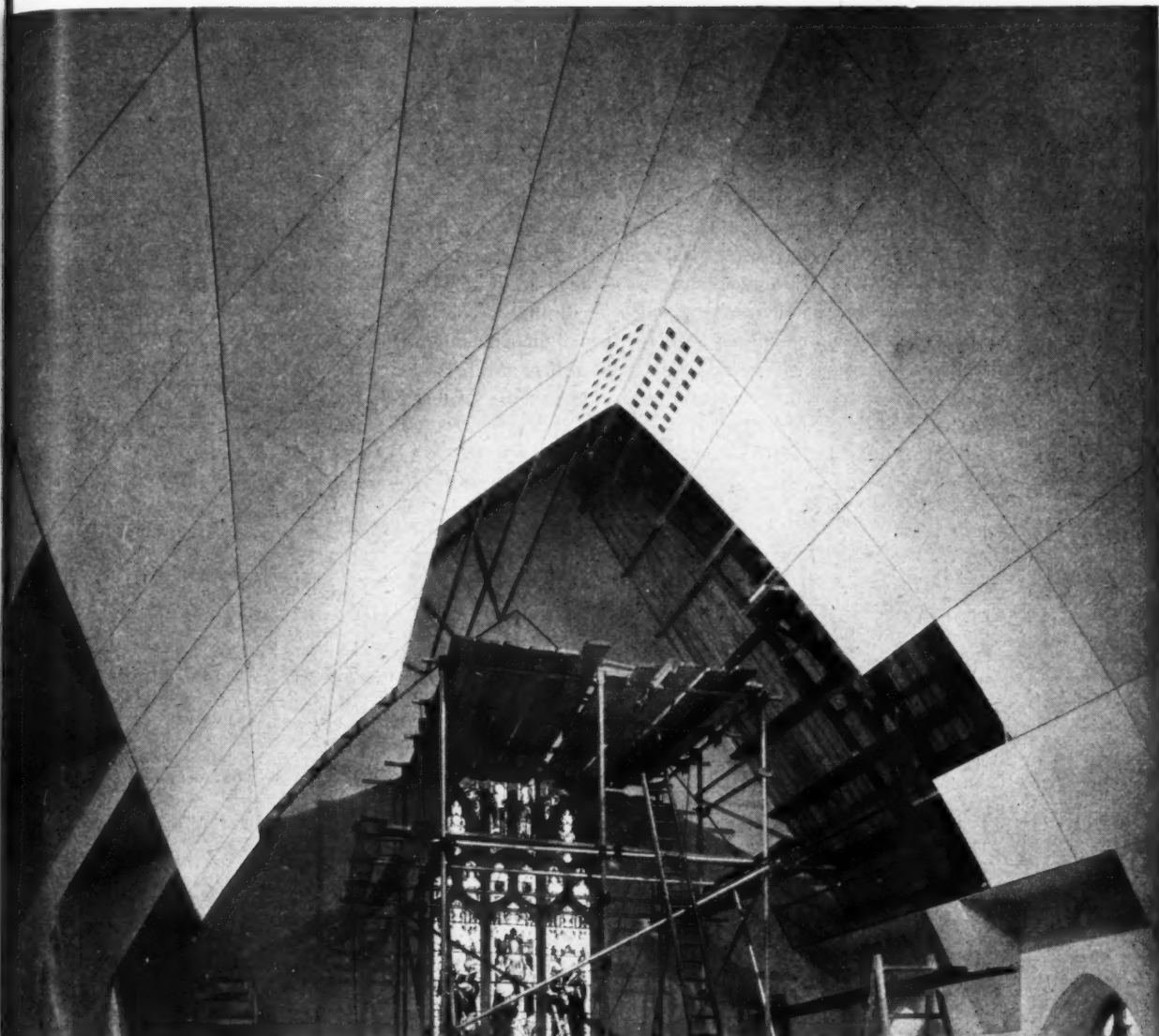
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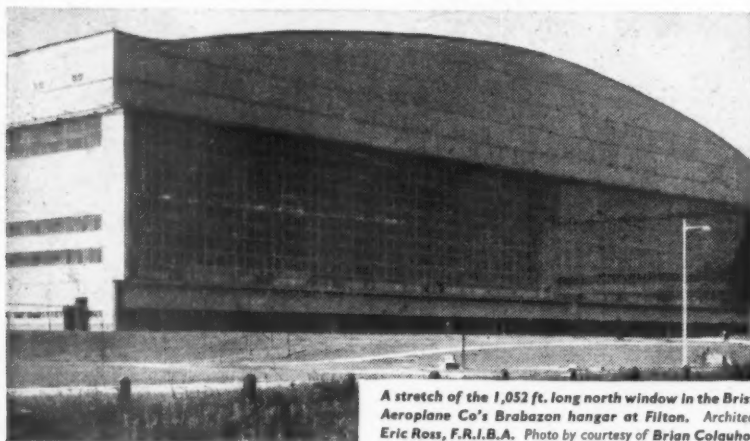
Patent No. 519406



Patent No. 519406

The importance of the ALUMINEX continuous glazing cover strip

If you examined the largest composite plate glass window in the world you might have occasion to make a brilliantly original remark on the importance of little things. For the success of that enormous structure — we refer, of course, to the 1,052 ft. x 50 ft. glazed stretch in the northern wall of the Brabazon hangar at Filton — depends in part on the properties of a springy strip of aluminium rolled into a special shape and squeezed between panes of glass and a rib of metal. This is the continuous glazing cover strip which secures the panes of glass in the Aluminex patent glazing system.



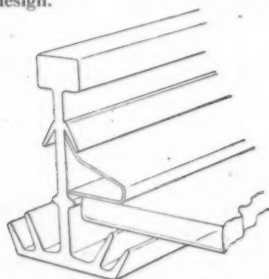
A stretch of the 1,052 ft. long north window in the Bristol Aeroplane Co's Brabazon hangar at Filton. Architect: Eric Ross, F.R.I.B.A. Photo by courtesy of Brian Colquhoun and Partners, the Consulting Engineers.

Holding glass securely

The importance of the Aluminex continuous glazing cover strip lies in the fact that it has been so made that it holds panes of glass securely in any plane without the aid of putty, screws, cord seatings or flashings. At the same time it responds satisfactorily to all shocks, vibrations and thermal movements of glass and metal.

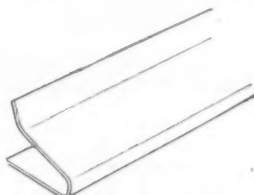
Its value is enhanced by the fact that the fitter merely squeezes it and pushes it into place between the glass surface and the topmost rib of the Aluminex glazing bar.

This simplicity of design is characteristic of the Aluminex glazing system. The glazing bar, into which the glazing cover strip fits, for example, is strictly functional in design.



This Aluminex patent glazing bar is of extruded aluminium alloy of special composition. Here is seen one glazing cover strip holding a pane of glass in position on the bar.

The Aluminex glazing bar is extruded to a patent design. It consists of a main web with a strengthening ridge at the top holding a necessary weight of metal in balance. From the "spine" emerge ribs on each side to hold the continuous glazing cover strip, ribs to serve as anti-capillary stops for the glass and supporting flanges to receive the weight of the glass. There are further flanges to form drainage and condensation channels.



The glazing cover strip is of strip aluminium alloy rolled to this wedge shape. It is springy, to absorb shock and thermal movement.

The composition of the alloy

The glazing bar and the cover strip are composed of an alloy of aluminium, silicon and magnesium in which the proportion of the silicon and magnesium have been specially determined in order to increase resistance to corrosion. (It has been found that the major factor in resistance to corrosion is the composition of the

aluminium alloy and that anodizing and the other surfacing processes are of secondary importance.) The Aluminex alloy rapidly produces an extremely hard permanent patina which thereafter remains static and protects the metal from further corrosion.

The properties of Aluminex

These two basic components of the Aluminex patent glazing system are thus designed (1) to hold glass rigidly in position in all temperatures, (2) to hold it safely in whatever plane is required either in roof or sidewalls, (3) to carry out this function by the simplest and most practical means, (4) to cover any given area, and (5) to resist corrosion in all normal atmospheres for an indefinitely long period.

Experience has, so far, failed to set a limit on the area of roof or sidewall that can be glazed by this system. The largest area on record is that of the window in the Brabazon hangar north wall mentioned above. This perhaps should be classified not as a window, but as a "glass wall," and the Aluminex system not simply as a means of glazing but as a method of construction.

A new role for Aluminex

This is borne out by experience in other projects, particularly in the I.C.I. Experimental building at Witton. This building has been erected to test the application of non-ferrous metals in various fields. Its south wall is constructed on Aluminex casement sections. Some of the spaces between the bars, however, are not glazed, but fitted with solid panels to form a wall. Aluminex, in this context is indeed a method of construction and the completed structure might best be called a "wall grid."

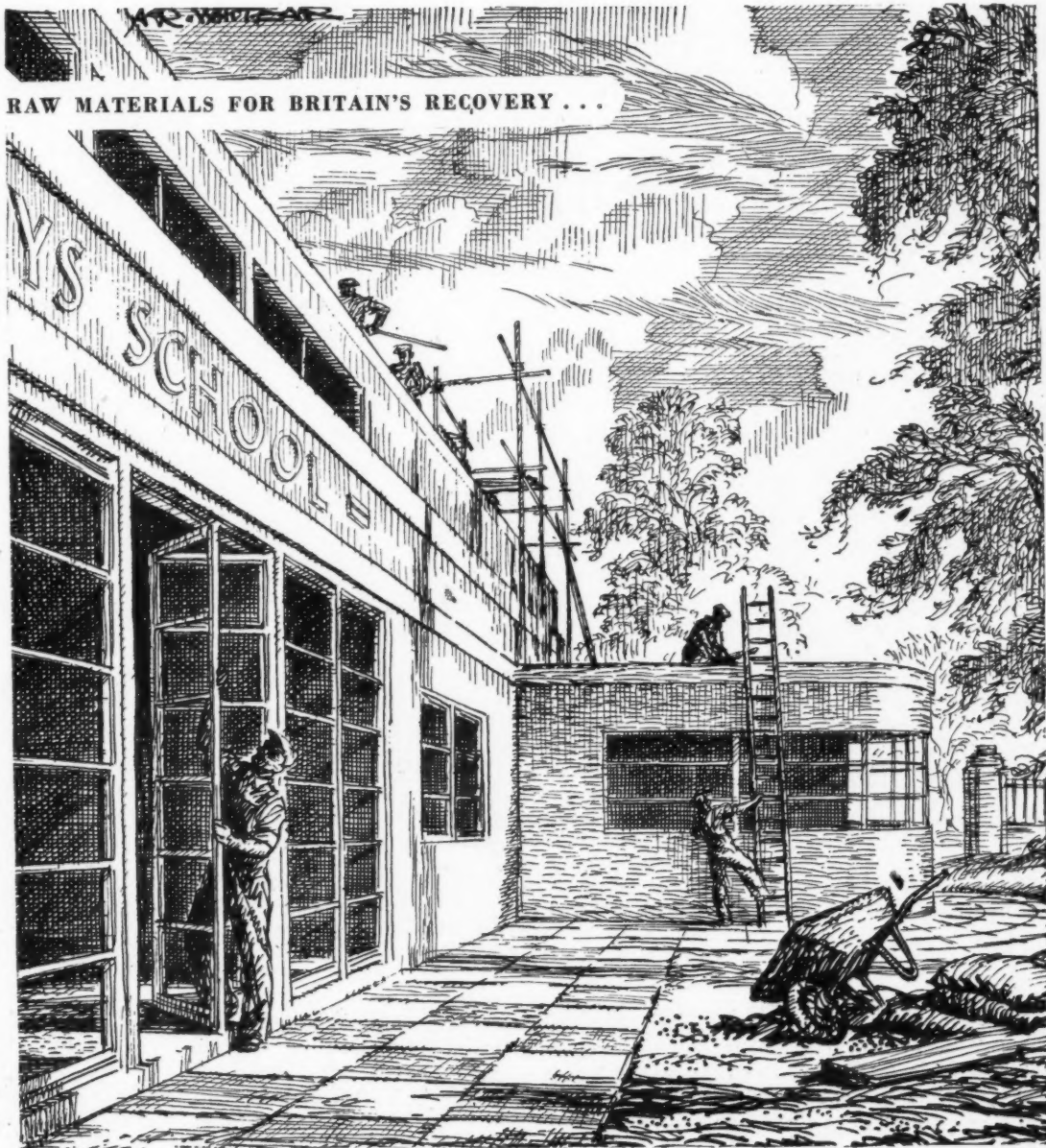
Two double-glazing systems

The questions of insulation and condensation are particularly relevant when these more ambitious uses of the Aluminex system are discussed. It is therefore interesting to note that the system allows for double glazing (or double panelling) with still air retained between the two surfaces, and also for sealed double glazing. Both these methods provide a degree of insulation superior to some more conventional building materials.

The exciting possibilities of Aluminex

In fact, in the hands of an architect of imagination, this young, yet accepted, method of construction has exciting possibilities. This is particularly so in the treatment of industrial and similar buildings where the maximum of light is required. The company may be relied upon for speedy and enthusiastic co-operation in all such developments and invites communications from all architects who might like to discuss ideas and projects in this field.

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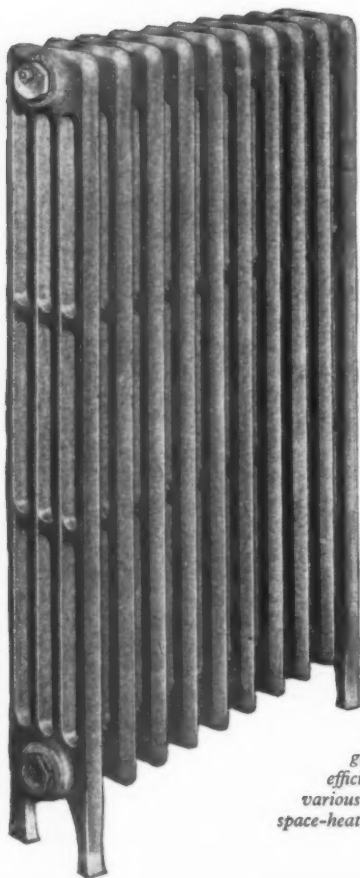
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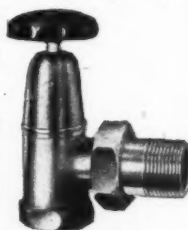


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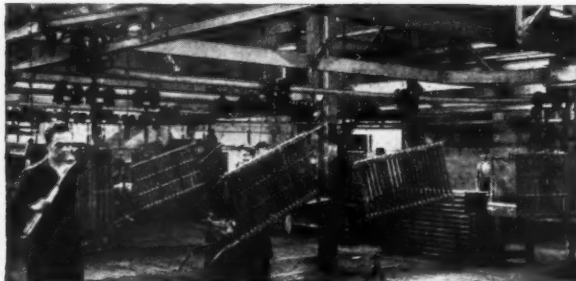
This modern design extends to every feature, including the radiator valves, of which Type No. D.201 illustrated is an excellent example. It is supplied in matt polished or chromium plated finish.



Part of the foundry in which the radiator moulds are formed. Photograph shows cores being placed in position.



General view of the shop in which cores for Crane radiators are made.



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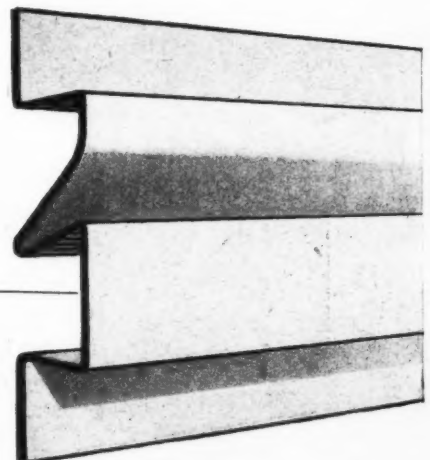
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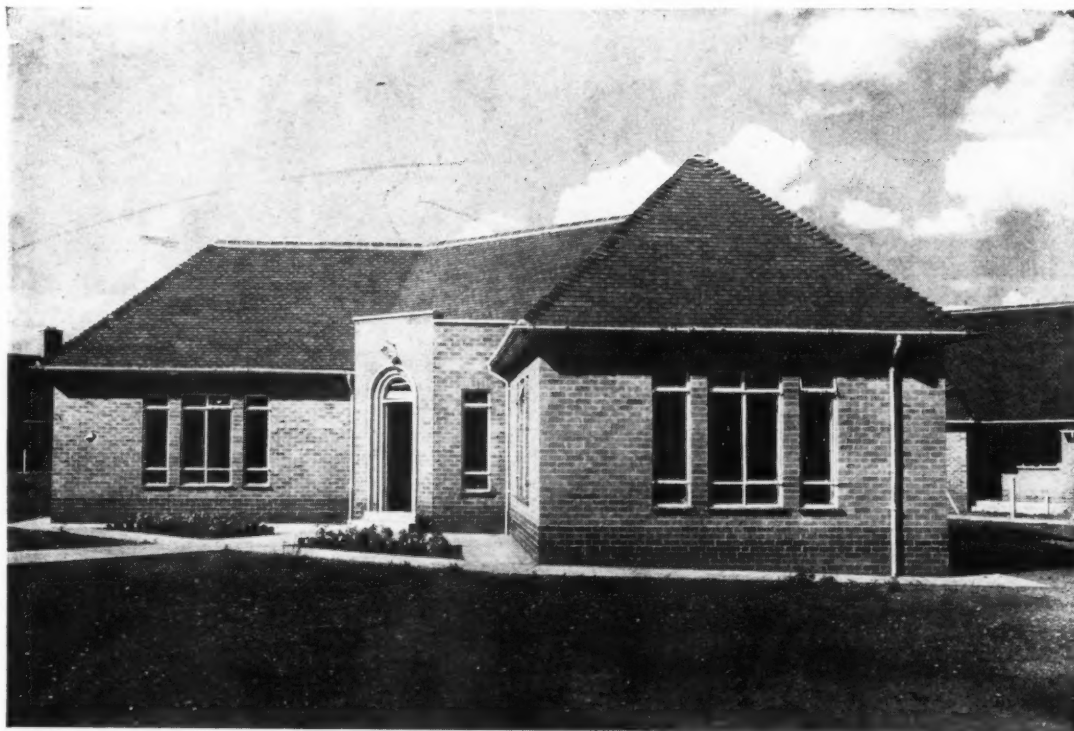
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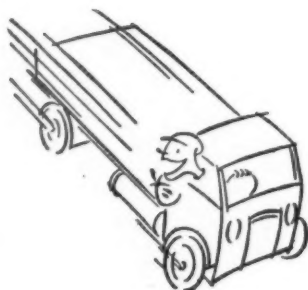
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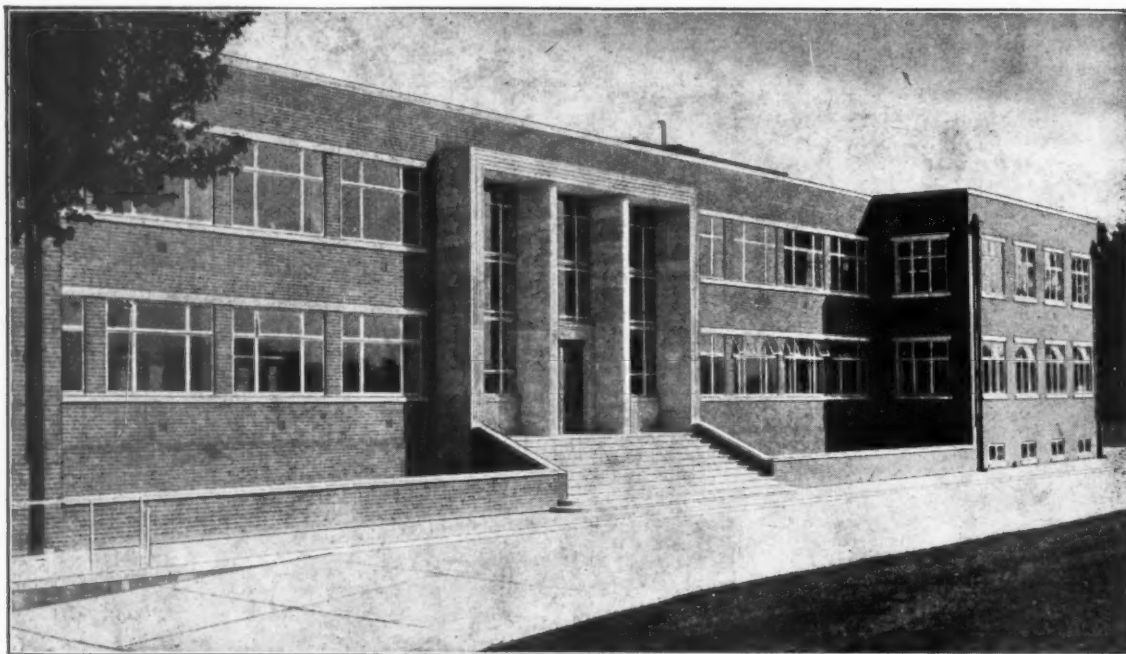
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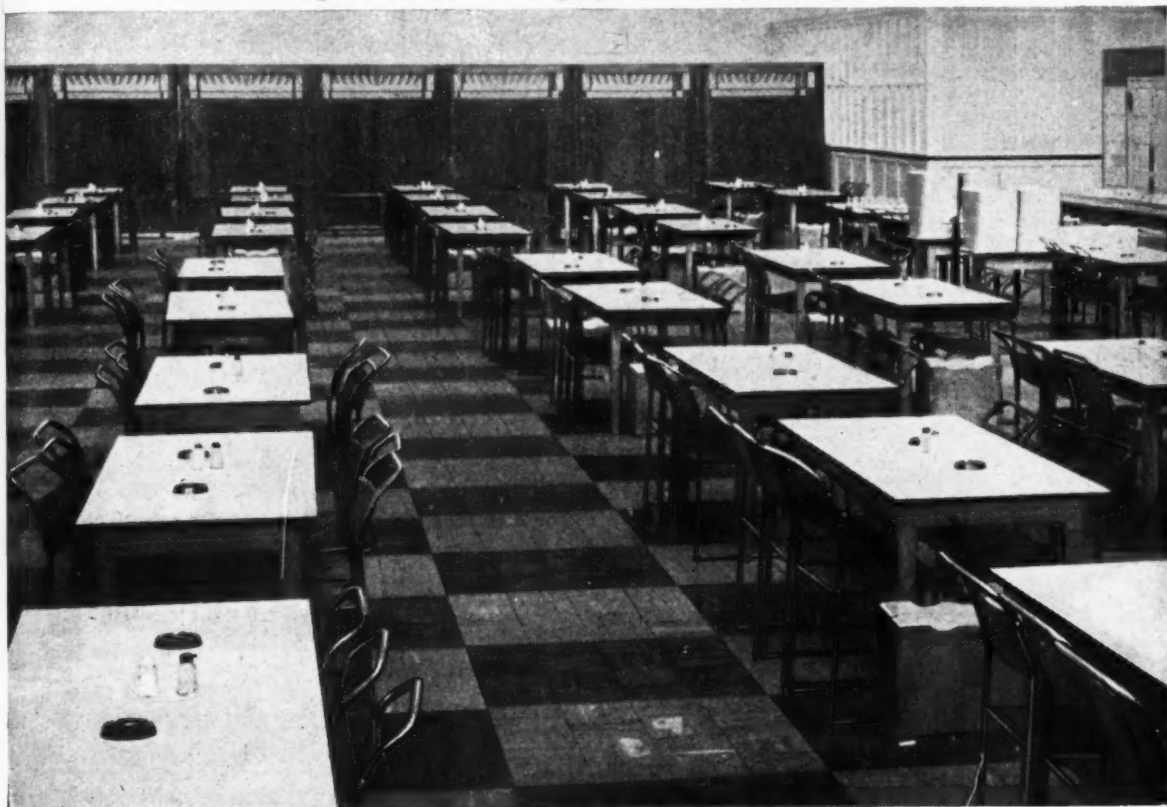
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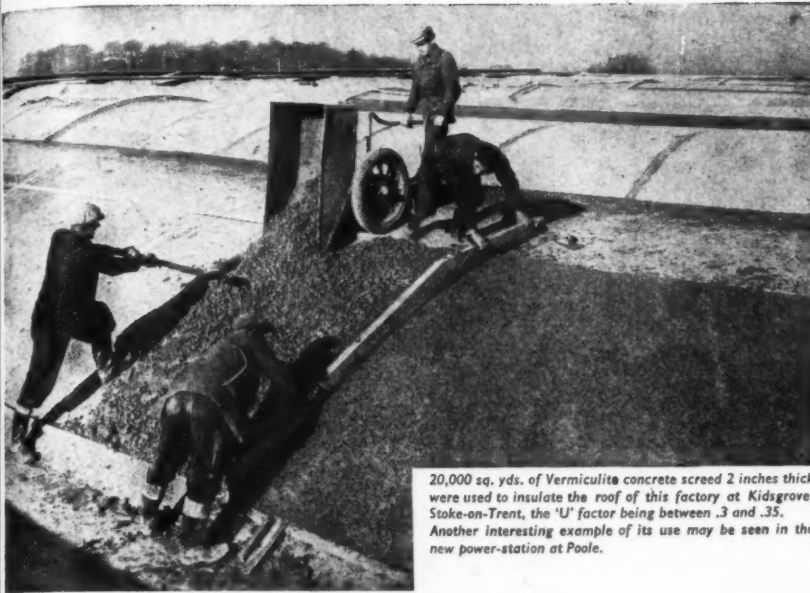
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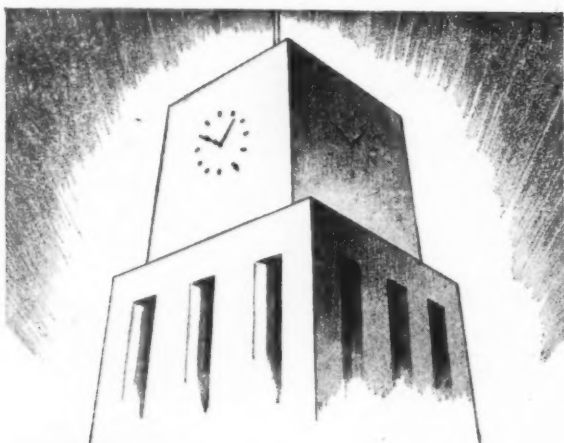
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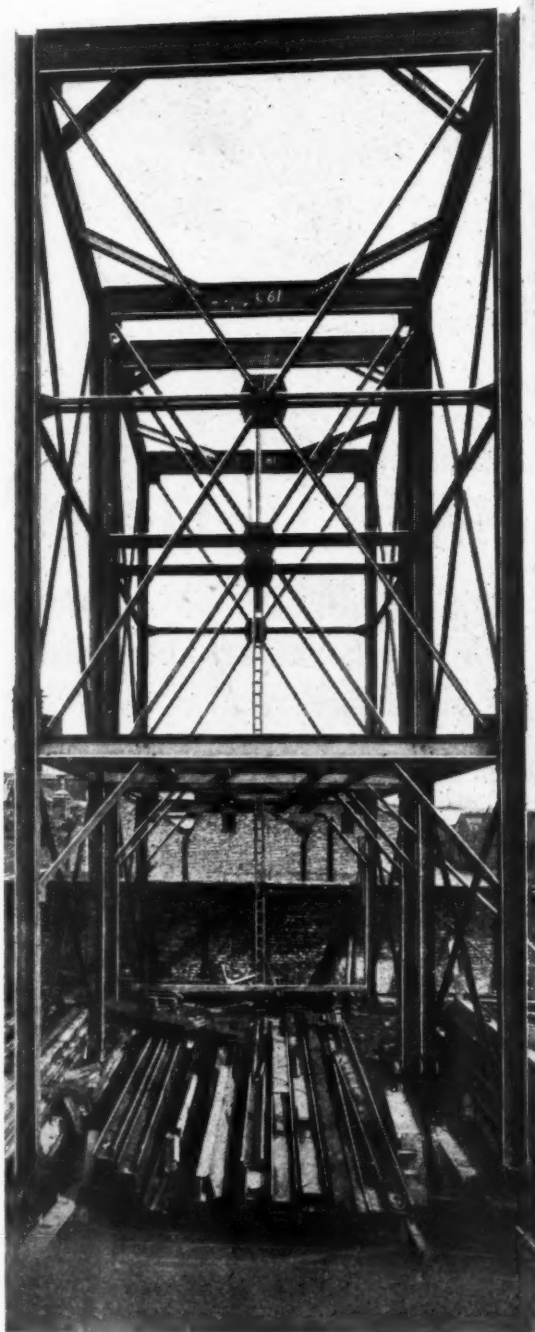


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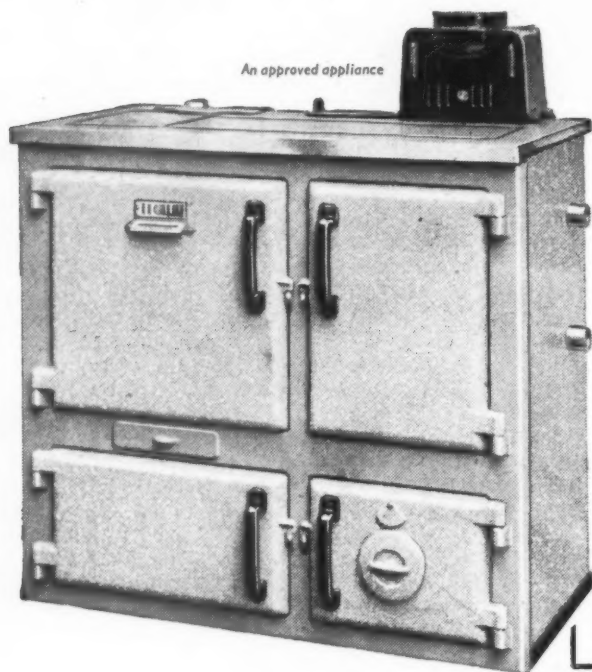
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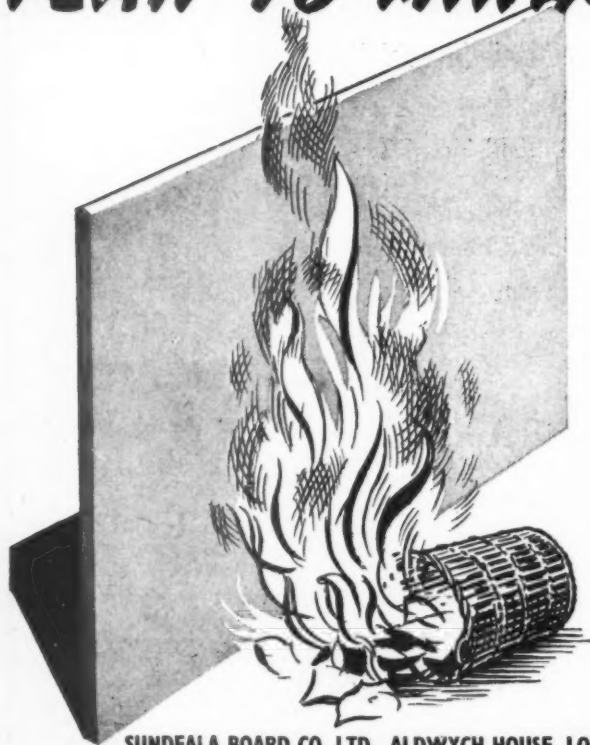
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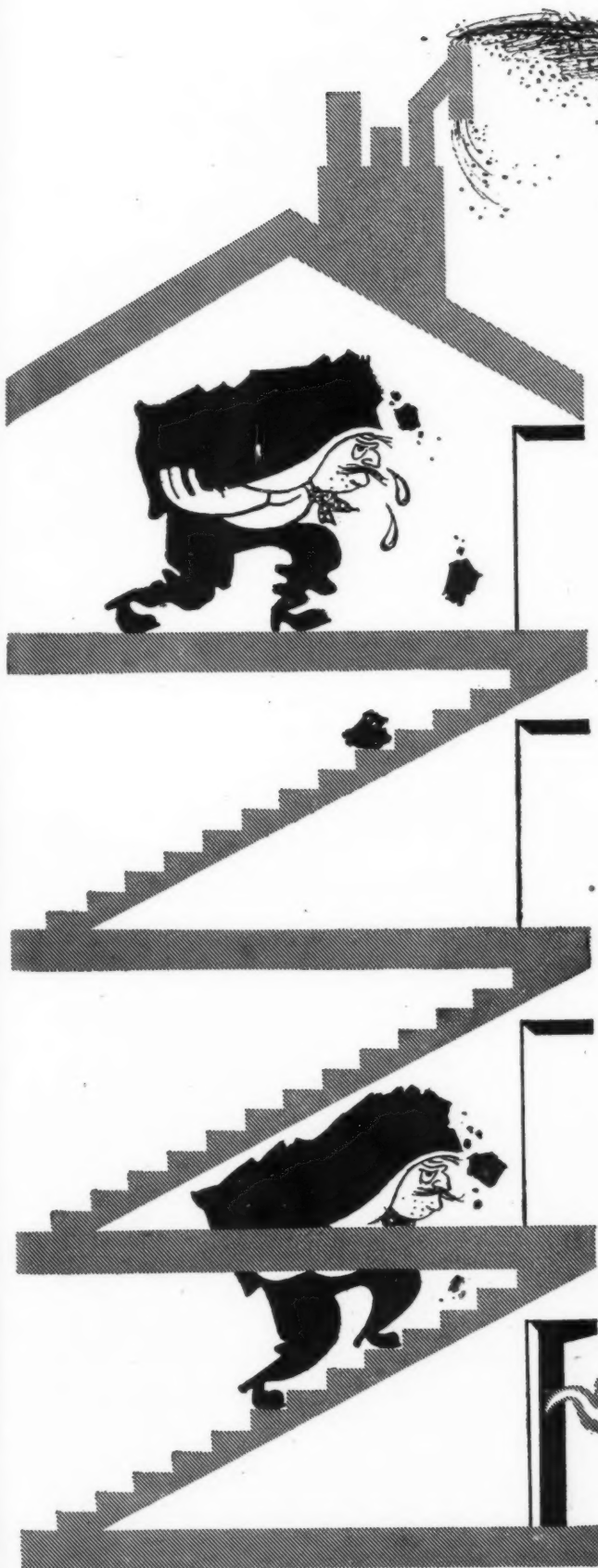
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P.S. I have more to say on this triangular Architect, Client, Builder relationship, but I see these eternal forms, permits, etc., are piling up on my desk.
More anon.
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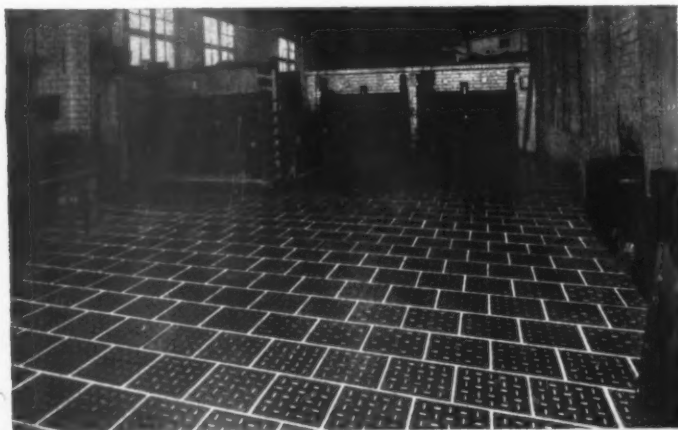
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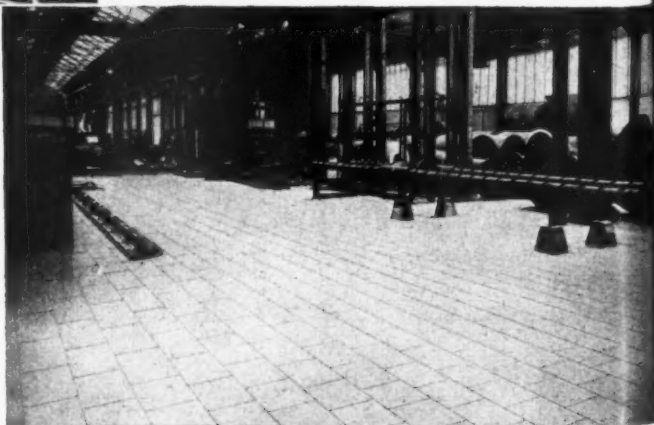
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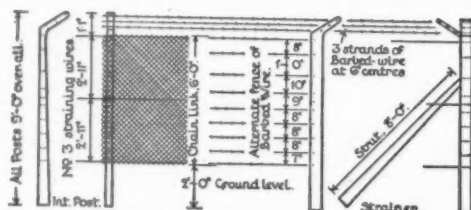
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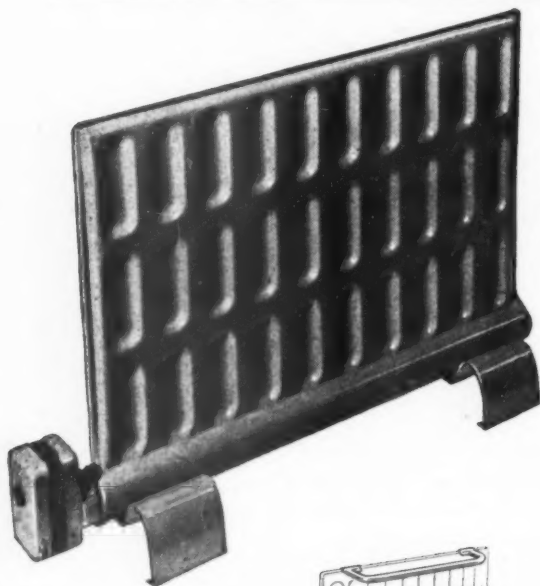
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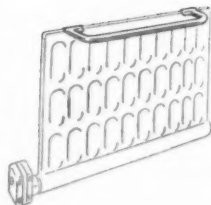
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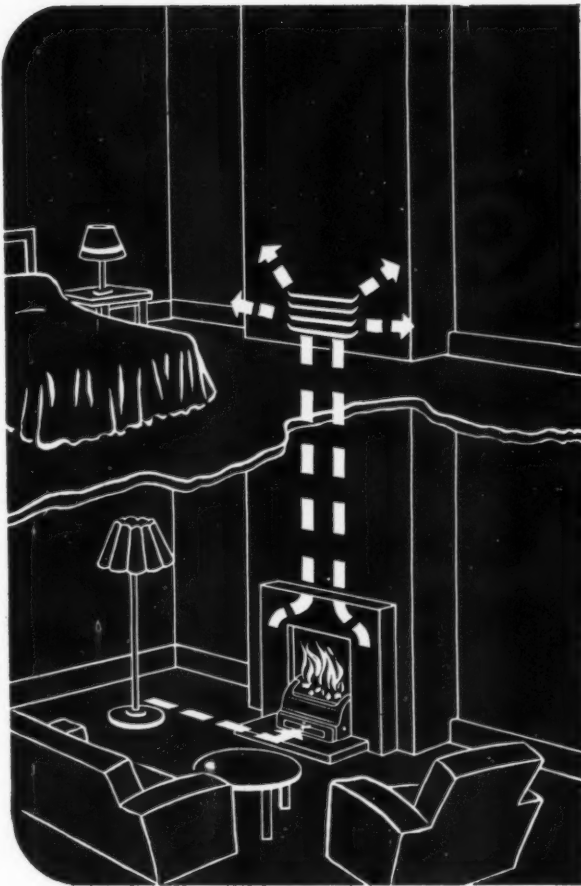
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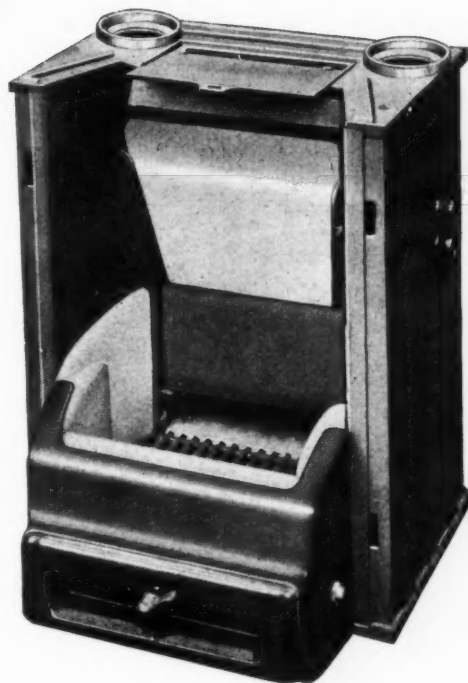
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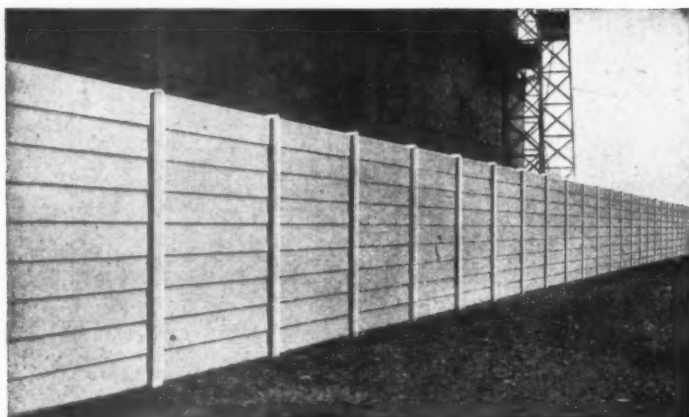
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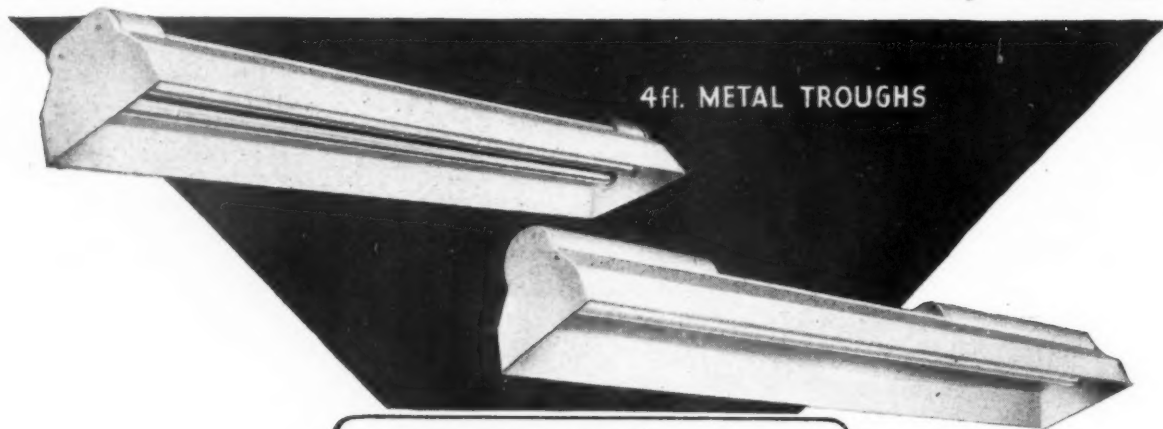
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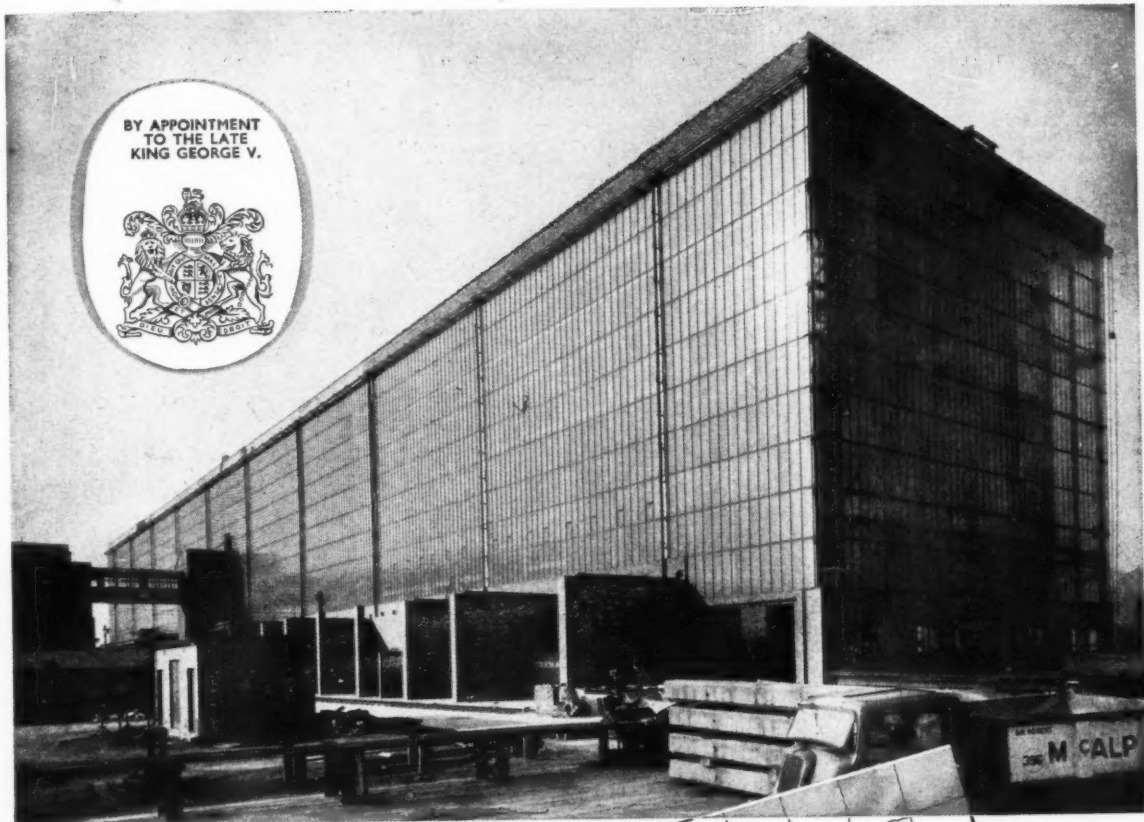
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THE ARCHITECTS' JOURNAL

No 2890 29 June 1950 VOL 111

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COMINGS AND GOINGS

Readers sometimes complain that I give too much attention to the doings of the AA School and too little to the other schools. My answer always is that if other schools showed themselves as enterprising, I would be only too happy to write about their activities, but even Astragal can't make (or, as occasionally happens, drop) bricks without straw.

One particular example of AA enterprise that other schools might well follow is their practice of always having at least one visiting member of the staff from abroad. This is arranged either by exchange or by a direct temporary appointment and is, I know, a great success with the students. It is certainly the best way of broadening their horizon.

Peressutti, of Milan, has just finished teaching for a term at the AA; his partner, Ernesto Rogers, taught the previous term and I believe his other partner, Belgiojoso, is coming soon. Peressutti, who has proved to be a brilliant teacher as well as a first-rate architect, will be missed. Alf Byden, the Swedish architect, has also been a great success as a temporary member of the staff. Last week an even more celebrated personage, Alvar Aalto, arrived from Finland. He is to lecture and give criticisms to the students during the rest of this term. And as if that wasn't enough, Frank Lloyd Wright, the grandest old man of them all, comes next week to give away the prizes at the annual prize-giving.

This ceremony, on July 14, is to be held in the middle of Bedford Square, as it was last year; and it will be a rare treat to see so many lions gathered in one marquee. Furneaux Jordan will no doubt be as able a ring-master as ever.

UNIVERSITY NOTES

Sunshine and unlimited petrol seemed to attract many more people than usual to May Week at Cambridge. To ASTRAGAL it seemed there was an exceptionally large number of young women. Sunburnt beauty was very much in evidence, while here and there a pale complexion was preserved between Mexican hat and Mexican sandals.

After mid-day, when it was really hot, the city had a Continental flavour. Battlements stood out sharply against the blue sky in the manner common to Italian postcards; cornices and columns threw blue-black shadows, and people began to zig-zag down the streets, seeking whatever shade could be found.

Above all, the weather was perfect for those rare pleasures—outdoor plays and concerts. There were Madrigals on the river at Kings; a masque in the first court at Clare, and a play in Capability Brown's Fellows' Garden at Johns. And even those who sat outside hearing range must have gone away feeling that contemporary forms of entertainment, with their floodlights, amplifiers and H-shaped aerials have little charm, for all their mechanical magic.

THE RIGHT ATMOSPHERE

"If I were asked what are the qualities I would like to find in a pub, I would say simply 'the right atmosphere,'" says the foreword to *Inside the Pub*,* which appeared last week. Atmosphere, though a word we hear a lot these days, is, I believe, quite new in our language in this borrowed sense. The Germans have *stimmung* and the Swedes *stämning*. The Chinese, too, have a special, established word; in fact, so real does that civilized race consider atmosphere to be that it possesses financial value. In China atmosphere is not just solid and visual, but much more subtle. For instance, a fine house can be bought very cheaply there if it has a bad atmosphere. People who live in it in harmony and happiness for twenty years can then sell it at a good profit, merely on account of the improved aura they have established.

We have not, consciously, at least, reached such a sensitive condition here, but we are beginning to see that good architecture is more than an intellectual, technical affair, and more even than a deliberately æsthetic one. This book, based on a special issue of *The Architectural Review* for last October,

* by Maurice Gorham and H. McG. Dunnett. (Architectural Press, 18s.)



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which inaugurated the Pub Competition, is a welcome sign of this broadening outlook. It analyses the development of the pub interior from the cottage kitchen, through the ale-house, the tavern, the coaching inn, the Victorian gin palace, down to the modern urban bar, shows how the tradition was broken between the wars by Brewers' Tudor, Georgian, pseudish and moderne, and shows how the tradition could be re-established in a genuine modern idiom. The anatomy of the tradition makes fascinating reading and it has been charmingly reapplied in Mr. Gordon Cullen's drawings.

This is the most important book the Architectural Press has produced for a long time. It is a book for everyone, but especially for the brewers; for it is they, more than architects, temperance people, or licensing officials, who have given us those bleak institutions whose atmosphere suggests that a respectable damnation through a lonely and sickening boredom is more imminent than a convivial and glorious damnation through drink. Let us hope the book will exert a powerful influence.

MY FAIR LADY

The sound of strong men struggling for a word reached many ears last week, including those of Acanthus (see cartoon). Most of the assailants of the '51 festival would not have batted an eyelid if half the rapidly growing mushroom structures of Barry's (Gerald, not James) pixie encampment subsided overnight, because everyone knows that the architectural profession consists of a bunch of unreliable, effeminate, staircase-forgetting semi-artists. However, even the hearts of the most hardened critics must have softened when they realized that "our boys" of Rhine-crossing fame, no less a body than the Royal Engineers, were going to lay a bridge across the Thames into the heart of the exhibition site. Here at least, everybody supposed, was a set piece which would go ahead as smoothly as a musical ride at the Royal Tournament.

But what happened? One push too many and with a muttered "Sorry Sarge" the first span fell in the mud. According to a newspaper report, "a rather too fine adjustment of balance was maintained." That's a naïve



C. H. James's housing scheme at Well Walk, Hampstead, which has been awarded the London Architecture Bronze Medal. It has the taste and charm of all Mr. James's work, though it may be considered a "safe" rather than an adventurous choice on the part of the RIBA jury. Any building erected during the three years ending last December was eligible for the award.

phrase to remember the first time you stroll under Ralph Tubbs's Dome. However, I'm sure you need not worry; Mr. Tubbs stopped worrying a long while back.

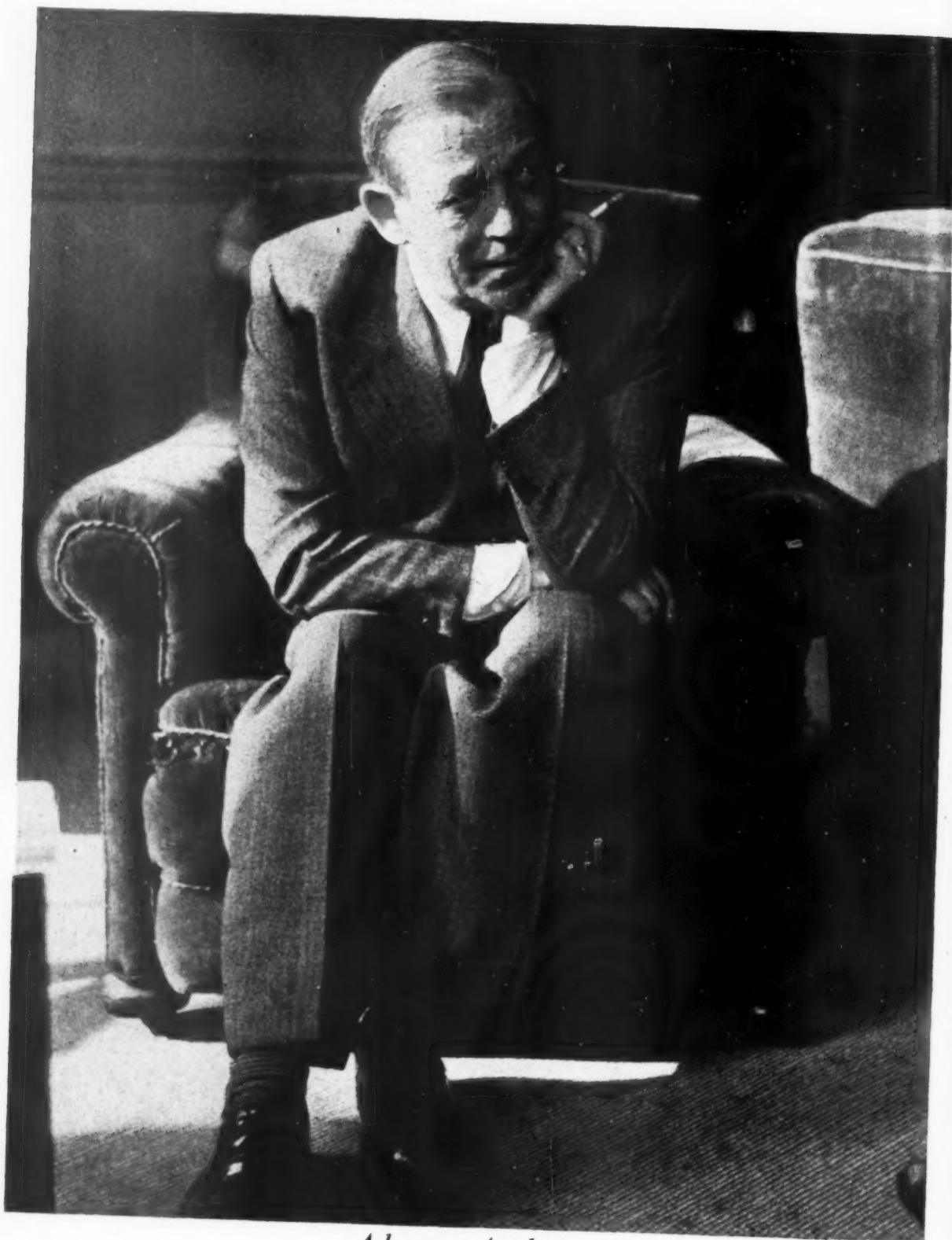
PYRRHIC VICTORY

Even those whose student days are far behind them will feel some regret that the RIBA Council (so I am informed) at the last meeting of the session has celebrated its retirement by changing once more the conditions of the Tite Prize competition. The programmes are, as before, to be in "The Italian Renaissance manner."

This completely meaningless move can



"I believe someone mentioned a fourth at bridge, sir."



Alvar Aalto

Professor Aalto arrived in this country last week for a month's visit. He is here to receive an honorary fellowship from the Royal College of Arts and to lecture at the AA. One of his notable recent buildings is the dormitory at the Massachusetts Institute of Technology, Cambridge, completed in 1947, which Sigfried Giedion, in the February issue of *The Archi-*

tectural Review, describes as "... a new interpretation . . . the attempt to avoid the ant-heap atmosphere often emanated by such buildings. Aalto gives the individual his personal rights through a variety of means; in the way he arranges the staircases by the blending of spaces, by alternating the capacity, form and arrangement of the bedrooms."

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only result in a lowering of the standard of the entries for the competition. There are, fortunately, no schools (or on second thoughts there may be one) where Renaissance architecture is taught as a style appropriate to the design problems of today. No student worth his salt is prepared to undertake the laborious effort of making a falsehood convincing. It is to be hoped that the entries to the competition next year will convince the new Council of the egregious error of its predecessor. The one redeeming feature is the narrowness of the victory. I am told that only two votes separated the sheep from the goats.

GAS LAMPS

I recently illustrated in these notes some examples of lamp standards in Hyde Park, and was somewhat critical about the new design manufactured by William Sugg, of Westminster. I would like to correct the implication which could be read into my remarks that the new design is not efficient. I understand that it is extremely so.

*

My major complaint was against the incongruity of attaching a new lamp to an old standard. As regards the design of the lamp, I hear that it has been approved by the Royal Fine Art Commission and the CID, which should, no doubt, put me firmly in my place.

THE DOVE RETURNS

An architect last week 'phoned a district council office somewhere in the Home Counties to ask what chance there was of getting a licence to build a private house. "We have forty requests on our list," said the council man, "and at present ten of these are going through a year." The architect groaned and was about to ring off in despair when he heard the following words of hope. "We believe, however, that that situation is likely to improve *very considerably indeed* in the near future." People who work on councils are usually cautious, tactful types. I smell more than petrol fumes and frying eggs and bacon in the political wind.

ASTRAGAL

The Editors

SAVING THE COUNTRY HOUSE

IT is tragic, considering the pride we take in living in an enlightened age and the quantity of protective legislation on the statute book, that irreplaceable architectural treasures continue to be destroyed at a more rapid rate than ever in our history. Not a month goes by without news of another of our historic mansions being demolished for the sake of the building materials or being allowed to fall into decay while its park is sold to a timber merchant, or condemned to open-cast coal mining.

It is something that the report* of the committee set up by the Chancellor of the Exchequer to investigate this problem, under the chairmanship of Sir Ernest Gowers, which has just been published, realizes its urgency. And it is positively encouraging that the report—in every way an admirable document—also realizes that the best way of preserving a historic mansion is not to think of some new use for it but to enable its present owner to go on living in it. If there is no other way of saving them we must put up with seeing one country house after another turned into a museum or a public institution, but experience has shown how much difference there is between a house that is lived in and one that has been allowed to die spiritually even if physically it has been preserved.

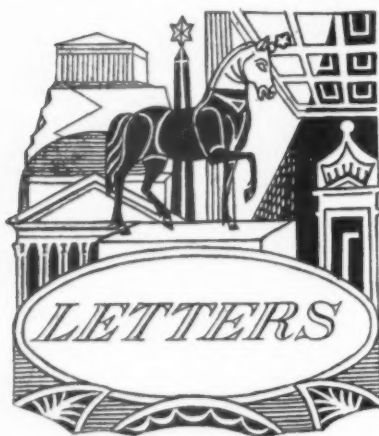
The Gowers report wisely puts special emphasis on relief from taxation and death duties and other means of enabling owners of beautiful houses to continue to run them and recommends greater support of the National Trust, as the only public body that can preserve a house as a home. The principal recommendation of the report is for the setting up of a statutory body to be called the Historic Buildings Council with powers to aid the preservation of designated houses by tax relief and otherwise. The Council would become the central authority for advising government departments, and would take over the National Buildings Record and certain of the powers now vested in the Ministry of Works under the Ancient Monuments Act.

It would also take over from the Ministry of Town and Country Planning the responsibility for compiling a list of houses that deserve preservation—an urgent task that the Ministry has recently been much criticized for not pursuing more energetically: many cases have occurred of houses being destroyed without any opportunity for the 1947 Act being brought into operation to save them because the Ministry's list for the area in which they were situated had not yet been compiled.

Many other constructive suggestions are included in this report, some of special interest to the profession such as those regarding the need to train architects and craftsmen qualified to care for old buildings. It is to be hoped that the Government will

* *Houses of Outstanding Historic or Architectural Interest*, HMSO. Price 3s.

soon declare their policy in regard to the report and that if they set up a Council of the kind suggested, they will give it real power to take action. We have too many advisory councils that can only grumble when their advice is not taken.



P. L. Dean

J. H. Stanley

A. E. Ward

I. L. Holmes

R. S. Redwood, A.R.I.B.A.

Ingle Nooks Defended

SIR,—Astragal appears to dislike the architecture of the Chelsea Flower Show. The trouble with Astragal is that he lives in a world of geometrical proportions and what might be termed fine architecture. He suffers from a general lack of proportion when it comes to differentiating between a small cottage garden and a large public one.

He thinks that thatched ingles nooks are architectural monstrosities. If one thinks in terms of fine architecture, no doubt he is right. However, whatever architectural merit they may fail to possess, they are very pretty, and when it comes to small things a very large section of the general public prefer them to be pretty rather than strictly beautiful.

An olde worlde cottage with an olde worlde garden, complete with stream and rustic bridge (architectural monstrosity) will attract far more attention than a brilliantly designed modern building. The public like things which catch the eye, and, in my opinion, the present trend of architecture does anything but that. On the contrary, it hits them in the eye in a manner not altogether appreciated.

I am not suggesting that one should put thatched ingles nooks into new office blocks. But I must say that I like the Lessor Scheme Building between the top of Shaftesbury Avenue and Kingsway even though Astragal deplores its very existence.

P. L. DEAN.

Sidmouth.

Public Architecture

SIR,—How much longer are we to put up with warfare between private and public architecture? Surely it is the right of every architect, regardless of ability or qualification, to choose his job in order that he may make a suitable living. All this business of the glory of architecture goes down the sink when one considers the amount of building going on that has never even been seen by the most lowly of the profession.

Local authority surveyors and contractors' office-boys are turning out more stuff than the profession. Surely this is something we ought to get our teeth into and stop.

Is it known that there are more qualified architects by examination employed by official departments than there are running private practices?

Where do the critics expect a new qualified man to get the money to start a practice? Most leave college without a penny in the bank.

Unless this bickering stops we shall neither achieve better architecture nor better salary scales and conditions. Let us all uphold the status of the profession and show our dissatisfaction of the low standard of work being produced outside our ranks.

J. H. STANLEY.

Private House Building

SIR,—On May 4, the Minister of Health stated he had considered the provision which ought to be made for owner-occupiers in the programme for houses to be built under licence. After stating that experience had proved to him that the claims of those in urgent need made it necessary, in many districts, that nine-tenths of the houses built should be council houses, the Minister added he had decided to restore to housing authorities the discretion to issue licences up to a maximum of one-fifth of their allocation where such an increase is justified by the needs of the applicants.

It would now appear from circular 57/50 issued by the Ministry to housing authorities that this discretion will apply to the allocation for 1951 and is not, therefore, necessarily immediately operative. While this may have been the Minister's intention when making the statement in the House it was not made clear, with the result that my members and, doubtless, other architects also are being pressed by clients to obtain the benefit of this concession. In a further statement on June 15 the Minister said that local authorities will now be advised of their 1951 allocation and may issue private licences up to a maximum of one in five, presumably forthwith.

The purpose of this letter is to ensure that the responsibility for delay hitherto is not laid upon architects, who are acutely conscious of the need for action in housing.

A. E. WARD,
Secretary, Institute of Registered Architects.

London.

Architectural Criticism

SIR,—Criticism of architecture is, I know, something of a bogey in this country. So much so that in two years' close reading of the JOURNAL I have seldom seen it referred to as a problem, while editorially it has been treated most obliquely. For the life of me I cannot see how architecture, or any other art, can flourish without criticism. I can think of no other art that has no public criticism. The existence of the intelligently interested public on which architecture so much depends can only result from public criticism. The development of the laggards of the profession, the less educationally privileged, and those isolated from the London salons depends on public criticism. Your curious visitor from overseas and the faithfully groping structural engineer are wasting their time if they have no access to public criticism.

What astounds me is that the conditions for public criticism in architecture have not been established in the same way as they have for other arts—by the convention of invitation. Critics are invited to first nights, to first days, to premieres, to previews; they are sent advance copies, first editions; and if they are not invited, ignored, then merely to report the fact is to establish a sneer. Would it really take long to create the convention of invited criticism for new architecture and architectural displays? Personally I think not. The JOURNAL has enough architectural friends to start the ball rolling, enough discretion not to intimidate the great cautious middle of the profession, and enough influence ultimately to coerce the stubborn minority.

You have asked many of your readers for comment on the design of the JOURNAL. Unless to *Buildings Illustrated* can be added *Buildings Criticized*, it is little more than a chronicle and a picture paper. As such it is but a frustration in our more meaningful week-end reading. I cannot see that any other cause is more worth editorial attention than this, or that anything, in its wider application, is likely to have more importance in the future of our architecture.

I. L. HOLMES.

Cambridge.

The RIBA Conference

SIR,—I was pleased to read in your issue of June 15 that Astragal was able to spend so much of his time in "bubble and froth" at Bristol. I am happy to feel that a good time had been had by all, and I think we can compliment the RIBA on the Conference. In these serious times it would be unfortunate if the hard working architects of this country were not allowed a little relaxation combined with their cultural and technical discussions.

R. S. REDWOOD,
President, Bristol Society of Architects.

Bristol.

The EDITORS reserve the right to shorten letters from readers. Whenever possible, however, they are published in full.

AA VISIT TO FESTIVAL BUILDINGS



RIBA

Council Election Results

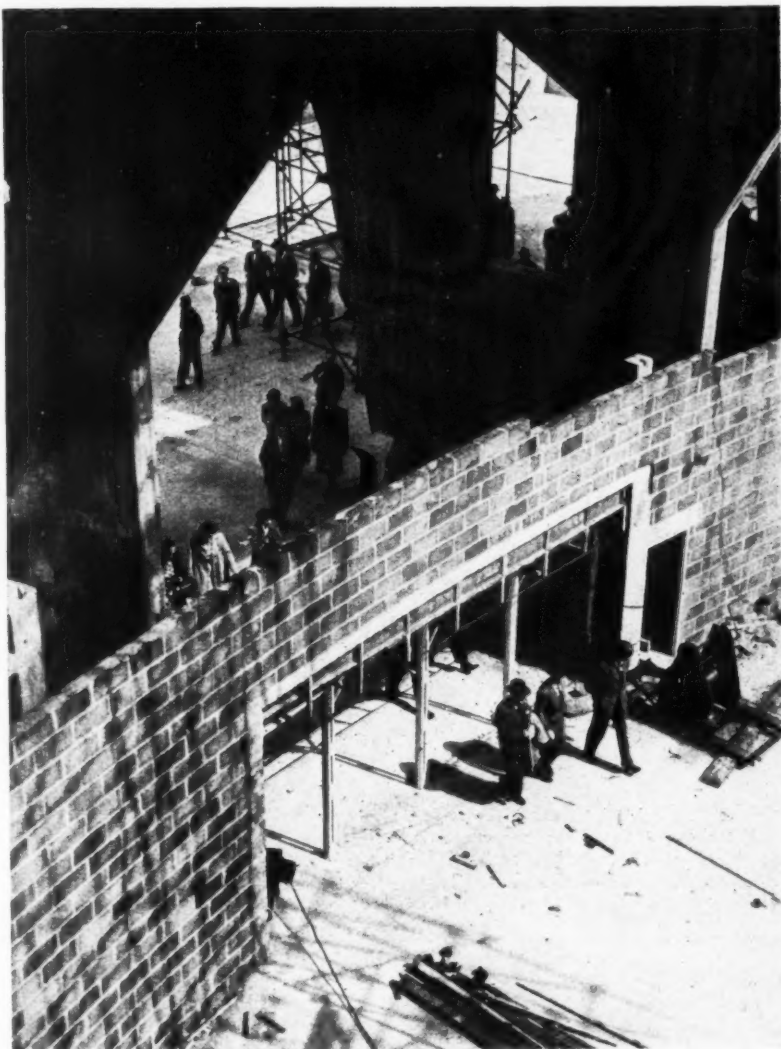
Following are the results of the RIBA council election:—**President:** Andrew Graham Henderson. **Past Presidents:** Sir Lancelot Keay, Michael T. Waterhouse. **Members of Council:** G. Grey Wornum, Frederick Gibberd, Anthony M. Chitty, C. G. Stillman, Denis Clarke Hall, Victor Bain (Leeds). **Associate Members of Council:** Hon. Lionel Gordon Baliol Brett, Peter Faulkner Sheppard, Robert Hogg Matthew. **Licentiate Members of Council:** Sidney Lunn Whitehouse (Birmingham).

Those nominated as council members, but not elected, are as follows: S. Rowland Pierce, M. S. Briggs, H. A. Dod, L. H. Bucknell, J. L. Denman, H. Conolly, J. Swarbrick, T. N. Cartwright, T. M. Alexander, J. R. Edwards, C. E. Culpin, J. B. Surman, A. H. Gardner, A. E. Eberlin, P. J. B. Harland, C. Kennard, A. B. Waters, C. D. Andrews.

The following were nominated as associate members of the council, but were not elected:—H. T. Cadbury-Brown, J. L. Womersley, C. S. Madeley, W. A. Allen, R. R. Fairbairn, S. A. W. Johnson-Marshall, H. B. Allsopp, G. M. Whitaker, W. Barrett, C. R. Fowkes, G. F. Whitby, S. Webster.

J. Clay and J. C. Hall were nominated as licentiate members of the council, but were not elected.

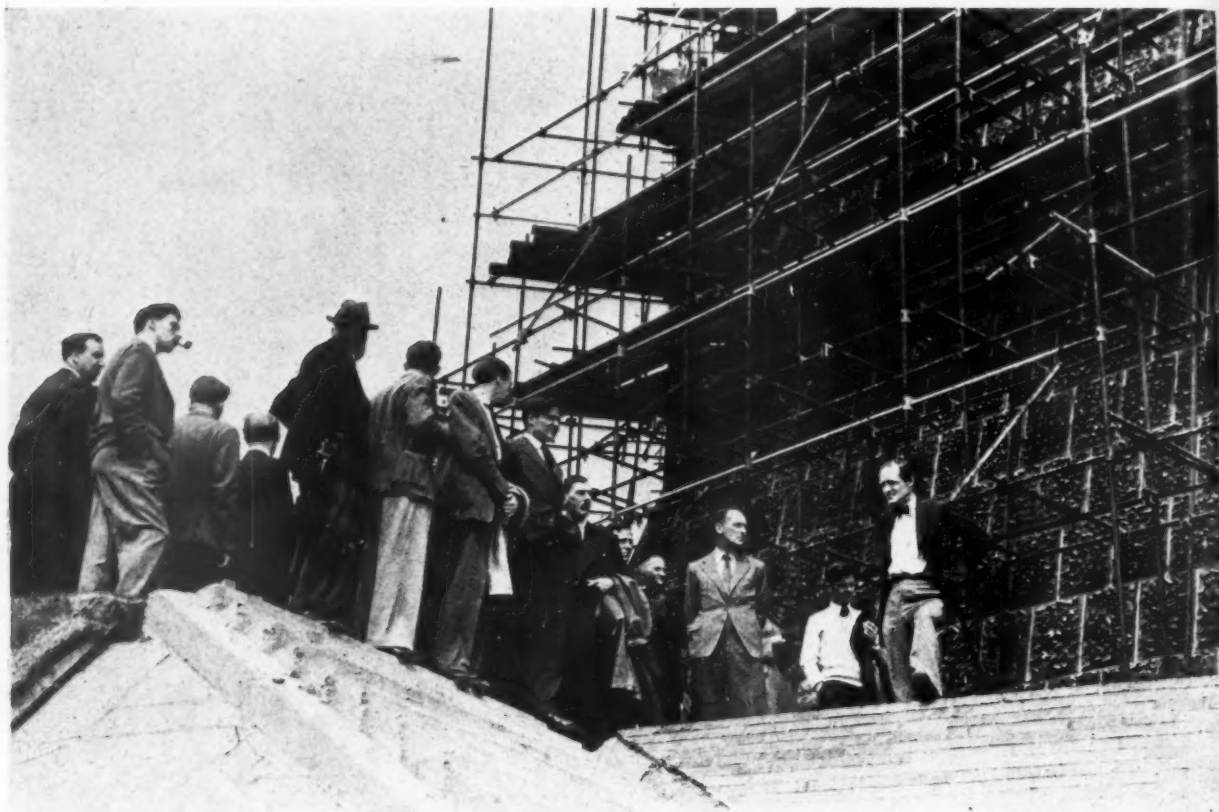
The Council is now made up as follows:—**Members of Council:** C. H. Aslin, V. Bain, A. M. Chitty, D. Clarke Hall, R. E. Enthoven, P. G. Fairhurst, J. H. Forshaw, E. Maxwell Fry, F. Gibberd, Professor W. G. Holford, L. C. Howitt, T. C. Howitt, A. B. Knapp-Fisher, S. W. Milburn, Howard Robertson, R. H. Sheppard, C. G. Stillman, G. Grey Wornum. **Associate Members of Council:** H. Braddock, Hon. L. G. B. Brett, Professor R. Brown, J. L. Gleave, R. A. H. Livett, R. H. Matthew, A. Rankine, P. F. Sheppard, R. H. Uren. **Licentiate Members of Council:** C. Oliver, F. C. Wakeford, S. L. Whitehouse. **Representatives of Allied Societies in the United Kingdom or the Irish Free State:** (1) *Six Representatives from the Northern Province of England:* P. C. Newcombe, F. L. Halliday, F. C. Saxon, A. N. Thorpe, C. E. Horsfall, R. Cawwell. (2) *Five Representatives from the Midland Province of England:* G. B. Cox, T. W. Haird, W. Rosser, C. F. W. Haseldine, S. J. Wearing. (3) *Six Representatives from the Southern Province of England:* H. J. Hammick, R. S. Redwood, T. T. Cumming, H. S. Sawyer, D. A. Wilkie, C. L. Burns. (4) *Four Representatives of Allied Societies in Scotland:* nominated by the Council of the Royal Incorporation of Architects in Scotland: T. S. Cordiner, Lieut.-Col. A. Cullen, L. Grahame-Thom-



On a recent visit to the Festival of Britain site on the South Bank, members of the Architectural Association were conducted by Hugh Casson, Ralph Tubbs and Kenneth Capon. Above, Ralph Tubbs, on the right, and two members enter the Dome of Discovery. Below, Stephen J. B. Stanton, Hugh Casson, Ethel Richmond and Stanley Shurmur outside the Homes and Gardens building.



A VISIT BY MEMBERS OF THE ARCHITECTURAL ASSOCIATION



son, L. W. Hutson. (5) *One Representative of Allied Societies in Wales*: E. Smith. (6) *Two Representatives of Allied Societies in Ireland*: F. McArdle, R. H. Gibson. *Representatives of Societies in Alliance with The Royal Institute Overseas*: A. J. Hazelgrove, L. S. Sullivan, J. D. Cheesman, T. C. Howitt, R. S. de R. Harman, Lieut.-Col. C. E. Todd, M. T. Waterhouse. Two representatives to be nominated. *Representative of the Architectural Association (London)*: S. E. T. Cusdin. *Representative of the Association of Architects, Surveyors and Technical Assistants (now the Association of Building Technicians)*: K. J. Campbell. *Chairman of the Board of Architectural Education*: K. M. B. Cross. *Chairman of the RIBA Registration Committee*: Lieut.-Col. V. H. Seymer. *Two representatives of the RIBA Salaried and Official Architects' Committee* (to be appointed). *Chairman of the RIBA Allied Societies' Conference*: Norval R. Paxton.

Award of London bronze medal

The jury entrusted by the RIBA with the award of the London Architecture Bronze Medal have made their award for the period of three years ending December 31, 1949, in favour of the Wells House (Housing Scheme), Well Walk, Hampstead, designed by C. H. James, R.A., F.R.I.B.A. See illustration on page 779.

Competition for public and secondary schools

In order to encourage interest in architecture among schoolchildren the RIBA

holds an annual competition for boys and girls in public and secondary schools. The jury this year will consist of D. C. H. Jenkin, T. D. Goddard and Frank Hoar. The competition is not open to those who have left school before the end of the Summer Term immediately preceding the closing date for entries, October 6.

A prize will be given for the best original essay of not more than 1,000 words, illustrated by sketches dealing with building or group of buildings which the competitor is personally acquainted. The essays should indicate personal thought and judgment and should not be guide-book descriptions of a building. The competitors should choose a building they like and should state their reasons for liking it.

A prize will also be awarded for the best sketches or scale drawings of a building or part of a building in pencil, ink or colour. The sketches or scale drawings must be drawn from the original. Copies of photographs or other illustrations are notmissible. Further details may be obtained from the secretary, Royal Institute of British Architects, 66, Portland Place, W.1.

RSA

Industrial Art Bursaries Competition

The Council of the Royal Society of Arts is organizing an Industrial Art Bursaries Competition which is to be divided into sections for the design of: Carpets; domestic electrical appliances; domestic solid-fuel-burning appliances; dress textiles; electric light fittings; footwear, furnishing textiles; pottery, and wallpaper. A Bursary

of £150 in value is offered to the winning candidate in each section.

The competition is open to full-time, part-time and evening-class students between the ages of 17 and 30 on September 1, 1950, who intend to take up industrial design as a career, and have studied for not less than one term since September 1, 1949, at an art, architectural, technical or other college or school approved by the Society for the purpose of the Competition. Entry in the domestic solid-fuel-burning appliances section is also open to any draughtsman, clerk, or similar person, within the age limits, already engaged in the solid-fuel-burning appliances industry, provided that his application is sponsored by the coal utilization joint council.

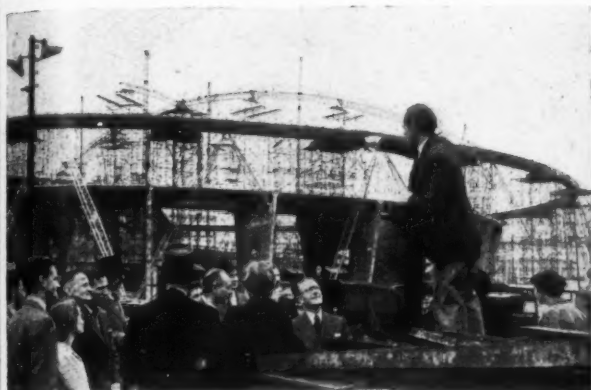
Full particulars can be obtained from the secretary of the Royal Society of Arts, the principals of the schools and colleges concerned, and the secretary of the Coal Utilization Joint Council. The closing date for the receipt of entry forms is September 30.

MOTCP

Reappointments on Development Corporation

The Minister of Town and Country Planning has reappointed, for a further period of two years, seven members of the Welwyn Garden City and Hatfield Development Corporation, whose appointments were due for review. They are:—Chairman, R. G. Gosling; vice-chairman, R. L. Reiss; members, G. R. Lowe, Alderman Mrs. L'Estrange Malone, H. L. R. Matthews, C. G. Maynard, and W. H. Playle.

ON TO THE SOUTH BANK FESTIVAL OF BRITAIN SITE



Left, members of the Architectural Association outside the Pavilion of Natural Resources, designed by the Architects' Co-operative. The exterior is of concrete rubble painted with bitumen. Above, Hugh Casson describes the Dome of Discovery. Above right, AA members pass the Television Pavilion, designed by Wells Coates, on their way to the Royal Festival Hall. Right, Hugh Casson and AA members beside the lattice frame of the Sea and Ships building, designed by Basil Spence. The saucer dome covers the propulsion section. On the right of the picture is the Dome of Discovery, designed by Ralph Tubbs.



YORK

Minster Restoration Fund

A restoration fund has recently been opened for York Minster by Dr. Garbett, Archbishop of York. The appeal is for a sum of £250,000. There is an urgent need for experienced stone masons at York, who will find employment for several years to come in restoration work on the Minster.

IRELAND

Plans for 1951 Industry Exhibition

The latest plans for the 1951 Exhibition of Industry and Agriculture at Castlereagh, Belfast, were discussed by the Festival of Britain Committee for Northern Ireland recently. It was reported that excellent progress is being made by the Ministry of Commerce with the erection of the factory building in which the exhibition is to be housed. The Committee was informed that the Ministries of Commerce and Agriculture, who are responsible for the Exhibition, have decided on the title "Ulster Farm and Factory" to describe the display, which will start at the beginning of June, 1951, and remain open for three months, as the main Ulster contribution to the Festival of Britain.

The factory building was designed for the Ministry of Commerce by Messrs. Ferguson & McIlveen, architects and engineers, Belfast, and will be used for industrial purposes when the exhibition is over. The co-ordinating designer for the exhibition is W. M. de Majo, of London. H. Lynch-

Robinson, adviser on design to the Northern Ireland Festival Committee, is section designer for the agricultural portion of the exhibition.

SINGAPORE

New School

Mr. Griffiths, the Secretary of State for the Colonies, recently opened the first of 18 regional primary school buildings, which are to be completed in Singapore in 1950. They are the first of 144 schools that it is hoped to complete by the end of 1957. It will give Singapore enough school buildings to provide compulsory free primary education for both sexes.

IHVE

Research Fellowship

The IHVE has decided to offer a Research Fellowship of £350 for one year. The Fellowship may be increased in amount and duration, depending on circumstances. The Fellow will normally work at the National College for Heating, Ventilating, Refrigeration and Fan Engineering, Borough Road, London, S.E.1, but he will be expected to visit other Institutions having similar interests. Accommodation may be available at the College Hostel in Dulwich.

The appointment has not yet been made, but the Research Committee of the Institution will be considering applications early in August as it is hoped that the person appointed will be able to take up the Fellowship with the commencement of the new session at the National College.

DIARY

Annual General Meeting, C.V.E. Chairman, Sir Patrick Abercrombie; speaker, Noel Carrington. At the Housing Centre, 13, Suffolk Street, S.W.1. 2.30 p.m. JUNE 29

Building Industry Productivity Team Meeting. C. D. Calverley, T. C. Hill, N. S. Farrow, W. R. Johnstone. At Birmingham and Midland Institute, 1-18, Paradise Street, Birmingham. 7 p.m. JUNE 29

Building Industry Productivity Team Meeting. R. O. Lloyd, M. T. Waterhouse, J. H. McKechnie, R. S. Gray, C. G. Rowlands. At MacRobert Hall, Robert Gordon's College, Aberdeen. 7.30 p.m. JUNE 29

Informal Reception. To members of International Building Documentation Committee. At 13, Suffolk Street, S.W.1. (Sponsor, HC.) 6.30 p.m. Followed by film show at Crown Theatre, 88, Wardour Street, of "The Task Before the Building Industry" and "For the Living"—housing in New York. JUNE 29

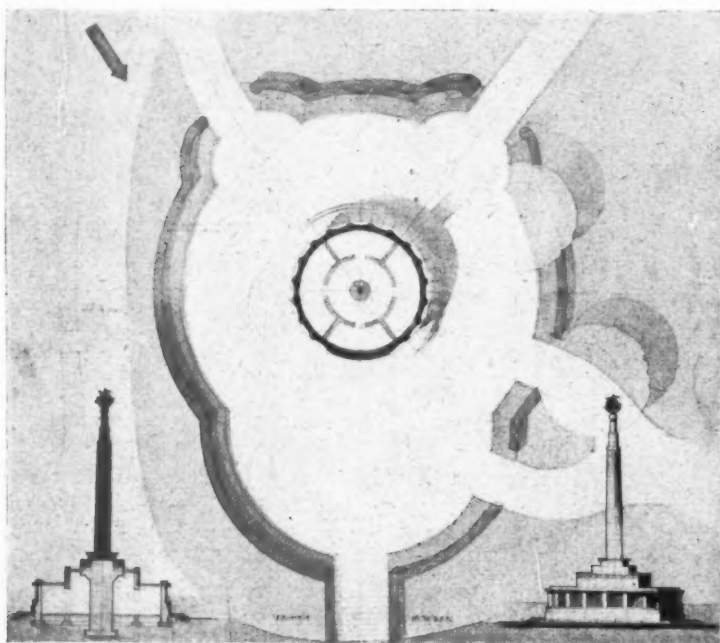
Machines for the Modern Builder. Demonstration on Warwick racecourse. (Sponsor, MOW.) Daily, 11 a.m. to 7 p.m. UNTIL JULY 1

Law of Contract. R. D. Wood. At 98, Gloucester Place, W.1. (Sponsor, IQS.) 6.30 p.m. JULY 3

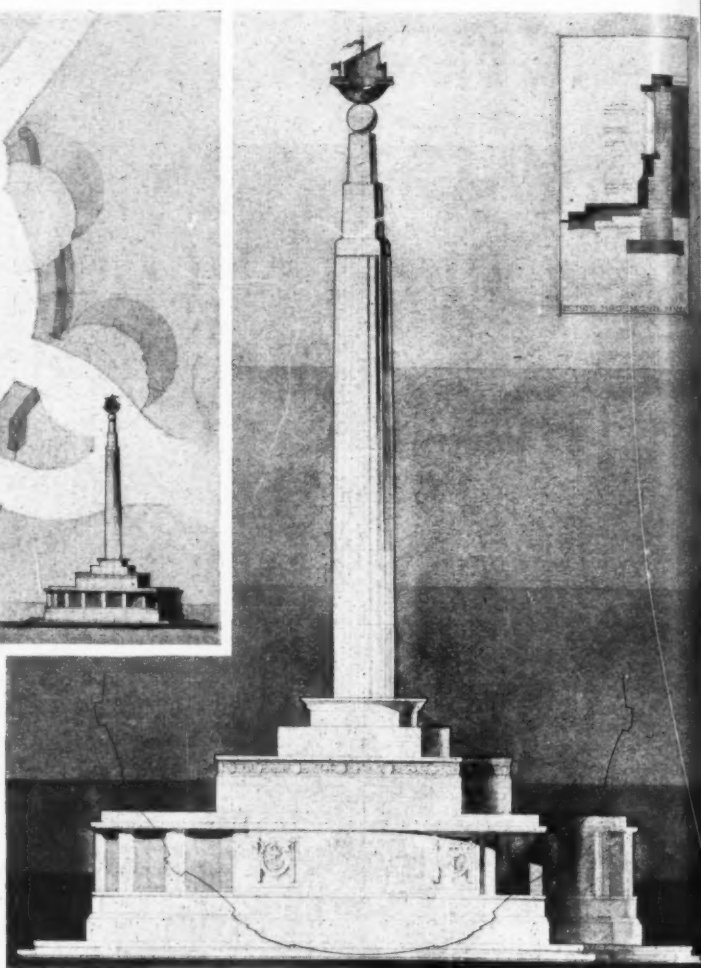
Building Industry Productivity Team Meeting. R. O. Lloyd, M. T. Waterhouse, W. J. Clarke, C. G. Rowlands. At Crane Hall, Liverpool. 7 p.m. JULY 3

Half-yearly Meeting of NFBTE. Southport. JULY 4-6

WINNING DESIGNS IN COMPETITION FOR ROYAL NAVAL



First winning design :
Section, plan and S.W. elevation.



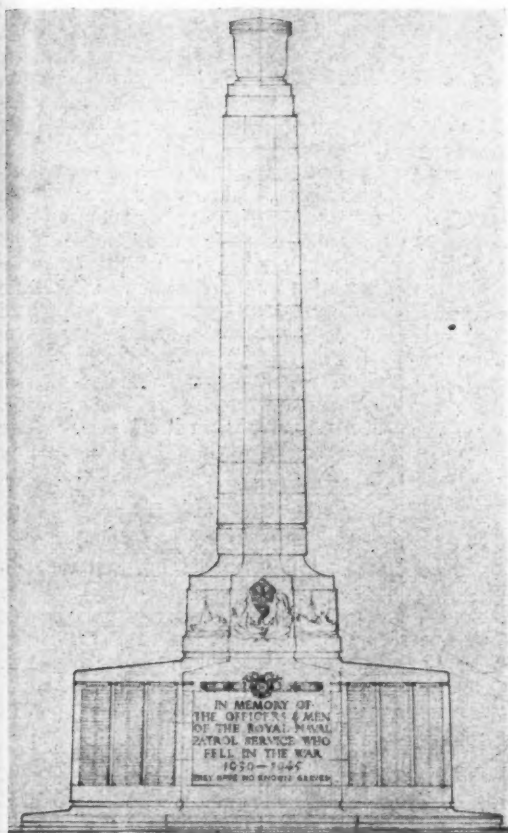
N.E. elevation and section through bronze panel

The winners of the competition for a war memorial to the Royal Naval Patrol Service (1939-1945 war), organised by the Imperial War Graves Commission, are as follows :—(1) F. H. Crossley, Dip.Arch. (Liverpool), F.R.I.B.A., Netherby, Avenue Road, Duffield, Derby ; prize of £100. (2) H. St. John Harrison, F.R.I.B.A., 1, Babmaes Street, Jermyn Street, S.W.1 ; prize of £50. (3) J. H. Finch, A.R.I.B.A., 22, Rainsford Avenue, Chelmsford, Essex ; prize of £30. The competition was open to architects who are registered under the Architects (Registration) Act and who are ex-serving full time members of His Majesty's Forces. The memorial, which will be erected on a site in Bellevue Park, Lowestoft, will commemorate the names of officers and men of the Royal Naval Patrol who were killed in the last war and have no known graves. Following is the

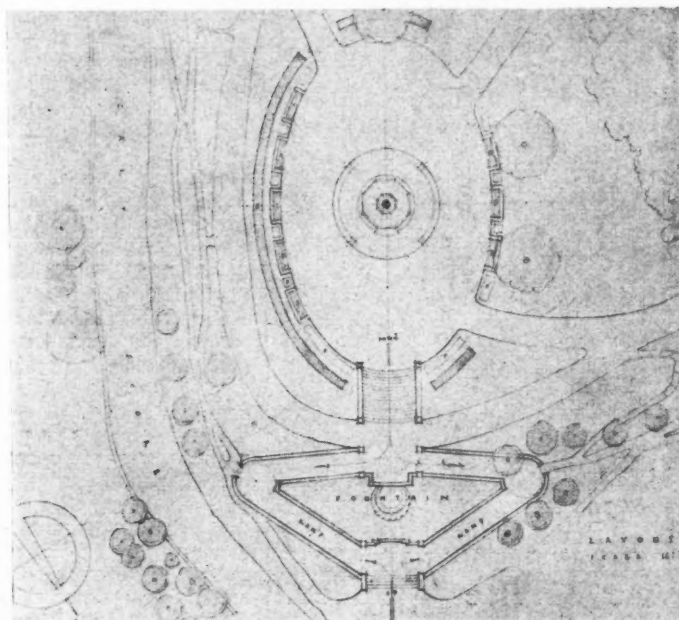
report of the assessor, Edward Maufe :— "The site is somewhat unusual in that it is approachable from several directions ; therefore it was essential that the memorial should have nothing that could be considered as a back elevation. Several of the designs had to be ruled out because their authors concentrated on one axis only, thus allowing the other approaches, though important ones, to come on to the memorial at its back or at its sides. None of the three premiated designs has this defect. The first winning design gives an inspiring solution to the problem, and one which will produce a Memorial worthy of the Royal

Naval Patrol Service. The design is put forward in a very competent set of drawings with a well-considered report. With regard to cost, the author of this design is optimistic in his estimate of the builders' work, and in my opinion the total cost of the memorial, as drawn, is likely to exceed the stipulated cost of £8,800 up to the 10 per cent. increase allowed in the conditions. But the design is so clearly capable of modification that I can assure you that it can readily be brought within the lower limit of cost set by the Commission, without affecting its spirit or purpose as a worthy memorial. The suggested improvements

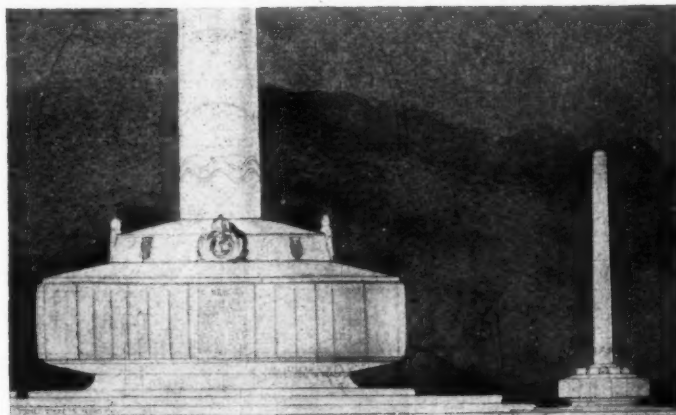
YAL NAVAL PATROL SERVICE WAR MEMORIAL, LOWESTOFT



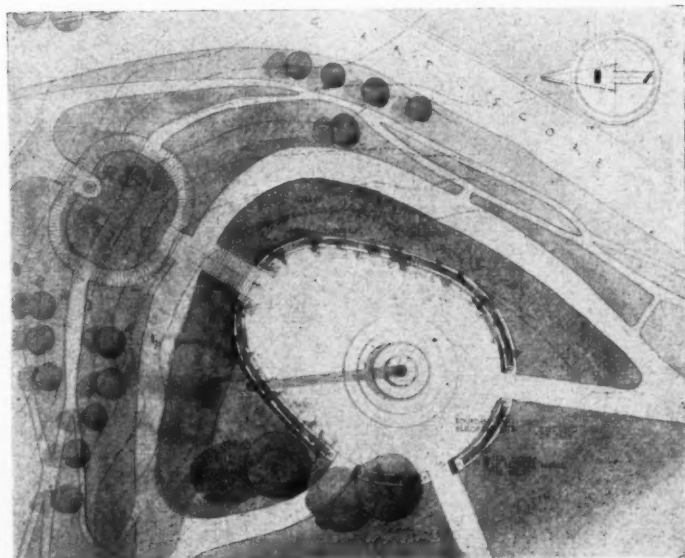
Second winning design : Front elevation.



Second winning design : Site plan.



Third winning design : Above; two views of N.E. and S.W. elevations ; below, site plan.



for the layout of the area surrounding the memorial would produce a better and more orderly setting than at present. It is hoped that this may be carried out by the Borough of Lowestoft in co-operation with the author of this design. No seats are shown but they could clearly be incorporated in the scheme. The second prize-winning design is a simple and straightforward solution to the problem but has not the inspiration of the winning design. The third winning design is a very interesting scheme, put forward with a carefully considered report, but the main shaft is negative in character and the design generally seems to express a metal rather than a stone construction."

Below is a further article in the series on the organization of a contemporary practice. At the invitation of Arcon, the firm of Messrs. Brandt & O'Dell, Thermal, Mechanical and Electrical Consulting Engineers describe the function of the consulting services engineer and the correct relationship between the engineer and the architect.

ARCON

The Architect and The Services Engineer

The advancement of scientific development necessitates specialization in the many branches of applied and research engineering. The consulting engineer is called upon to have a thorough knowledge of the latest scientific methods evolved, coupled with vision and an analytical aptitude for their various applications. To meet the prevailing conditions one of the fields for specialization is that of the consulting engineer on the mechanical, electrical and thermal services which form part of a building. No building is complete today, whatever its size, without adequate installations for lighting, power, signalization, suitable heating, ventilation, water plant, and satisfactory sanitation. It is not unusual for the architect to work with a specialist for problems of a structural nature, perhaps because of the intricacies of such problems. Not so common is the appointment of a professional engineer for the design of the engineering services. This is to be regretted, as great benefits are usually derived from such a combination. An endeavour will be made here to bring this fact before a wider circle of architects.

The engineering services form an integral part of a building, be it a dwelling house, commercial building, or factory. By co-ordinating all the services the consultant entirely relieves the architect of a great burden.

The time to call the specialist in mechanical and ancillary services is at the beginning of a scheme—preferably at the sketch stage. The architect is then able to make adequate provision for space, such as boiler house, fuel storage, location of transformer, switchgear, and like plant, so that a minimum of time is spent by him or his staff in assessing the requirements.

Moreover, in the case of factories with manufacturing processes which call for special treatment, the consulting engineer is able to give the architect the benefit of his advice, based on experience gained in the past when doing similar work. In some instances this knowledge may affect the actual construction of the building, such as providing for special insulation treatment, or floor space disposition, segregation of departments where, for example, obnoxious fumes may be detrimental to other stages of production, and many other similar queries.

Being called in at the inception of a scheme, the specialist is able to prepare an analysis of the most suitable type of plant to be installed, not only from the capital outlay point of view, but also from the running costs in the future years of operation. Unfortunately, only too often the running efficiency of plants is sacrificed, due to the necessity for restricting capital outlay at the time of planning. Ultimately, throughout the operational years, many times the initial saving will have to be expended on the upkeep of such plants, and it is even possible that they may have to be modified at great expense. The installation of plant which may lead to such an unfortunate occurrence is undoubtedly a false economy, and, if this is pointed out at the planning stage, it can be obviated.

MEANS OF ECONOMIZING

The specialists' analysis reveals amongst the numerous alternatives the most suitable scheme to be selected. All the details can then be worked out and finalized, be it plenum, radiator or panel heating, air conditioning, with or without refrigeration, solid fuel or fuel oil firing, steam or high pressure hot water, localized or decentralized domestic hot water supply, fluorescent or tungsten illumination, ring main or spider electrical distribution. When the scheme is finalized, there will be sufficient information to allow the civil engineer to make provision in his calculations and design for the incorporation of the engineering services. Plans are prepared of the trenches, chases, and holes to be left in the walls and floors during construction, and designs adjusted for the concentration of loads due to the installation of machinery and equipment. Valuable money is thus saved by this provision made at an early stage of the building construction in order to minimize the otherwise inevitable cutting away and making good which can occur during the progress of the work.

At the time of tendering, the dilemma normally confronting the architect in selecting the most suitable tender from a number of quotations based on different designs is completely eliminated because the contractor receives the specification of the contract and

the materials, dimensioned drawings of the installations, and a schedule of quantities, all of which are prepared by the consulting engineer. The offers which are then returned are thus based on a unified design specially prepared to meet the contingencies of the particular problem under consideration. The architect need have no fears or worries as to the performance of the installations. The responsibility is delegated to the consultant, who, like the architect, has to satisfy himself as to the workmanlike execution of the contract. Experience has shown that the tender submitted by firms of contractors in the same category is but little disproportionate when a well prepared scheme with all relevant documents has been issued. Such a result is, in itself, proof of the efficiency of such a method, and, of course, efficiency means lower costs.

THE COST OF A CONSULTANT

It is a fallacy to think that the employment of a consultant for the design of the engineering services adds to the ultimate costs of the building. On the contrary, it has been shown on repeated occasions that substantial saving can be realized. The views of the professional engineer are at all times, and in every respect, unbiased. He is, therefore, in a position to submit designs and select plant and equipment best suited to the work under consideration, independent of any commercial interests in a particular product or method. In one form or another, the costs of the designs have to be met. These costs are usually not known and are included in the value of the contract price when such work is done by a commercial undertaking. When employing a consultant, the costs of the designs are those represented by his fees.

In conclusion, the procedure in the relationship between the architect and the consulting engineer should be:—

- (1) The consultant should be invited to co-operate at the earliest possible stage of a scheme because of the ultimate saving of money and time by the architect and his client.
- (2) The consultant should prepare in the form of a memorandum an analysis of alternative possibilities in solving a problem, having regard to capital outlay and running costs.
- (3) The consultant should work out, and finalize in detail, the selected scheme, and then issue for tendering purposes the specification, drawings and schedule of quantities.
- (4) The consultant should assist the architect and his client in selecting the successful contractor.
- (5) He should inspect equipment under manufacture when necessary, and supervise the erection as work proceeds until tests of the plants have been satisfactorily completed.

OFFICES

at 189-191, DRUMMOND STREET, LONDON, N.W. 1
designed by FRANK SCARLETT

The Taylor Stoker company, for whom the building was erected, manufacture automatic stokers, for large furnaces, in the north of England. London is the company's centre for distribution, organization, servicing and for receiving representatives of American and other affiliated companies. The basement, which was built to form an air-raid shelter, and ground floor were partially completed in 1940; two more floors were added in 1942 and the building was completed recently.

The entrances to offices and loading bay.



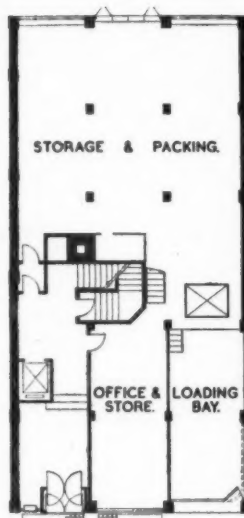
SITE.—Frontage : 33 ft. Depth : 87 ft. The London County Council permits a building 62 ft. 9 in. in height from the pavement and 40 ft. at the back; additional floors have to be set back within an angle of 56 deg.

PLAN.—Basement : storage space, boiler room and fuel store under ramp. Ground floor : lorry entrance with ramp at a gradient of 1 in 17 and 3 ft. 6 in. from lowest part of ramp to loading platform, office, storage and packing space. First floor : canteen and welfare, 802 sq. ft.; office space: 277 sq. ft. Second to fourth floors : office space, 3,666 sq. ft. Fifth floor : office space, 501 sq. ft.; two bedrooms, 204 sq. ft.; two bathrooms. Sixth floor : board room, 216 sq. ft.; caretaker's flat, 571 sq. ft. Goods are transferred from the loading platform to the basement by means of a hoist. The

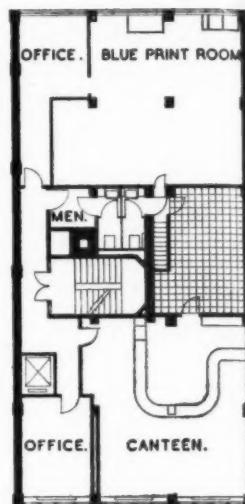
OFFICES

at 189-191, DRUMMOND STREET, LONDON, N.W.1
designed by FRANK SCARLETT

Below, the entrance hall. Bottom, office on the fourth floor.



Ground floor plan



First floor plan

bedrooms are provided for personnel and visitors of the company. A well from the second floor upwards provides outside light for the staircase, corridor and lavatories.

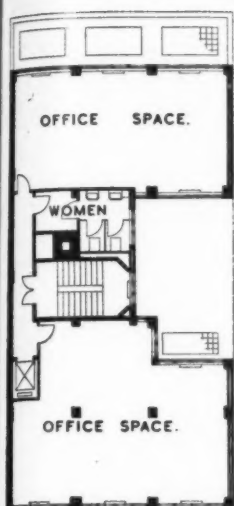
CONSTRUCTION.—Basement : reinforced concrete. General construction : steel frame. Curtain walls : 4½-in. brick, 2-in. cavity, 3-in. concrete block. Partitions : 3-in. concrete block. Floors : pot tile. Roof : hollow pot, structural screed, foamed slag screed laid to fall, two layers felt, ½-in. asphalt finish. Glass pavement lights have been laid in the set backs of the roofs. Windows : wood frame.

EXTERNAL FINISHES.—Front and back walls : buff Uxbridge flint bricks. Side walls : cream Uxbridge flint bricks. Rendering : grey. Windows : white. Doors : black. Ironwork : Venetian red.

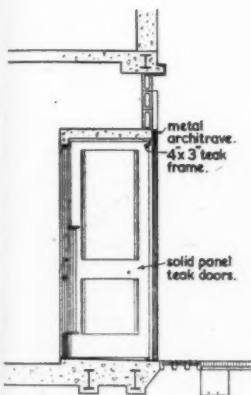
INTERNAL FINISHES.—Floors : brown asphalt. Entrance hall walls : Australian walnut plywood panels and strips of mirror. Other walls : plastered, although the original intention was to leave nearly all walls fair-face brick.

SERVICES.—Passenger lift : 6 person, 200-ft. per minute, to fifth floor. Heating : central heating. Boiler : solid fuel. Air conditioning : provision has been made for installation without any structural alteration. A duct runs up through all floors, next to the chimney. Cold water storage : two 250-gal. tanks.

The general contractors were Frank R. Freeman, Ltd. A list of sub-contractors appears on page 800.



Fourth floor plan
(Scale: $\frac{1}{4}$ " = 1'0")



Section through office entrance
(Scale: $\frac{1}{4}$ " = 1'0")



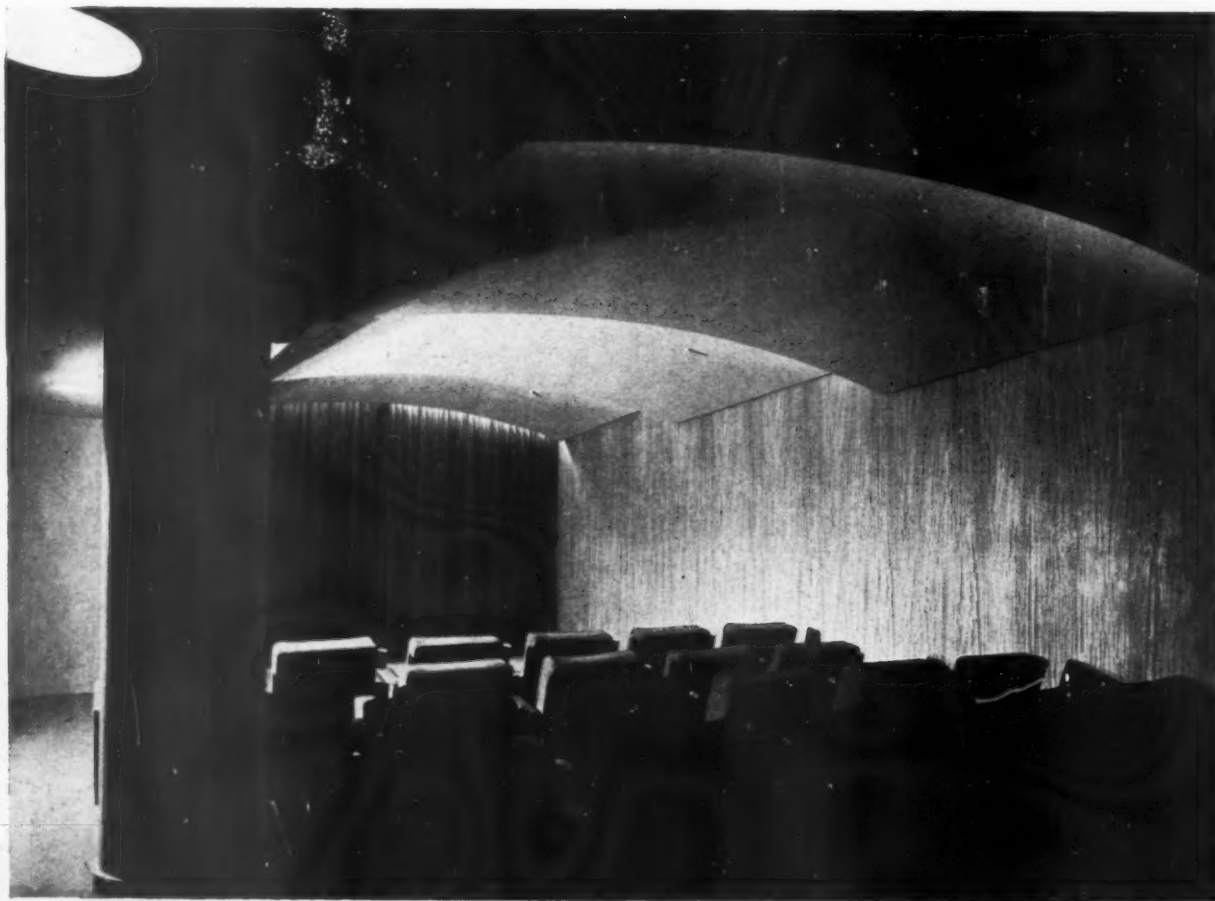
The north front facing
Drummond Street.

CINEMA

at DEAN HOUSE, DEAN STREET, LONDON, W.1
designed by ELSOM and PEARLMAN

The private cinema for RKO Radio Pictures, Ltd., is situated on the first floor of the Company's head offices. It has a seating capacity of 40 and replaces a smaller theatre which became inadequate.

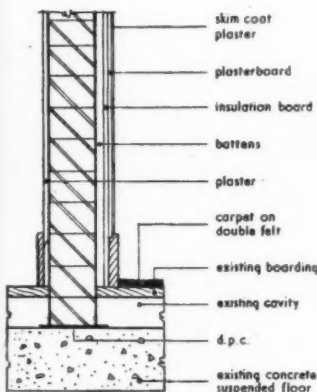
The auditorium.



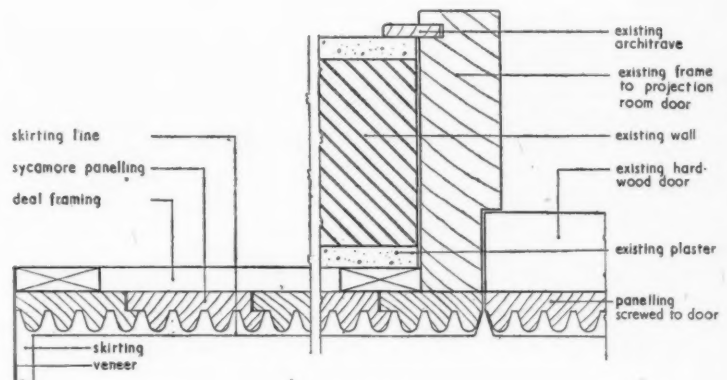


The control desk at the back of the auditorium.

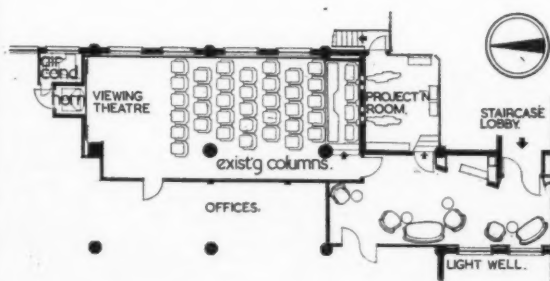
PLAN.—The cinema is planned within the limitations imposed by the existing building: 2-ft. diameter octagonal columns at 16 ft. centres, a ceiling height of 10 ft. and a height of 8 ft. 9 in. to the soffit of the beams. Accommodation provided is an auditorium, horn chamber, air conditioning chamber, projection room and foyer. Access is from a staircase lobby and from the general offices.



Detail of partition wall [Scale: $\frac{1}{2}$ "=1'0"]



Detail of east wall in foyer [Scale: 3"=1'0"]



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

CONSTRUCTION.—Exterior wall; extra skin of 2-in. breeze blocks to existing wall. Partition walls; $4\frac{1}{2}$ -in. brick, battens, insulation board, plaster board. Columns: cased with fibrous plaster. Ceilings: $\frac{3}{4}$ -in. fibrous plaster, suspended. No special acoustic treatment was necessary as the calculated reverberation times with 40 persons present were 0.8 second at 500 cps., 0.95 second at 1,000 cps., 1.0 second at 2,000 cps., and 1.43 seconds at 6,000 c.p.s.



The auditorium, looking towards the projection room.

FINISHES.—Floors: cinema, two layers felt, close mushroom carpet; foyer, close mushroom carpet. Walls: seating area, mahogany veneer; gangway, two coats of grey paint; foyer, east wall, reeded sycamore panelling, other walls mahogany veneer. Ceilings: cinema, grey; foyer, white.

FITTINGS.—Seating: tip-up, wood frame, foam rubber upholstery, moquette covering, 3-ft. 3-in. from back to back, tiers rising 2-in. Door handles: purpose-made, cast aluminium, lacquered. The control desk at the rear of the seating area provides

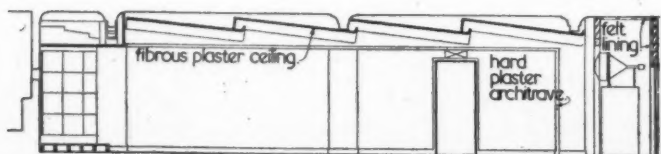
facilities for the control of sound in the auditorium and signalling arrangements to the projection room. The venetian blinds in the foyer are of aluminium, painted ivory.

SERVICES.—Lighting: seating area, concealed, two 6-ft. 80 w. cold cathode tubes bent to a 20-ft. radius for each section of the false ceiling; gangway, porthole lights, 60 w. bulbs, pearl glass screens; foyer, concealed, cold cathode tubes. Air conditioning; air is drawn through a viscous glass silk filter by a 15-in. super-silent centrifugal fan

CINEMA

at DEAN HOUSE, DEAN
STREET, LONDON, W.1

designed by ELSOM and PEARLMAN



Long section through auditorium [Scale: $\frac{1}{16}'' = 1'0''$]



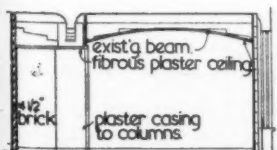
The foyer: door on right leads to the auditorium.

The foyer: windows overlook the light well.



with a capacity of 1,750 cu. ft. of fresh air per minute. The fan is carried on 3-in. cork anti-vibratory mountings and is held by a 4-in. layer of concrete. From the fan the air passes through a thermostatically controlled heating battery which warms the air to any required temperature between 32° F. and 75° F. The conditioned air passes at slight pressure and low velocity to the space above the false ceiling and then to the auditorium through the lighting troughs.

The general contractors were Robertson and Cameron (Building Contractors) Ltd. A list of sub-contractors appears on page 800.



Cross section

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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.

INFORMATION CENTRE

4.55 planning: urban and rural

REDEVELOPMENT SCHEMES

The Replanning of Obsolete City Areas. Seymour F. Morice. (J. of the Royal Sanitary Institute, Jan., 1950.)

Most valuable paper describing pioneer work, begun 1936, by Birmingham City Council on plans for redevelopment of slum areas.

This paper describes the procedure entailed in preparing for five areas redevelopment schemes whose main objective is the demolition of slum property and the provision of modern housing accommodation, and in particular it describes in detail the redevelopment scheme for the Duddleston and Nechells area.

These five comprehensive schemes for dealing with blighted areas were the first schemes to be approved under Section 9 of the 1944 Town and Country Planning Act, which gave powers for the compulsory acquisition of areas of bad layout and obsolete development.

The Duddleston and Nechells area has an acreage of 267. A survey carried out in 1947 showed that of the 6,800 houses in the area, some 5,000 were unfit for human habitation and a further 500 overcrowded. The area also contains 988 other premises including: major industrial premises and factories 15, major factories, workshops, etc. (many in old houses and derelict buildings), 105, shops—predominantly small 778, churches, etc., 12, licensed premises 60, and other buildings 18.

The new layout for the area provides for two neighbourhood units separated by an arterial road leading to the centre of the city. A total of about 3,500 people are employed in the existing factories in the area and about 40,000 in the industrial plants immediately outside the perimeter of the redevelopment area. At present industrial premises cover an acreage of about 46½, largely in one area, and the new layout provides for 54. In each neighbourhood unit, provision is made for 50 shops in one centre with an additional twenty dispersed shops sited at various points. The number of licensed premises may be reduced in view of the depleted population, as the complete scheme will entail the removal from the area of 1,850 families. The schedule for new housing comprises 4,507 dwellings made up as follows: small individual houses in terraces, 177; larger houses, 74; maisonettes in special three-storey buildings, 1,065; dwellings over shops, three- and seven-storey, 562; flats, three-, four-, eight- and twelve-storey, 2,044; and nine towers (hostels), 585. It is calculated that 14,918 persons will be housed in the 4,507 new dwellings with an average per family of 3.31 persons per dwelling.

The density of houses per acre is 41.70 and 1,316 dwellings will have private gardens, i.e., 33 per cent. of the total family dwellings will have private gardens. The hostels are 15-storey towers with one- or two-roomed

service flats and with restaurant, lounge and game-room facilities in each unit.

One of the most interesting features of this paper is an assessment of the cost of Duddleston and Nechells scheme, but the author does not claim more than that the assessment is the most accurate which can be given at this early stage of the scheme:

Acquisition of Land :

	£	£
Acquisition of land and properties	2,135,375	
Resiting of factories, including acquisition of open yards and sites of one-storey buildings ..	1,182,925	
		3,318,300

Roadworks :

Roadworks, including the cost of clearing sites, alterations to mains and services, reconstruction of bridges and the provision of subways	2,923,000
--	-----------

Sewerage :

The reconstruction and alterations of existing and the provision of new sewers	620,000
--	---------

Building Development Costs :

Dwellings, public and other special buildings	5,400,000
	£12,261,300

18.53 construction: theory

COST OF STEEL FRAMES

Lowest-Cost Framing for Small Building. Harold S. Woodward. (Engineering News Record [USA], April 20, 1950, pp. 39-40.)

One-storey garage design. Four different types of steel framing. Cost estimates from fabricators.

It does not happen too often that actual cost comparisons can be based on four different designs for one and the same building. It was only a medium-sized structure, a single-storey garage, 68 ft. span and 112 ft. long. At first bowstringing trusses in timber were thought to be the most economical type but the client objected because of higher maintenance cost and less satisfactory appearance. Then four alternative designs in steel were prepared, for which the tenders received were as follows:—

(1) Rolled steel beams and stanchions	1-032
(2) Roof trusses	1-036
(3) Open-web joists	1-164
(4) Rigid portals with full web	1-397

The figures represent the cost in USA dollars per square foot of area. The rigid portals were found to cost about 35 per cent. more than the first two types, which seems rather high, but is not surprising in view of the small tonnage. The choice was the rolled steel beam design.

19.92 construction: details

WELDED FRAMEWORK

Welded Frame Completed. (Engineering News Record [USA], April 13, 1950, p. 26.)

The steel framework for a 21-storey addition to an existing building had to be erected in New York City. 60,000 sq. ft. of office space are added. To reduce noise it was all done by welding. Similar considerations have repeatedly decided in



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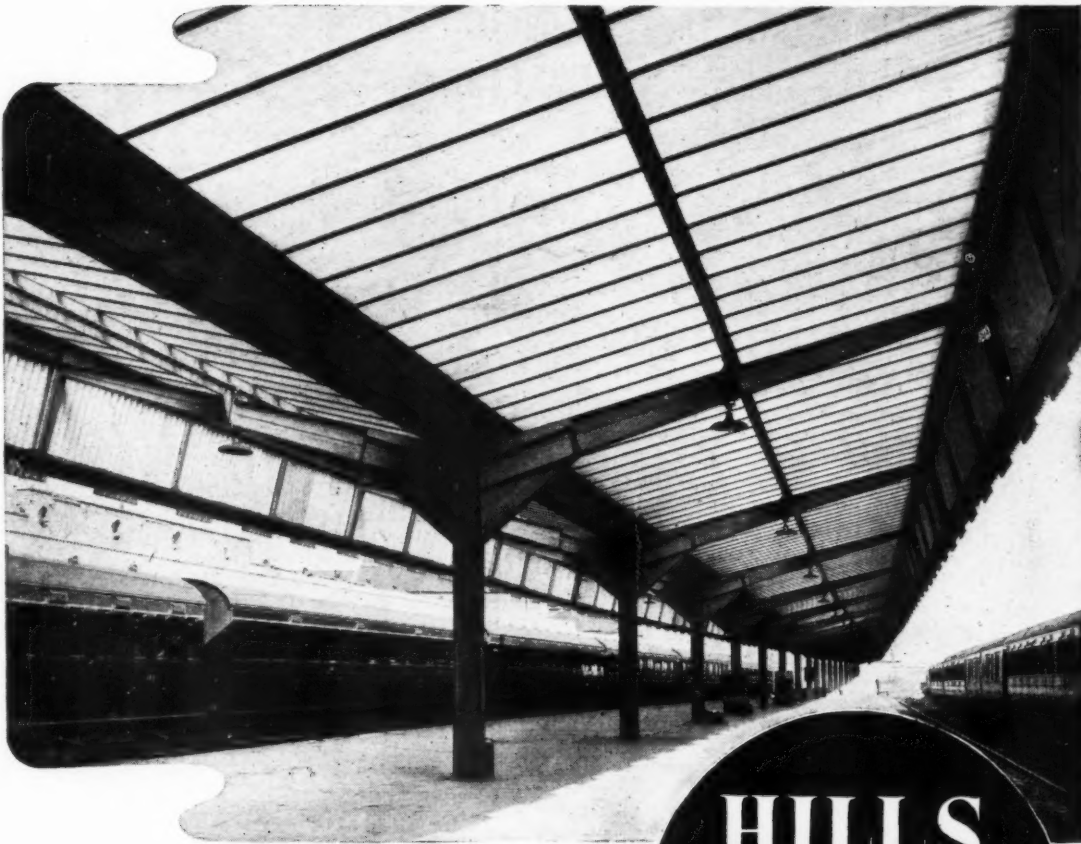
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favour of welding in closely built-up areas, e.g. in the reconstruction of the Bank of England building in the City of London before the war.

19.93 construction: details BREATHING WALLS

Windowless Plant with Breathing Walls. (Engineering News Record [USA], April 13, 1950, pp. 32-33.)

94,000 sq. ft. of lightweight metal walls. No windows or vision slots. Known materials used in an interesting combination.

Walls of aluminium (outside), steel (inside) and 1-in. glass fibre in between extend in 25-ft. depth above the top of a 12-in. thick limestone sill which caps a brick and concrete wall 8 ft. above ground level. This metal wall is supported by three horizontal lines of steel angles, at the sill line and the top and bottom chords of the welded roof trusses. This "breathing wall," with air circulating vertically between the metal sheets, is claimed to reduce condensation of moisture and is 6½ in. thick and weighs 3.75 lb. per sq. ft. A vapour seal is provided. Its thermal coefficient is 0.25, comparing very favourably with 0.50 for an 80-lb. 8-in. solid brick wall, and even better in insulation than a 120-lb. per sq. ft. 12-in. solid brick wall with a coefficient of 0.36. Both the 1½-in. channel-shaped steel panels and the 3½-in. deep box section panels of 20 g. aluminium stand on end and give vertical lines inside and out over 25 ft. depth, thus providing interesting architectural effects. Extensive use was made of stud-welding, various types of threaded studs and headless pins being used, the pre-punched panels fitting over these studs arranged in horizontal lines. The glass fibre insulation too is held in its place by these studs pushing right through it, and then capped with clips. To accommodate the expansion of the aluminium panels which is twice that of steel, vertically slotted holes were provided for the studs, except in one horizontal row midway between top and bottom. Total floor space in this plant will be 850,000 sq. ft.; 5,600 tons of structural steel are being used, and 500 tons of reinforcing steel. Welding is extensively used, which is a matter of course with a plant being built for the manufacture of welding equipment and electrodes by the Lincoln Electric Co. at Cleveland, Ohio.

23.128 heating and ventilation TEXTBOOK

Textbook of Heating and Ventilating. T. H. F. Holman, C. Cutler, A. H. Sandy, L. M. Clark. (George Newnes Ltd., 1950, 15s.)

Textbook on heating and ventilating for Intermediate Examination of the City and Guilds of London Institute.

This book has been prepared to meet the needs of heating and ventilating operatives who are studying for the Intermediate Examination of the City and Guilds of London Institute.

It should prove admirable for its purpose, for it covers all the necessary ground, is written in a clear and interesting style, and is well illustrated.

To say that it does not meet the needs of architectural students studying this subject is not in any way adversely to criticise the book: their needs are different, and it was not intended for them.

24.137 lighting DISCOMFORT GLARE

Discomfort Glare and the Lighting of Buildings. P. Petherbridge and R. G. Hopkinson. (Trans. IES, Vol. XV, No. 2, 1950.)

Technique of subjective study; discomfort and disability, source brightness, shape and size; application to design. A very important

paper for architecture, but mainly technical in present form.

Disability due to improper lighting is very well understood, largely because it is amenable to relatively simple experiments. Discomfort effects have been recognized by lighting investigators for some years (and by architects for some thousands of years), but have not been properly studied, partly because the techniques have not been developed for studying things that take place inside one's own sensory system. Techniques of investigation do not concern architects directly, but it is just worth while mentioning here that the BRS has now obviously broken into a new and difficult study.

So far as architects are concerned, it is not just one more complication, but the first real effort of lighting investigators to tackle the part of the subject that directly affects architectural design. One of the great processes in the development of traditions of design is the production of comfort in buildings, and work of the kind described in this paper is obviously going to give us a new outlook on window design as well as on light fittings. So far as the latter are concerned, we architects can only hope that lighting engineers will now give us something better than they have tried to persuade us to like in the past. Johnson-Marshall and W. A. Allen spoke somewhat along these lines in the discussion.

The main results of the reported studies are as follows:—

(a) Discomfort and disability do not necessarily go together; they are separate types of faults. A large area of low brightness which is emitting plenty of light (e.g., daylight) can cause disability without discomfort, while a bare lamp which is very bright (but is not emitting so much light) can cause discomfort without disability. In the first case the trouble is the large amount of light entering the eyes compared with the light on other surfaces, and in the second case the brightness is too great regardless of the amount of light.

(b) If a large source is very bright it can cause discomfort, and relatively small changes in its brightness cause relatively big changes in discomfort. A large window (e.g., a window-wall in a classroom) can cause discomfort in some kinds of weather, but a coat of dirt can noticeably reduce it. So also can other ways of reducing brightness, such as by louvres, translucent blinds, and external canopies.

Conversely, a source of low brightness can be increased in size without discomfort, while a bright source cannot. Thus a window-wall may be a good treatment in some kinds of weather, while needing the louvre or blind treatment in other kinds.

A critique of daylight and window-wall design could be deduced from these findings.

(c) Disability can be reduced by removing a glare source only a little distance from the line of view, but discomfort can only be reduced if its cause is well removed from the line of view. This affects the location of fittings, for instance on the placing of glass areas in factories.

(d) Glare effects are mainly additive; i.e., a cause of discomfort repeated many times causes much increased discomfort.

(e) A long vertical line of light is more uncomfortable than a horizontal line.

(f) Increases in illumination cannot safely be obtained just by increasing the brightness of the sources, and improvements in levels of illumination obtained in this way may be entirely balanced out by the tiring effects of increased discomfort.

(g) It is more comfortable to grade from high brightness to low rather than to do the change in one step. This affects the materials used for light fittings as well as the design of window surrounds.

The paper concludes with some design

data. In the present state of knowledge this is probably more useful to engineers doing fittings than to architects. There are three technical appendices.

Those who were able to attend the paper were treated to a remarkable series of demonstrations of the ideas.

26.65 services and equipment: miscellaneous INSTALLATION AND MAINTENANCE OF ELECTRICAL MACHINES

Installation & Maintenance of Electrical Machines, Transformers, Rectifiers, Capacitors and Associated Equipment. BS C of P 321.102 (1950). (British Standards Institution, 4s.)

BS C of P covering installation of various forms of electrical equipment.

Although this Code of Practice is primarily of importance to electrical engineers, "Electrics" now form so large a part of the equipment of many buildings that many architects will wish to consult it also.

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

QUESTIONS AND ANSWERS

3025 SOUND INSULATING FLOORS

Q I am acting as consulting engineer in connection with a very large (wholly monolithic RC) office building, and am disposed to recommend floating screeds on fibreglass quilt to deal with impact sound on floors. It has, however, been suggested that this construction is useless owing to leakage of cement laden water into the quilt with consequent solidification of the latter.

I feel that with reasonable lap of building paper cover and with reasonably dry concrete this should not arise, but would ask your advice on the matter.

A I believe that there is some difficulty with the floating floors. A recent lecture by Parkin of the Building Research Station reports measurements on sound insulation installations in actual buildings and notes that the levels of insulation recorded are often substantially lower than the values which were obtained in measurements in the laboratory. Obviously imperfections in the execution of the work would tend to nullify the value of the applied insulation.

The difficulty, of course, is the deplorably low standard of workmanship and supervision these days. Acoustic insulation depends on absolutely faithful attention to and perfection in detail. A relatively small "bridge" detracts almost completely from the value of special insulation.

The answer to your question really depends on your local conditions. If your builder is good and conscientious and the supervision first class, and if you can afford to stand over the job at the appropriate time you should get the sort of result which was obtained in the laboratory.

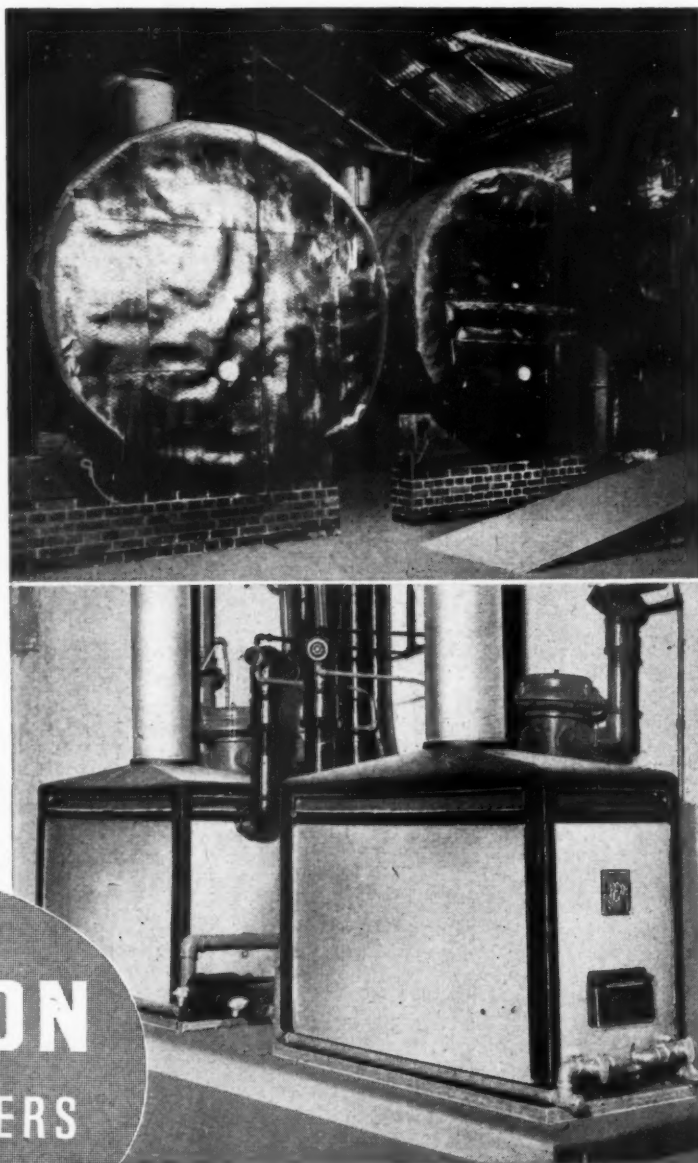
I question whether, in fact, you actually need a special insulation in an office building. There are perhaps a few rooms such as conference rooms and one or two of the higher executive's rooms where the noise level would normally be so low that intruding sound could be a nuisance, but for most of the rooms the noise level would normally be so high that intruding noise through the structure would pass unnoticed. There is also the question of street noise; on many sites this is so great that it is the dominant factor, and again special insulation is hardly justified.

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THE NEXT TEN YEARS OF PLANNING

By Ian Bowen

"PRE-PLANNING" AND DESIGN

In the recent spate of reports on the building industry much was made of the newly christened art of "pre-planning." Jargon apart, this meant apparently that the architect, as business man, designer and organizer, should play a far bigger part in the early stages preparatory to the letting of contracts, and that his plans should be detailed and made well in advance of the commencement of work.

In this country the architect is too often thought of (and thinks of himself) as an expensive item, as one who adds frills and embellishments, and whose rôle in the design of small dwellings especially is advisory rather than creative, and still less economic. But design is always, from one aspect, an economic process. The theoretical client with the bottomless purse has not darkened many architect's doors (since the days of the late F. Anstey's "Brass Bottle"). Today design has, for two reasons, to be economic; because the country as a whole is necessarily more aware of the economic problem, and because of the greater range of technically available alternatives.

The new honour given to "pre-planning" means an enhanced place for the British architect. Is he ready to assume the crown, now that greatness is being so pointedly thrust upon him?

THE BUILDING INDUSTRY'S ORGANIZATION

It is an unaccustomed rôle that he is being asked to play. For the architect is now being seen not only as a professional man, but as a key figure in the industrial organization of building, and even of civil engineering. In some countries, notably America, according to the reports, "pre-planning" has already reached a very advanced stage of application in conjunction with a highly developed industry (which there includes civil engineering). In others, such as Scotland and Denmark, the co-ordinating rôle actually played by the architect is due not so much to the advanced state of organization of the building industries as to their backwardness. Where the industry is almost entirely small-scale and specialist the task of co-ordination inevitably falls upon the architect. The numerous crafts are worked into a single scheme by the architect in the absence of a general contractor.

In England, however, if architects are to play a bigger part they will do so against a very different background. There are many small firms in England and Wales, but the industry as a whole does most of its output through the medium of the larger firms. The architect's economic problem is therefore a different one; not how to co-ordinate some hundreds of specialist trades, but how to work with and through a general contractor. He also has to define his relationship, in some instances, to a host of specialist sub-contractors. Some of these he may even have "nominated" himself. Their work, and the design of their product, must harmonize with the purposes and expenditure plan of the grand design. As for the main contractors with whom the English architect works, these vary in quality and in the degree of their managerial skill. Some are competent enough to assist in, or take over, all progressing of the work. Others have to be shepherded along the path.

MEANS OF ECONOMY

There is not much doubt that, taking a long view, advantage will have to be taken for the housing programme of every kind of economy that is available; already the subsidy policy for new council houses is proving very burdensome. Two kinds of economy have been discussed (e.g., in the Girdwood committee's second report): The first involves some sacrifice in the amenities and/or the size of the local authority houses, and the second implies a greater concentration of work in the hands of the larger contractors. For quite definite evidence has begun to accumulate of the savings that can be secured on relatively large schemes, both in money and in man-hours.

LARGE-SCALE CONTRACTS

What the Girdwood Committee said specifically on this point, it will be remembered, was that "on average a contract of 20 houses requires some 250 to 350 fewer site man-hours per house than a contract for 4 houses of similar type. The average contract for 40 houses shows a further, but smaller, reduction of some 100 man-hours per house, and there are further reductions in man-hours for still bigger contracts." Over England and Wales as a whole 39.1 per cent of dwellings being built are being put up in contracts containing over 50 dwellings each, but in the large towns and cities (population 75,000) the proportion is 72.3 per cent.; thus the larger centres of population obtain the economic advantages of large-scale building operations.

What is true of housing must also be to some extent true of other kinds of building. Economies of scale are quite important in many types of contract. Nor is scale of operation the only factor making for economy in building in or near the larger towns and cities. The prices of materials for delivery in these areas are nearly always lower than for delivery to the remote sites. This provides an added incentive to build near the existing urban centres.

If "pre-planning," or, in other words, greater architectural control, is to be increased in Great Britain it will have to be increased in conjunction with large-scale urban building enterprise to a very large extent. The architect's office is itself likely to become larger in scale. An increasing average size of operations (i.e., of contracts) is a tendency that must have widespread effects.

There are, of course, many factors working in the opposite direction. The local authorities jealously guard their autonomy as separate housing agencies, thus tending to keep the average size of public housing contracts smaller than the economic optimum. Similarly, there is a tendency for local public authorities each to treat their own contracts for public buildings as unique; and as building licences are more freely given, there will be a number of individuals and firms with relatively small-scale requirements.

POSSIBLE INCREASED TREND TOWARDS LARGE CONTRACTS

Nevertheless the trend towards larger contracts seems likely over the next ten years to be stronger than the contrary eddies. The economic position of the country might, of course, deteriorate to the stage when all building programmes are stopped; but this seems extremely unlikely. And short of such a deterioration the worst that can happen is a slump, in which case a fairly large emergency constructional programme would almost certainly be sponsored by the Government of the day. In the event of unforeseen prosperity, on the other hand, there would, without doubt, be a steadily expanding capital programme.

THE YEARS AHEAD

The next ten years has, then, to be thought of as a period of great constructional activity, which can only be upset by some rather cataclysmic event. This period is likely to see a close attention to economy. But economy itself demands an increasing scale of enterprise, as well as an intensified use of architectural planning. The kind of future for which the young architects of today should be preparing themselves is therefore one in which large-scale building enterprise is likely to become increasingly important.

The recent discussions whether or not the housing programme should be 200,000 houses a year or 175,000 have tended to put the whole question into an entirely wrong perspective. Twenty-five thousand houses represent a large sum of money (about £37 million), but this is only 3½ per cent. of all constructional work being done. The more serious point for the building industry as a whole (and from the national point of view) is whether construction as a whole is to continue to run at about the rate of £1,000 million a year. The argument here advanced is that this rate is likely to be maintained.

THE SHARE OF HOUSING

The next issue is what proportion of this total can eventually be spared for new housing? On paper a much bigger share could go to housing, but in practice it is difficult to see how this could be found until the timber shortage is overcome, and in any case it would be difficult now to cut other parts of the programme. The Housing Returns suggest that during the current year housing completions will continue at the monthly rate of about 15,000 houses (there was a drop in April after the exceptionally high figure for March), rising gradually next year to a few thousand more per month. Any substantial change in this output could only be made by drastic reductions in licences issued for other kinds of building.

But in terms of a ten-year programme this low figure for housing is not likely to be maintained; the continued political importance of housing needs has become obvious in the last few months. While the old talk of 400,000-500,000 houses a year is not likely to be revived, some increase on the 200,000 average is quite possible in the mid-1950's.

LONG-TERM PLANNING

The long-term planning of this programme would give rise to many economies, and to the avoidance of the bottlenecks of materials which have arisen much too frequently since 1945. It is time now that the programmes of the 1950's were being laid down in some detail, and if more than lip-service is to be paid to the principle of "pre-planning," the work to be done has to be put to tender in very good time. But first it must be planned out in detail. It is all very well for official and semi-official committees to lecture the industry on pre-planning; unless the work to be permitted and encouraged is known literally some years in advance the architect's part in the preparation of drawings cannot be timed to the best advantage. How much better could the supply of materials be planned ahead if drawings were available in detail many months ahead of the dates of required deliveries. Every report emphasizes the need for reforms in this direction; but the huge task still remains to be done of bringing many more of the projects of the next ten years into an exact focus, and for this the building owners have an even greater responsibility than the profession or industry.

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The headquarters of the DSIR has left Dorland House and Rex House, Regent Street, London, S.W.1, and moved into Charles House, 5-11, Regent Street, S.W.1. The telephone number will remain Whitehall 9788.

Leo O. L. Hannen & Partners have taken into partnership John H. Markham, and the firm will in future practise in the name of Leo O. L. Hannen & John H. Markham, F.R.I.B.A., from 7, Victoria Street, Westminster, S.W.1, and from Liverpool (tel.: Abbey 2033/4 and 4264, and Liverpool Central 3680).

Herbert Kenchington, F.R.I.B.A., and Kenneth and Margaret Farms, A./A.R.I.B.A., are entering into partnership with Denzil Nield, A.R.I.B.A., and the firms of Kenchington & Farms and G. E. Nield & Son are being amalgamated. The new partnership will be under the name of Kenchington, Farms & Nield and will be carried on at 130, Crawford Street, W.1 (tel.: Welbeck 6543). The partnership between Denzil Nield and Peter Goodridge, A.R.I.B.A., and Elizabeth Foster has been dissolved by mutual consent on Mr. Nield giving up his appointment at the AA School of Architecture. Peter Goodridge will continue to practise at 49, Welbeck Street (tel.: Welbeck 5643), where he will be pleased to receive trade catalogues.

A. W. J. Mullins, L.R.I.B.A., chartered architect, has opened an office at Borchamgate House, King Street, Sudbury, Suffolk, and will be pleased to receive catalogues and samples.

Buildings Illustrated

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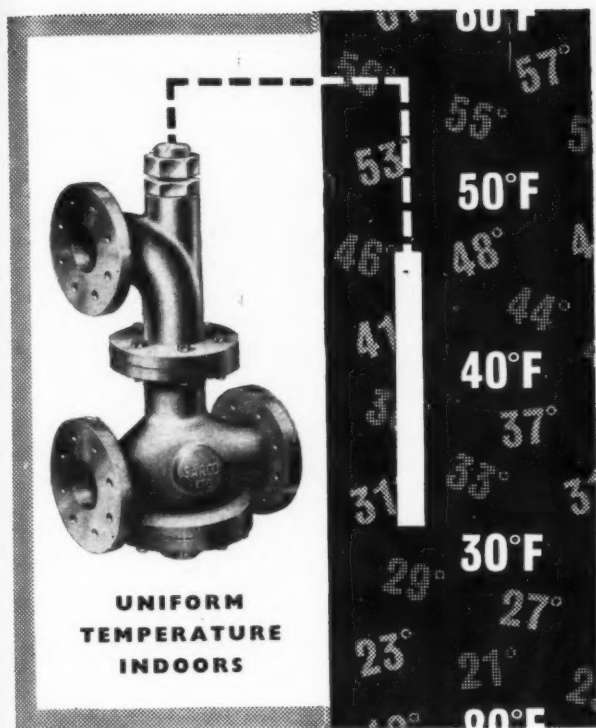


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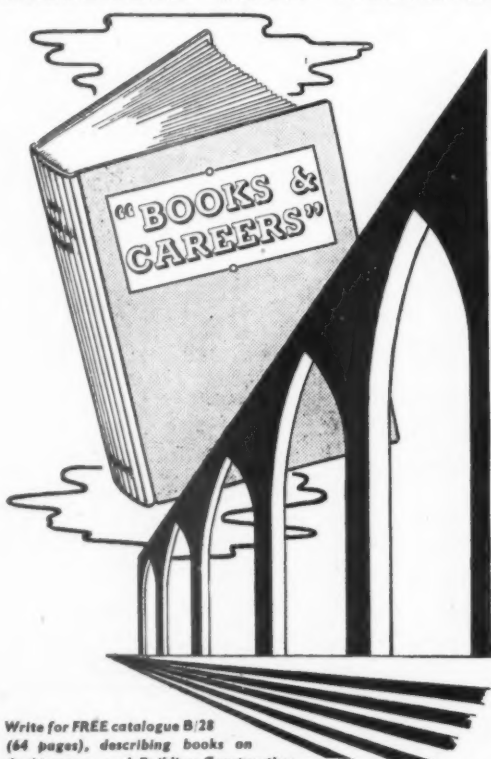
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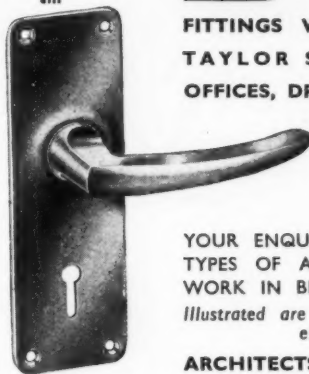
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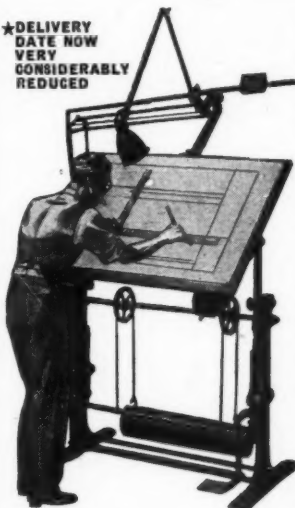
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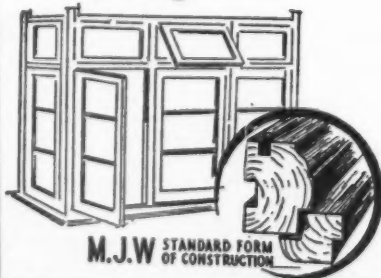
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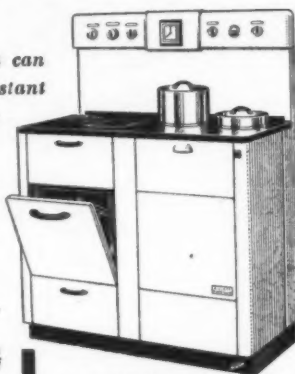
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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 3, 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 Announcement

25s. per inch; each additional line, 2s.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: EMPLOYMENT REGISTER, WREN PARK, WHITELEAF. 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 £550 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 9757. 4341

THURROCK URBAN DISTRICT COUNCIL.

ARCHITECTURAL ASSISTANT, GRADE VI. Applications are invited for the appointment of an Architectural Assistant, at a salary in accordance with Grade VI of the A.P.T. Division of the National Scale of Salaries, i.e., £595 per annum, rising by three annual increments to £660 per annum.

Candidates should be Associates of the Royal Institute of British Architects, and should be experienced in the preparation of drawings, specifications and estimates for building and architectural work, undertaken by a Local Authority, particularly in connection with housing schemes on a large scale.

Housing accommodation, if necessary, will be provided for the successful candidate if he lives more than 20 miles from the district.

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

Applications, endorsed "Architectural Assistant, VI," stating age, qualifications and experience, and quoting three references, should reach the undersigned not later than the first post on Tuesday, the 4th July, 1950.

Canvassing will disqualify, and applicants must disclose in writing any relationship to any member or senior officer of the Council.

A. E. POOLE, Clerk of the Council.

Council Offices, Whitehall Lane, Grays. 9th June, 1950. 4548

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.**ARCHITECTS' DEPARTMENT.****PLANNING STAFF.**

Applications are invited for positions of PLANNING OFFICER, Grade I (£240-£260), Grade II (£200-£240), Grade III (£250-£270), and TECHNICAL ASSISTANT (up to £280). The positions are superannuable. Candidates for Grade I positions should have architectural and town planning qualifications, and will be engaged on Reconstruction Areas and Detailed Planning. Candidates for Grade II and III positions should have architectural or surveying qualifications with town planning qualifications in addition, and will be engaged on Development Plan, Development Applications and Detailed Planning. Technical Assistants are required for work on Development Applications and Detailed Planning.

Particulars and application forms from the Architect (AR/P/P), The County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. (385) 3915

FLINTSHIRE COUNTY COUNCIL.**COUNTY PLANNING DEPARTMENT.**

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

(a) PLANNING ASSISTANT. Salary £480 per annum, rising to £525 per annum. (Grade A.P.T., IV.)

(b) ARTIST/DRAUGHTSMAN. Salary £390 per annum, rising to £435 per annum. (Grade A.P.T., I.)

Applicants for (a) must have had good experience in Town and Country Planning, and should have passed at least the Intermediate Examination of the Town Planning Institute.

Applicants for (b) must be expert free hand draughtsmen and colourists, with good experience in perspective work and architectural drawing and lettering.

The possession of a motor car would be an advantage in connection with appointment. (a). Appropriate mileage allowances will be paid in accordance with the National Joint Council's Scales.

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

Applications will be considered from registered disabled persons.

Applications, on a form to be obtained from the undersigned, together with the names and addresses of three persons to whom direct reference can be made, are to be submitted to me not later than the 10th July, 1950.

W. HUGH JONES,

Clerk of the County Council. County Buildings, Mold. 4592

CITY AND COUNTY OF THE CITY OF EXETER.

Applications are invited for the appointments of ASSISTANT QUANTITY SURVEYORS on the Permanent Staff of the City Architect's Department. The salary will be in accordance with A.P.T., Grade VI (£595 to £660 per annum). Applicants must be thoroughly experienced in the preparation of Bills of Quantities, Interim Valuations and Final Accounts.

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

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

Applications, stating age, qualifications, previous and present appointments and salaries, full details of experience, and the earliest possible date when available, together with copies of recent testimonials, should be sent to H. B. Rowe, F.R.I.B.A., A.M.I.Struc.E., City Architect, 2, Southemhay West, Exeter, not later than the 7th July, 1950.

C. J. NEWMAN, Town Clerk.

Exeter. June, 1950. 4683

LONDON COUNTY COUNCIL.**ARCHITECTS' DEPARTMENT.**

Architect to the Council: ROBERT H. MATTHEW.

Deputy Architect: J. L. MARTIN.

APPOINTMENT OF SCHOOLS' ARCHITECT AND ASSISTANT SCHOOLS' ARCHITECT.

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

(1) SCHOOLS' ARCHITECT. £1,500-£1,600-£1,700.

The Schools' Architect will be responsible to the Architect to the Council for the organisation and direction of the Schools division dealing with the design and erection of educational buildings of all types. The position calls for experience in contemporary architectural design and modern methods of construction and standardisation, qualities of leadership and organising ability of a high order.

(2) ASSISTANT SCHOOLS' ARCHITECT. £1,250-£1,350-£1,550.

To assist the Schools' Architect mainly in the sphere of design.

Candidates may be appointed at any point on the scale, according to their qualifications and experience. No age limits. Experience of public architecture not essential. It is unnecessary for candidates who applied in response to a previous advertisement to apply again.

Form of application available from the Architect to the Council (AR/EK/SA), County Hall, S.E.1, enclosing stamped addressed foolscap envelope. Application forms to be returned not later than 13th July, 1950.

Canvassing disqualifies. (831) 4586

LONDON COUNTY COUNCIL.**ARCHITECTS' DEPARTMENT.**

Applications are invited for positions of ARCHITECT, Grade III (£250-£270) and TECHNICAL ASSISTANT (up to £280) for work on new housing, schools, and other public buildings. The positions are superannuable. Candidates for Grade III positions should possess professional qualifications. Application forms from the Architect (AR/P/S), The County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. (384) 3914

EAST RETFORD RURAL DISTRICT.**ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of a JUNIOR TECHNICAL ASSISTANT to the Architect of the Council. Previous experience essential. Salary for the post will be in accordance with Grade A.P.T., I, of the National Scales (£350-£415-£435), and be subject to the usual conditions of service laid down in the National Charter.

Applications stating age, education, qualifications, experience, present and past appointments, and accompanied by copies of two recent testimonials, should be received by the undersigned not later than the 12th July, 1950.

R. L. GAY,

Clerk of the Council. 40, Grove Street, Retford, Notts. 4608

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

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

(a) ONE ASSISTANT ARCHITECT. Salary Grade V, commencing at £520 per annum, and rising to £570 per annum. Preference will be given to Associate Members of the Royal Institute of British Architects, with good general experience in design and construction.

(b) ONE ASSISTANT ARCHITECT. Salary Grade IV, commencing at £480 per annum and rising to £525 per annum. Applicants should have had good experience in the preparation of working drawings, and preference will be given to applicants who have passed the Intermediate Examination of the Royal Institute of British Architects.

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

Candidates called up for interview will be required to undergo a medical examination by the County Medical Officer.

A lodging allowance of 26s. per week will be paid for a period up to six months to the successful candidates who are married (or, if single, with dependent and unable to secure housing accommodation in the district, as from the date of their appointment).

Further particulars regarding the appointments may be obtained from Mr. N. Sq. Johnson, A.R.I.B.A., A.M.T.P.I., County Architect, Shire Hall, Llangefni, Anglesey.

Applications, stating age, training, experience, qualifications, names of two referees, and accompanied by a copy of one recent testimonial, are to be sent so as to reach the undersigned not later than Monday, 24th July, 1950.

WILLIAM JONES,

Clerk of the County Council. Shire Hall, Llangefni, Anglesey. 15th June, 1950. 4601

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

Applications are invited for the above appointment at a salary in accordance with Grade IV of the A.P. and T. Division of the National Scales (£480, rising by annual increments of £15 to £525 per annum).

Applicants should have had experience in housing design, specifications, and particularly in Quantities, measurement of variations, and the settlement of final accounts.

Preference will be given to candidates possessing recognised qualifications.

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

Housing accommodation will be provided, if required.

Applications, giving particulars of qualifications and experience and the names of two persons to whom reference can be made, and accompanied by a copy of one recent testimonial, must be delivered to the Engineer and Surveyor, Council Offices, Swanspool, Wellingborough, by the 10th July, 1950, in an envelope endorsed "Architectural Assistant."

W. G. PALMER,

Clerk of the Council. Council Offices, Swanspool, Wellingborough. 19th June, 1950. 4606

RURAL DISTRICT COUNCIL OF NEW FOREST.**QUANTITY SURVEYOR, GRADE VII.**

Applications are invited for a Quantity Surveyor, A.P.T., Grade VII, who should have experience in taking off, abstracting, billing, measuring up, and settling final accounts, and preference will be given to an Associate R.I.C.S. (Quantities).

The applicant should have had at least 5 years' practical experience with a Local Authority or practising Quantity Surveyor.

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

The Council will be prepared to consider applications for housing accommodation from married candidates.

Applications, stating age, qualifications, experience, present appointment and salary, together with the names of three persons to whom reference may be made, are to be delivered to the undersigned not later than the 3rd July, 1950.

L. C. ADAMS,

Engineer and Surveyor. Council Offices, Lyndhurst, Havts. 4563

WARWICKSHIRE COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

Applications are invited for the under-mentioned appointments on the established staff:—

ASSISTANT ARCHITECT. A.P.T., VII, £635-£710 per annum.

ASSISTANT ARCHITECT. A.P.T., VI, £595-£660 per annum.

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

Application forms can be obtained from C. H. Elkins, F.R.I.B.A., A.R.I.C.S., Shire Hall, Warwick.

L. EDGAR STEPHENS,

Clerk of the Council.

Shire Hall, Warwick. 4648

BOROUGH OF SOUTHALL.

Appointment of:

(a) ARCHITECTURAL ASSISTANT.

(b) JUNIOR ENGINEERING ASSISTANT.

Applications are invited for three permanent appointments on the staff of the Corporation. Salary for appointment (a) in accordance with Grade A.P.T., III, of the National Scheme (£450×£15-£495), and for appointment (b) in accordance with Grade A.P.T., II, of the National Scheme (£420×£15-£465). Appropriate London weighting is payable in both cases.

Candidates for appointment (a) should have passed the Intermediate Examination of the R.I.B.A. and have had previous Local Government experience.

Candidates for appointment (b) should have had training in Municipal engineering, and should be taking the examinations for a recognised engineering qualification.

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

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him not later than 17th July, 1950.

J. S. SYRETT,

Town Clerk.

Town Clerk's Offices, South Road, Southall, Middx. 4621

BOROUGH OF WORTHING.

CHIEF TOWN PLANNING ASSISTANT.

Applications are invited for the above position in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade VIII of the Administrative, Professional and Technical Division of the National Joint Council Scale of Salaries, i.e., £685, rising to £760 per annum. Applicants must be Corporate Members of the Town Planning Institute. Previous experience in a similar capacity is essential.

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 "Chief 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, Town Hall, Worthing, not later than first post on Monday, the 10th July, 1950.

ERNEST G. TOWNSEND

Town Clerk.

Town Hall, Worthing. 4636

Revised Advertisement.

BOROUGH OF ABERYSTWYTH.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, at a salary in accordance with Grades II to IV of the National Scale of Salaries (£420-£525). The commencing salary will be fixed according to the applicant's qualifications and experience.

Applicants should have had previous experience in Housing and Public Buildings, and should be members of a recognised professional Body.

The appointment is subject to:—

- (1) The National Joint Council Scheme of Conditions of Service.
- (2) The provisions of the Local Government (Superannuation) Act, 1937.
- (3) The passing of a medical examination.
- (4) Termination by one month's notice on either side.

Housing accommodation will be offered to the successful applicant if required.

Applications, stating age, qualifications, experience, etc., and giving the names of two persons to whom reference can be made, and endorsed "Architectural Assistant," must reach the undersigned not later than 10th July, 1950.

Applicants should state whether to their knowledge they are related to any member or senior officer of the Council.

Canvassing, directly or indirectly, will be a disqualification.

H. D. P. BOTT,

Town Clerk.

Town Hall, Aberystwyth. 4635

COUNTY BOROUGH OF BOURNEMOUTH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

SENIOR ARCHITECTURAL ASSISTANT. Established post. Salary Grade A.P.T., IV, £480-£525 per annum.

Applicants should have had two years' experience after passing R.I.B.A. Intermediate Examination, and preference will be given to applicants with knowledge of educational building in accordance with the requirements of the 1944 Act.

CLERK OF WORKS. Unestablished post. Salary £360 per annum, rising after one year's satisfactory service to Grade A.P.T., I, £390-£435 per annum.

The successful candidates will be appointed at their present salary if such salary is within the incremental scale of the advertised posts.

The above appointments will be terminable by one month's notice, in writing, on either side, and subject to the provisions of the Local Government Superannuation Act, 1937, also to the conditions of service in accordance with the National Scheme.

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

No assistance can be offered regarding housing accommodation.

Applications, on forms to be obtained from the Borough Architect, Town Hall, Bournemouth, accompanied by copies of three recent testimonials, to be returned to the undersigned in envelopes endorsed "Staff Architectural," not later than 9 a.m. Saturday, 15th July, 1950.

A. LINDSAY CLEGG,

Town Clerk.

Town Clerk. 4659

LONDON COUNTY COUNCIL.

BRIXTON SCHOOL OF BUILDING.

Required as soon as possible two full-time Temporary LECTURERS. Able to teach Quantity Surveying or Building Construction, and to assist with tutorial and studio work in these subjects.

Applicants should be suitably qualified. Previous teaching experience will be a recommendation.

Burnham scale salary, plus London allowance, with additions for approved qualifications, training and experience. Application forms (stamped addressed foolscap envelope necessary) are obtainable from the Secretary at the School, Ferndale Road, S.W.4, and should be returned by 17th July, 1950. (849) 4600

HIS MAJESTY'S COLONIAL SERVICE.

A vacancy exists for an ASSISTANT TOWN PLANNER, Survey Land and Mines Department, Uganda Protectorate. The appointment is on contract/gratuity terms for a tour of 30-36 months, at a salary of £1,000 to £1,200 per annum, depending on qualifications and experience. A gratuity at the rate of 15 per cent. of nine-tenths of total emoluments will be payable on satisfactory completion of a tour of service.

Candidates must be fully qualified in planning and/or architecture, and should be Associate Members of the Town Planning Institute or of the Royal Institute of British Architects. In any case they should at least have passed the examination leading to these qualifications. Age 30 to 35 years. The selected candidate will be required to assist the Government Town Planner in preparing schemes for Kampala, Jinja and other centres. He should be a good draughtsman and will be required to supervise and direct the work of the Drawing Office, to attend meetings when required, and to inspect areas. He may be required to act for the Government Town Planner when that officer is on leave.

If Government quarters are occupied a deduction of 10 per cent. of the salary or if at a hotel 5 per cent. of the salary is made for rent. Free 1st class passages for officer, his wife and children up to three adult fares in all. Free medical attention. Home leave after three years at the rate of five days for each month of residential service.

Intending candidates should apply for further particulars and application form to the Director of Recruitment, Sanctuary Buildings, Great Smith Street, S.W.1, giving brief details of age, qualifications and experience immediately, quoting reference No. 27281/27. 4613

DERBYSHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

APPOINTMENT OF TEMPORARY DRAUGHTSMEN.

Vacancies exist on the temporary staff for competent ARCHITECTURAL DRAUGHTSMEN, with experience in the office of a private architect or architectural department of a Local Authority.

The salary will be on the Miscellaneous Division, Grade II Scale (i.e., £375 to £420 per annum). The appointments, which are for a period of one year in the first instance, are subject to the Council's Conditions of Service, and applications from registered disabled persons would be considered.

Canvassing, either directly or indirectly, will be a disqualification, and candidates should state whether they are, to their knowledge, related to any member of the Council or to any senior official.

Applications, stating age, qualifications and experience, accompanied by one recent testimonial and the names of two persons to whom reference can be made, should reach the undersigned at 8a, Bold Lane, Derby, not later than 7th July, 1950.

MAURICE J. HELLIER,

County Planning Officer.

4658

DERBYSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

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

QUANTITY SURVEYORS.

(a) A.P.T., Grade VIII. Salary £685×£25 to £760 per annum.

(b) A.P.T., Grade VII. Salary £635×£25 to £710 per annum.

(c) A.P.T., Grade V. Salary £520×£15 (2) and £20 (1) to £570 per annum.

(d) A.P.T., Grade III. Salary £450×£15 to £495 per annum.

Applicants for (a), (b), (c) and (d) must have had experience in the preparation of estimates, taking-off quantities for all trades, measuring up and preparing final accounts.

Applicants for (a), (b) and (c) must also be in possession of an appropriate professional qualification.

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.

The County Council is not in a position to assist successful applicants with housing accommodation.

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

Applications to be made on a form to be obtained from the undersigned, to whom it must be returned, accompanied by copies of three recent testimonials not later than 8th July, 1950.

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

F. HAMER CROSSLEY, Dipl.Arch.,

F.R.I.B.A.,

County Architect.

St. Mary's Gate, Derby. 4634

COUNTY BOROUGH OF MERTHYR TYDFIL.

BOROUGH ENGINEER, SURVEYOR AND ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the above Department:—

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

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

Candidates for (a) must have had considerable experience in the design and construction of houses, clinics, public buildings and general architectural work, in the preparation of specifications, bills of quantities and estimates in connection therewith. Applicants must be Associate Members of the Royal Institute of British Architects.

Candidates for (b) must be Associate Members of the I.Mun.E. or have equivalent qualifications and have had good Municipal engineering experience. Preference will be given to applicants who have had Private Street Works experience.

The appointments will be subject to:—

- (1) Scheme of Conditions of Service of the National Joint Council.
- (2) Provisions of the Local Government Superannuation Act, 1937.
- (3) The passing of a satisfactory medical examination.

(4) One month's written notice on either side.

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be delivered to the undersigned not later than Friday, the 14th July, 1950.

Canvassing in any form will be deemed a disqualification.

T. S. EVANS,

Town Clerk.

12th June, 1950. 4650

DURHAM COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the appointment of Architectural Assistants in the following grades, in accordance with the National Joint Council for Local Authorities, Administrative, Professional, Technical and Clerical Services scales and conditions:—

Grade A.P.T., VIII, £685-£760.

Grade A.P.T., VII, £635-£710.

Grade A.P.T., VI, £595-£660.

Grade A.P.T., V, £520-£570.

Grade A.P.T., IV, £480-£525.

Grade A.P.T., III, £450-£495.

Grade A.P.T., II, £420-£465.

Grade A.P.T., I, £390-£435.

The persons appointed will be required to pass a medical examination, and the appointments are subject to the Local Government Superannuation Act, 1937.

Canvassing will disqualify, and a candidate who is related to a member or a senior officer of the Council must disclose this fact in his application.

Applications, giving particulars of age, experience, and qualifications, previous and present appointments, etc., and giving the names of three persons to whom reference can be made, should be forwarded at once to Mr. G. R. Clayton, F.R.I.B.A., County Architect, Court Lane, Durham, and in any case not later than Tuesday, 4th July, 1950.

J. K. HOPE,

Clerk of the County Council.

Shire Hall, Durham. 4646

LONDON COUNTY COUNCIL.
BRITTON SCHOOL OF BUILDING,
FERNDALE ROAD, S.W.4.
 Required as soon as possible. Part-time
 visiting **TEACHERS OF QUANTITY SURVEY-**
ING for Day or Evening Classes. Applicants
 should be suitably qualified and experienced.
 Application forms and further particulars are
 obtainable from the Secretary at the School. (846)
 4599

BOROUGH OF WEDNESBURY.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.
 Applications are invited for the appointment
 of an Architectural Assistant, in the Borough
 and Surveyor's Department, at a salary in
 accordance with A.P.T., Grade VI (£595 to £660
 per annum).

Applicants must be Associate Members of the
 Royal Institute of British Architects, and be ex-
 perience in the design, erection and maintenance
 of houses, flats and public buildings.
 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.

Applications, stating age, qualifications and
 experience, and enclosing copies of two recent
 testimonials, are to be received by the Borough
 Engineer and Surveyor, Mr. Arthur Booth,
 F.R.I.B.A., M.I.Mun.E., not later than 7th July,
 1950.

G. F. THOMPSON,
Town Clerk.

Town Hall, Wednesbury, Staffs.
 19th June, 1950. 4598

GOVERNMENT OF NORTHERN IRELAND.
MINISTRY OF FINANCE.
CHIEF ARCHITECT'S BRANCH.

Applications are invited for **ASSISTANT**
ARCHITECT posts in the Ministry of Finance.
 Subject to a probationary period of two years,
 the posts are permanent and pensionable.

Remuneration: The scale is £500×£25-£750.
 The entry point to this scale depends on age,
 viz., £500 at age 26, plus £25 for each year
 above that age. The upper entry point is, how-
 ever, subject to a limit of £650 per annum.

Qualifications: Candidates must be Registered
 Architects by examination. In addition, they
 must have had at least two years' experience in
 an Architect's office or department in the pre-
 paration of working drawings for new buildings.

Preference will be given to candidates who
 have served in H.M. Forces in wartime, provided
 that such candidates can, or within a reason-
 able time will be able to, fill the posts efficiently.

Closing date for receipt of Applications:
 Application forms may be obtained from the
 Secretary, Civil Service Commission, Stormont,
 Belfast, to whom they must be returned with
 copies of two recent testimonials, so as to reach
 him not later than the 14th July, 1950. 4601

NORTHUMBERLAND COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.

Applications are invited from persons with suit-
 able qualifications for the appointment of a
SENIOR PLANNING ASSISTANT, at a salary
 in accordance with Grade VI (A.P.T.) of the
 National Joint Council's scale of salaries (£595-
 £660 a year).

Candidates for the appointment should be
 Members of the Town Planning Institute or hold
 a professional qualification of the Royal Institute
 of British Architects or the Royal Institution of
 Chartered Surveyors.

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 Super-
 annuation 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, on forms to be obtained from the
 undersigned, must be submitted not later than
 the 22nd July, 1950.

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

County Hall, Newcastle-upon-Tyne, 1. 4623

STAFFORDSHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

APPOINTMENT OF PLANNING STAFF.

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

AT HEADQUARTERS OFFICE-STAFFORD.

ENGINEERING SERVICES SECTION.

(a) **SENIOR ASSISTANT, A.P.T., Grades VII-**

VIII. Salary from £635-£760 per annum.

(b) **ASSISTANT, A.P.T., Grades IV-VI.**

Salary from £480-£660 per annum.

ESTATES AND SURVEY SECTION.

(c) **ASSISTANT, A.P.T., Grades IV-VI.**

Salary from £480-£660 per annum.

AT AREA OFFICES, STAFFORD, NEW-

CASTLE-UNDER-LYME, AND WOLVER-

HAMPTON.

(d) **SENIOR ASSISTANTS, A.P.T., Grades**

VII-VIII. Salary from £635-£760 per annum.

Applications should be submitted not later than

the 15th July, 1950, to D. W. Riley, County

Planning Officer, 41a, Eastgate Street, Stafford,

from whom further particulars of the appoint-
 ments and of the information to be supplied by
 applicants can be obtained.

T. H. EVANS,
Clerk of the County Council.

County Buildings, Stafford.

20th June, 1950. 4645

THE URBAN DISTRICT OF HAVANT AND
WATERLOO.

CLERK OF WORKS.

Applications are invited from qualified persons
 for the post of Clerk of Works in connection
 with the Council's Housing programme.

The appointment will be on a temporary basis,
 dependent on the progress made with Post War
 Housing, and will be subject to one month's
 notice on either side.

The inclusive salary will be £3 10s. per week.
 Applicants must have a thorough knowledge of
 the building and allied trades, be fully con-
 versant with plans and specifications, competent
 in the measurement and setting out of work and
 maintaining records.

Forms of application can be obtained from the
 Engineer of the Council, Council Offices, 1, Park
 Road North, Havant.

Applications, on the forms provided, endorsed
 "Clerk of Works," to be sent to the undersigned
 not later than first post on Saturday, the 8th
 July, 1950.

ALBERT E. MADGWICK,
Clerk of the Council.

Town Hall, Havant.
 19th June, 1950. 4609

CARDIGANSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the permanent
 appointment of **ARCHITECTURAL ASSISTANT**,
 in the Architect's Department, Aberystwyth,
 on Grade A.P.T., III-IV (£450-£525 per annum).
 The commencing salary will be fixed in ac-
 cordance with the successful candidate's training and
 experience.

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

Candidates should preferably have passed the
 Intermediate Examination of the R.I.B.A., and
 should have a good general experience in archi-
 tectural work.

Applications, endorsed "Architectural Assis-
 tant," stating age, experience, previous appoint-
 ments, present appointment and salary, together
 with two recent testimonials, and the name of
 one referee, should be delivered to the under-
 signed within two weeks of the publication of
 this advertisement.

ERIC CARSON,
Clerk of the Cardiganshire County Council.

County Council Offices, Aberystwyth.

14th June, 1950. 4697

BOROUGH OF FINCHLEY.

HOUSING AND TOWN PLANNING

DEPARTMENT.

APPOINTMENT OF CLERK OF WORKS.

Applications are invited from suitably qualified
 persons for the appointment of Clerk of Works
 on the temporary staff for the supervision of
 certain Housing Scheme Contracts.
 Candidates should have a practical knowledge
 of all branches of the building trade, be able to
 read plans and work from Bills of Quantities, and
 have experience in the supervision of the erection
 of buildings.

The salary will be within Grade A.P.T., IV,
 of the National Scales (£480-£525 per annum),
 plus £30 London weighting.

Applications, stating age, qualifications, experi-
 ence, appointments held and salary, together
 with copies of two testimonials (of which at least
 one should be recent), or the names of two
 referees, should be sent to: I. Fooks, F.A.I.,
 Housing and Town Planning Officer, Housing and
 Town Planning Department, The Avenue,
 Finchley, N.3, not later than 6th July, 1950.

R. M. FRANKLIN,
Town Clerk.

4612

SOMERSET COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Applications are invited for the following per-
 manent appointment:—

SENIOR PLANNING ASSISTANT, in the

Taunton Area Office, A.P.T., V, £520, rising to

£570 per annum.

The appointment is subject to the Local
 Government Superannuation Act, 1937.

Applicants should be Members or Associate
 Members of the Town Planning Institute or have
 some other appropriate professional qualifica-
 tion and have had experience in a Planning
 Department for an area including both town
 and countryside.

Applications are to be made on forms obtained
 from the undersigned, and must be submitted on
 or before the 15th July, 1950.

R. W. DALE,
County Planning Officer.

41, Upper High Street, Taunton.

19th June, 1950. 4665

COUNTY BOROUGH OF CROYDON.

BOROUGH ENGINEER'S DEPARTMENT.

ASSISTANT ARCHITECT.

Applications are invited for this appointment
 from qualified persons, with a good general
 knowledge of housing. Salary A.P.T., V, £520×
 £15-£570 p.a., plus London weighting.

If the successful candidate is unable to obtain
 reasonable living accommodation the Corporation
 will endeavour to assist him.

Form of application may be obtained from the
 Borough Engineer, Town Hall, Croydon, and
 should be returned to him not later than 14 days
 after this advertisement is published.

Canvassing will disqualify.

E. TABERNER,
Town Clerk.

Town Hall, Croydon.

15th June, 1950. 4650

BOROUGH OF ILFORD.

Appointment of:

(a) **ARCHITECTURAL ASSISTANT, A.P.T.,**

GRADE VII.

(b) **ARCHITECTURAL ASSISTANT, A.P.T.,**

GRADE IV.

(c) **TRACER, General Division.**

Applications are invited for the following
 appointments on the staff of the Borough Engi-
 neer's Department:—

(a) **ARCHITECTURAL ASSISTANT, Per-**
manent staff. Salary in accordance with A.P.T.,
 Grade VII, £635×£25-£710 per annum, plus
 London weighting. Candidates should be
 Chartered Architects and Corporate Members of
 the Royal Institute of British Architects, and
 have a thorough knowledge of architectural
 works, with practical experience in design and
 development of public buildings of all types,
 housing schemes, etc., the preparation of speci-
 fications, and be capable of supervising and con-
 trolling contracts.

(b) **ARCHITECTURAL ASSISTANT, Tem-**
porary staff. Salary in accordance with A.P.T.,
 Grade IV, £480×£15-£525, plus London
 weighting. Candidates should possess approved
 qualifications and have general architectural ex-
 perience in Municipal buildings, particularly
 with regard to the preparation of contracts and
 all working drawings.

(c) **TRACER, Temporary staff.** Salary in
 accordance with the General Division, according
 to age, e.g., at age 16-£145 per annum for men,
 and £118 per annum for women; at age 21-£240
 per annum for men, and £198 per annum for
 women; at age 26-£335 per annum for men, and
 £276 per annum for women; rising to £415 per
 annum for men and £338 per annum for women
 at age 32. Salaries quoted are inclusive of
 London weighting. Candidates should be neat
 and expeditious draughtsmen and women, pre-
 ferably with previous Municipal experience.

The Council is prepared to consider (if neces-
 sary) the question of housing accommodation in
 connection with appointments (a) above.

The above-mentioned appointments are whole
 time ones (private practice being prohibited), are
 subject to one month's notice on either side, to
 the provisions of the Local Government Super-
 annuation Acts, the National Scheme of Condi-
 tions of Service and medical examination.

Forms of application may be obtained from
 the Borough Engineer and Surveyor, Town Hall,
 Ilford, and should be returned to the under-
 signed not later than the 8th July, 1950.

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

K. F. B. NICHOLLS,
Town Clerk.

Town Hall, Ilford.

June, 1950. 4610

NORTHERN POLYTECHNIC, HOLLOWAY,

LONDON, N.7.

The Governing Body invite immediate applica-
 tions for appointment to the following positions
 in the Department of Architecture, Surveying,
 and Building:—

(1) **LECTURER ON STRUCTURAL ME-**
CHANICS. The Teacher appointed will be re-
 quired, in the first instance, to lecture
 on Elementary Mechanics and Structures,
 and will also be required to lecture on Building
 Materials and other allied subjects, according
 to his professional training and experience.

Membership of a professional body by examina-
 tion is a desirable qualification, and previous
 teaching experience will be an advantage, but is
 not essential.

(2) **STUDIO MASTERS IN ARCHITECTURAL**
DESIGN. Applicants should be Associates of the
 R.I.B.A., and preferably have been trained in a
 Recognised School. Previous teaching experience
 is desirable, but not essential.

Members of the staff are permitted to engage
 private practice.

Burnham (Technical) Scale salary.

Form of application, together with full par-
 ticulars, will be forwarded on receipt of a stamped
 addressed foolscap envelope.

R. H. CURRELL,
Clerk.

4647

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) **ASSISTANT ARCHITECTS, Salary A.P.T.**

Division, Grade VI, £595-£660.

(c) **ARCHITECTURAL ASSISTANTS, Salary**

A.P.T. Division, Grade III, £450-£495.

The selected applicants will be required to
 pass a medical examination, and the appoint-
 ments 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 appoint-
 ments (a) and (b).

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 Tuesday,
 4th July, 1950.

HARRY TAYLOR,
Town Clerk.

Town Hall, Stoke-on-Trent.

15th June, 1950. 4596

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) **ASSISTANT QUANTITY SURVEYOR.** Grade VIII, at a commencing salary of £685, rising by annual increments of £25 to a maximum of £760 per annum, plus London allowance of £30 per annum.

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

(b) **ASSISTANT ARCHITECT.** Grade V, at a commencing salary of £520, rising by annual increments of £15/£20 to a maximum of £570 per annum plus London allowance of up to £30 per annum, according to age.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects, and have had a good training and an adequate experience in the design and construction of modern buildings.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 15th July, 1950.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration. The Council will be unable to provide any housing accommodation, and the successful applicants will be expected to make their own arrangements in this direction.

DUDLEY AUKLAND,

Clerk of the Council.

County Hall, Kingston-upon-Thames. 4622

**BOROUGH OF SHREWSBURY.
TEMPORARY ARCHITECTURAL ASSISTANT.**

Applications are invited for the above post, which is a temporary appointment for a period of 12 months only, with no possibility of extension. The salary will be fixed according to the qualifications and experience of the person appointed, with a maximum of £700 per annum.

The person appointed will be required to take charge of all work connected with the repair, adaptation and decoration of a large public assembly hall and ancillary buildings, and candidates must be well experienced in the writing of specifications, preparation of rough quantities, and contract drawings covering all building trades.

Applications, on forms obtained from the Borough Surveyor (Mr. F. R. Dinnis, A.M.I.C.E.), must be completed and submitted to him on or before the 10th day of July, 1950.

S. R. H. LOXTON,

Town Clerk.

Guildhall, Shrewsbury. 4657

June, 1950.

BEDFORDSHIRE COUNTY COUNCIL.

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

ESTIMATING SURVEYOR. A.P.T., Grade IV (£480-£525).

Preference will be given to applicants with knowledge of present day pricing in a builder's office, and experience in certifying payments on account and finalising contracts.

JUNIOR QUANTITY SURVEYOR. A.P.T., Grade III (£420-£465).

Applicants should be studying for the qualifying examinations of the Royal Institution of Chartered Surveyors and have experience in working-up.

The appointments are subject to the Local Government Superannuation Act, 1937, and to the National Conditions of Service.

The Council has adopted a scheme of providing flats for staff as property becomes available. An allowance of 25s. per week is paid to married officers who are unable to obtain housing accommodation and who have to maintain their families in another district.

Application forms can be obtained from the undersigned, to whom they should be returned not later than 8th July, 1950.

J. B. GRAHAM,

Clerk of the County Council.

Shire Hall, Bedford. 4649

COUNTY BOROUGH OF CROYDON.

SCHOOL ARCHITECT'S SECTION.

ASSISTANT ARCHITECT.

Applications are invited for this appointment. Salary: Grade A.P.T., V, £520 to £570 p.a., plus London weighting.

The appointment is established and pensionable, subject to medical examination. Forms of application may be obtained from the Chief Education Officer, Katharine Street, Croydon (by sending stamped foolscap envelope), and must be returned to him within 14 days from the publication of this advertisement.

Living accommodation is not offered. Canvassing will disqualify.

E. TABERNER,

Town Clerk.

June, 1950. 4611

MINISTRY OF WORKS—DIRECTORATE

GENERAL OF WORKS.

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

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

Applications, stating age, present and previous appointments, training qualifications, etc., should be sent to the Assistant Regional Director (Administration), Ministry of Works, Government Buildings, Hawkenbury, Tunbridge Wells. 4241

THE NORTH-WESTERN ELECTRICITY BOARD.

**NO. 5 SUB AREA.
APPOINTMENT OF BUILDING AND CIVIL ENGINEERING ASSISTANT.**

Applications are invited for the appointment of Building and Civil Engineering Assistant at the No. 5 Sub Area Headquarters, Jubilee Street, Blackburn.

Applicants should have had extensive experience in the preparation of designs, working drawings and details for buildings of an industrial and commercial type, and should be able to prepare specifications.

The successful candidate will be required to supervise work in progress and should have a knowledge of quantities and estimating. He will also be responsible for the repair and maintenance of the Board's property within the Sub Area.

Preference will be given to those applicants who are members of an appropriate professional institution.

The salary, which is provisional and subject to negotiation with the appropriate body, will be within the range £650-£800 per annum, depending on the qualifications and experience of the successful applicant.

Applications, stating age, qualifications and experience, present position and salary, should be received by R. H. Harral, Esq., M.I.E.E., M.Inst.E., No. 5 Sub Area Manager, The North-Western Electricity Board, Jubilee Street, Blackburn, not later than Saturday, 8th July, 1950. 4666

COUNTY OF LINCOLN—PARTS OF LINSEY.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited from keen young men wishing to enlarge their experience for TWO ASSISTANT ARCHITECTS, at a salary of £595 per annum. The appointments are on the temporary staff for a duration of twelve months. Applicants need not have had previous local government experience, but preference will be given to those having recently successfully completed a full time course at a School of Architecture or have had good practical experience.

Applications, stating age, qualifications, and experience, and accompanied by two testimonials, should be sent to the undersigned not later than Saturday, the 8th July, 1950.

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

A.M.T.P.I., County Architect.

County Offices, Lincoln. 4667

CITY AND COUNTY OF BRISTOL.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of Grade VII (£635-£710) SENIOR ASSISTANT ARCHITECT in the Housing Section, and Grade V (£520-£570) SENIOR ASSISTANT ARCHITECT in the Education and Housing Section.

Applicants should be Associate Members of the R.I.B.A. or hold equivalent qualifications. Experience in Local Authority office work will be an advantage.

Appointments are subject to the provisions of the Local Government Superannuation Acts, 1937 and 1939, and successful applicants are required to pass a medical examination. All appointments are 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 not later than Monday, the 10th July.

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

City Architect.

Eagle House, Colston Avenue, Bristol, 1. 4668

CITY AND COUNTY OF BRISTOL.

CITY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF PERSONAL ASSISTANT.

Applications are invited for the above appointment on the permanent staff. Duties will be exclusively administrative, and consideration will be given to applications from both qualified Architects and persons not so qualified. Salary Grade A.P.T., IX (£750-£900), or X (£850-£1,000), according to qualifications.

The appointment will be subject to the provisions of Local Government Superannuation Acts, 1937 and 1939, and terminable by one month's notice on either side. The successful applicant will be required to have a medical examination.

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

Applications, giving details of age, education, experience and qualifications, together with the names of three referees, are to be delivered to the undersigned not later than 10th July, 1950.

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

City Architect.

Eagle House, Colston Avenue, Bristol, 1. 4669

BOROUGH OF HESTON AND ISLEWORTH.

APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the permanent appointment of a Senior Architectural Assistant in the Department of the Borough Engineer and Surveyor (salary in accordance with A.P.T. VII, £635-£725-£710 per annum, plus London weighting of £30 per annum).

Applicants must have passed the examination for the Associateship R.I.B.A., or hold a University degree or diploma in architecture accepted by that Institution.

The person appointed must have had good experience in architectural design and building work under construction. His or her duties will include preparation or sketch designs, working drawings, and the handling of building contracts under construction. Experience in housing and multi-storied flats will be considered to be an advantage.

Applications, on forms to be obtained from the Borough Engineer and Surveyor, 88, Lampton Road, Hounslow, must be returned to him not later than noon on Monday, 17th July, endorsed "Senior Architectural Assistant."

HAROLD SWANN,

Town Clerk.

June, 1950. 4670

Partnership and Financial

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

F. R.I.B.A., A.M.T.P.I., with 15 years' experience in Town Planning and Architecture, desires to purchase Architect's Practice or active Partnership; any district considered, but preference for Southern England. Box 4637.

Architectural Appointments Vacant

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

YOUNG ASSISTANT, interested in Ecclesiastical work required in private East Midlands office; student considered. Full particulars to Box 4167.

ARCHITECTURAL ASSISTANT, of Intermediate standard, required immediately by firm of Architects in West End of London; salary according to experience and qualification. Box 4403.

ARCHITECTURAL ASSISTANT required; Intermediate standard; small progressive London office. Write, stating age, experience, qualifications, salary, etc., Box 4463.

CHIEF ASSISTANT, with good all-round experience, capable of taking charge from sketch plan to final stage; good prospects, salary and bonus to right man. Write, stating age and experience, to: Bromley & Cartwright, 111, London Road, Derby. 4666

ARCHITECTURAL ASSISTANTS required in Architect's Department of engineering firm; must be experienced in industrial work and be capable of preparing Surveys, Working Drawings, Details, etc. Write, stating experience, age, salary required, and when available to: Chief Architect, Geo. Adlam & Sons, Ltd., Fishponds, Bristol. 4507

JUNIOR ARCHITECTURAL ASSISTANT required, up to R.I.B.A. Intermediate standard, for London office; capable of executing working drawings, etc.; to start immediately; interesting work, and scope for applicant showing initiative. Apply in writing, stating age, training, experience and salary required, to: Elie Mayorcas, F.R.I.B.A., 35, David Mews, W.1. 4491

QUALIFIED SENIOR ASSISTANT required for provincial private practice with varied works in hand; pleasant 5-room flat and garage provided. Apply, giving full particulars and salary required, to: Deacon & Laing, 9, St. Paul's Square, Bedford. 4489

SENIOR ARCHITECTURAL ASSISTANT required by Architect to London Brewery; must be a practical and good draughtsman, experienced in construction, and aged not under 35 years; salary £600 to £700. Write, stating age, training, qualifications and experience, to Box 4518.

SENIOR ASSISTANTS required in Architect's office of large commercial institution in London; preference will be given to men of R.I.B.A. Final standard, about 35 years old, who are experienced in the design and supervision of good class buildings, specifications, and maintenance work; permanency and allowance following retirement offered to suitable applicants. Write, without submitting testimonials but giving particulars of past work and stating salary required, Box 4407.

EXPERIENCED ARCHITECTURAL ASSISTANT required for Country Town office; car driver; salary £450, plus rent free flat (if married); £500 (if single). Reply with full details to Box 4577.

ASSISTANT ARCHITECT required in general office, Curzon Street, W.1; one accustomed to conversion work an advantage; age 27-35; salary £500-£600, according to experience; applicants should state previous experience, appointments held; pension facilities after 12 months' service. 4580

ARCHITECTURAL ASSISTANT required in Westminster office of Consulting Engineers. Apply, stating age, experience, qualifications, and commencing salary required. Box 4664.

TWO experienced general ASSISTANTS required by London Architects, one with knowledge of gothic design essential. Particulars to Box 4662.

GLOUCESTERSHIRE.

ARCHITECTURAL DRAUGHTSMEN urgently required by large company manufacturing Factory-made Buildings for home and export; fully experienced in the preparation of schemes and layouts, working drawings, and specifications for contract negotiations. Reply with age, experience, and salary required, Box 4660.

SENIOR ARCHITECTURAL ASSISTANT required, with good experience; capable of taking charge from sketch plans to final stage. Apply by letter, stating age, qualifications, experience, and salary required, enclosing copy testimonials, Mackintosh, Beecroft & Partners, 11, Orchard Street, Bristol, 1. 4602

THREE ARCHITECTURAL ASSISTANTS required; JUNIOR, Intermediate, for Local Authority; private house and industrial work; car allowances and a superannuation scheme. Write, stating salary required, to Gordon Payne & Preece, Architects, 19, Clarence Street, Gloucester. 4605

ARCHITECTURAL ASSISTANT required in Reading; Intermediate or higher standard; Housing, Schools and industrial experience; salary by arrangement. Apply Box 4616.

ASSISTANTS required in private practice; Intermediate standard; efficiency in surveying and plotting buildings a necessity, also good general architectural experience required. Clark, 19, Dunraven Street, W.L. Mayfair 5091. 4642

ARCHITECT AND SURVEYING ASSISTANT required, of senior standard, for general commercial work in London. Write, stating age, experience, qualifications, salary, etc., to Waite & Waite, 36, Cavendish Square, W.L. 4651

ARCHITECTURAL ASSISTANT required to take charge; experienced in Hospital, Licensed Premises and Domestic Work, with possible future Partnership; office in Essex, 18 miles from London. Apply Box 4652.

KENYA COLONY.—Fully qualified **ARCHITECTURAL ASSISTANT** with several years' office experience wanted; salary £840-£930-£990; free passage out; preferably single man. Write, stating age, qualifications, experience, past serious illness, to Overseas Architects' Service, Box 2308. 4655

JUNIOR ARCHITECTURAL ASSISTANT required, up to R.I.B.A. Intermediate standard, for London office; capable of executing working drawings, etc.; to start immediately; interesting work, and scope for applicant showing initiative. Apply in writing, stating age, training, experience and salary required, to: Elie Mayorcas, F.R.I.B.A., 13, David Mews, W.L. 4491

ARCHITECTS. SENIOR ASSISTANTS required. Should have good knowledge of commercial and industrial buildings and contemporary design. Apply in writing to S.C.W.S., Ltd., Architectural Department, 119, Paisley Road, Glasgow, C.5. Envelopes to be endorsed "Architect." 2025

ARCHITECTURAL ASSISTANT required for work in connection with Local Authority and private Housing, Factories, Churches, Farm Buildings, etc.; applicants need not be qualified, but must be competent to handle projects throughout with the minimum supervision; salary up to £500, dependent upon ability. Write to D. C. Denton-Smith, L.R.I.B.A., Chartered Architect, 40, Regent Street, Cambridge. 4579

Architectural Appointments Wanted

ARCHITECT, with many years' varied and extensive experience, seeks responsible position, with good prospects; capable of taking complete charge of busy office, and seeing jobs through from start to finish; please state salary, etc. Box 540.

A.R.I.B.A., aged 30, 12 years' office experience, desires responsible position in West of England, Devon or Cornwall preferred. Box 544.

SENIOR ASSISTANT, A.R.I.B.A., Dip.Arch.(Lond.), taking T.P. Final June, with 11 years' varied experience, desires progressive position, South-West or Southern Counties. Box 543.

ARCHITECT'S ASSISTANT (age 30) desires change; now in Yorkshire, would consider appointment in London suburbs; available October; salary £700. Box 545.

STUDENT, Dip.T.P., A.R.I.B.A., requires practical T.P. experience; London area. Box 546.

Other Appointments Vacant

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

INTELLIGENT and enthusiastic, young man, with some knowledge of building construction and materials, wanted for unusually interesting selling job, mainly in London (full-time). Write, with full particulars of age, training, experience, salary required, to Box 366.

CITY Surveyors require experienced **ASSISTANT**, 35/50 years, to supervise building operations on 10/20 sites in the London area; contracts £5,000 to £50,000, mainly commercial properties; qualified man preferred; salary range £600 to £750 p.a. Write Box 4619.

LAND AND BUILDING SURVEYOR required by Architect to London Brewery; must have a good knowledge of the Town and Country Planning and London Building Acts; applicants should have considerable practical experience of all applications made to County Councils, Local Authorities, and the Licensing Justices, and be capable of preparing surveys of structures and schedules of dilapidations; salary £700 to £800. Applications, stating age, training and experience, to be made in writing to Box 4519.

THE CO-OPERATIVE WHOLESALE SOCIETY, LTD., invite applications for the following appointment on the Staff of the Manchester Architect's Department:—

ASSISTANT QUANTITY SURVEYOR. Salary range £510 to £625 per annum. Applicants must have a sound experience in the preparation of Bills of Quantities, measuring and adjusting variations for large commercial buildings, and able to undertake work with a minimum of supervision.

The above appointment is permanent, and offers prospects of up grading to a competent Assistant. The successful candidate will be required to undergo a medical examination for entry into compulsory Superannuation Scheme.

Applications, stating age, experience, qualifications and commencing salary required, to be addressed to the Chief Architect, Co-operative Wholesale Society, Ltd., 1, Balloon Street, Manchester, 4. 4555

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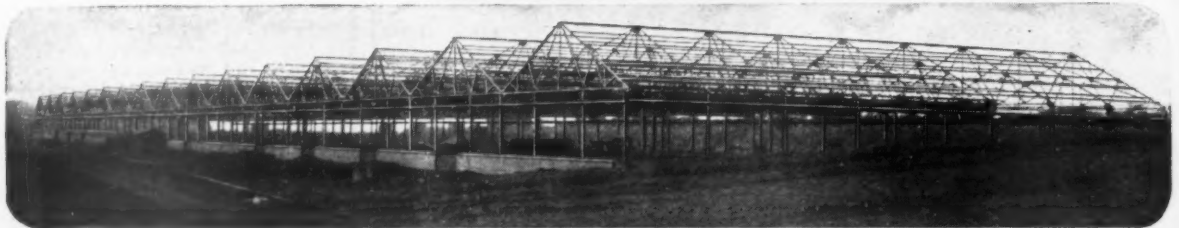
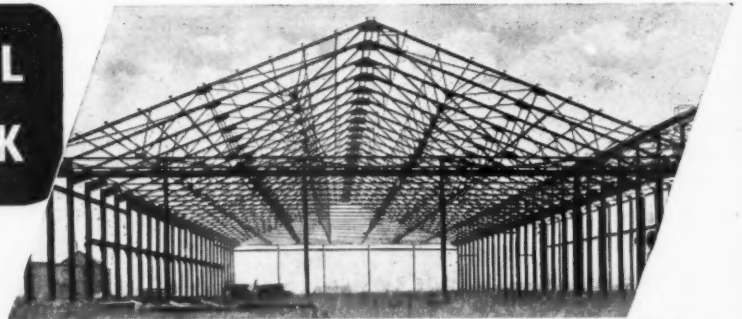
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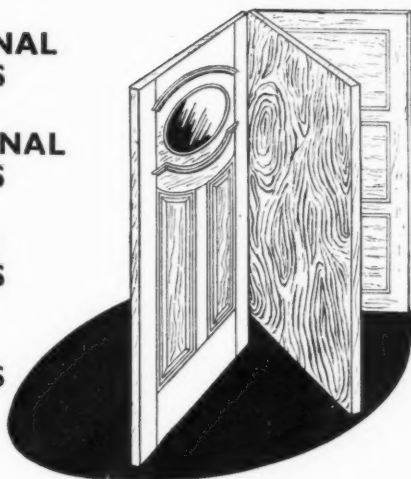


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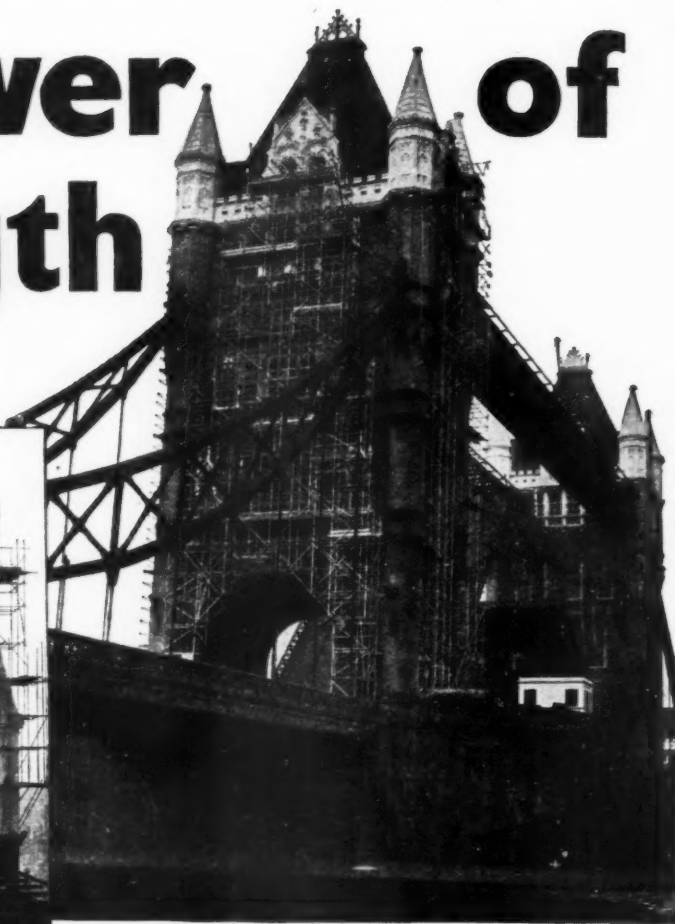
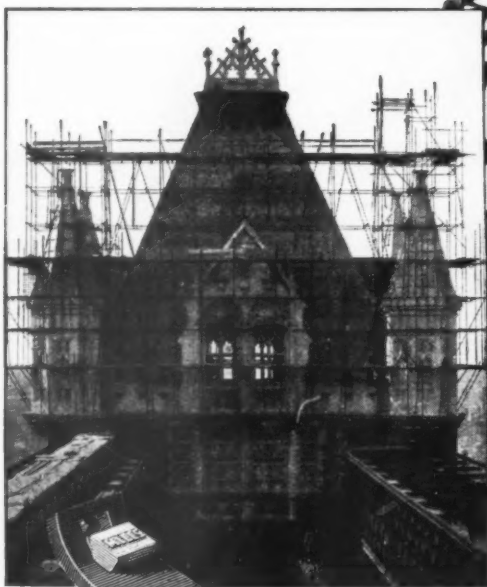
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