

# 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.

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. Department of Architecture, School of Building, Ferndale Road, Brixton, S.W.4.	Brixton 7048
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 13, Portman Square, W.1.	Welbeck 4185
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 10, The Boltons, S.W.10.	Flaxman 7766
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon.	Newport 3111
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A., Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderal, 7, Zurich, Switzerland.	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers' Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Waterloo 1951
FASSC	Federation of Association of Specialists and Sub-Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3615
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577

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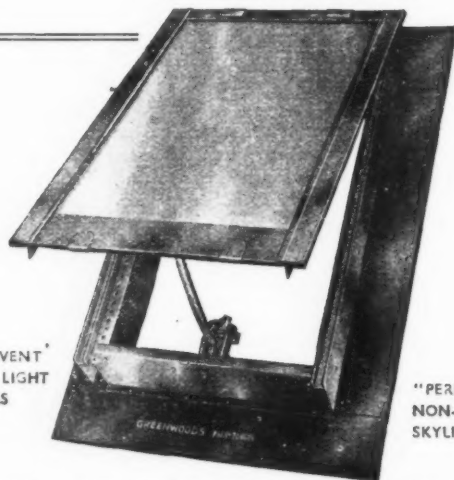
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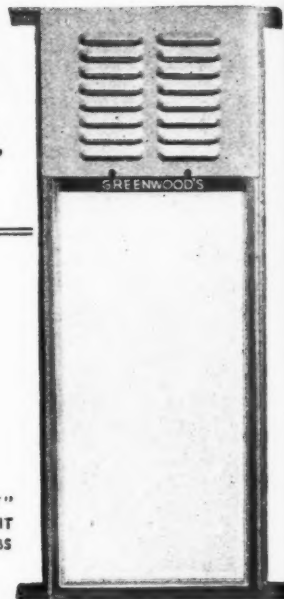


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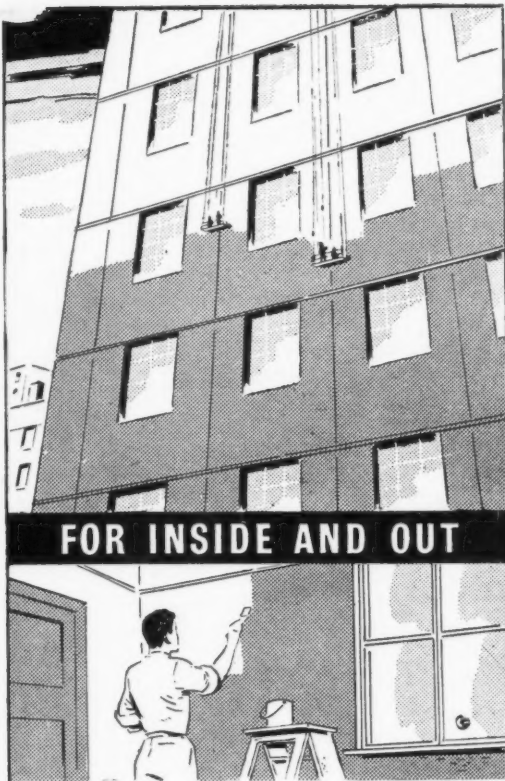
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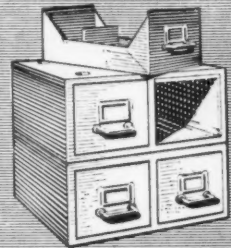
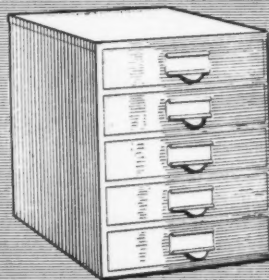
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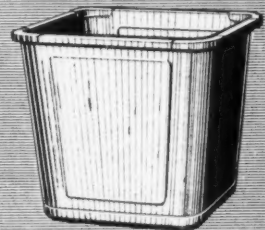
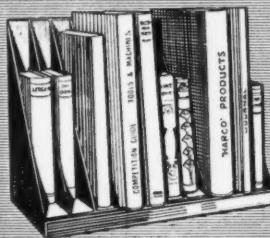
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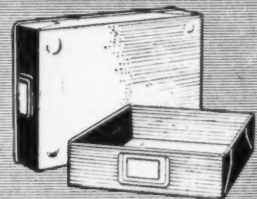
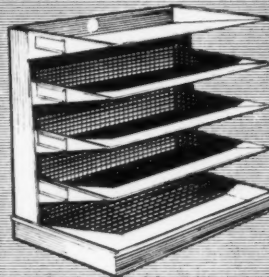
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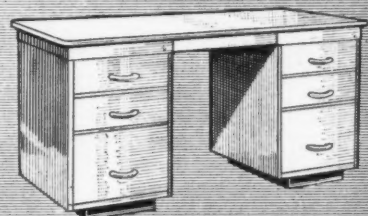
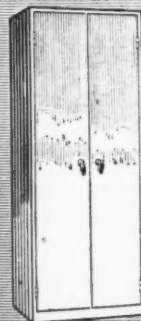
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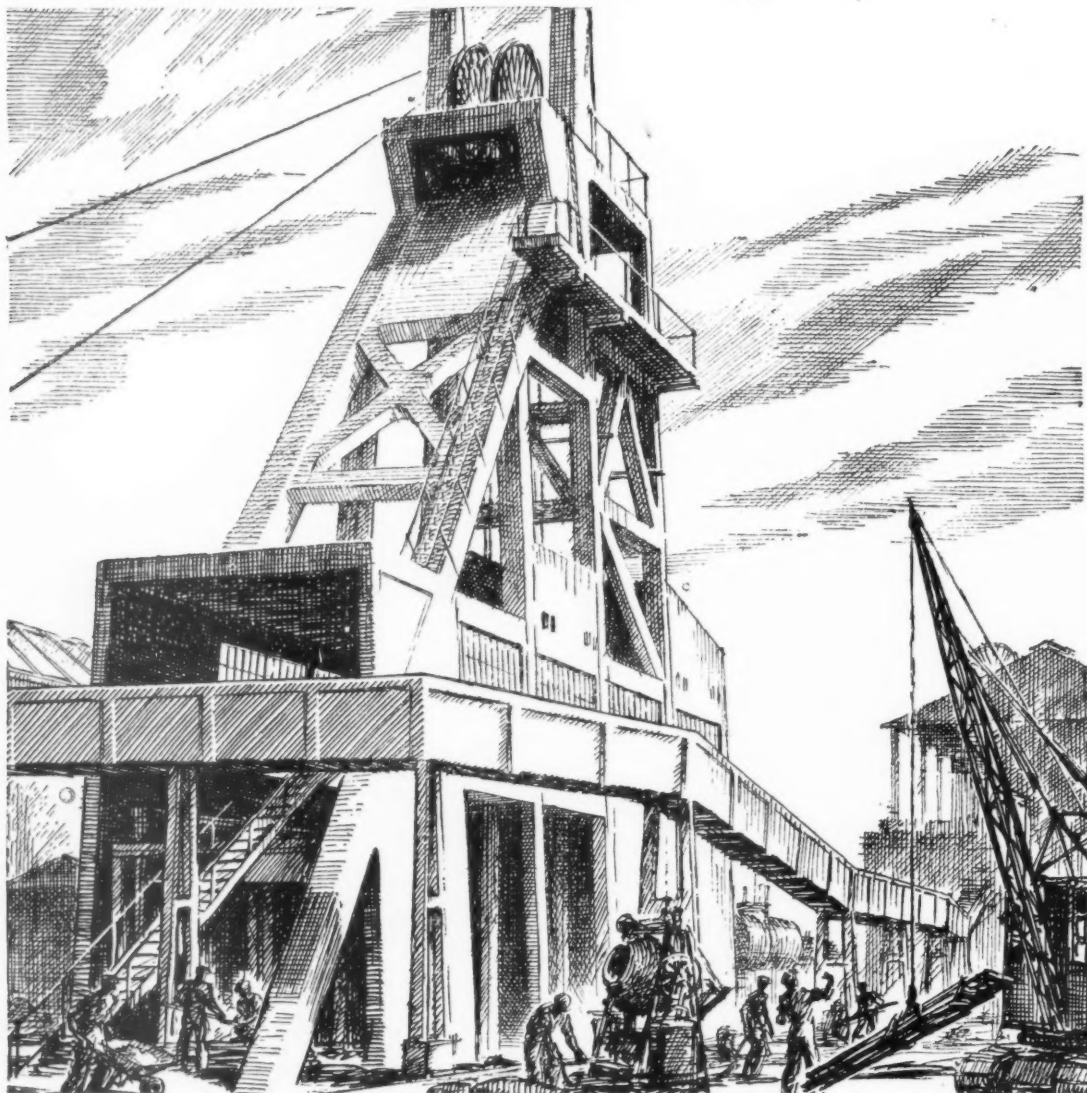
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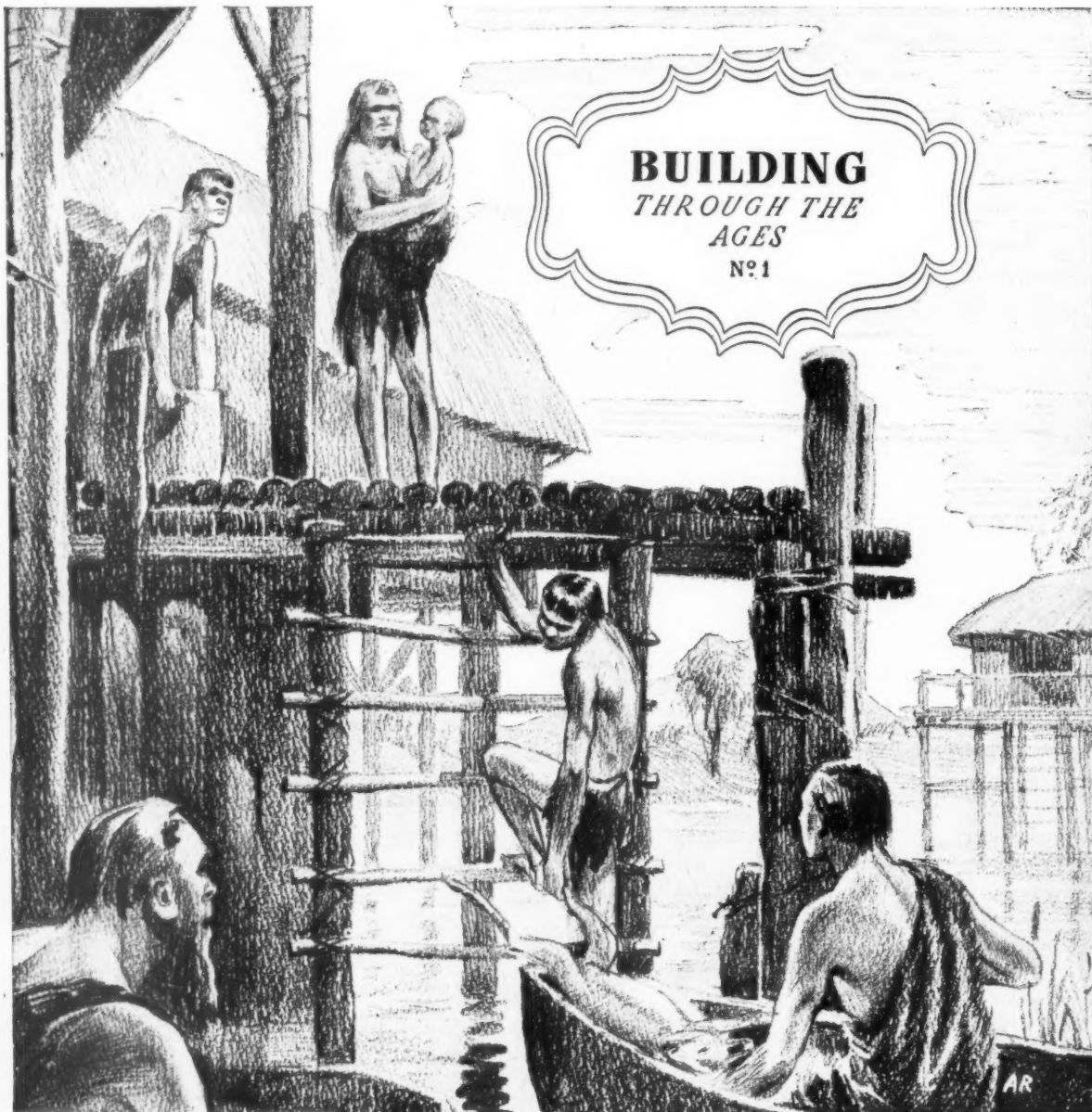
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The first buildings of which any reliable data is obtainable were primitive habitations on the edge, or over the waters, of various Swiss lakes. A typical lake village, as shown, was often built some distance out in the lake, this isolation giving protection from enemies, both human and animal.

The piles which supported the huts were cut and fashioned by stone hatchets, or fire, and on this foundation the flimsy shelter was constructed. The floor platform would be fastened to the piles by wooden pins and lashings. The walls were of thin branches and wattle, made as weathertight as possible by coating with clay. The roof of straw, rushes or bark completed the structure.

Such lake dwellings were common all over Europe from 10000 B.C. down to 300 B.C. It was Man's ever-growing ingenuity in building construction which slowly brought about the transition from these crude shelters to more durable and protective edifices.

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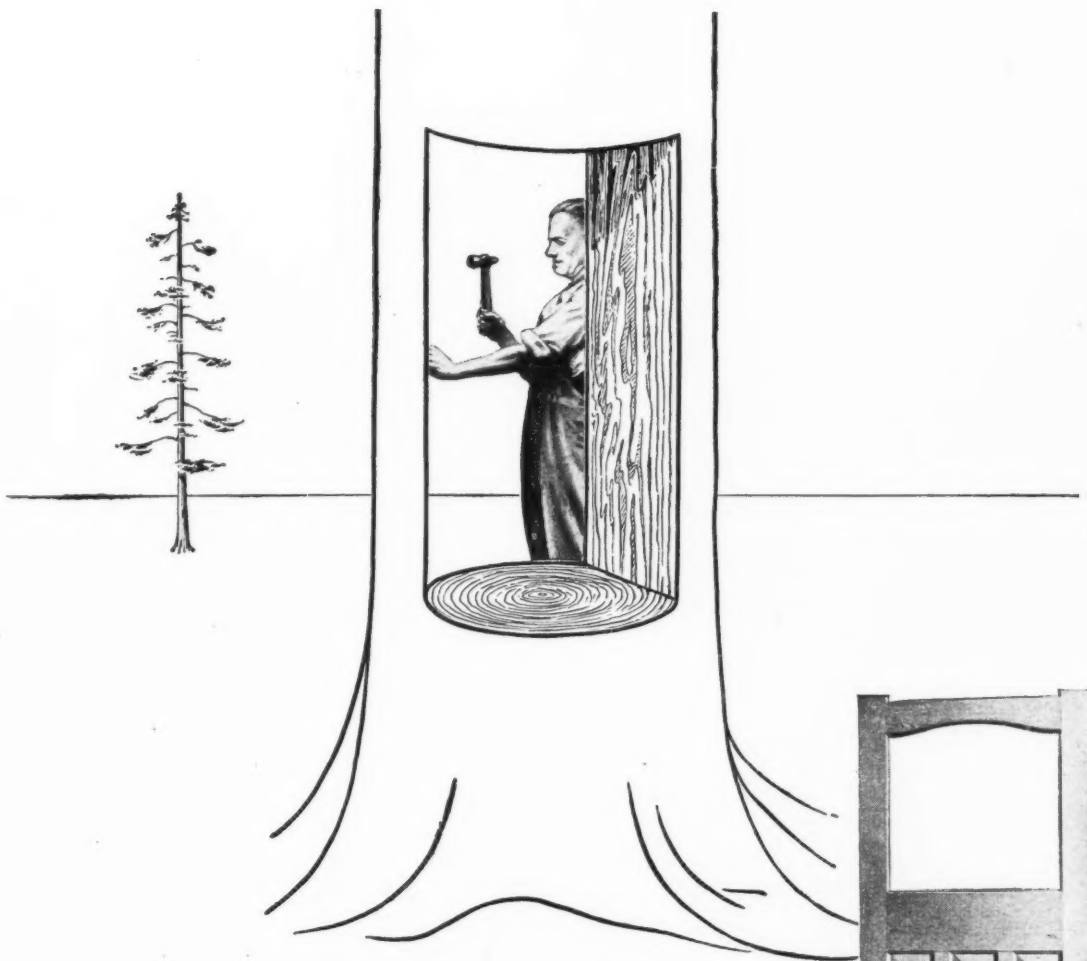
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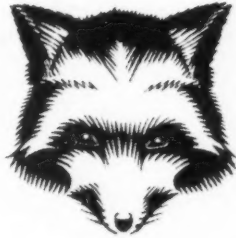
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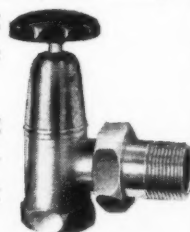


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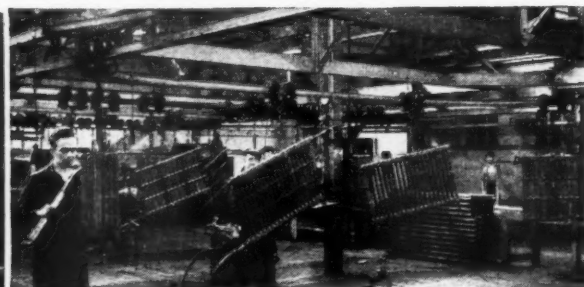
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*Part of the foundry in which the radiator moulds are formed. Photograph shows cores being placed in position.*



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

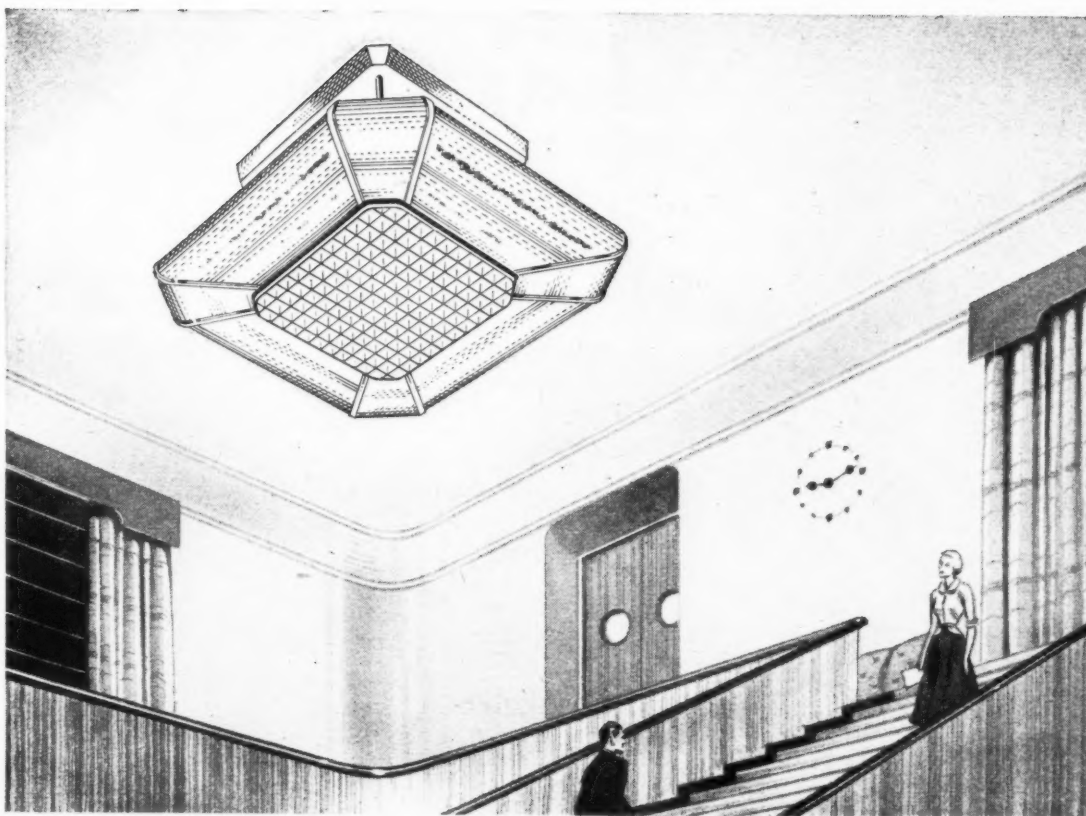


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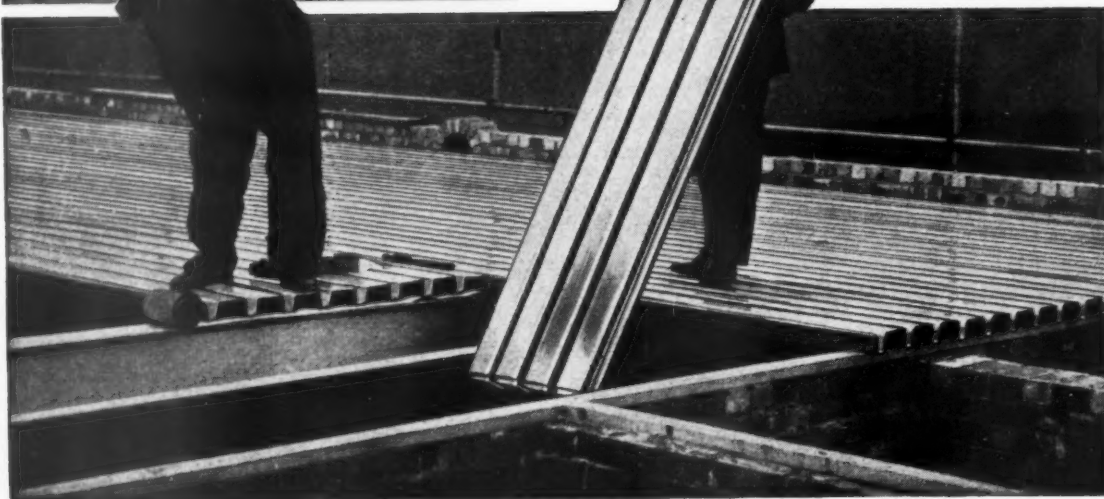
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Key & Gimson, Leicester

Litherland Modern  
Secondary Sch. (2nd Phase)

Architects:

Lancs. County Council

New Primary School,  
Dover

Architects:

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D. A. Stewart, F.A.R.I.B.A.



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Architect:

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F.R.I.B.A., Leeds

# For the Safety of the Public



This photograph of the King's Theatre, Hammersmith, shows (top left hand corner) **Edgar B.W.39 Wall Fittings**, which meet all present regulations for Secondary Lighting, which is considered essential in Public Buildings, such as Cinemas, Theatres and Restaurants, for the safety of the public in case of emergency.

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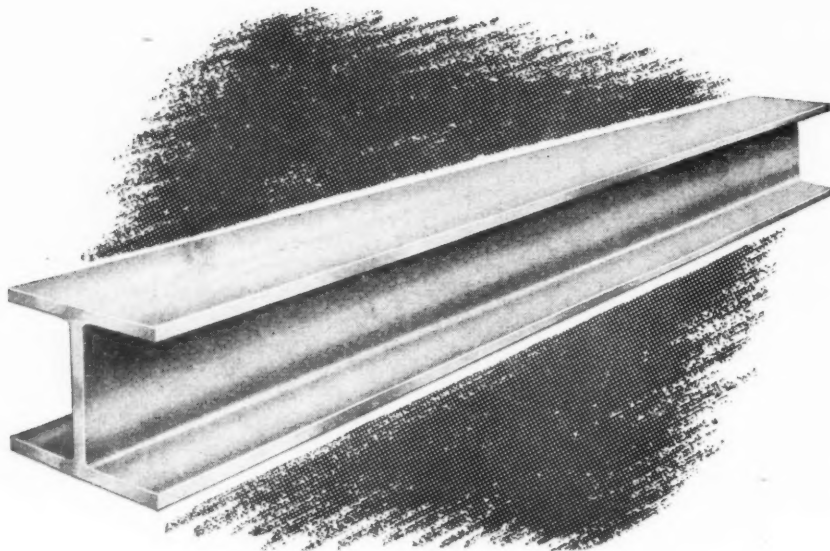
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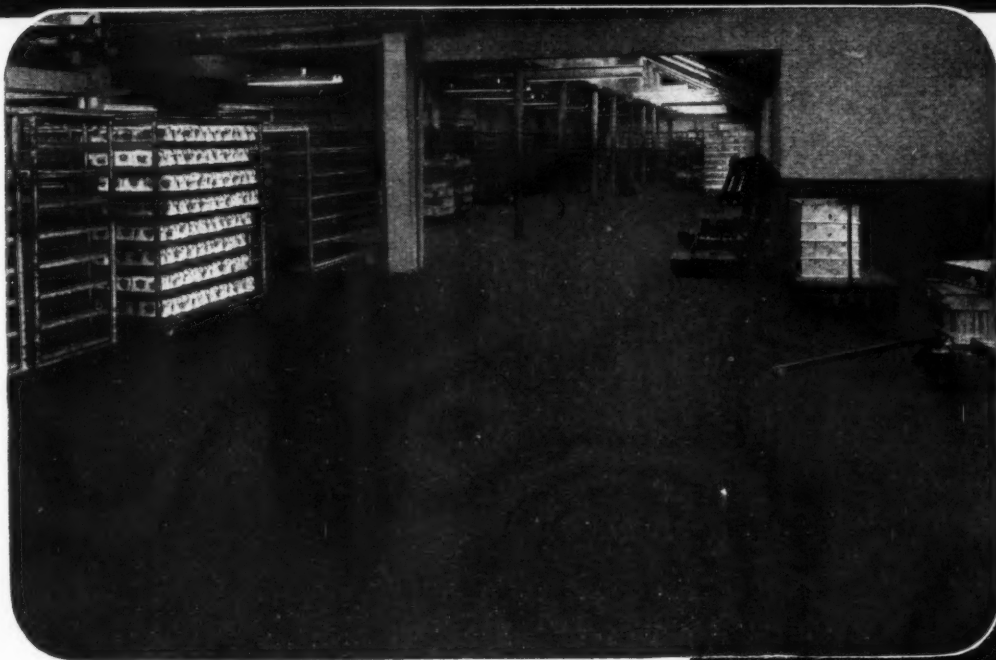
*Range of Sections 6" x 6" to 24" x 12". Full technical details and advice will be gladly sent on request.*

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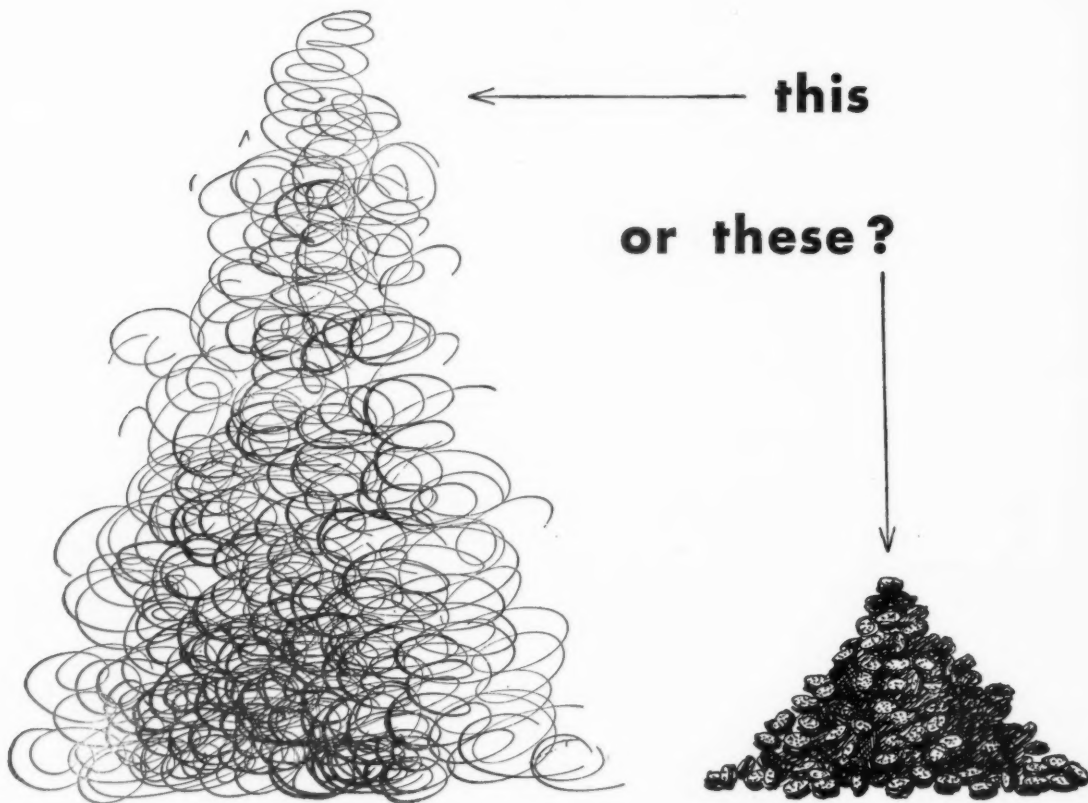


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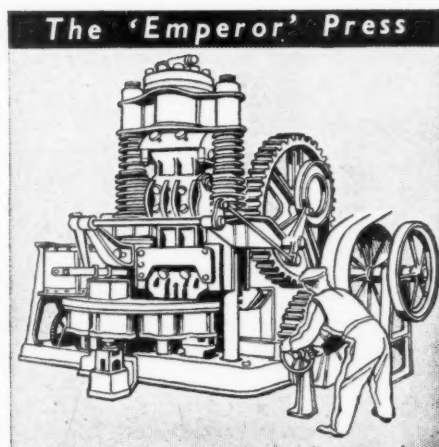


The briquetting of iron, steel, brass, copper and aluminium borings and turnings transforms loose and bulky material into dense blocks equal to lump metal. Handling is facilitated, storage is brought down to a minimum and remelting losses are reduced to that of virgin metal. The 'Emperor' Press, illustrated below, is equally efficient in briquetting coal dust and other fine pulverent materials. Full details of the 'Emperor' Press and other briquetting equipment are gladly supplied on request

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sink water heater

SIMPLIFIED CONSTRUCTION

LONGER LIFE

EASIER MAINTENANCE



Proud companion to the famous Ascot Type R12/4, this NEW Ascot Type 503 Instantaneous Sink Gas Water Heater offers high efficiency and greater ease of maintenance. The handsome vitreous enamelled shell totally encloses mechanism of simplified design and more robust construction—which means longer life and less time spent on servicing.

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**Fewer Controls.** Maintenance is simplified and costs lowered.

**Reinforced rubber diaphragm.** Ensures longer life.

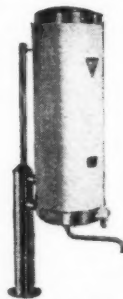
**Larger bore inlet and outlet bends.** Possibility of blockage by scale is reduced.

**Stronger heating body and improved construction of joints.** Body life is lengthened. Heat transference is improved. Body will better withstand increases in water pressure to which it may be subjected.

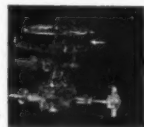
**New burner connections.** Maintenance is facilitated and risk of damage to burner tube and pilot assembly is reduced. The burner can be removed without dismantling pilot assembly.

**Choice of colours.** Available in white or cream as desired, bright parts chromium plated.

**Support pillar.** Heater can be easily fitted to a special freestanding support pillar, offered as an extra in chromium or nickel finish.



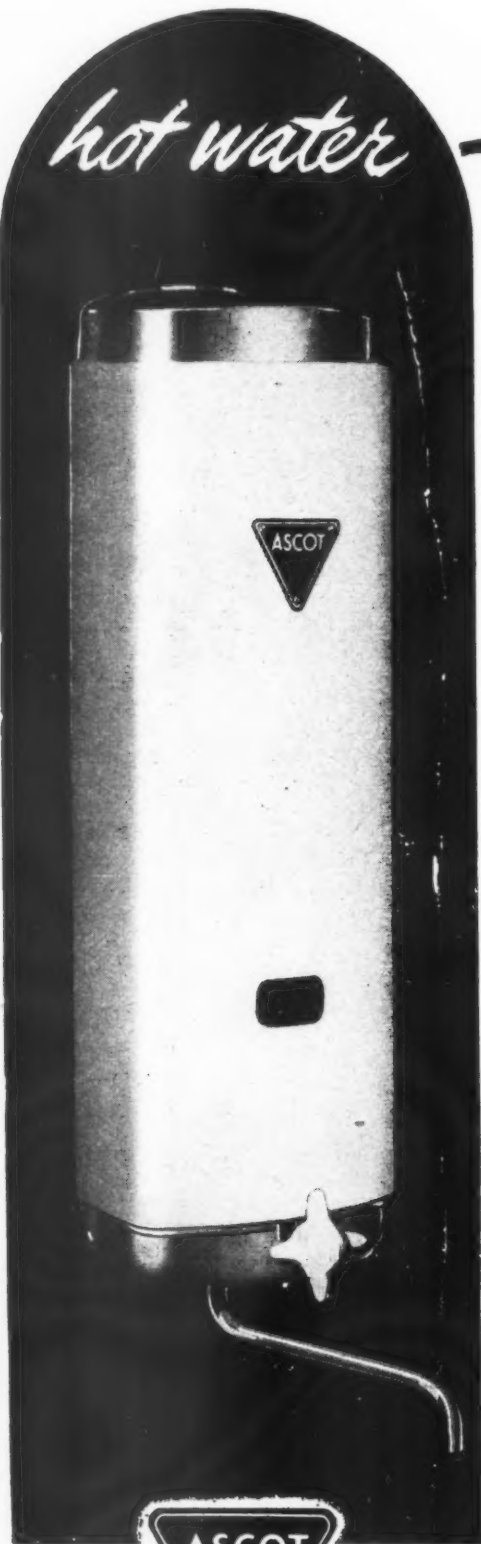
This neat support pillar, in chrome or nickel finish, is available as an extra.



New burner connections mean easier maintenance.

### MORE ROBUST · MORE ACCESSIBLE

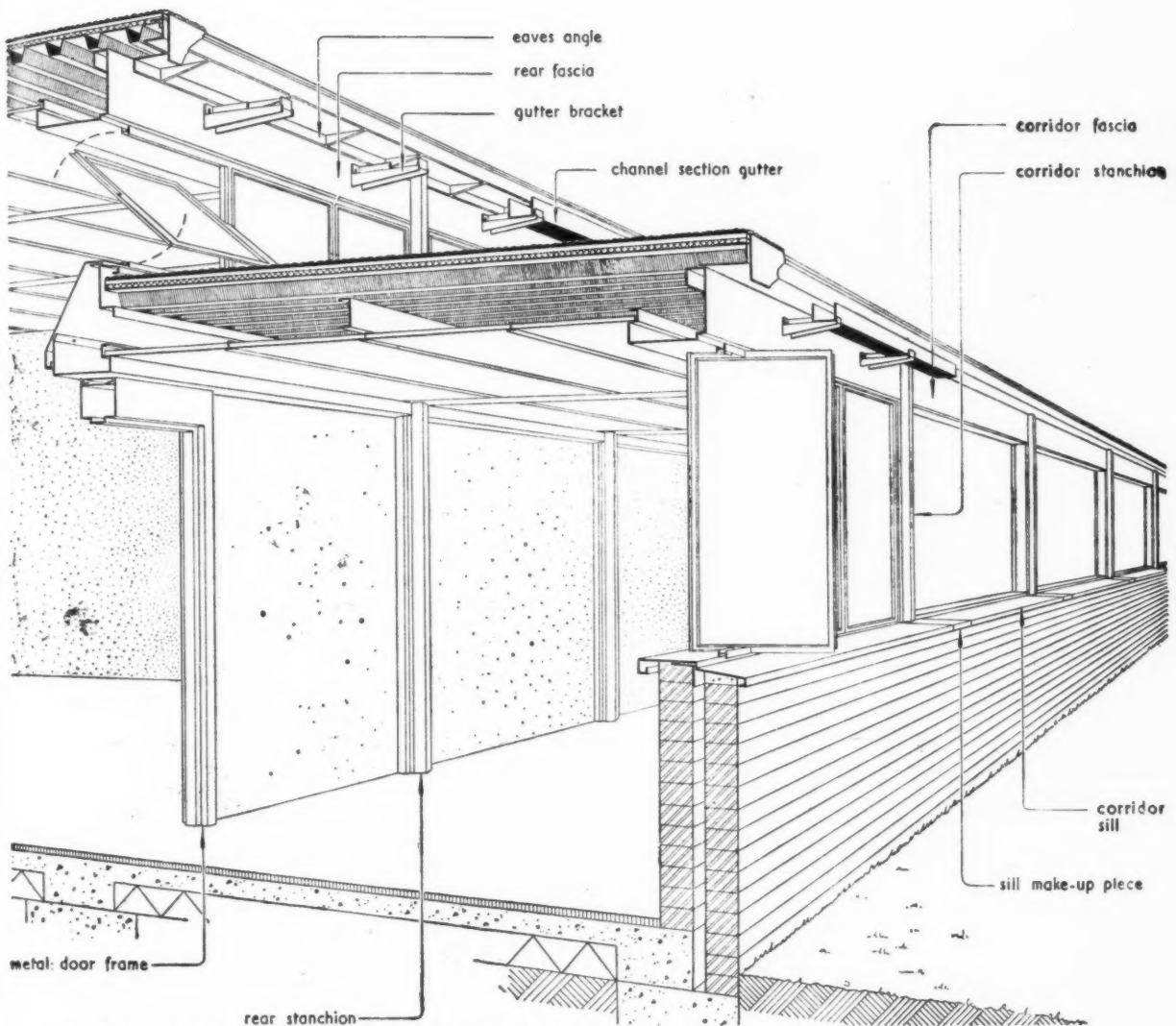
An illustrated technical leaflet describing the new Ascot 503 in detail will be sent on request.



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Detail of Sevenoaks County Primary School. HOLOFORM Pressed Metal Construction. Architect: S. H. LOWETH, F.S.A., F.R.I.B.A.



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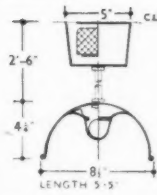
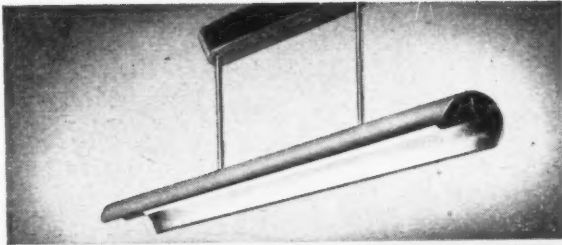
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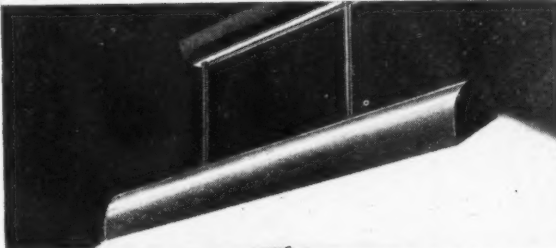
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### T.6 DIRECT

Finish: Stove Enamelled Off-White.

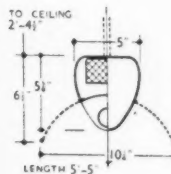
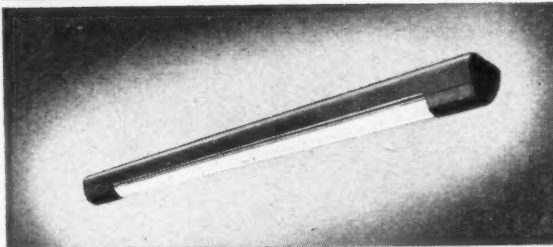
Lamps: One — 5 ft 80w Tubular Fluorescent.



### T.7 ANGLE DIRECT

Finish: Stove Enamelled Off-White.

Lamps: One — 5 ft 80w Tubular Fluorescent.

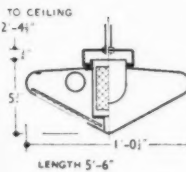
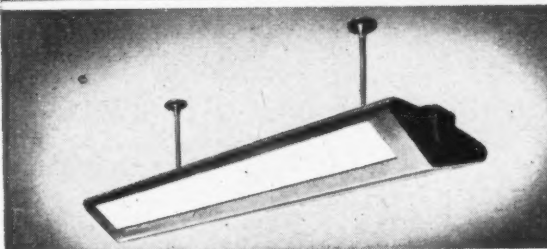


### T.8 DIRECT

Finish: Stove Enamelled Off-White.

Lamps: One — 5 ft 80w Tubular Fluorescent.

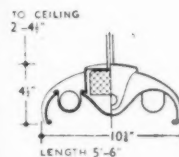
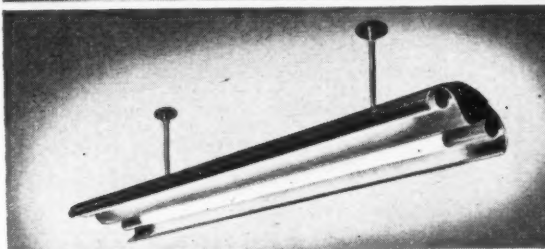
Add the following letters to catalogue number: S—Small Reflector, L—Large Reflector, C—Ceiling Fitting, P—Pendant.



### T.2 GENERAL

Finish: Stove Enamelled Off-White. End Pieces Duck Egg Blue, Reeded and Clear Glass. Chromium Suspensions.

Lamps: Two — 5 ft 80w Tubular Fluorescent.



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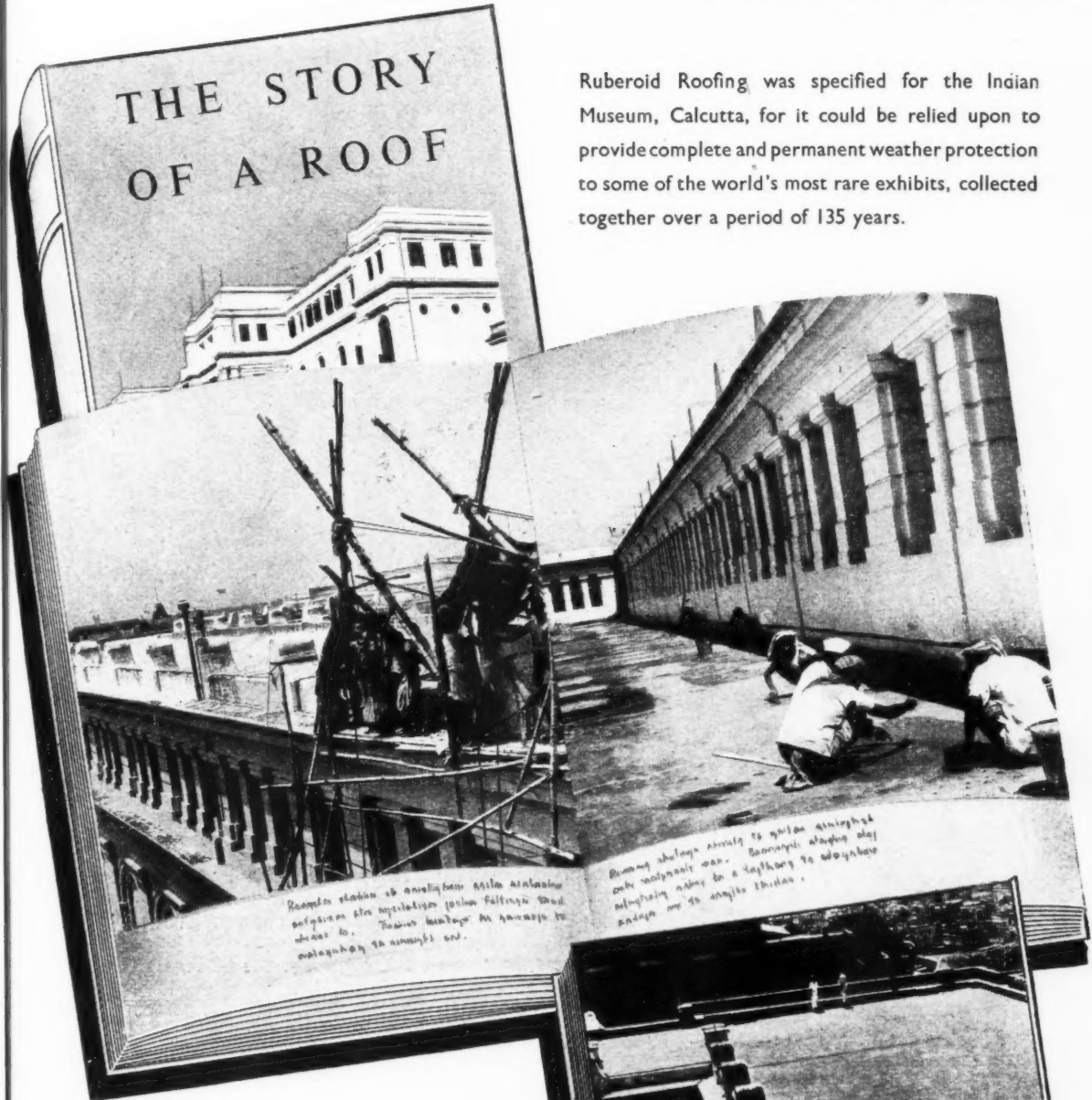
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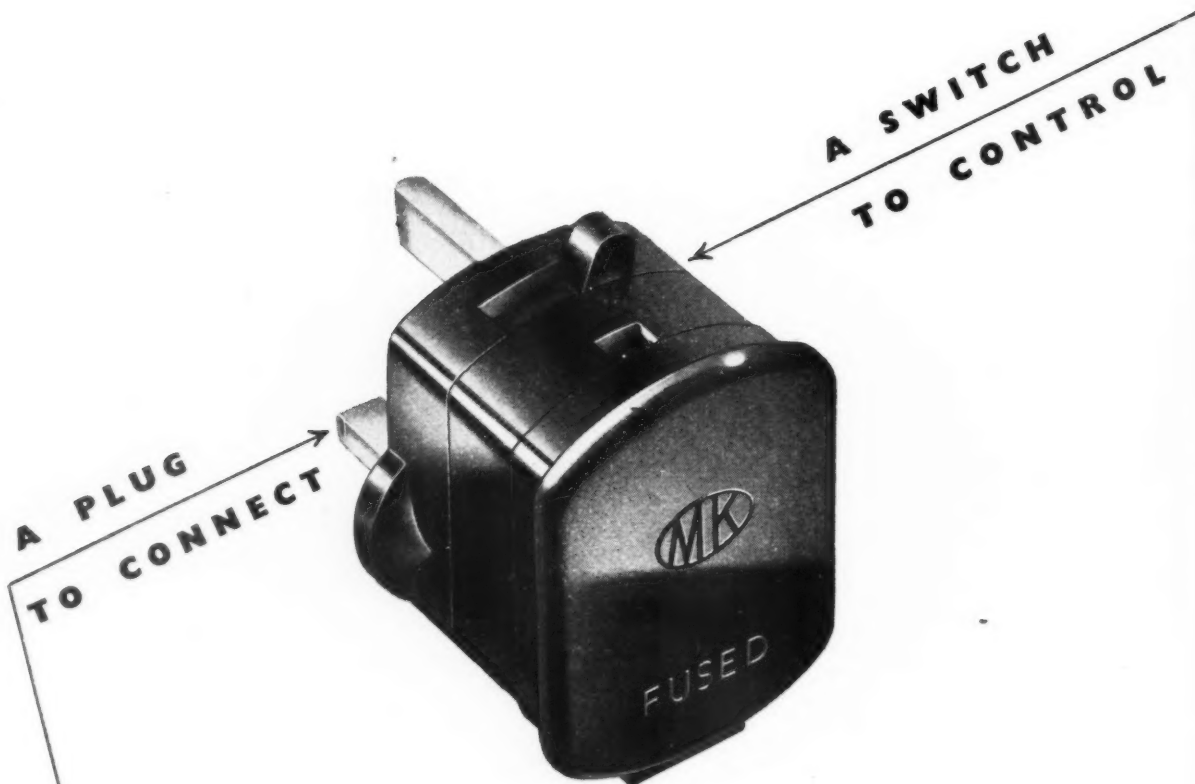
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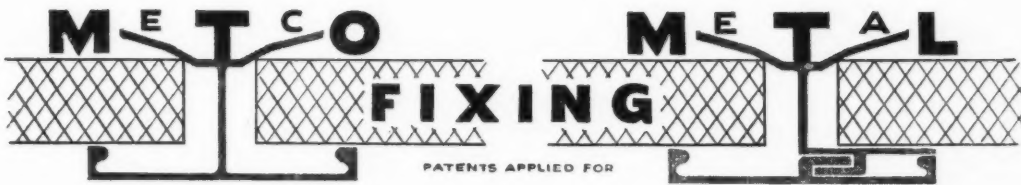
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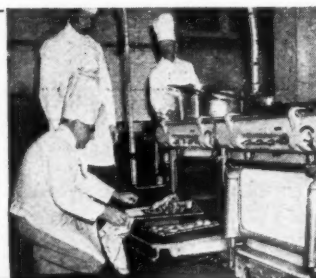
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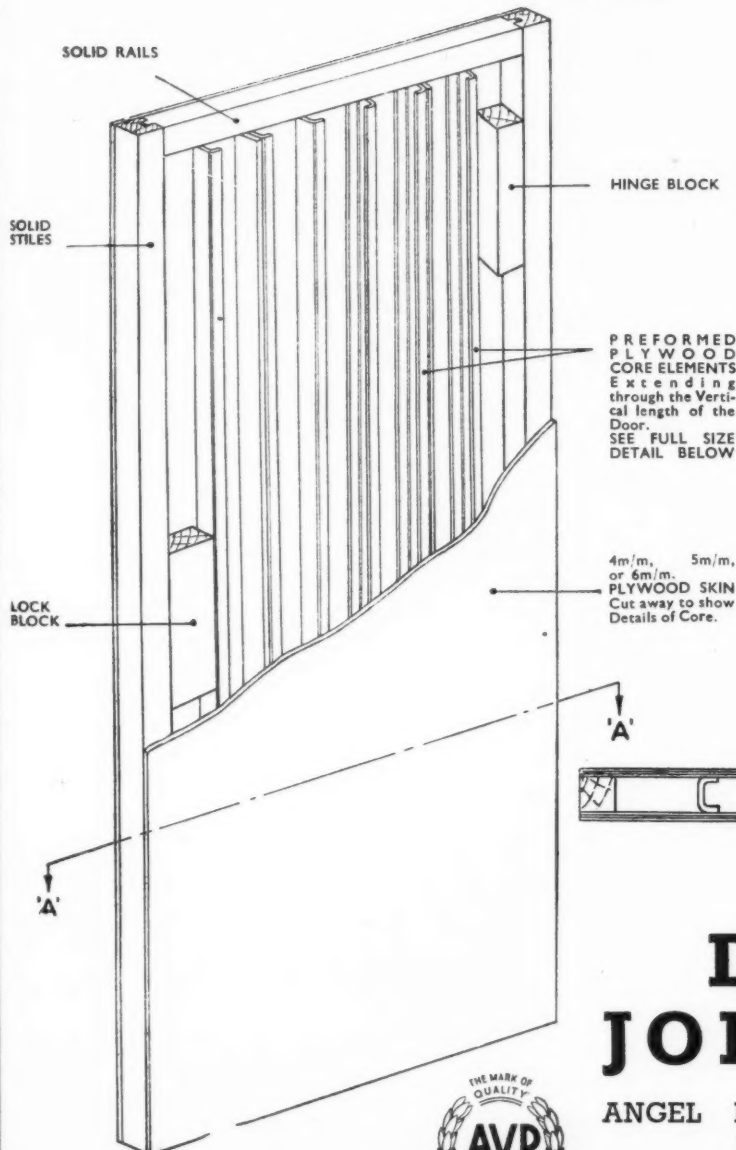
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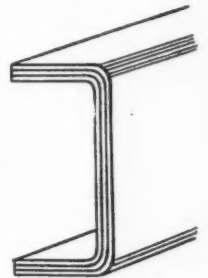
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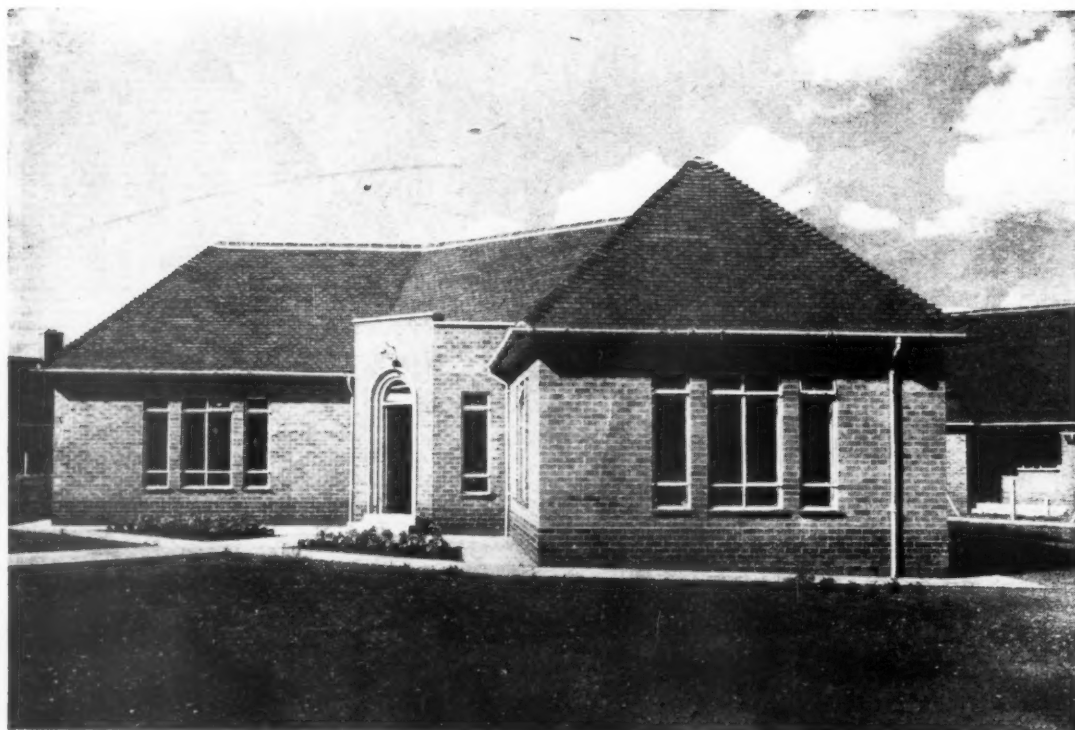
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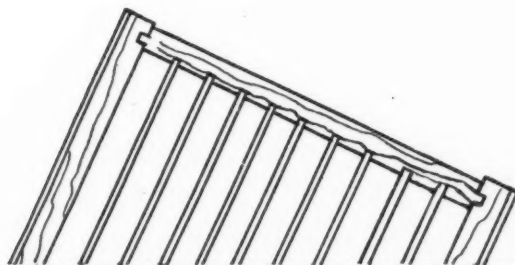
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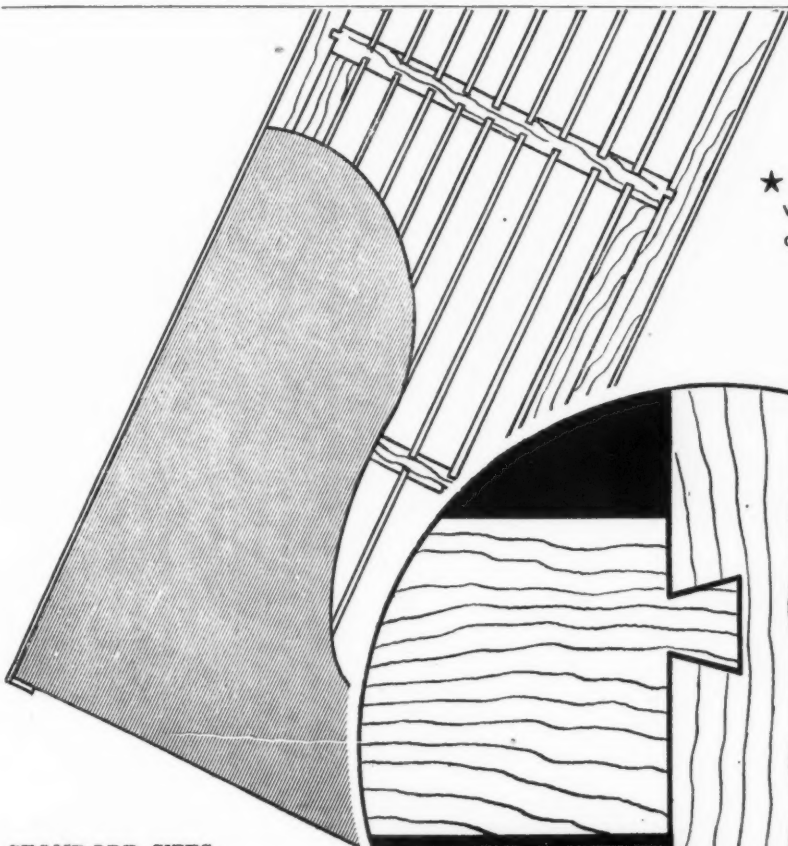
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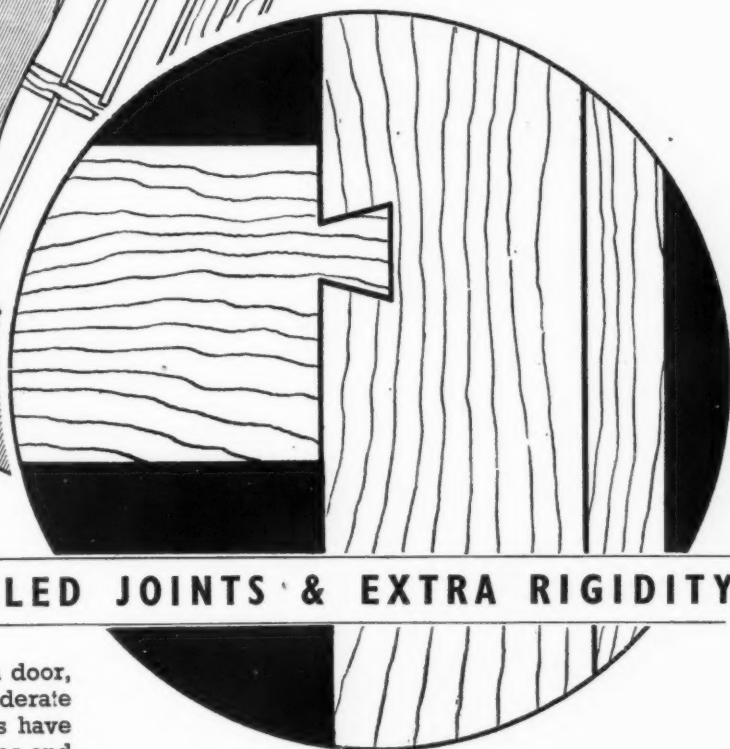
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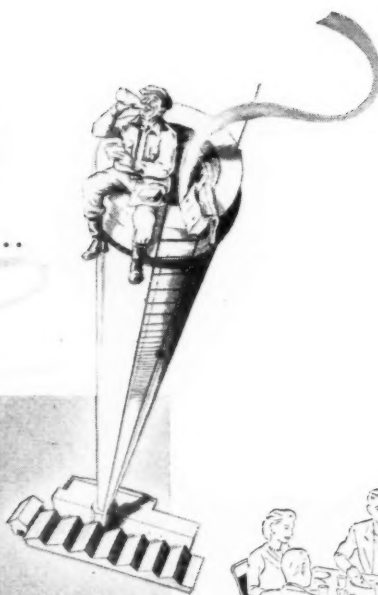
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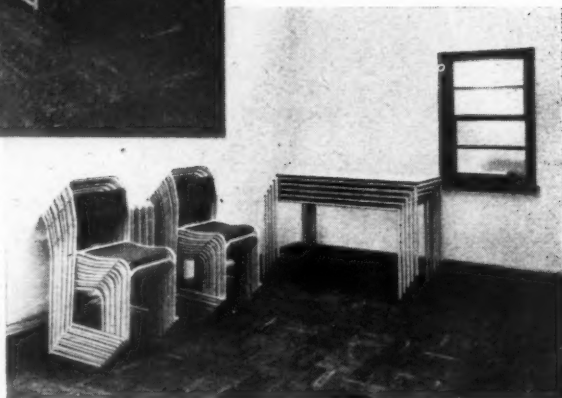


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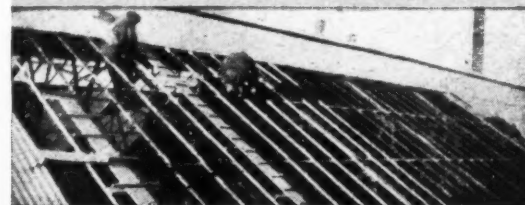
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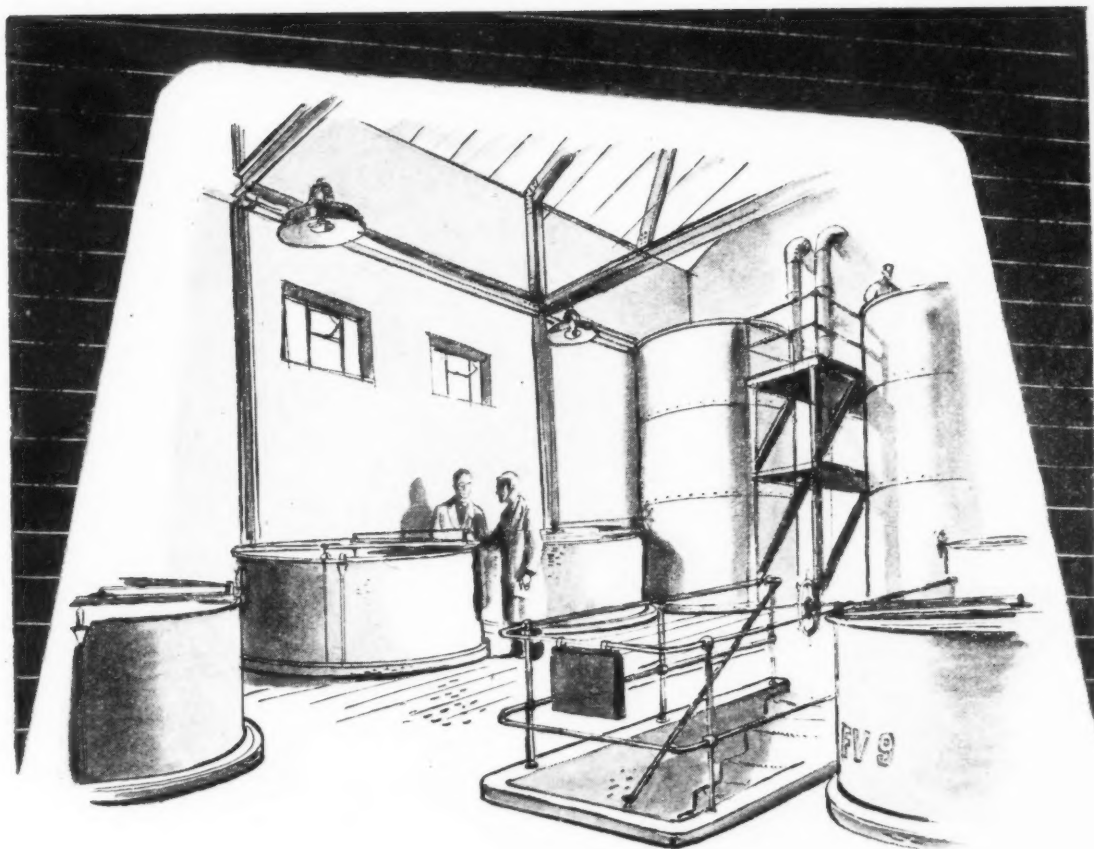
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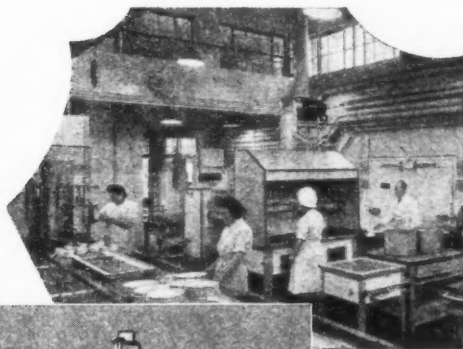
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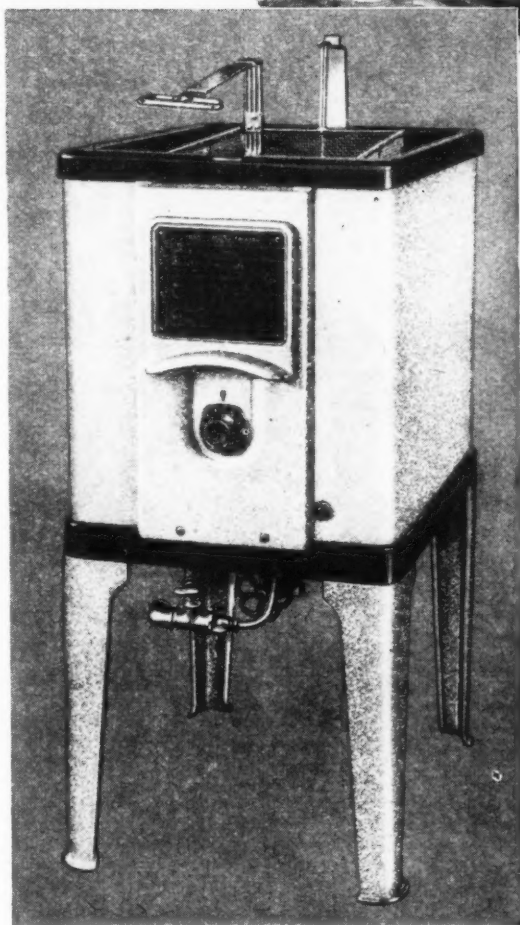
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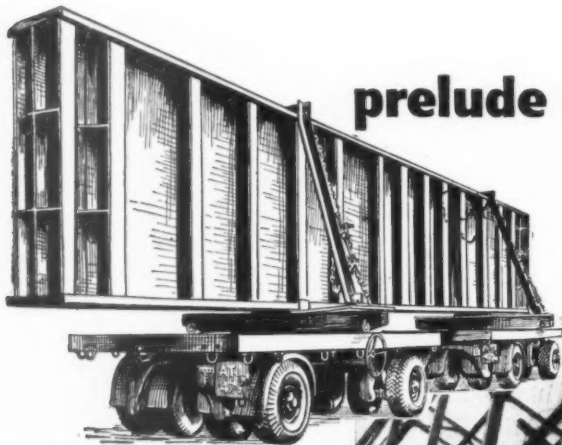


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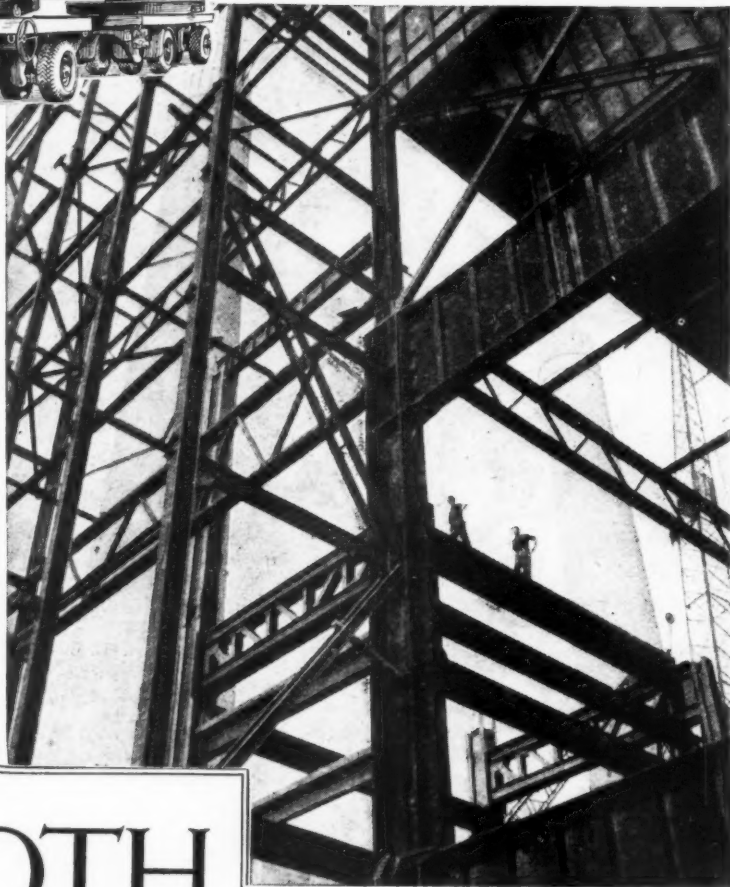
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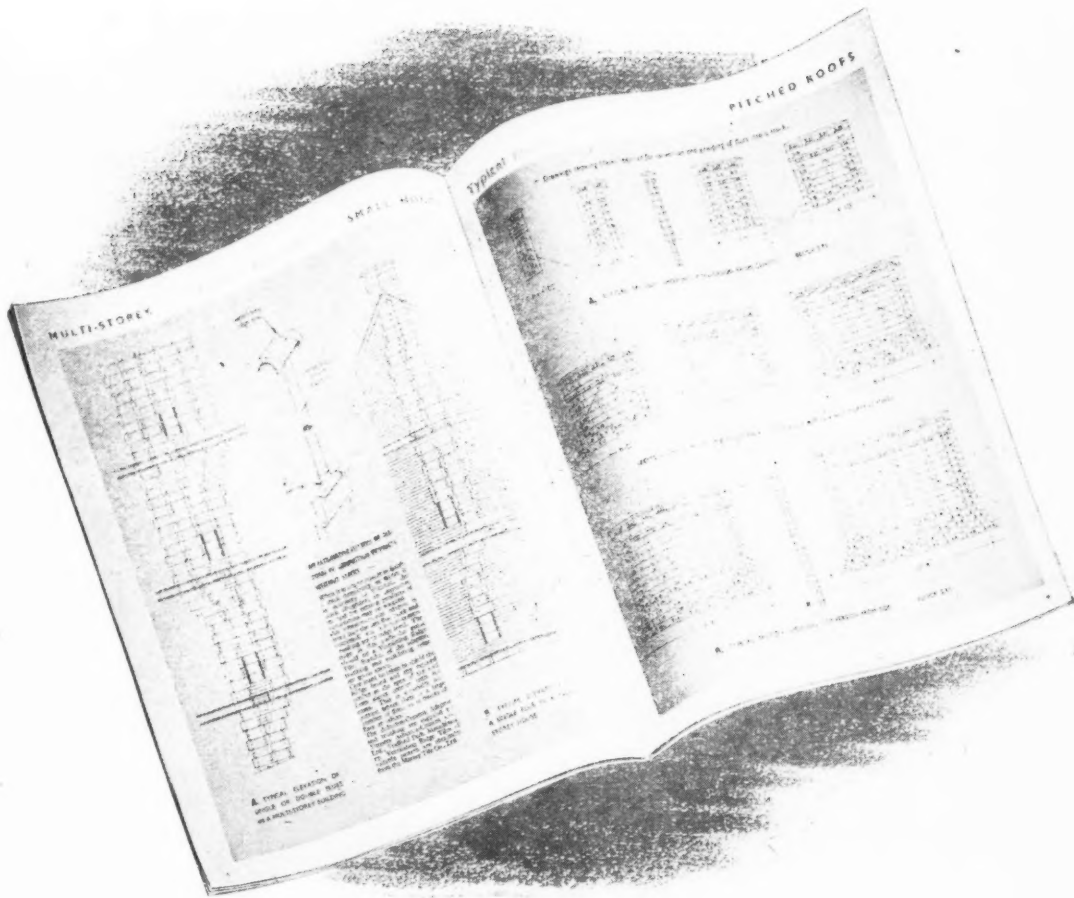


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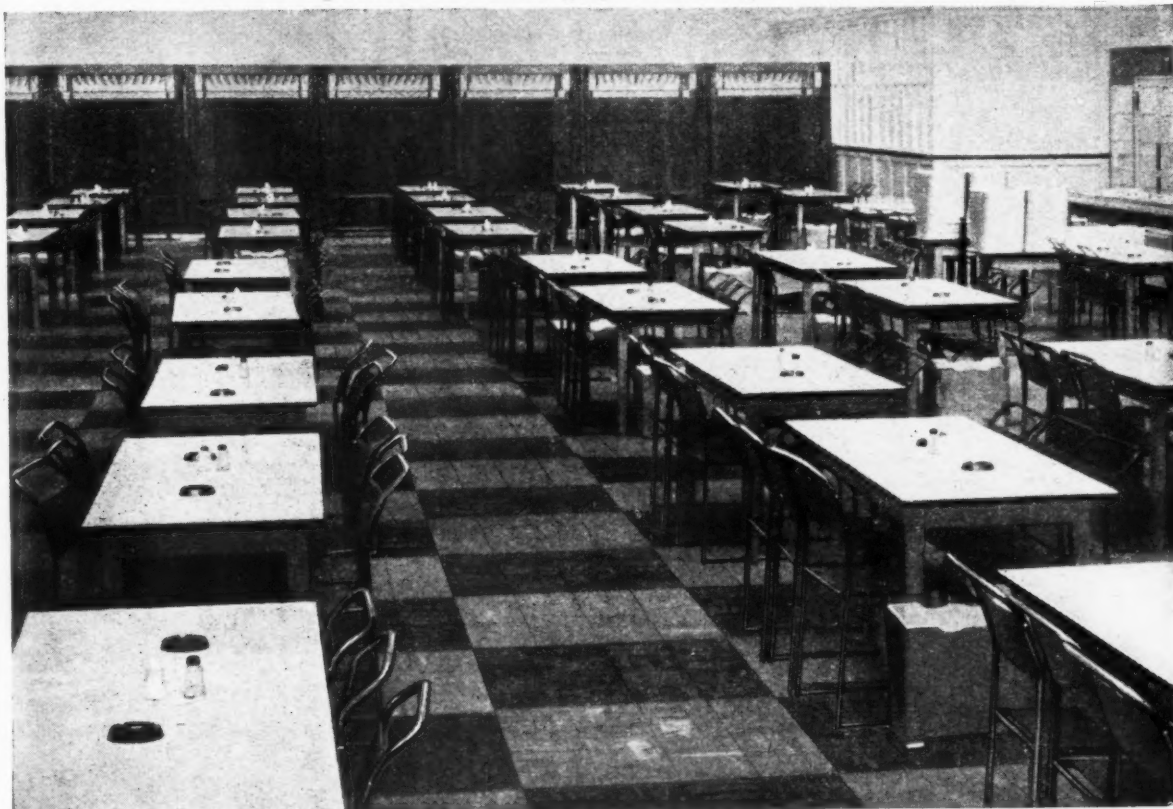
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WH32

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Photograph by courtesy of Joseph Terry & Sons Ltd.

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THE ARCHITECTS' JOURNAL

No 2878 6 April 1950 VOL 111

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## SQUARE BUT NOT FAIR

The first rumbles of criticism have been heard recently over the appearance of the new buildings planned for the Foundling Estate, London, which readers will remember are to be a memorial of Britain's gratitude for food parcels from overseas. A perspective of the design appears elsewhere in this issue. I am told, but I show over the page a photograph of the east side of Mecklenburgh Square, which is all that will remain of the original square. This east side was fairly heavily damaged during the war, and the architects responsible for all the work in the square, Sir Herbert Baker and Scott, are very wisely going to rebuild the seven blitzed houses in the terrace exactly as they were, thus restoring what I am told is the longest un-

broken cornice in London (can anyone suggest a longer one?). Incidentally, the architect for the east side of the square where the rebuilt houses will provide accommodation for eighty American students, was Joseph Kay, who was actively interested in the formation of the RIBA. This façade was the only part of the Foundling Hospital Estate in which the governor's original architectural ambitions were realised.

\*

Any readers who have seen the perspective of the proposed development for the north side of the square and, in consequence, are feeling hot under the collar can now cool off. A colleague of mine has been in touch with Mr. A. T. Scott, of Sir Herbert Baker and Scott, who assured him that this sketch is but a "diagrammatic interpretation of a solution which is by no means final." So do not worry; the final version may not be like that at all.

\*

The sketch shows, in fact, a block roughly similar in shape to London House, Sir Herbert Baker's design on the south side of the square, of which the second half, not finished because of the war, is now rapidly being completed. In the foreground of the sketch is a lawn, and some Farey-like trees, all that the artist allows to remain of the well-grown trees which stand there at the moment.

\*

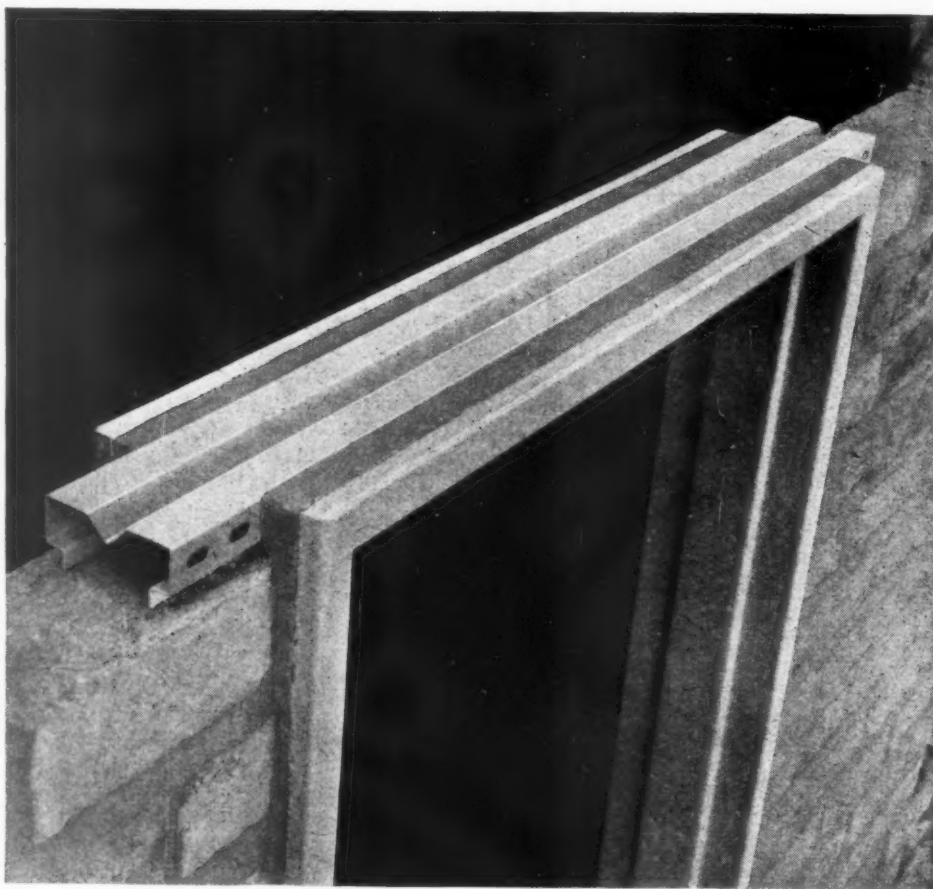
Anxious to investigate any further proposals which may damage the fast disappearing green squares of Bloomsbury, I drove round the square and refreshed my memory. Mecklenburgh Square, and Brunswick Square, you will recall, stand either side of, and form a complete unit with, the site

of the old Foundling Hospital. But, as is so often the case, several jewels are missing from the complete Georgian crown, and when one of them has gone, half the magic charm of the whole goes too. Herbert Rowse's building for the Pharmaceutical Society, well-mannered though it may be, fills the north side of Brunswick Square, and the plans to extend London House to fill the south side of Mecklenburgh Square have long been laid. As part of the crown is damaged, need one bother about the rest? Very few of the Georgian squares, streets and vistas of Bloomsbury have escaped the improving touch of their friendliest enemy, the architect.

## ECONOMIC CHELSEA

The Staff and General Purposes Committee of the Chelsea Borough Council are a very smart bunch. They are proposing that the responsibility for the design and supervision of future work on housing schemes in the Borough, at present under the charge of private architects, should be vested in the Borough Engineer and Surveyor. They are informed (who by, I wonder?) that if the Borough Engineer plans and directs three housing schemes for five years "among other advantages . . . will be a considerable saving in architect's fees . . . together with a stepping-up of the time taken in the preparation and approval of plans. In addition, the council will be able more easily to express its wishes and opinions . . . We consider that Mr. H. E. Pearce, L.R.I.B.A., M.INST.R.A. (Architectural and Town Planning Assistant) should become responsible to the Borough Engineer . . . and that he should be granted an increase in salary (to £760 per annum plus London 'weighting' apparently). . . We also consider that





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three other architectural assistants should be engaged immediately."

\*

Leaving this little tit-bit to trouble the midnight hours of other private architects who do work for local authorities, I'll remind you of the man who tired of dentist's bills and paid a surgeon to take all his teeth out. "But could the surgeon make you a false set?" enquired his anxious friends. "No," he replied, "but I know a dodge worth two of that. I feed myself on soup through a rubber tube."

#### THIS WEEK'S CARTOON

The cartoon by Acanthus which I reproduce on this page will be of particular interest to architects. The reader may find something familiar about the baronial hall in the background. It is, in fact, a sketch of Vanbrugh's unexecuted design for Castle Howard.

#### PLANNERS OVER THE AIR

Professor Gordon Stephenson and Arthur Ling, under the chairmanship of Peter Shephard, held a discussion on the New London for three quarters of an hour last week in the BBC's series on the planning of London. If the lay listener learned nothing else, he discovered that it takes a good many years to start planning, and that the new London, save for a patch in Poplar, will be hard to find for some time. There seemed to be agreement on two of my pet theories. First, that people should reconsider entirely afresh the problem of housing; and second, that if the New Towns are not built soon we will not need them at all.

#### THE PUBLIC HOUSE OF TOMORROW

The exhibition of designs in the *Review's* pub competition opens at the Victoria and Albert Museum just as this JOURNAL is going to press, so I shall save my comments till next week when I (and my readers) will have had a chance of studying them all together.

\*

I will only say now that I agree with the assessors that the best designs are of a quality that fully justify the holding of the competition. They prove beyond doubt that an unmistakably contemporary interior can profitably be based on the English pub tradition which, in spite of its many Victorian



"I'm afraid his Grace will be late for the office again."

and other disguises, has always been functional.

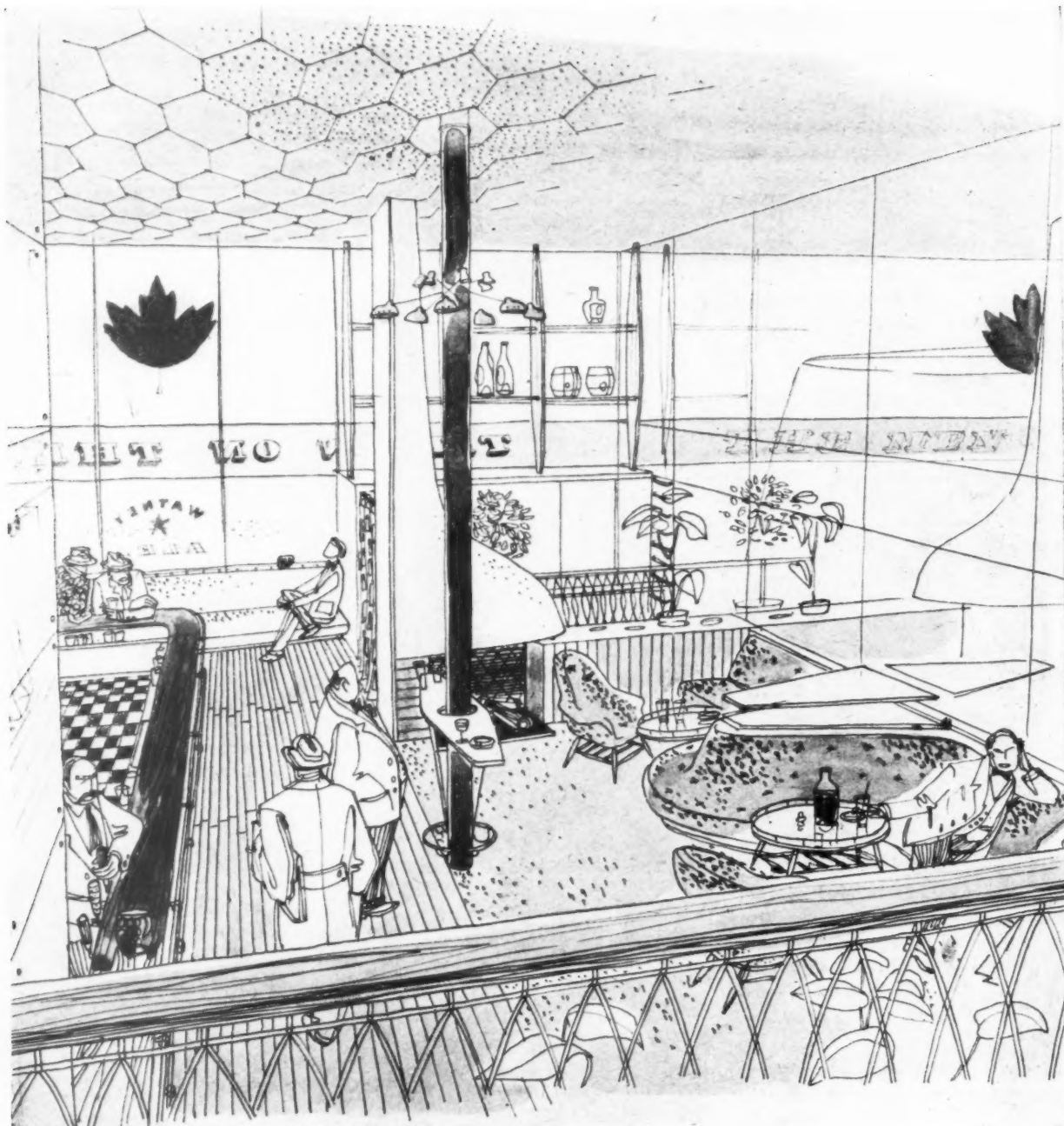
\*

The winning scheme is particularly lively and spirited, and is remarkable

for coming from a partnership of no less than five designers. They are, I believe, at present working on the Festival of Britain, but not, I hasten to add, with Mr. Casson. They are



The east side of Mecklenburgh Square. (See Astragal's note on the previous page and photograph showing proposed development on page 418.)



## The Pub Tradition

This week we publish the prize-winning designs submitted in the *Architectural Review's* Pub Competition. The Competition, which was made possible by the co-operation of the Brewer's Society, was organized with the object of raising the standard of design in the English pub. Competitors were asked to aim at creating, by means of present day materials and techniques, an atmosphere in line with English pub tradition. This aim was achieved most successfully by E. Pollak, V. Prus, C. Hasler, P. Sharland and R. Negus, whose winning design is shown above and on pages 421 to 426. As may be seen from this sketch and those on other pages, the prize-winning

designers employed typical pub "furniture" in as functional and decorative a way as possible as a means of providing the required atmosphere. Such features as mirrors, bottles, barrels and advertising have been made use of in such a way as to strengthen the overall character of the scheme. This design, together with other prize-winning and submitted work is now on view at the *Architectural Review's* exhibition, "The Public House of Tomorrow," at the Victoria and Albert Museum. The exhibition will also contain a number of live exhibits, such as bottles, beer-handles and a bar, illustrating the merits of the best in the country's traditional pub design.



working under James Holland on the design of the floating exhibition—the festival ship which is to tour British seaports through the summer of 1951.

#### PRACTICE MADE IMPERFECT

I came across an architect the other day who had made a decision which, he said, boded ill for the profession; he had just been asked to design a house, and he intended to refuse.

\*

In the first place, he said, the client and his wife had *ideas*. And worse still, the ideas had been maturing over about seven years, so these people would be even more difficult than their pre-war counterparts. But this was not all. The site had not quite been fixed, and the architect would be expected to show his cunning with the vendor and the Central Land Board. Then there was the business of getting planning permission; he did not expect any trouble, but even so he wasn't sure. And then, of course, a builder would have to be found in a district in which the architect had no pull, and thereafter held by the ear at toll call distance. And he would be very lucky if there was not talk of £200 or £300 under the counter before the job was done.

\*

At long last, said the architect (whose voice was, by now, becoming rather shrill), after something more than two years and, perhaps, 200 'phone calls from the client's wife, he would get about £125. Of this, £100 would go on overheads—for secretaries have to be paid, and the remainder would be taxed at 9s. in the pound. And three years later when he was trying to forget the whole business, and had lost the drawings, the client would probably ring up and ask him to build the second half of the place. By that time, said the unfortunate architect, he would be lucky if his client had not discovered that a lot of paint is seemingly made of clay and disinfectant nowadays.

\*

There must be a moral in this tale. Perhaps it is simply that the wise architect who is asked to design a house in these times should emulate the gentleman in Stephen Leacock who dashed off madly in all directions.

ASTRAGAL

## The Editors

### THE PUB OF THE FUTURE

THE *Architectural Review* issued a real challenge to architects when it announced the competition for the design of pub interiors, the results of which are shown on pages 421-436 and can be seen at the Victoria and Albert Museum. There has been much discussion lately about what might be called the public relations side of modern architectural design: on how it is that even the best modern design is still something strange that the public tends to shy away from, on the necessity of a public interest in its development if architecture is to remain a live art, and on the ways and means by which modern architecture can evoke a popular response without lowering its own standards of integrity.

These problems are better illustrated in the pub than anywhere else, because the pub depends for its very existence on its popularity. The pub interior must create a sympathetic atmosphere, which cannot be done by mere drawing-board cleverness; nor can it be done by period pastiche. Fortunately there exists a live pub tradition, many of the ingredients of which can be re-used in a modern spirit. That is the theme on which the *Review* competition was founded and to which competitors have responded nobly. Its influence on the pub of the future should be highly beneficial.

### SCIENCE AND BUILDING

For many years now all reasonably informed architects have been aware of the importance of science as an aid to good building. And many have been aware of the research work that has been going on at the Building Research Station and elsewhere. Some people have even read the technical reports that have appeared from time to time. But there has been a widespread feeling that scientists have been a bit too aloof and a little too scientific for the average busy architect. Whether this feeling is altogether justified is open to question; it might also be argued that if architects were better trained they would understand the technical papers more easily. In any case scientists are now rapidly removing causes for criticism on these lines.

The first really big advance towards simplification was Fitzmaurice's *Principles of Modern Building*. The next important work was *Sound Transmission in Buildings* by Fitzmaurice and Allen. Then came the Post-War Building Studies and also some excellent lectures sponsored by the Architectural Science Board of the RIBA. Good as these efforts were they still required a fairly high degree of concentration for complete assimilation, and they were not always on a subject of everyday application by architects. What seemed to be needed was a simple statement, not of science or research, but of results which could be directly applied.

The demand for direct information on everyday problems is



now being partly satisfied by the series of advisory leaflets published by the Ministry of Works, which is clearly based largely upon years of research and investigation at BRS. The latest of these leaflets, No. 5,\* is admirable; all essential information about the screeding of floors is given clearly and concisely. The list of forthcoming leaflets gives promise of further useful information, and although the Ministry states that this type of information is intended primarily for the man on the site he would be a foolish architect who ignored such a useful source of reference.

\* Laying Screeds as an Underlay for Floor Covering. H.M.S.O. 2d.



## CRAWLEY

### *New Town's Effect on Croydon*

Sir Thomas P. Bennett, chairman of the Crawley Development Corporation, surprised some of the members of the Croydon Town Council at a meeting, called by them on March 28 to discuss the possible effect of the new town of Crawley on Croydon, when he said that the effect of the town on Croydon would be nil unless Croydon workers took jobs in Crawley.

The building of the new town of Crawley—or the other new towns planned by the Ministry of Town and Country Planning elsewhere—was not intended to provide directly for the relief of housing congestion in any particular district, he said. Work would come first. A man would have to get a job at Crawley before he could get a house. The object of the Government in building new towns was to provide places where people could live near their work and have a common interest in the social life of the place. One thing the Ministry of Town and Country Planning was anxious to avoid was the creation of new dormitories for London and other big cities. In many of our big cities today the trend was for the workers to live farther and farther away from their work. It was generally agreed that a man who had to spend an hour or an hour and a half travelling to and from his work often did not do his work so efficiently as a man who lived near his work and did not have to spend so much time in wearisome travel.

"Our new town at Crawley is 25 to 26 miles from London—far enough away, it is hoped, to eliminate the risk of it becoming substantially a dormitory area," said Sir Thomas. "We want Crawley to be a self-contained, self-supporting community, with its own shops, factories, cinemas and churches."

"If we remove workers from London to another place and they still travel long distances backwards and forwards to work, then many of the ideals of the people who designed the new town cease to have any effect at all."

Sir Thomas said no purpose would be served by building houses and dumping hundreds of families in the new town far away from any means of earning a livelihood. It had been decided, therefore, to tackle things in their proper order and to

see that when people went to live in the new town there would be work for them to go to in the neighbourhood.

It had been decided at Crawley that the provision of employment should take precedence in carrying out the scheme. "It was not easy to persuade the Ministry that the right way to build a new town was to put up factories, workshops and offices before houses," he said. "In building a new town you must provide, firstly, water, sewage disposal, roads and factories—and only then can you start building houses."

"That is what we told the Ministry, and, eventually, the Ministry had the courage to accept advice on those lines."

The speaker said he wanted to make it clear that people were mistaken if they thought they could take a new house at Crawley and then start looking for work there. Furthermore, Crawley was never intended to provide an outlet for the surplus populations of overcrowded districts like Croydon and similar towns.

Men who would like to take up work in Crawley could do so by applying through their local Employment Exchange. Local authorities like Croydon Town Council could also forward the names of men living in their areas who would prefer to live and work in Crawley. If Croydon firms moved to the new town, as some were doing, then overcrowding in that town could be further reduced.

## MOW

### *Expansion in Export of Building Materials*

The MOW announce that there has been a spectacular expansion in Britain's export of building materials. The total value of these exports in 1949 was £28,879,473, as against £4,664,247 in 1938 and £13,038,882 in 1946. In announcing these figures the Ministry, which is the production authority, says that although they reflect to some extent the general increase in world prices, they represent a very large increase in the volume of business secured.

## SIA

### *British designers'*

All commercial and industrial designers practising in Great Britain, whether or not members of the SIA, advertisers, manufacturers and publishers, are invited to submit work for the consideration of selection commit-



Sketch showing suggested development of south side of Mecklenburgh Square by Sir Herbert Baker and Scott. (See Astragal's comment on page 413 and photograph on page 415).

## THE ARCHITECTURAL REVIEW

## PUB DESIGN COMPETITION

*The results of this competition are now announced and the winning designs illustrated on the following pages. Designs for the interiors of four public-house bars were asked for: two saloon bars of 1,000 sq. ft. and 400 sq. ft., and two public bars of 800 sq. ft. and 200 sq. ft., together with full details of the furniture and fittings of any one of them. The prizes, which will be given by the Brewers' Society, are £500, £250 and £100.*

## ASSESSORS REPORT

*Hugh Casson, J. S. Eagles,  
R. Furneaux Jordan, E. B.  
Musman, J. M. Richards.*

There was a fairly small but very interesting entry, and the assessors felt that there were at least a dozen entries that broke new ground. This they regard as a remarkably satisfactory result, in view of the difficulty of the subject. There were no attempts at a sham antique character, and all competitors had obviously understood the intention of the competition and given serious thought to the basic requirements of a good public house in terms of contemporary design. The better designs, moreover, showed a genuine appreciation of pub character and suggested that their authors had tried to build, as suggested in the conditions, on what was best in the English pub tradition.

The assessors noted in the best designs a marked tendency to bring back to the pub a sense of intimacy and enclosure by breaking up the larger bars both in plan and by means of various visual devices. Most competitors preferred a counter forming part of the furniture of the room to a service space external to the room, and especially a counter allowing service in several directions. The assessors agreed with this, regarding the island bar as well in line with an interesting English tradition. The planning of the four bars asked for was straightforward and practical on the whole, though some designs failed to secure the right proportion between length of counter and area of floor, and some did not pay enough regard to the necessity of being able to supervise the whole area of the bar from the service portion.

Planning, however, unless it was seriously at fault, was not given so much weight by the assessors as character, a good use of materials and colours, and ideas in design. The assessors noted that the treatment of windows and the interior effect in daylight were on the whole less happily dealt with than the interior effect by artificial light. In the latter case most competitors preferred to give liveliness to their interiors by means of a multiplicity of lighting points, rather than use concealed lighting in its many modern forms, and of this the assessors approved.

The assessors had no difficulty in choosing about a dozen entries which could all be considered as serious candidates for the prizes. The standard of these entries, in their view, fully justified holding the competition. Their presentation was extremely high, both in the plans and elevations, the colour perspectives and the details of furniture, fittings, etc. A weakness in a number of the designs (including some of the best) was an absence of sufficient distinction of character between the saloon and the public bars; this being once more an English tradition which should not be lost sight of. The best designs were particularly good as to colour.

## FIRST PRIZE

A thorough study of the best entries made it apparent at an early stage that the design by E. Pollak, V. Prus, C. Hasler, P. Sharland and R. Negus, should be awarded first prize. It combines more of the required attributes in one design than any of the others, and is remarkable for its spirited and imaginative quality. The bars are airy and full of light without being bleak, and they have a lively character without indulging in whimsicalities. Though by no means conventional, they look like the bars of a pub. The plan of all four bars is workmanlike and

tees. Work selected will be included in a review entitled "Designers in Britain," which will be published in May, 1951. The work reproduced must be credited to an individual designer or named members of a design team. All work submitted will be considered by the following selection committees:—*Commercial design*, Leonard Beaumont, F. H. K. Henrion; *Industrial design*, Milner Gray, Alec Hunter, R. D. Russell. Work will include exhibition and display exhibition murals; lighting, furniture, prefabricated buildings. More particulars may be obtained from the SIA, 7, Woburn Square, W.C.1.

## CWMBRAN

## Town Planning Consultants

The Development Corporation of Cwmbran New Town, near Newport, has appointed Messrs. Minoprio and Spencely and P. W. Macfarlane as planning consultants.

## MOTCP

## New Town at Corby

The Minister of Town and Country Planning has decided on a New Town at Corby, Northants, following the public inquiry which was held at Corby on November 29 and 30 last year. He has approved the draft designation order, but has made important modifications designed to safeguard land of major importance for agriculture and ironstone working. This involves reduction of the designated area from 3,550 acres to about 2,500 acres.

The Minister considers that provision should be made for an increase of the present population of 14,000 to 40,000, but he is aware that so substantial a reduction in the area designated will complicate the task of the Development Corporation. The reservation is, however, made that if, when the Development Corporation's outline plan is available, it becomes apparent that this is the case, the Minister will consider whether a further order should be made.

The main object of the New Town, says the MOTCP, is to provide for an increase of population arising from the expansion of Messrs. Stewarts and Lloyds' works in Corby, but, they say, the New Town must also provide not only housing but the social and commercial services needed for a population of this size. Consideration will also be given to the provision of employment for those not employed in the steel works.

## DIARY

*The Public-house of Tomorrow.* Exhibition at Victoria and Albert Museum, Kensington, W.1. (Sponsor, The Architectural Press.) Daily, 10 a.m. to 6 p.m. Sundays, 2.30 p.m. to 6 p.m. Closed on Good Friday. UNTIL APR. 29

BBC Third Programme Talks. *Town Planning Since the War.* (April 9 and 13.) Prof. Gordon Stephenson. *Ebenezer Howard.* (April 18.) F. J. Osborne.

APR. 9, 13 AND 18

Annual General Meeting. Institute of Registered Architects, 47, Victoria Street, S.W.1. 6.15 p.m. APR. 14

straightforward, and the larger bars are suitably broken up so as to give the required effect of intimacy, but still to read as a whole. Such features as sitting space and fireplaces are well placed, the details are imaginative (witness the use of glass screens in the large saloon bar, and intelligent use of barrels and other equipment proper to the pub, especially in the two public bars). The choice of materials suggests that the important factor of ease of upkeep has not been forgotten. Finally, the presentation is of a very high standard, with charmingly drawn perspectives and plenty of character in the sketches of detail. The report is brief but sensible.

#### SECOND PRIZE

The design by M. Russell and G. Dunn also maintains a remarkably high standard of presentation. Great trouble has been taken in suggesting the actual materials to be used and providing samples. Compared with the winner's liveliness and lightness of touch, the assessors felt that the bars in this design were a little on the polite side, the saloon bars in particular trembling on the verge of over-smoothness. They have more the character of a hotel lounge than of a real pub. The designs, in fact, show rather conventional modern taste, but at such a high level that it makes a model for all those who would follow. It is the prototype for the conventional modern pub, and as such gets second prize. One might distinguish between the first and second by saying that the latter uses the orthodox modern idiom with great virtuosity, to achieve what are genuine pub effects, while the former enters into the pub spirit and makes it yield an original modern interpretation.

#### THIRD PRIZE

The third prize goes to the design by Ian Grant and D. B. Bullivant, which improved considerably on close inspection. The working details are particularly efficient and well presented. A weakness is that the several bars have much the same character, which makes for dullness; in particular, the public bar, instead of having a character of its own, looks too much like the saloon bar done more cheaply. The planning is good, though there might be a tendency to congestion on crowded nights. The assessors liked the use of top lighting in the small saloon bar. Compared with the subtlety and imagination in the use of colour shown by the first prize winner, and the refinement of colour shown by the second (not to mention several of the runners-up), the colour shown in this design is rather poor, but the assessors have deliber-

ately looked beneath the superficialities of good draughtsmanship for real imagination. This design gets third place on the strength of its grasp of the essential pub devices—towering barrels, cosy corners, and a good use of the traditional variety of materials.

#### HIGHLY COMMENDED

In addition to the three prize-winners, the assessors picked out two designs which they would like to commend very highly. The design by Peter Oldfield has one virtue not shown to the same extent even by the prize winners: a clear differentiation of character between the saloon bars and the public bars. The larger public bar was particularly liked and is, in fact, one of the best bars submitted. The scale is just right, the space imaginatively used and the materials appropriate. It was felt, however, that the saloon bars, in spite of their interesting contrast with the public bars, had too much the character of Victorian pastiche. Their colour, also, was not altogether liked. The planning of this design is satisfactory, though not so good as that of the winners, the plan of the large saloon bar being rather weak. There might, as in the previous case, be overcrowding problems on busy nights, though again, this is not the sort of consideration on which the assessors placed the greatest emphasis. The details of furniture and fittings supplied with this design were not quite so thorough as in the case of the winning entries. As between this and the third prize-winner, the latter exploits the rich qualities of the Victorian pub creatively; Peter Oldfield's design, in its saloon bars, just goes over the border-line into pastiche.

The other design the assessors wish to commend highly is that by Terence Bliss and George Subiotto, which is particularly efficiently presented and very well detailed. It is full of interesting ideas for using traditional motifs in a modern way, but the somewhat hard character that has resulted is not, the assessors felt, in the best English pub tradition. It has somewhat more the character of an American "Quick Lunch Bar." Some of the colour was not much liked; but nevertheless it is an interesting design.

#### RUNNERS UP

Several other designs, although not quite qualifying for prizes or for special commendation, have good points to which the assessors would draw attention.

The design by K. Adams and K. C. Bourne shows spacious and intelligent planning, but there is an effect of emptiness, lacking intimacy, and it has

more the character of a country club than a public house. Some of the details are poor.

Once more, parts of the design by I. C. Baker have not caught the pub character, but more that of an hotel lounge. This is one of the few competitors who has contrived to combine all four of the bars required into the same pub, the others (including the winner) having preferred to combine them in pairs or independently, as was allowed for in the conditions. This is very well presented in quite a different style from most of the others, with good rich colour giving a sense of the material. The lighting and light fittings were not much liked by the assessors; on the other hand there is confident use of traditional pub decorative motifs, such as brewers' trade marks, which are used in conjunction with modern materials in a lively way.

The design by John Ambrose and Jeffrey Lyde makes interesting use of a bar on two levels, and the perspectives have a pleasing character in their rather sketchy fashion. This design provides an interesting example of the use of colour by the frank application of paint rather than through the use of materials, which is commended as being in line with a recognized pub tradition. It is accompanied by a very good report.

M. J. Leonard's design took a great deal of the assessors' time in trying to discover what the competitor intended. It is clearly an interesting scheme, full of ideas which merit a less eccentric presentation. The planning, though ingenious, does not fulfil requirements in the way of proper supervision of all bar space from the service area. Though cleverly—perhaps too cleverly—making use of changes of level and other devices, some of these are hardly practical. The drawings are overloaded with a great deal of information that was not asked for; on the other hand, certain details asked for are not provided. The assessors had to dismiss this design with regret, as being in many places so confused as not to make a very strong contribution to contemporary pub design, but they appreciated and admired the author's wish to break away from the conventions. This spirit is needed.

The design by Patrick Horsburgh and D. F. Tandy has well shaped rooms and bars and some pleasing ideas in decoration, including ideas drawn from the nautical situation chosen by the author for one of his bars. The detailing is uneven, but the assessors particularly liked the large saloon bar with its range of built-in seats crowned with barrels silhouetted against the window.



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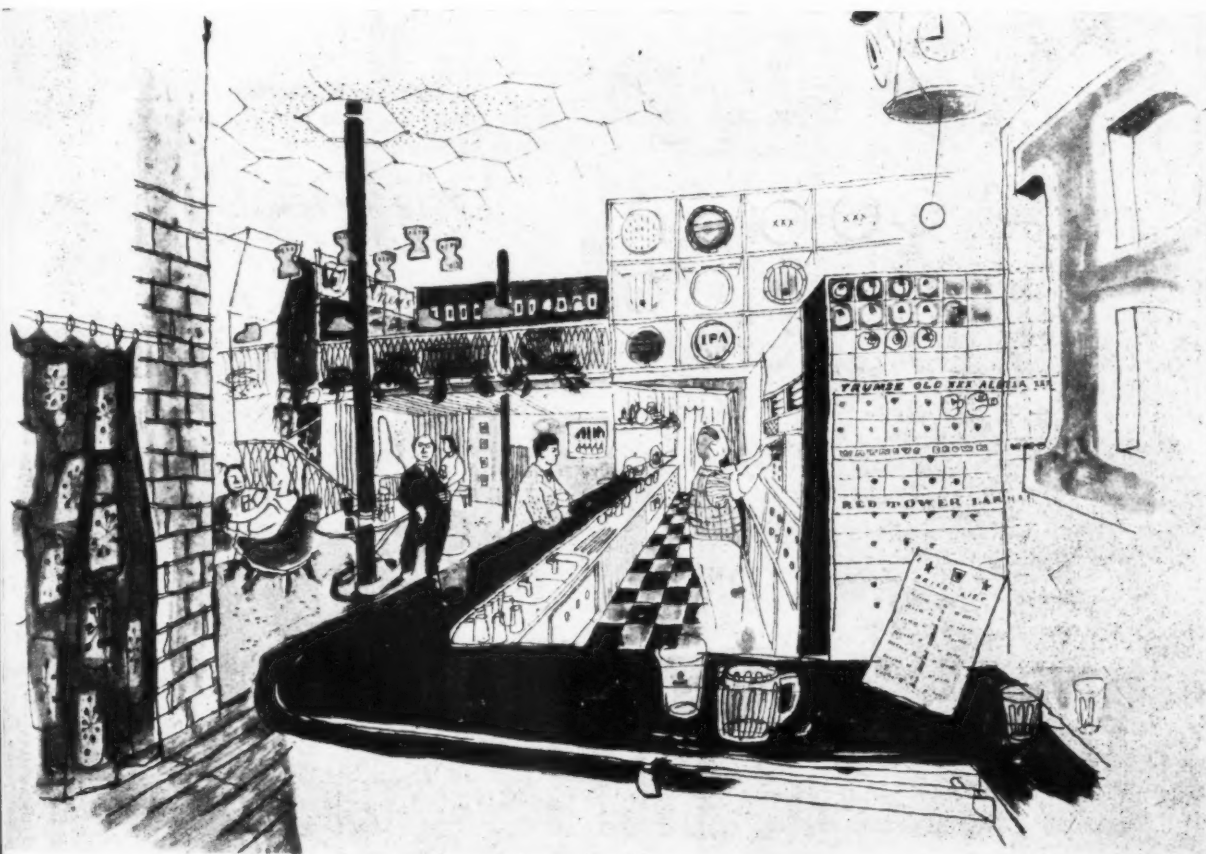
## PUB COMPETITION

FIRST PRIZE DESIGN

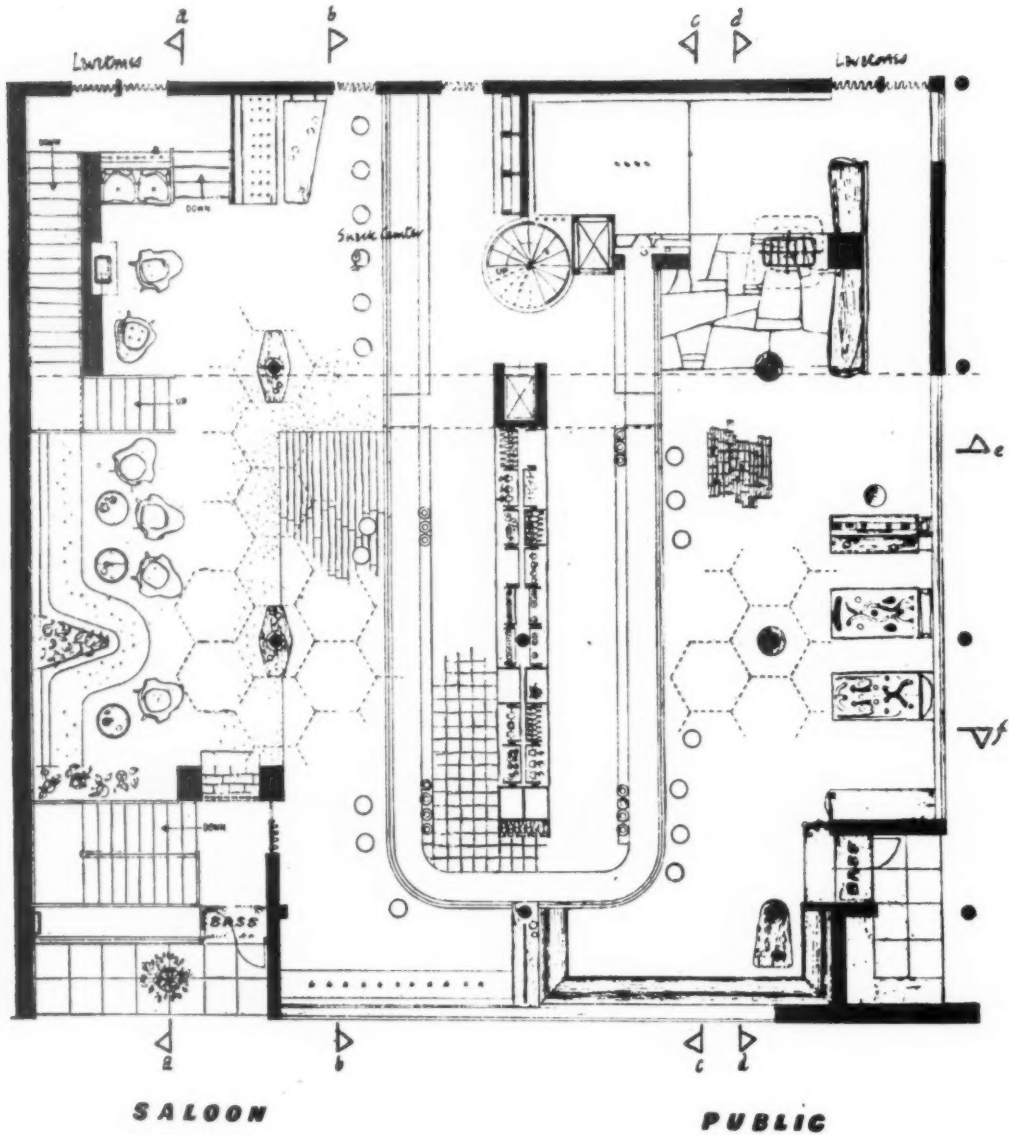
designed by E. POLLAK, V. PRUS, C. HASLER,  
P. SHARLAND and R. NEGUS

This scheme shows that the intention was to introduce new features and materials and new ways of using old ones, while at the same time retaining the necessary traditional atmosphere. The typical pub "furniture" essential to this atmosphere has been employed in as functional and decorative a manner as possible. Mirrors, bottles, barrels and advertising have all been incorporated to strengthen the overall character of the result. As the external elevations are the direct result of the internal planning, they have been shown, although they were not specifically asked for.

*The large saloon bar.*







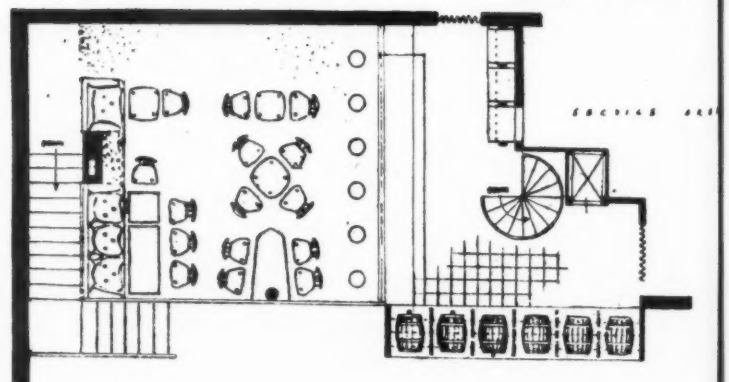
Plan of large saloon and public bars

## PUB COMPETITION

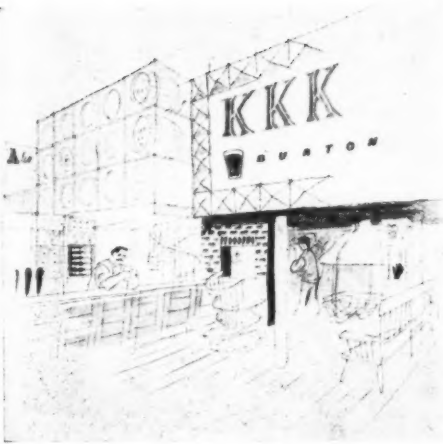
### FIRST PRIZE DESIGN

designed by E. POLLAK, V. PRUS,  
C. HASLER, P. SHARLAND and R. NEGUS

**GENERAL.**—The most important initial decision made was that each set of two bars, large saloon and public bars and small saloon and public bars, should be related to a central service area as the most practical and satisfactory arrangement. In the two large bars the dominating feature, visible from both, is the overhead beer store, which brings the cellar within view. A cooling installation is provided and the beer is gravity fed by flexible transparent cables to the bars. The barrels are hoisted from the cellars by block and tackle and once in position are tilted by automatic flat spring fitments.

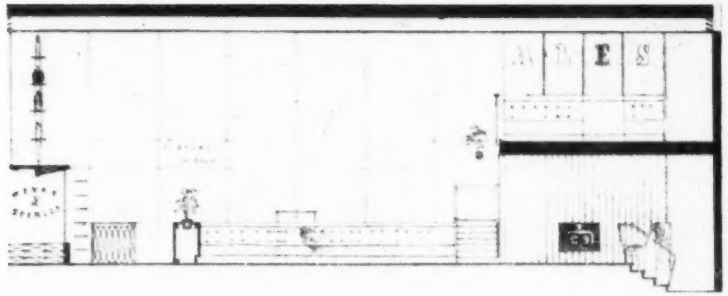


Gallery over the saloon

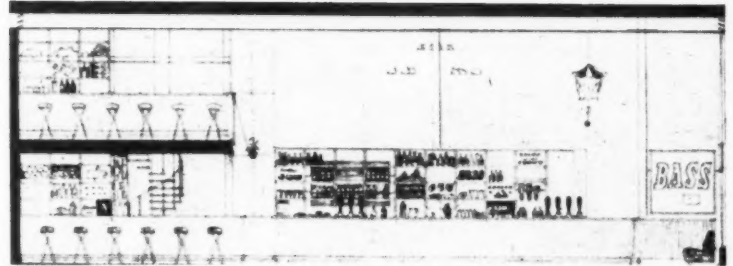


**LARGE SALOON AND LARGE PUBLIC BARS. PLAN.**—There is a gallery at the end of the saloon bar where meals and snacks are available, food being brought either from the basement or the adjacent servery. A clear view is possible across the activity of the bar into the street beyond. Beneath the gallery at the end of the public bar an effort has been made to re-create the intimate atmosphere of the early inn kitchen, with a space around the open fireplace where the publican can mingle with his regular customers. A restaurant, clubroom or billiards room can be accommodated in the basement, accessible by two staircases.

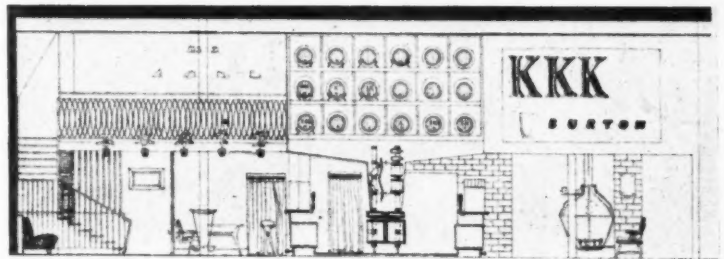
**FINISHES.**—In the entrance areas the flooring is of large, regular paving stones; in the service areas, check pattern tiles; in the public bar, wood mosaic with rough paving around the fireplace; in the saloon bar, pitch pine strips and carpet. The ceilings throughout are of perforated, nicotine coloured, cellular plastic board with a hexagonal pattern. Over the columns there are hexagonal mirrors inset. The wall surfaces in the public bar are gloss and untreated facing bricks and in the saloon bar, mirror glass and pitch pine strips. The public bar counter surfaces are zinc with a hardwood edge and in the saloon bar, mahogany.



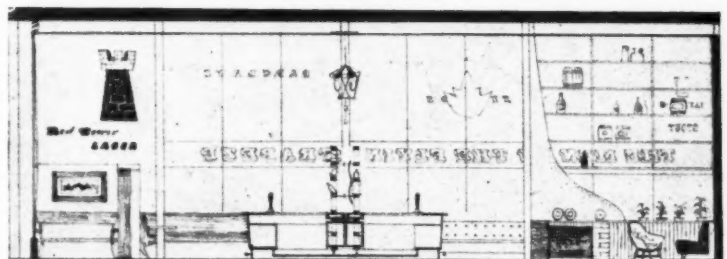
Elevation A-A



Elevation B-B



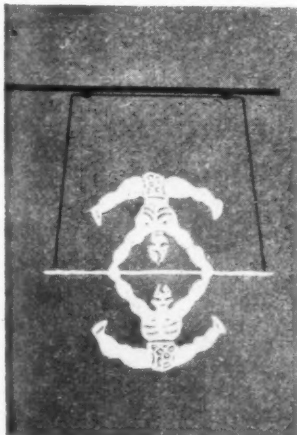
Elevation E-E



Elevation F-F



Elevation to street



Top left, the large public bar. Left, the inn sign which will rotate in the wind.



*Small saloon bar.*

## PUB COMPETITION

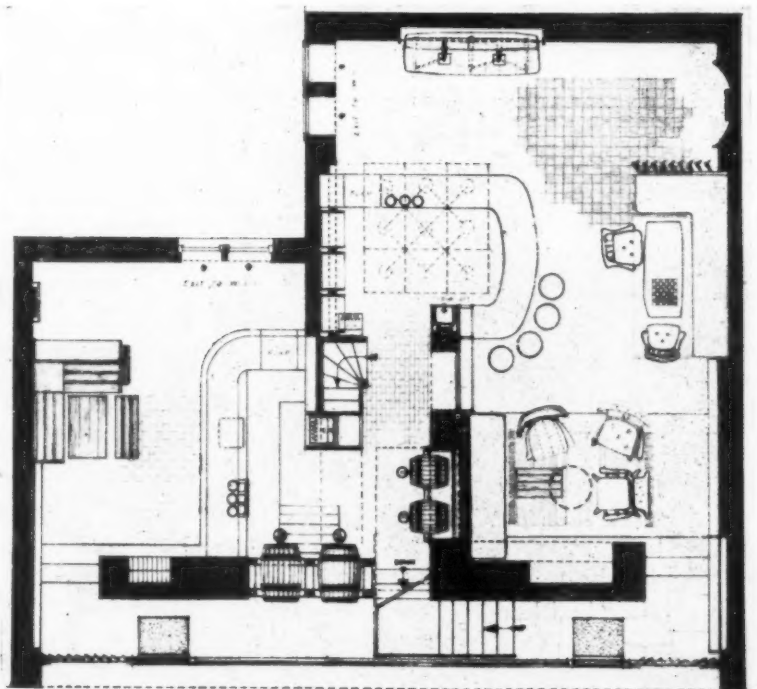
### FIRST PRIZE DESIGN

designed by E. POLLAK, V. PRUS, C. HASLER,  
P. SHARLAND and R. NEGUS

Plan of small saloon and public bars

**SERVICES.**—Fireplaces provide heat and ventilation with the addition of heating coils, covered with a perforated grille, running below the length of the glass external walls. Ventilation is also supplied by a space left above the perforated ceiling, extending over the whole area, through which a draught will always be circulating. Foul air is drawn through the perforations and out through louvres in the external walls.

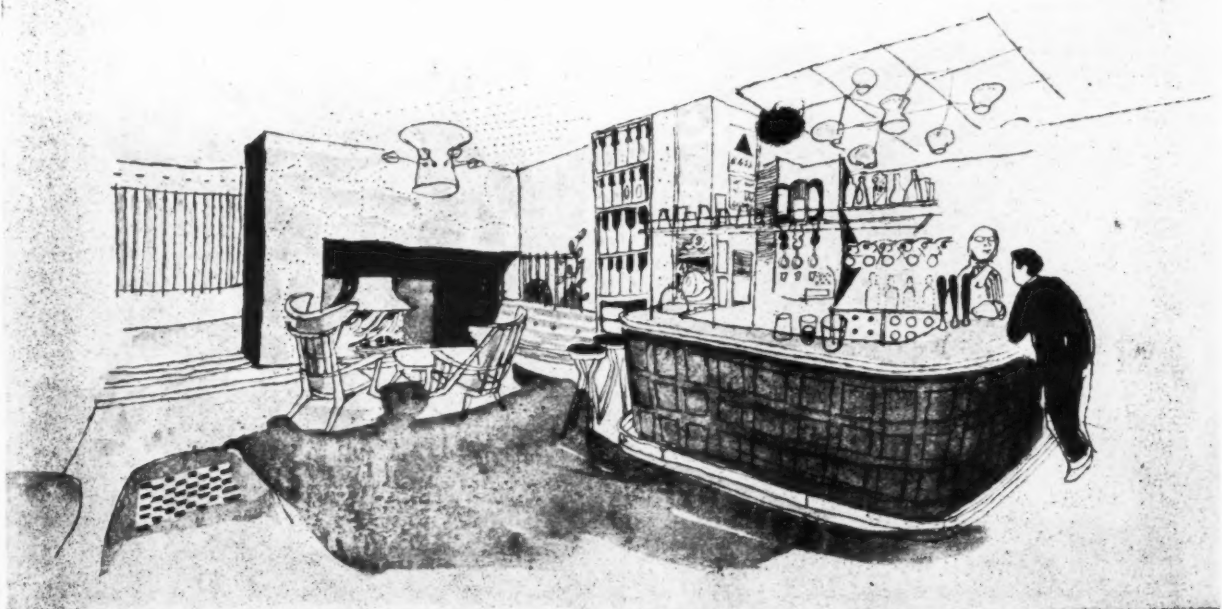
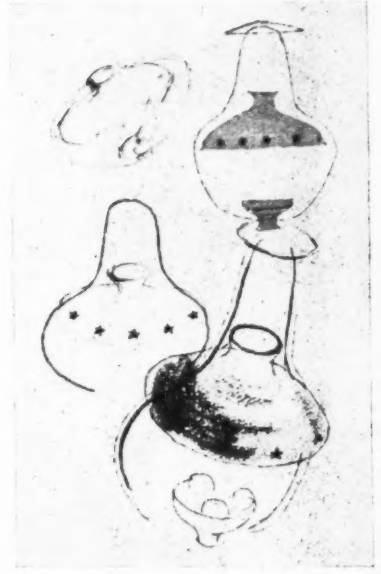
**SMALL SALOON AND SMALL PUBLIC BARS. PLAN.**—Some visual connection between these two bars was thought desirable and a "window" has been provided above the fireside settee in the saloon bar. There is an open staircase leading to a club or billiards room and, beneath this, stairs lead from the service area down to the cellarage. A third staircase up to the first floor provides access to and from the service area for the landlord and staff. The large fireplaces in each bar form an interesting elevation behind the glass of the façade.



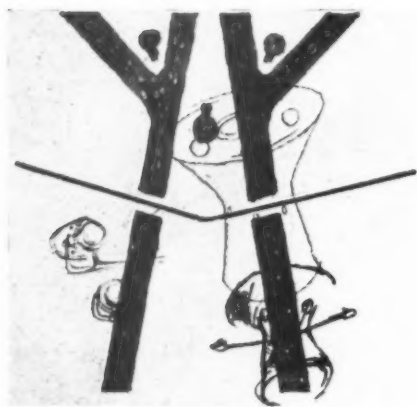
**FINISHES.**—Glass is used in both bars and a large decorated mirror allows the landlord to see the entrance and passers-by outside to see the interior through the louvres by the door. Another mirror is placed in the corresponding entrance to the saloon bar. There are others in the service area. The furniture in the public bar is of pitch pine and of traditional design. Wax-polished, natural cherrywood is used for furniture and woodwork in the saloon bar. Coat pegs are incorporated in the screen by the dart board. The flooring in the entrance areas is of large paving stones; in the service areas, bricks on edge, with flush-fitting duck boards along bar counters; in the public bar, brick; in the saloon bar, wood mosaic. The ceiling in the public bar is plaster, varnished; in the saloon bar, deal and cherrywood panelling. The wall surfaces in the public bar are 3-in. pitch pine strips, cork and mirror; in the saloon bar, cherrywood strips for walls up to the shelf and for counter facing with the remainder rendered. The counter surfaces are of linoleum with hardwood edge in the public bar and cherrywood in the saloon bar.

**SERVICES.**—In both bars the fireplaces supply both heat and ventilation, and in the saloon a water-heated pipe from the fireplace is incorporated in the bar counter footrail. The light fittings in the public bar are adaptations of traditional types and the main installation in the saloon is suspended over the service area, consisting of a 6 ft. 9 in. square mirror reflecting nine bulbs.

*Above right, sketch details for light fittings in the public bar. Right, chairs for the small saloon bar. Below, the small saloon bar.*



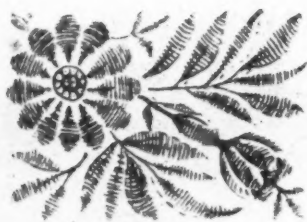




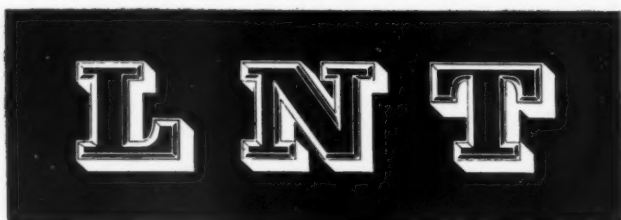
## PUB COMPETITION

FIRST PRIZE DESIGN

designed by E. POLLAK, V. PRUS, C. HASLER,  
P. SHARLAND and R. NEGUS



Left : top, sketch of mural above fixed seating in saloon bar ; beneath, sketch design for a light over the fireplace. Above, mirror in saloon bar entrance. Left : below, engraved glass mirror in small public bar ; bottom, beer pulls in porcelain and wood. Below : top and bottom, lettering for street windows ; centre, decorative barrel ends.



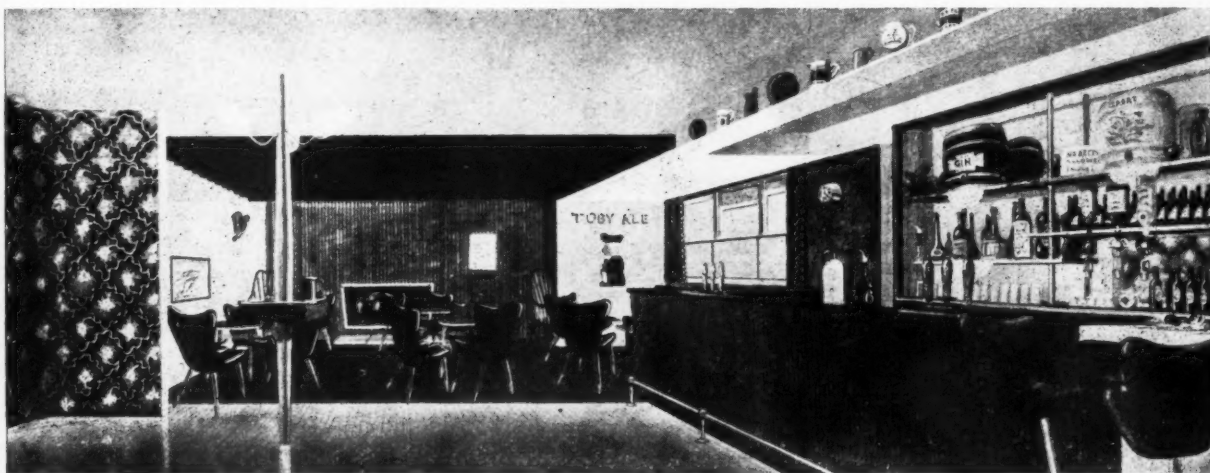
## PUB COMPETITION

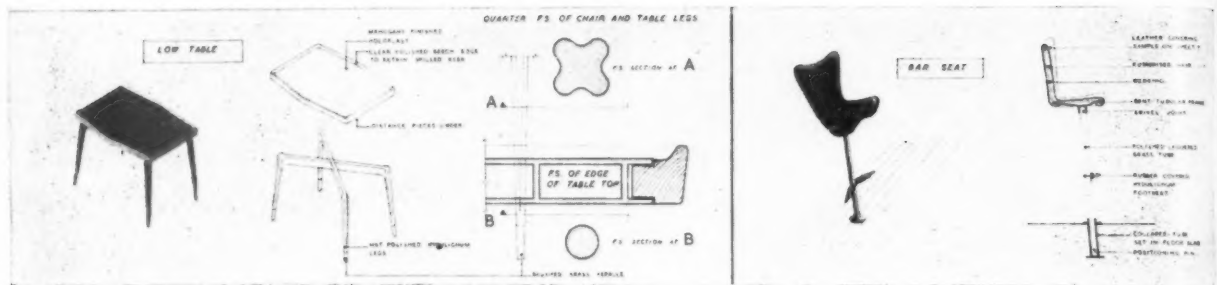
SECOND PRIZE DESIGN

designed by M. RUSSELL and G. DUNN

In this scheme the four unrelated bars are designed for the Chislehurst, Kent, district, which is a mixed residential area with both rural and suburban boundaries. Window areas have been restricted as it is considered that excessive daylight is not in keeping with good pub atmosphere. The large saloon bar has been designed to allow the publican some scope to introduce his personality.

*Large saloon bar ; bottom, small saloon bar.*



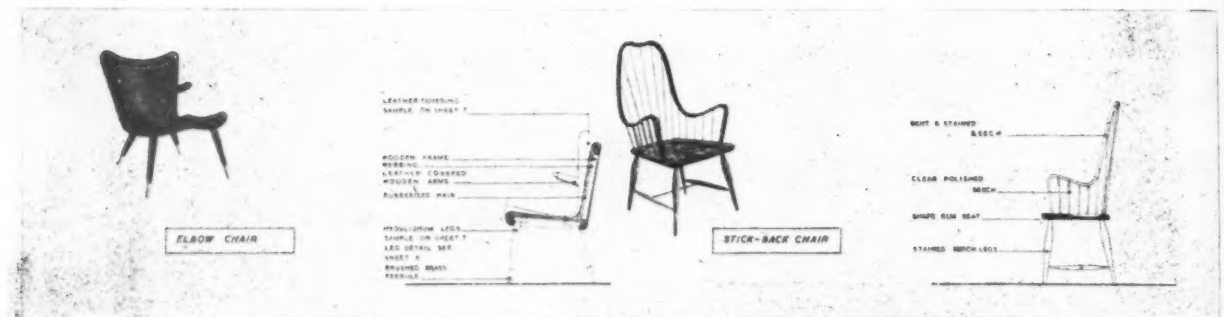


## PUB COMPETITION

### SECOND PRIZE DESIGN

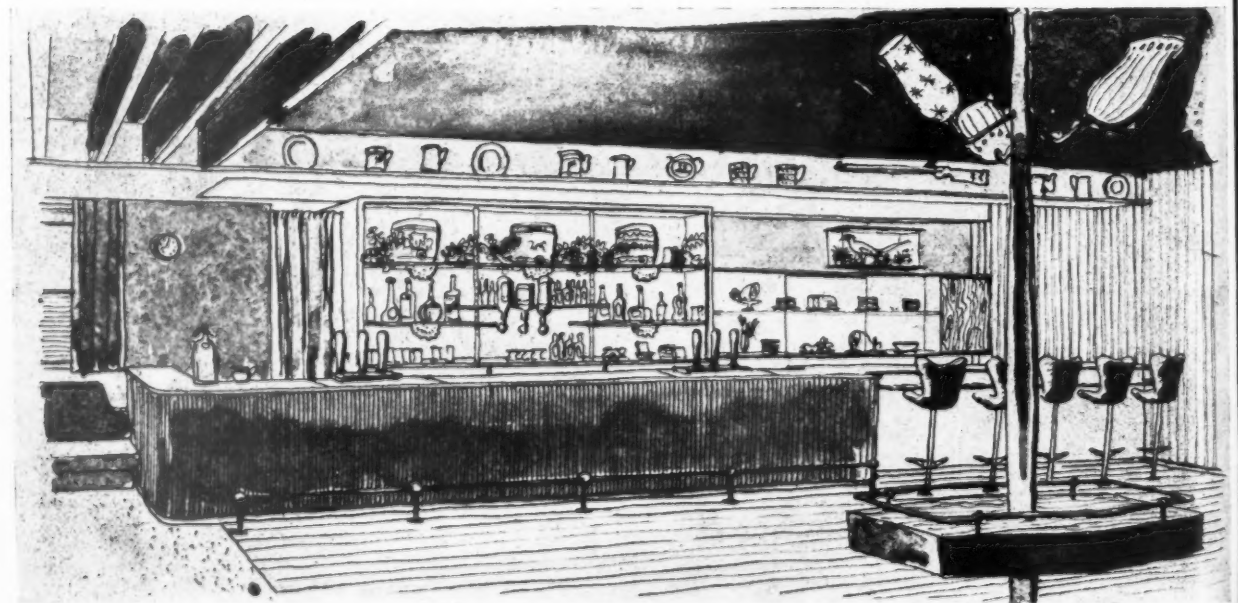
designed by M. RUSSELL and G. DUNN

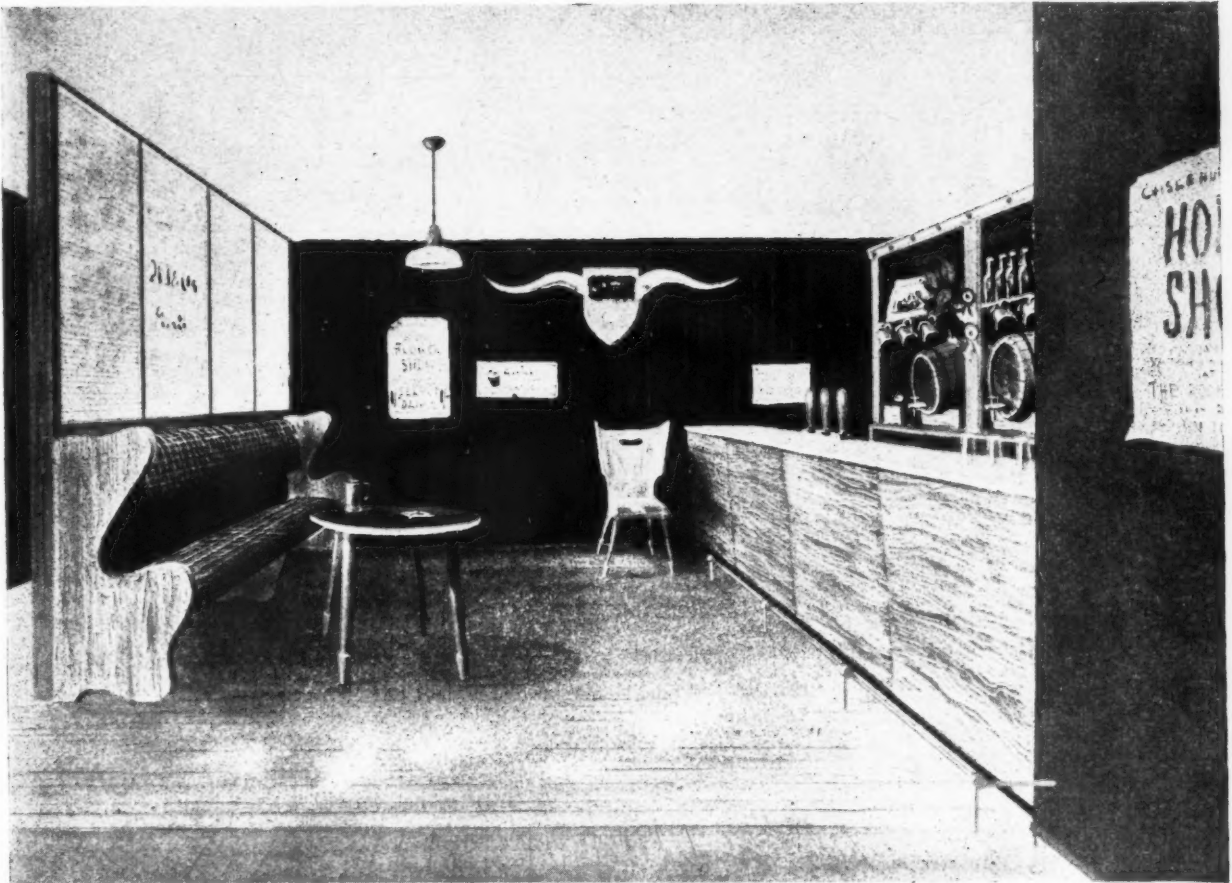
Above and below, details of furniture in large saloon bar. Bottom, perspective of large saloon bar.



**LARGE SALOON BAR. FINISHES.**—Wall finishes include wallpaper, oatmeal coloured hard gloss enamel, a contemporary form of linenfold in beech, matt polished. Plastic sheeting is used to give a hard wearing surface at the end of the seating with an advertising design incorporated in the material. There is also a section of wall with

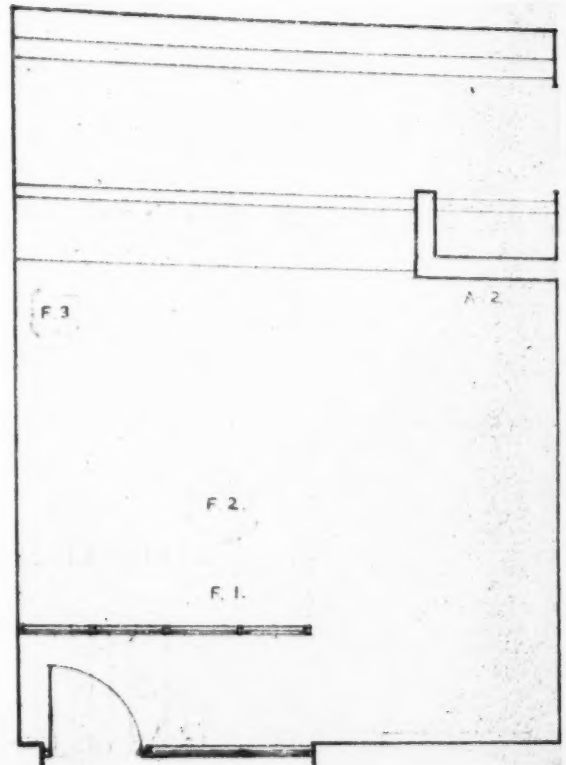
a flush panel of elm veneer. Grey-green matt paint and egg-shell finish white paint are used on the ceiling, which has timber beams, darkened and varnished. These beams are non-structural and are used to create a more intimate atmosphere. The floor finish is oak strip with Axminster carpeting. Polished mahogany is used for the bar top of the





Small public bar.

Plan of small public bar

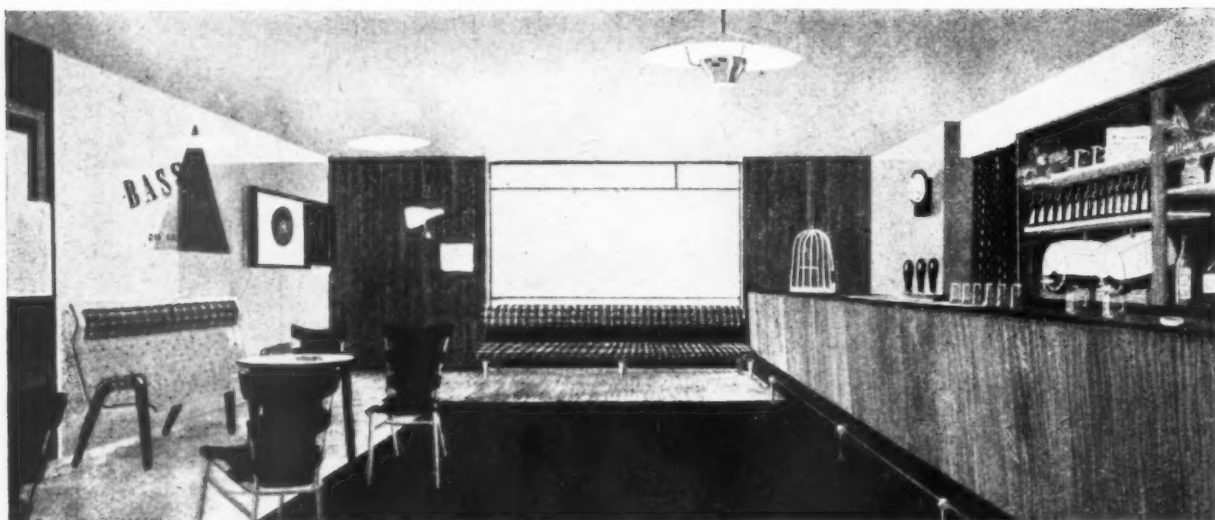


drinking section. The front of the bar has a surface of small section linenfold, made of beech, and the back cabinet has birch shelves supported on lacquered brass tubes and backed with mirror glass. The section opposite the snack bar has sliding glass panels in front and a hatch from the service area behind. The footrail is of lacquered brass. Brown hide is used to cover the fixed seating [of moulded cellular sponge rubber], which is divided by two fixed shelves of mahogany veneered cellular plastic board.

**SERVICES.**—The light fittings include three glass globes projecting from a free-standing spar. There is a trough of strip lights recessed into the ceiling and concealed strip lights run the full length of the drinking and eating bars. The main heating is by low temperature radiation ceiling panels and there are two open fireplaces to improve ventilation; this is assisted by a controlled extract duct, which runs the length of the room above the bar.

**SMALL SALOON BAR. FINISHES.**—In the belief that the public respond to good materials, some of high quality have been used in this bar. Wall finishes include a biscuit coloured wall cloth, flush panelling of elm veneer and eggshell paint. The ceiling has a patterned paper except over the darts





*Large public bar.*

## PUB COMPETITION

### SECOND PRIZE DESIGN

designed by M. RUSSELL and G. DUNN

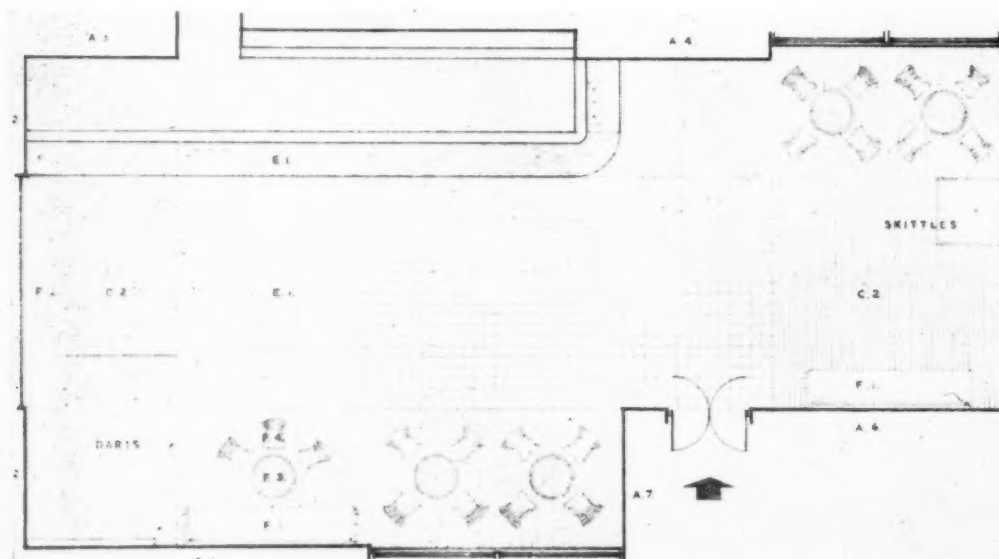
and entrance area. The flooring is of hard wood strips and a large hand knotted rug is placed by the fire. The bar has a polished mahogany top with an edge of polished beech, and is faced with blue hide. The back cabinet has shelves of armour-plate glass and is lined with waxed yew veneer. The furniture is upholstered in cellular sponge rubber. The chairs are covered in hide as used for the bar front and the stools are covered in green hide.

**SERVICES.**—The lighting is provided by a two-lamp wall fitting of brushed brass with a clear acetate shade with striped linen laminated in it. Diffused strip lighting is placed in the back cabinet and a

recessed light panel is situated in the elm ceiling adjacent to the entrance door. Heating is by low temperature radiation ceiling panels and an open fire. There is controlled extract ventilation by means of a wall duct at ceiling height.

**SMALL PUBLIC BAR. FINISHES.**—Hard wearing and easily cleaned materials have been used in this bar, which has wall finishes of vertical match boarding painted glossy chocolate brown, matt dark brick red and buff oatmeal colour. The last is used on the ceiling. The bar top is of cream coloured laminated plastic sheet and the footrail is brass.

Plan of large public bar



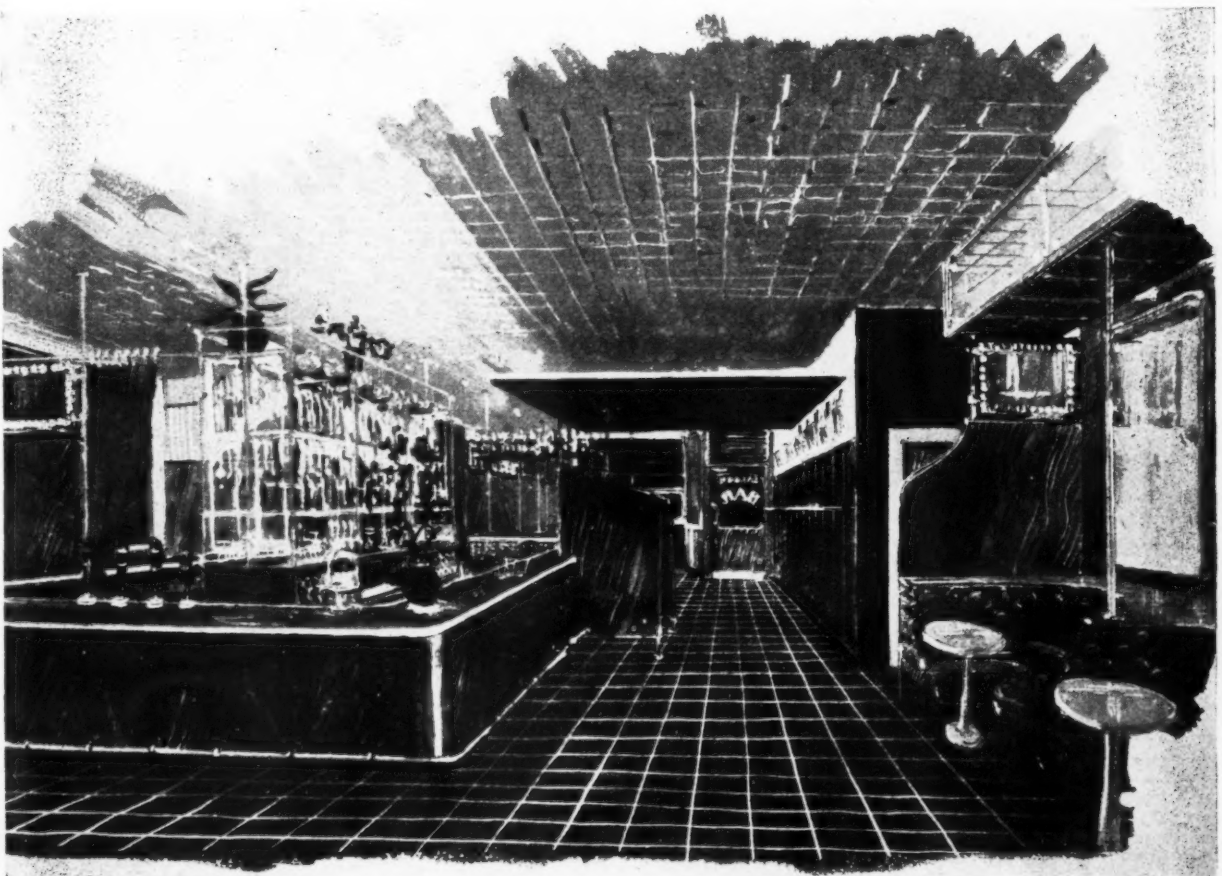
## PUB COMPETITION

THIRD PRIZE DESIGN

designed by IAN GRANT and D. B. BULLIVANT

In this scheme the large saloon bar is designed for a public house in London's West End, with a large and varied clientele which gives it the character of a caravanserai rather than a club. The publican, a large, elderly, jolly lady, has a penchant for lush potted plants and pictures of animals. The small saloon bar for a pub between London's City and West End, is principally a wine bar, specializing in a large variety of vintages. The large public bar is designed for a small town within easy reach of London, where the main activity and living stems from several racehorse studs.

*Large saloon bar.*



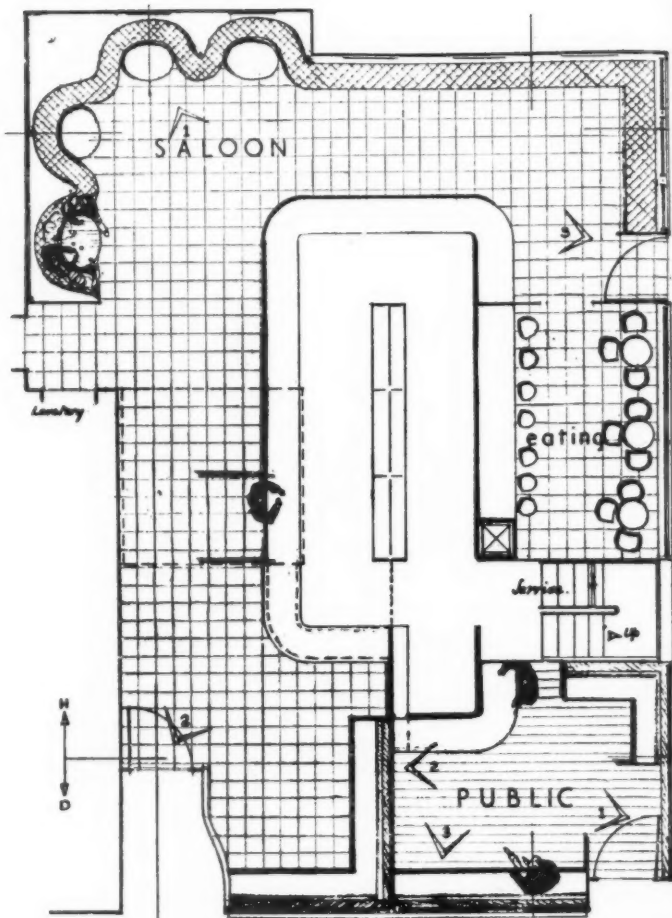
## PUB COMPETITION

THIRD PRIZE DESIGN

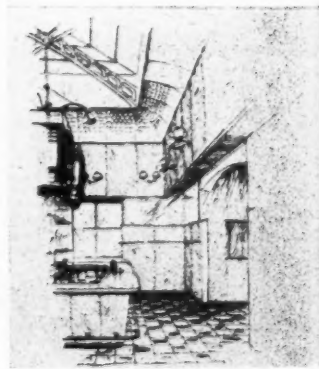
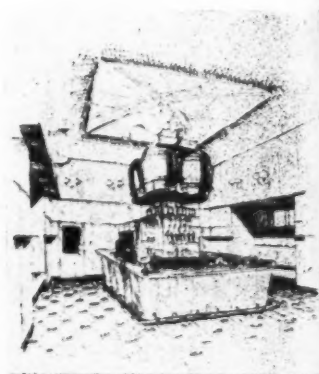
designed by IAN GRANT and D. B. BULLIVANT

**LARGE SALOON BAR. FINISHES.**—The floor is of  $\frac{1}{4}$ -in. battleship linoleum glued to screed. The floor of the service area is 2 in. higher than the main floor and the bar counter and bar back fitting have a plinth of black tiles behind which are spaced bricks. The bar counter is faced with  $\frac{1}{2}$ -in. mahogany laminated cellular board and topped with  $\frac{1}{8}$ -in. green linoleum glued to aluminium sheet with a mahogany edge. The footrail is a 1-in. diameter brass tube. The bar back fitting has deal shelves with a mahogany cover strip and a shelf of mahogany cellular plastic board at 3 ft. 4 in. height, above which is a shelf of toughened glass supported on a brass tube girder that also carries the supporting arms holding up-turned bottles in position. The fixed window seating is framed out of 2-in. by 1-in. deal with a 1-in. mahogany cill above the back rest and at a height of 6 ft. is a mahogany shelf supported on a brass rail to carry potted plants. Other fixed seating is of pierced and moulded plywood on a deal frame with a mahogany shelf.

*Views of the small saloon bar.*



Plans of large saloon and small public bars.



## PUB COMPETITION

### THE TWO COMMENDED DESIGNS

1. designed by TERENCE BLISS and GEORGE SUBIOTTO
2. designed by PETER OLDFIELD

In the first commended design the large public bar is for a pub occupying a corner site in a new London neighbourhood unit. The bar is L-shaped and the main part of it lies between the two entrances. It is suggested that a room of about 150 sq. ft. served through a hatch might lead off the public bar and accommodate a skittle alley. The small saloon bar is for a pub in the Baker Street district of London, where a certain atmosphere of sophistication is required.

*Large public bar.*







Small saloon bar

## PUB COMPETITION

THE TWO COMMENDED DESIGNS

1. designed by TERENCE BLISS and GEORGE SUBIOTTO

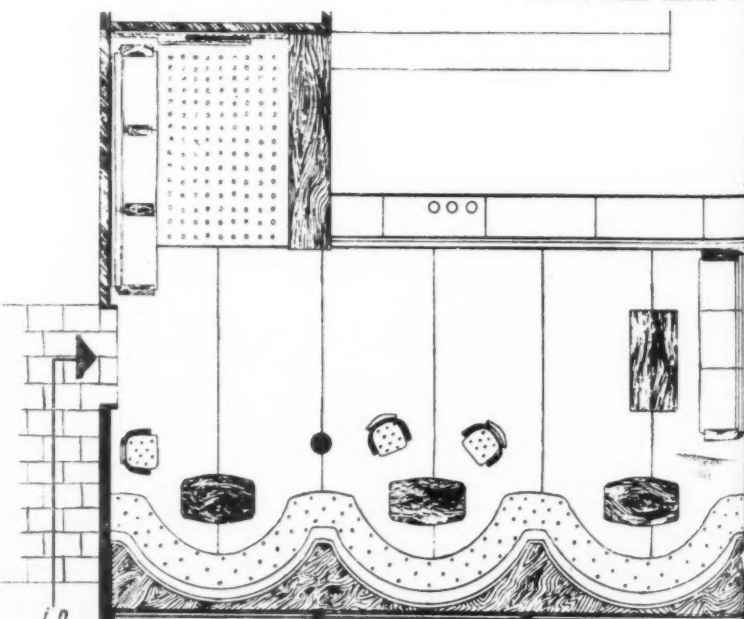
**LARGE PUBLIC BAR. GENERAL.**—One entrance has been used to split the darts area from the rest of the bar and a large drum constructed of ash boarding with recessed joints screens the circular staircase up to the billiards saloon. The ceiling has been cut away to give a view upwards in this saloon. In the middle of the bar is a black piano, from which the front panels have been removed and replaced by lightly etched glass to show the works.

**FINISHES.**—There is a plastered ceiling to the low recess on one side of the bar and the end walls of this recess are decorated with photographs of boxing personalities. The floor is dark stained deal boarding. The steel columns are painted white and sheathed up to elbow height in mahogany strips. The screen at the other end of the bar has painted panels up to counter height, above which there are glass panels with brewers' advertisements behind. The floor is of heather-brown tiles with black perforated rubber mats at the entrances. The bar counter top is of pewter with a front of chocolate mahogany and a stainless steel footrail.

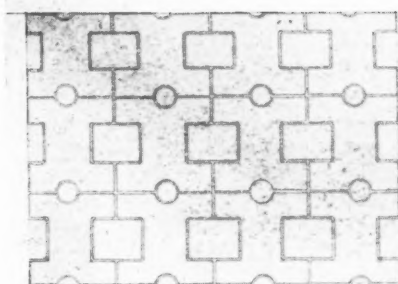
**SMALL SALOON BAR. FINISHES.**—The floor is of end-grain oak cubes over most of the area, stained a dark nigger brown and set off by  $\frac{1}{4}$ -in. brass strips at 2-ft. centres running at right angles to the bar. The ceiling is in three parts. The curved portion over the service area is virtually a large light reflector, lined with  $2\frac{1}{2}$ -in. maple strips laid parallel to the counter. The normal bulkhead slab carries round this recess, giving a low ceiling height over the curved seats and darts area. The slab and the

soffits of the beams over the darts area are painted a dark blue-grey. One wall is of rough plaster painted deep brick red to transome level, above which it is glazed. The wall facing the entrance is of waxed plywood up to dado height and above this mirror glass. The bar top is of black Delabole slate, 1 in. thick, with a 4-in. deep brass leading edge. The counter front is faced in vertical grained mahogany with a 4-in. recessed plinth. The curved window seats are constructed of laminated wood framing, upholstered with  $1\frac{1}{4}$ -in. foamed rubber and covered with natural polished leather secured with aluminium studs.

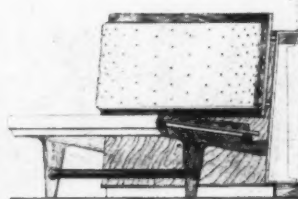
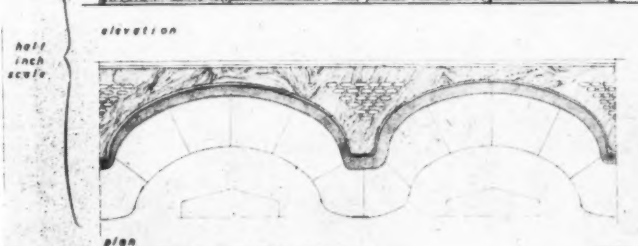
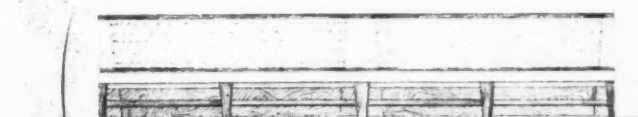
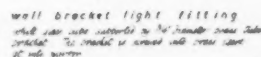
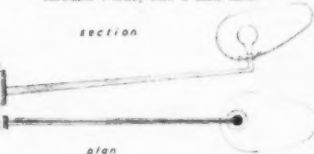
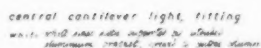
Plan of small saloon bar



*Details of furnishing and decorations in large saloon bar. The ceiling treatment seen left is of nicotine coloured lincrusta, and a similar treatment of the walls, bottom left, is in ochre, white and blue-black.*



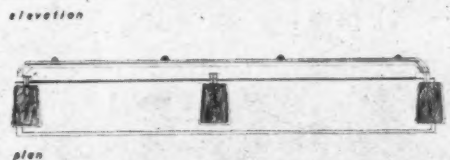
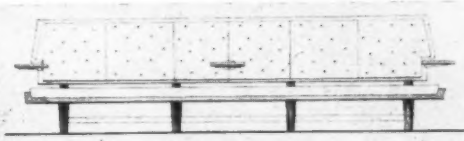
linacrusta treatment for ceiling and 1/2 in. on  
newly installed



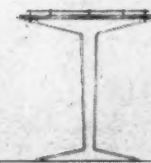
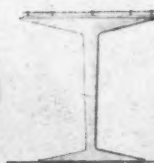
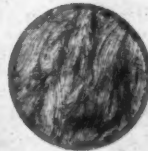
fixed curved seating

Metopony frons supported by  
broad metopony lips and the snout  
with framing of rostr. The lips are  
broad by oral-catheter still red  
unmarked gray.  
The dorsomedial rostr. and back  
are yellowish or black leather,  
covered with aluminum scale and  
scales.

The smaller tooth is mesial -  
 situated distal to the first  
 molar tooth a few millimeters  
 below. The upper tooth is found  
 in the second pharynx.



Section inch scale

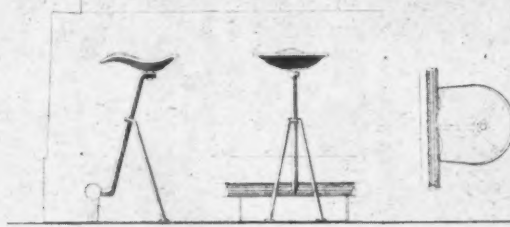
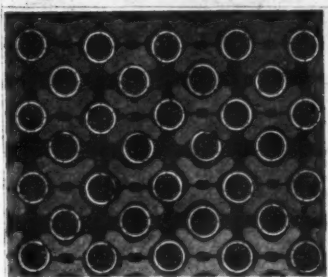


*long seat*

The arms which are fitted to turn  
out or fall are of 7' diameter  
fitted with metal brackets to  
lock against.

chair inch scale

Back and arms on mottled brownish wood  
ground to brown felt on 2/3 mottled brownish  
grey, mixed with 1/3 brown stained rubber  
support and frame on 1/3 brown felt, mottled brown



fixed table inch scale

Ty - red molybdenum. 1/4" thick with  
1/4" diam. brass oval. Ty is secured  
to cast steel base and support. The  
support is welded to circular steel  
base called a flange.

All steelwork is measured just from girth

per foot      inch scale

Hummerlike, but covered on back  
natural hair, polished to sat surface.  
Nose suggests a "diamond" still  
with the steel almost visible in it. "H"  
diamond. Nose support is secured  
with steel core of brass but-ran by  
large, great, screw. Struts are covered  
with hair.

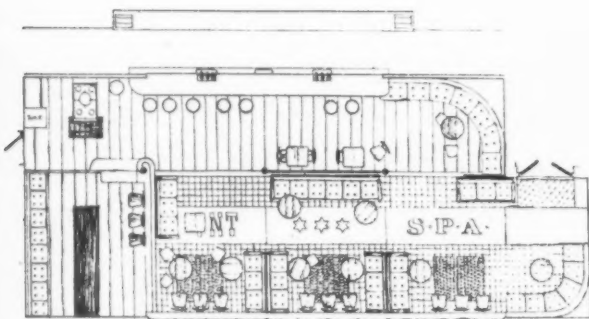


**GENERAL.**—The small public bar in this design is for a new inn to be built on the side of a canal, which has ceased its function and is to become part of a proposed park. The new bar is designed to preserve the tradition of the English riverside pub; by the fireplace is a brass oil-lamp and there are pictures depicting canal life. The small saloon bar is for a new West End pub, situated on the fringe of theatreland. The clientele require an atmosphere which is glittering and lush. The walls are of rich mahogany with shining bottles and seats of damson plush and a curved window shows the black of the night. Polished brass and lettering in the rococo gin palace tradition completes the scene. The large public bar is intended for a new pub in the factory area of an industrial town. The bar is simple in form yet interesting in its organization; large plain wall surfaces of wood, mirror and plaster have no suave details. The large saloon bar is intended to incorporate all that is best in English pub tradition, while in no particular locality. The outer saloon provides a sitting out space or winter garden, then there is an area for seclusion independent of the bar proper. The circular bar itself is the hub of the design.

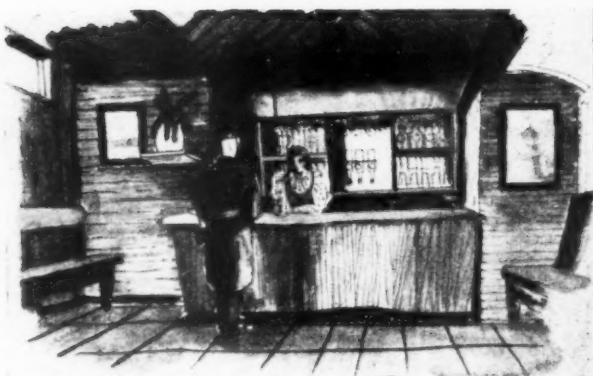
## PUB COMPETITION

THE TWO COMMENDED DESIGNS  
2. designed by PETER OLDFIELD

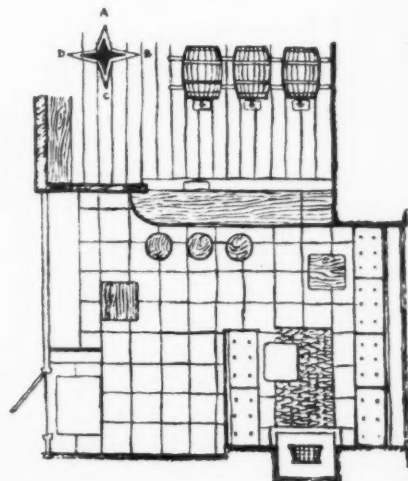
*Above left, large public bar. Below and bottom left, small public bar.*



Plan of large public bar



Plan of small public bar



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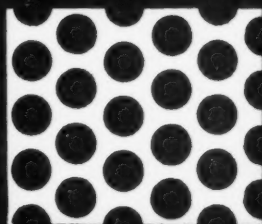


# PRODUCTS | PERFORATED METALS

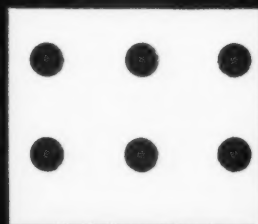
26.D1

The Architects' Journal Library of Information Sheets 263 Editor: Cotterell Butler, A.R.I.B.A.

26.D1



No. 208



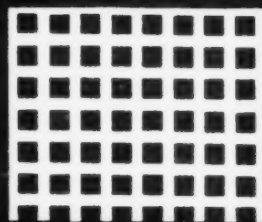
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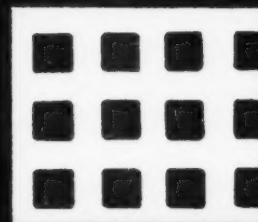
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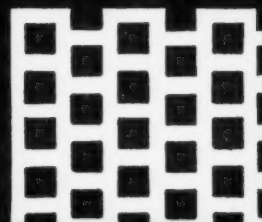
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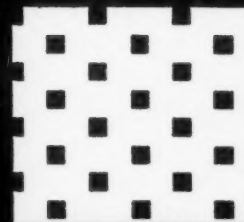
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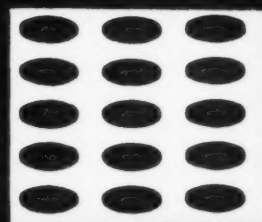
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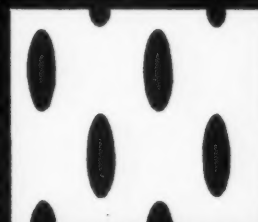
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No. 674



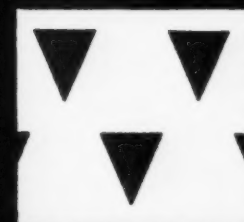
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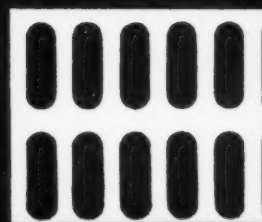
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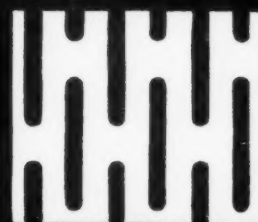
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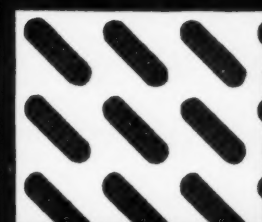
No. 1941



No. 1926



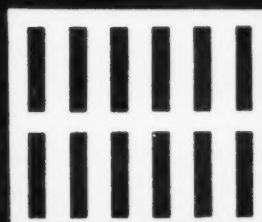
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No. 1669



No. 656



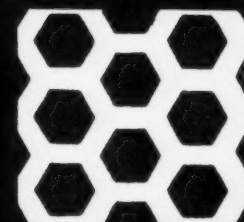
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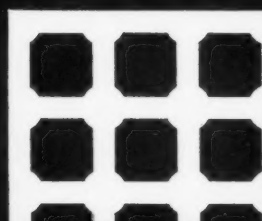
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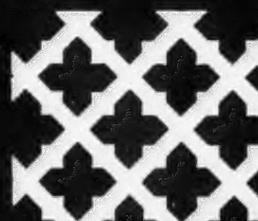
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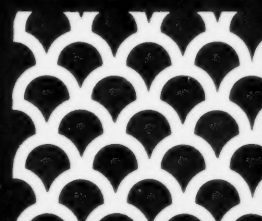
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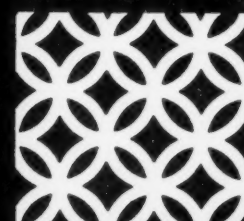
No. 2552



No. 1317



No. 388



No. 2040

## 26.D1 PERFORATED METALS : TYPICAL STANDARD PATTERNS

This Sheet illustrates a selection of designs for perforating sheet metal. These are typical examples of the large range of patterns available. The perforated material is available in panel form or in built-up units (such as radiator covers) and with an all-over pattern or combination of various patterns. In the case of certain patterns embossing can be introduced; unperforated embossed panels are also available.

### Materials

Perforated sheets are available in steel, brass, copper, bronze and aluminium-alloy.

**Panel sizes:** Panels are purpose-made in sizes to suit requirements. The thickness of the metal is dependent on the material used and degree of perforation. The most common thickness for brass and steel is 18 gauge.

### Perforations : Range of Standard Patterns

The following figures give the sizes of the patterns illustrated. The minimum/maximum sizes are for similar patterns in the same range.

No. 208 : perforations 0.24 in. diameter. Minimum 0.0215 in. diameter, maximum 9 in. diameter.  
 No. 1827: perforations 0.2 in. diameter. Minimum/maximum range as pattern number 208.  
 No. 842: perforations 0.375 in. square. Minimum 0.125 in. square, maximum 3 in. square.  
 No. 387: perforations 0.65 in. by 0.32 in. Minimum 0.35 in. by 0.13 in., maximum 3.75 in. by 2.94 in.  
 No. 1342: perforations 0.125 in. square. Minimum 0.039 in. square, maximum 1.281 in. square.  
 No. 1253: perforations 0.236 in. square. Minimum/maximum range as pattern number 1342.  
 No. 983: perforations 0.187 in. square. Minimum 0.039 in. square, maximum 6 in. square.  
 No. 674: perforations 0.125 in. square. Minimum/maximum range as pattern number 983.  
 No. 464: perforations 0.354 in. by 0.167 in. Alternative pattern available 0.315 in. by 0.157 in.  
 No. 2347: perforations 0.5 in. by 0.187 in. Minimum 0.22 in. by 0.53 in., maximum 7 in. by 5 in.  
 No. 1378: perforations 0.276 in. wide. Minimum 0.157 in., maximum 0.394 in.  
 No. 1941: perforations 0.375 in. by 0.437 in. Alternative pattern available 0.125 in. by 0.125 in.  
 No. 1926: perforations 0.512 in. by 0.177 in. Minimum slot width 0.031 in., maximum 1.25 in. Minimum slot length 0.118 in., maximum 3.5 in.  
 No. 937: perforations 0.787 in. by 0.098 in. Minimum slot width 0.019 in., maximum 1.125 in. Minimum slot length 0.394 in., maximum 3 in.  
 No. 1669: perforations 0.5 in. by 0.156 in. Minimum 0.393 in. by 0.68 in., maximum 3.5 in. by 0.687 in.  
 No. 656: perforations 0.454 in. by 0.059 in. Alternative pattern available 0.75 in. by 0.125 in.  
 No. 1882: perforations 0.511 in. by 0.098 in. Minimum slot width 0.016 in., maximum 1.181 in. Minimum slot length 0.25 in., maximum 3.15 in.

No. 1598: perforations 0.750 in. by 0.062 in. Minimum slot width 0.015 in., maximum 1.25 in. Minimum slot length 0.059 in., maximum 4 in.

No. 1336: perforations 0.390 in. by 0.093 in. Minimum 0.39 in. by 0.045 in., maximum 0.875 in. by 0.125 in.

No. 1280: perforations 0.314 in. across the flats; this is the minimum size available. Maximum 1.750 in.

No. 2552: One pattern only available. Illustration is half full size.

No. 1317: Pattern shown is half full size. Alternative pattern available 0.47 in. square.

No. 388: Pattern shown is half full size. Other patterns available have perforations 0.6 in. by 0.5 in., 0.95 in. by 0.8 in. and 0.65 in. by 1.28 in.

No. 2040: One pattern only available. Illustration is half full size.

### Applications

Radiator covers, pipe guards and covers, ventilator panels, ornamental grilles.

### Finish

**Steel panels:** Stove enamelled or painted in any colour.

**Brass panels:** Polished copper and lacquered, polished brass and lacquered, satin brass and lacquered, oxidised copper relieved and lacquered (bright or dull), oxidised copper relieved and lacquered (light, medium and dark), copper-bronze and lacquered (light, medium and dark), antique brass and lacquered, nickel, polished and lacquered, nickel oxidised (bright and dull relieved), polished silver, antique gold and lacquered.

### Orders

The following particulars should be given when ordering perforated metal panels:—

The metal required, thickness, size of panel and number of panels.

Size and shape of perforations and pitch. For oval or slot perforations state if length of hole is parallel with width or length of plate.

Sizes of margins or blank spaces if required.

For curved panels send sketch.

This Series of Sheets deals with tanks, cisterns, bins, bunkers, cycle-racks, non-ferrous metal mouldings, perforated and embossed metals, woven wire screens, steel partitions and furniture, railings, fencing, gates, manhole covers, rainwater goods and ventilators.

Compiled from information supplied by:

G. A. Harvey & Co. (London) Ltd.

Head Office: Greenwich Metal Works, London, S.E.7.

Telephone: Greenwich 3232 (20 lines).

Telegrams: Cheaper, Wol, London.

London Office: 58, Victoria Street, S.W.1.

Telephone: Victoria 4963.

**BUILDING SCIENCE | MATHEMATICS | CONVERSION TABLES****2.A3**

The Architects' Journal Library of Information Sheets 264. Editor: Cotterell Butler, A.R.I.B.A.

This Sheet sets out the metric equivalents of inches, feet, yards, square inches, square feet and square yards.

Inches : Centimetres, Feet : Metres, Yards : Metres.

Centimetres : Inches, Metres : Feet, Metres : Yards.

No.	Inches : centimetres.	Feet : metres.	Yards : metres.	No.	Centimetres : inches.	Metres : feet.	Metres : yards.
1	2.5400	0.3048	0.9144	1	0.3937	3.2808	1.0936
2	5.0800	0.6096	1.8288	2	0.7874	6.5617	2.1872
3	7.6200	0.9144	2.7432	3	1.1811	9.8425	3.2808
4	10.1600	1.2192	3.6576	4	1.5748	13.1234	4.3745
5	12.7000	1.5240	4.5720	5	1.9685	16.4042	5.4681
6	15.2400	1.8288	5.4864	6	2.3622	19.6850	6.5617
7	17.7800	2.1336	6.4008	7	2.7559	22.9659	7.6553
8	20.3200	2.4384	7.3152	8	3.1496	26.2467	8.7489
9	22.8600	2.7432	8.2296	9	3.5433	29.5276	9.8425
10	25.4000	3.0480	9.1440	10	3.9370	32.8084	10.9361
11	27.9400	3.3528	10.0584	11	4.3307	36.0892	12.0298
12	30.4800	3.6576	10.9728	12	4.7244	39.3701	13.1234
13	33.0200	3.9624	11.8872	13	5.1181	42.6509	14.2170
14	35.5600	4.2672	12.8016	14	5.5118	45.9317	15.3106
15	38.1000	4.5720	13.7160	15	5.9055	49.2126	16.4042
16	40.6400	4.8768	14.6304	16	6.2992	52.493	17.4978
17	43.1800	5.1816	15.5448	17	6.6929	55.774	18.5914
18	45.7200	5.4864	16.4592	18	7.0866	59.055	19.6851
19	48.2600	5.7912	17.3736	19	7.4803	62.336	20.7787
20	50.8000	6.0960	18.2880	20	7.8740	65.617	21.8723
21	53.3400	6.4008	19.2024	21	8.2677	68.898	22.9659
22	55.8800	6.7056	20.1168	22	8.6614	72.178	24.0595
23	58.4199	7.0104	21.0312	23	9.0551	75.459	25.1531
24	60.9599	7.3152	21.9456	24	9.4488	78.740	26.2467
25	63.4999	7.6200	22.8600	25	9.8425	82.021	27.3404
26	66.0399	7.9248	23.7744	26	10.2362	85.302	28.4340
27	68.5799	8.2296	24.6888	27	10.6299	88.583	29.5276
28	71.1199	8.5344	25.6032	28	11.0236	91.863	30.6212
29	73.6599	8.8392	26.5176	29	11.4173	95.144	31.7148
30	76.1999	9.1440	27.4320	30	11.8110	98.425	32.8084
31	78.7399	9.4488	28.3464	31	12.2047	101.706	33.9020
32	81.2799	9.7536	29.2608	32	12.5984	104.987	34.9957
33	83.8199	10.0584	30.1752	33	12.9921	108.268	36.0893
34	86.3599	10.3632	31.0896	34	13.3858	111.549	37.1829
35	88.8999	10.6680	32.0040	35	13.7795	114.829	38.2765
36	91.4399	10.9728	32.9184	36	14.1732	118.110	39.3701
37	93.9799	11.2776	33.8328	37	14.5669	121.391	40.4637
38	96.5199	11.5824	34.7472	38	14.9606	124.672	41.5573
39	99.0599	11.8872	35.6616	39	15.3543	127.953	42.6510
40	101.5999	12.1920	36.5760	40	15.7480	131.234	43.7446
41	104.1399	12.4968	37.4904	41	16.1417	134.514	44.8382
42	106.6799	12.8016	38.4048	42	16.5354	137.795	45.9318
43	109.2199	13.1064	39.3192	43	16.9291	141.076	47.0254
44	111.7599	13.4112	40.2336	44	17.3228	144.357	48.1190
45	114.2999	13.7160	41.1480	45	17.7166	147.638	49.2126
46	116.8399	14.0208	42.0624	46	18.1103	150.919	50.3063
47	119.3799	14.3256	42.9768	47	18.5040	154.199	51.3999
48	121.9199	14.6304	43.8912	48	18.8977	157.480	52.4935
49	124.4599	14.9352	44.8056	49	19.2914	160.761	53.5871
50	126.9999	15.2400	45.7200	50	19.6851	164.042	54.6807
55	139.6999	16.7640	50.2920	55	21.6536	180.446	60.1488
60	152.3999	18.2880	54.8640	60	23.6221	196.850	65.6169
65	165.0999	19.8120	59.4359	65	25.5906	213.255	71.0849
70	177.7998	21.3360	64.0079	70	27.5591	229.659	76.5530
75	190.4998	22.8600	68.5799	75	29.5276	246.063	82.0211
80	203.1998	24.3840	73.1519	80	31.4961	262.467	87.4891
85	215.8998	25.9080	77.7239	85	33.4646	278.871	92.9572
90	228.5998	27.4320	82.2959	90	35.4331	295.276	98.4253
95	241.2998	28.9560	86.8679	95	37.4016	311.680	103.8934
100	253.9998	30.4800	91.4399	100	39.3701	328.084	109.3614



## 2.A3 CONVERSION TABLES

Sq. Inches : Sq. Centimetres,  
Sq. Yards : Sq. Metres.

Sq. Feet : Sq. Metres,

Sq. Centimetres : Sq. Inches,  
Sq. Metres : Sq. Yards.

Sq. Metres : Sq. Feet.

No.	Sq. inches : sq. centimetres.	Sq. feet : sq. metres.	Sq. yards : sq. metres.
1	6.4516	0.0929	0.8361
2	12.9032	0.1858	1.6723
3	19.3548	0.2787	2.5084
4	25.8064	0.3716	3.3445
5	32.2579	0.4645	4.1806
6	38.7095	0.5574	5.0168
7	45.1611	0.6503	5.8529
8	51.6127	0.7432	6.6890
9	58.0643	0.8361	7.5251
10	64.5159	0.9290	8.3613
11	70.9675	1.0219	9.1974
12	77.4191	1.1148	10.0335
13	83.8707	1.2077	10.8696
14	90.3222	1.3006	11.7058
15	96.7738	1.3935	12.5419
16	103.2254	1.4864	13.3780
17	109.6770	1.5793	14.2141
18	116.1286	1.6723	15.0503
19	122.5802	1.7652	15.8864
20	129.0318	1.8581	16.7225
21	135.4834	1.9510	17.5586
22	141.9350	2.0439	18.3948
23	148.3865	2.1368	19.2309
24	154.8381	2.2297	20.0670
25	161.2897	2.3226	20.9031
26	167.7413	2.4155	21.7393
27	174.1929	2.5084	22.5754
28	180.6445	2.6013	23.4115
29	187.0961	2.6942	24.2477
30	193.5477	2.7871	25.0838
31	199.9993	2.8800	25.9199
32	206.4508	2.9729	26.7560
33	212.9024	3.0658	27.5922
34	219.3540	3.1587	28.4283
35	225.8056	3.2516	29.2644
36	232.2572	3.3445	30.1005
37	238.7088	3.4374	30.9367
38	245.1604	3.5303	31.7728
39	251.6120	3.6232	32.6089
40	258.0636	3.7161	33.4450
41	264.5151	3.8090	34.2812
42	270.9667	3.9019	35.1173
43	277.4183	3.9948	35.9534
44	283.8699	4.0877	36.7895
45	290.3215	4.1806	37.6257
46	296.7731	4.2735	38.4618
47	303.2247	4.3664	39.2979
48	309.6763	4.4593	40.1340
49	316.1278	4.5522	40.9702
50	322.5794	4.6451	41.8063
55	354.8374	5.1097	45.9869
60	387.0953	5.5742	50.1676
65	419.3533	6.0387	54.3482
70	451.6112	6.5032	58.5288
75	483.869	6.9677	62.7094
80	516.127	7.4322	66.8901
85	548.385	7.8967	71.0707
90	580.643	8.3613	75.2513
95	612.901	8.8258	79.4320
100	645.159	9.2903	83.6126

No.	Sq. centimetres : sq. inches.	Sq. metres : sq. feet.	Sq. metres : sq. yards.
1	0.1550	10.7639	1.1960
2	0.3100	21.5278	2.3920
3	0.4650	32.2917	3.5880
4	0.6200	43.0556	4.7840
5	0.7750	53.820	5.9800
6	0.9300	64.583	7.1760
7	1.0850	75.347	8.3719
8	1.2400	86.111	9.5679
9	1.3950	96.875	10.7639
10	1.5500	107.639	11.9599
11	1.7050	118.403	13.1559
12	1.8600	129.167	14.3519
13	2.0150	139.931	15.5479
14	2.1700	150.695	16.7439
15	2.3250	161.459	17.9399
16	2.4800	172.223	19.1359
17	2.6350	182.986	20.3319
18	2.7900	193.750	21.5279
19	2.9450	204.514	22.7239
20	3.1000	215.278	23.9198
21	3.2550	226.042	25.1158
22	3.4100	236.806	26.3118
23	3.5650	247.570	27.5078
24	3.7200	258.334	28.7038
25	3.8750	269.098	29.8998
26	4.0300	279.862	31.0958
27	4.1850	290.626	32.2918
28	4.3400	301.389	33.4878
29	4.4950	312.153	34.6838
30	4.6500	322.917	35.8798
31	4.8050	333.681	37.0758
32	4.9600	344.445	38.2717
33	5.1150	355.209	39.4677
34	5.2700	365.973	40.6637
35	5.4250	376.737	41.8597
36	5.5800	387.501	43.0557
37	5.7350	398.265	44.2517
38	5.8900	409.029	45.4477
39	6.0450	419.792	46.6437
40	6.2000	430.556	47.8397
41	6.3550	441.320	49.0357
42	6.5100	452.084	50.2317
43	6.6650	462.848	51.4277
44	6.8200	473.612	52.6237
45	6.9750	484.376	53.8196
46	7.1300	495.140	55.0156
47	7.2850	505.90	56.2116
48	7.4400	516.67	57.4076
49	7.5950	527.43	58.6036
50	7.7500	538.20	59.7996
55	8.5250	592.01	65.7796
60	9.3000	645.83	71.7595
65	10.0750	699.65	77.7395
70	10.8500	753.47	83.7194
75	11.6250	807.29	89.6994
80	12.4000	861.11	95.6794
85	13.1750	914.93	101.6593
90	13.9500	968.75	107.6393
95	14.7250	1022.57	113.6193
100	15.5000	1076.39	119.5992

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

## TECHNICAL SECTION

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

### INFORMATION CENTRE

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

#### 13.57 materials: timber TIMBER

Wood. Harold T. Eyres. (Pitman. 1950. 18s.)

General properties of timber, sources of supply, grading and quality, description of limited number of types, conversion including sawing and machinery. 252 pages. Illustrated diagrams and plates. Good general information but not written especially for architects.

This is a good up-to-date book which takes account of recent advances in knowledge and includes quite an amount of information of interest to architectural students and some value to practising architects. It covers the characteristics of timber very well and has some useful though rather brief notes on the commonly used timbers. It goes rather beyond the architect's need on measurement and calculation of timber and perhaps on sawing and machinery while omitting any detailed reference to the choice and use of timber in buildings. It is clearly written and in spite of the drawbacks mentioned in relation to timber for buildings it is probably as good a book as any other for architects who want a fairly short and general treatment on wood.

#### 16.60 materials: miscellaneous CONCRETE FROM BY-PRODUCTS

Industry's Waste Builds Warmer Houses. T. W. Parker. (The Municipal Journal, Jan. 20, 1950, pp.168-9)

Short descriptive article about the uses to which blast furnace slag, furnace clinker and sawdust are being put for building.

The point is made that after 25 years' research it has been possible to recommend

that the inner leaf of cavity walls in houses be built with foamed slag or clinker concrete blocks. The author stresses the dual advantage of this practice, namely, to make use of industry's waste products, and to provide better heat insulation in houses.

Other waste products are mentioned, but there is an implication that research has not yet advanced far enough to enable them to be so widely used as clinker and foamed slag.

The article does no more than outline current uses to which the products are put.

#### 18.45 construction: theory R.C. TEXTBOOK

Elementary Reinforced Concrete Design for Students of Architecture and Building. W. Morgan. (Edward Arnold & Co., 1949, 16s.)

A very useful introduction of the subject to students and practising architects. Little theory, but many worked examples taken from building construction. 303 pp., 319 illustrations.

Title and subtitle of this book admirably describe its contents and purpose, and this is more than can be said of many other technical and scientific publications. To those for whom the book has been written it should be a great help, first of all to students of architecture and building when preparing for their RIBA and other examinations, but not less to architects in practice, perhaps also to builders and clerks of works who may occasionally have to do a little designing themselves. The first two chapters deal with the fundamental theory, including modular ratio, bending moments and shear. Not too much of it, just to serve as a sort of refresher course before proceeding to the actual design of RC beams of rectangular and T-section, simply supported and continuous slabs, columns under axial load and subjected to bending. Most of the subjects covered by text, sketches and exercises directly concern the architect and builder and he will waste no time in studying them. This certainly applies also to the hollow tile floors, the two-way reinforced slabs, staircases and simple column footings. It may be argued whether the inclusion of design graphs and of tables from the new code of practice was justified in a book of this scope, but the author makes it clear that he hoped its use would not be restricted to preparing for examinations. The illustrations are well prepared, omitting the superfluous, and in many cases giving the essential idea by isometric sketches. Fig. 280, showing the deformation of a rigid frame with slender columns restrained at the bottom, ought to indicate some contraflexure of the stiff beam, however small it may be. There is, however, little to criticise but much to be commended in the presentation of the subject matter in this book which may well become a favourite among students of architecture.

#### 22.44 sound insulation and acoustics SOUND INSULATION PRINCIPLES

Principles and Practice of Sound Insulation. J. E. R. and K. M. Constable. (Pitman, 1949, 42s.)

Theoretical; planning; machinery; plumbing; ventilation; walls, windows, doors and floors; the building fabric as a whole; legal. Reference work; pp.262. 150 illustrations.

The summary of subject matter is shown above and is beyond reproach. Unhappily the text itself is uneven, and is deficient especially in the presentation of the practice of sound insulation in buildings. There is a passing reference to Post-War Building Study No. 14, but only a very brief one, and the concept of insulation as applied to a whole structure is dominated here by the pre-war outlook on walls and floors as elements for insulation on their own. The book therefore is less useful than the Post-War Building Study from general practice in flats and houses, and some other types of buildings.

On the other hand it does contain a very large amount of good material, not found elsewhere, on noise reduction in ventilation systems and plumbing, and from machinery in buildings. This is necessary information for the profession to be able to have for reference, and on this score the book deserves commendation.

No review could be complete without noting that it provides a monument to the distinguished work of the late Dr. J. E. R. Constable, to whom our profession stands greatly indebted for his work in this field before the war.

*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

#### 3018 COST OF EXCAVATION

**Q** A contractor is carrying out work based on a bill of quantities. The description runs:—

"Excavate over site average 12 in. deep to remove top soil and vegetable matter and remove and deposit to spoil tip not exceeding 50 yds." After excavation work was begun it was found necessary that the spoil should be carried an additional fifty yards to that already allowed in the bill. To value the increased work it is necessary to analyse the labours involved in the item described above. Can you provide the information required for this?

**A** Although the actual cost must depend upon a large number of factors, it is quite possible that the cost of hand digging in ordinary soil and disposal could be sub-divided as follows:—

Excavate 12 in. deep, 60 per cent, per yd. super.

Loading, wheeling 50 yds. and depositing, 30 per cent. per yd. super.

Wheeling additional 50 yds., 10 per cent. per yd. super.

It must be stressed that the cost of excavating in some types of soil is very much more expensive than in others, although the cost of disposal may remain nearly constant. For this reason it may be quite wrong to apply a theoretical analysis such as this, to an actual price.

The proper course is to try to ascertain how the contractor built up his price, and it may well be that other prices in the bill of quantities will throw some light on the subject.

# CURRENT MARKET PRICES OF MATERIALS

BY DAVIS, BELFIELD AND EVEREST, Chartered Quantity Surveyors

Rates of Wages last rose on February 6, 1950, and are now as follows:—

## LONDON DISTRICT

Within 12 miles radius .. .. .

From 12-15 " " .. .. .

## LIVERPOOL and DISTRICT

## GRADE CLASSIFICATIONS

	A	A <sup>1</sup>	A <sup>2</sup>	A <sup>3</sup>
Craftsmen..	2s. 10½d.	2s. 10d.	2s. 9½d.	2s. 9d.
Labourers..	2s. 4½d.	2s. 4½d.	2s. 4d.	2s. 3½d.

## Craftsmen.

## Labourers.

2s. 6d.

2s. 5½d.

2s. 6d.

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

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

Prices vary according to quality and the quantity ordered.

Those given below are average market prices and include delivery in the London area, except where otherwise stated, but do not include overhead charges and profit for the General Contractor.

## CONCRETOR

### Cements

	6 tons and over	In 80-ton freights F.A.S. Safe Wharf in River Thames London Area.
* Portland to B.S. 12 .. per ton	62/6	60/-
* Rapid hardening to B.S. 12 ..	68/6	66/-
† Aquacrete water repellent ..	94/-	
Snowcrete.....		(Minimum 1-ton lots) 233/- (paper bags free)

Prices for Portland Cement include for delivery to Charing Cross.

\* In non-returnable paper bags or jute sacks charged at 8/- net per ton or 6d. each net per bag in lots of less than 1 ton.

\* In returnable jute sacks charged at the rate of 35/6 net per ton of cement or 1/9½ net per sack in lots of less than 1 ton. Credit on return at 1/6 net per sack.

† Supplied in packages charged 8/- per ton extra.

### Aggregate and Sands, etc. (Full Loads)

1½" Unscreened ballast to B.S. 882, Table 5 ..	per yard cube	15/5
1" (Down) Washed, crushed and graded shingle to B.S. 882, Table 2 ..	per yard cube	14/5
¾" Sharp washed sand to B.S. 882, Table 3 ..	per yard cube	16/4
Brick hardcore ..	per yard cube	6/3

(For Sands for Bricklaying and Plastering, see respective trades)

### Reinforcement

Home trade maximum basis price for mild steel rods to B.S. 785, ½" diameter and upwards, ex milla delivered to station or siding ..	per ton	£21 13 6
Extras for:—		
Under ½" to ¾" diameter ..	per ton	15 0
Ditto ¾" and over ¾" diameter ..	per ton	£1 2 6
¾" and over ¾" diameter ..	per ton	£1 10 0
¾" and over ¾" diameter ..	per ton	£1 17 6
¾" and over ¾" diameter ..	per ton	£2 5 0
¾" and over ¾" diameter ..	per ton	£2 12 6
¾" and over ¾" diameter ..	per ton	£3 0 0
Under ½" to ¾" diameter ..	per ton	£4 10 0

### Fabric Reinforcement

16.35 lb. 9.32 lb. 4.71 lb. 1.83 lb.

Steel wire mesh fabric to B.S.

1221, Part A per yd. super. 5/11½ 3/5½ 1/8½ 1/1½

## BRICKLAYER

### Common Bricks

Third stocks ..	per 1,000	109/6
Rough stocks ..	per 1,000	129/6
Mild stocks ..	per 1,000	181/6
Sand limes ..	per 1,000	86/-
Phorpres pressed Flettons ..	per 1,000	85/-

### Facing Bricks

Hand-selected sand limes ..	per 1,000	121/-
Phorpres rustic Flettons ..	per 1,000	105/-
Stocks, first hard ..	per 1,000	216/6
Stocks, second hard ..	per 1,000	206/6
Southwater pressed sandfaced reds ..	per 1,000	222/6
Dorking pressed sandfaced multicoloured facings ..	per 1,000	191/-

## BRICKLAYER—(continued)

### Engineering Bricks

Lingfield engineering wirecuts ..	per 1,000	162/6
Southwater engineering No. 2 (second quality red pressed) ..	per 1,000	220/-
* Blue pressed bricks to B.S. 1301 ..	per 1,000	160/-

\* Plus 110% plusage, 5 per cent. builders cash discount.

### Glazed Bricks

	Best quality	Seconds
	£ s. d.	£ s. d.
White, Ivory or Brown, 9" × 2½" × 4½"		
Headers ..	per 1,000 39 10 0	37 10 0
Stretchers ..	per 1,000 40 0 0	38 0 0

Prices for glazed bricks + 22½%, seconds.  
+ 27½%, bests.

### Limes and Sands

	1 ton lots.
	per ton
† Lime, greystone, to B.S. 890 ..	84/9
† Lime, chalk, ditto ..	84/9
* Lime, hydrated, ditto ..	89/6
Washed pit sand to B.S. 1200 ..	per yard cube 16/4

\* Including paper bags.

† Hire of jute sacks charged at 1/6 and credited at 1/6. If left, charged at 1/9.

### Sundries

10 s.w. gauge galvanized butterfly type wall ties to B.S. 1243 ..	per 1,000	87/3
Wall ties, galvanized, 8" × ½" × ½", to B.S. 1243 ..	per cwt.	73/6
Damp proof course slates: Imported Welsh		
Size 14" × 9" ..	per 100	54/- 55/9
.. 14" × 4½" ..	per 100	26/3 27/6
Hessian base bitumen damp course to B.S. 743 ..	per yard super	4/6
	9" × 3" 9" × 6" 9" × 9"	
Terra-cotta airbricks ..	each	1/- 2/- 6/10
Galvanized cast-iron airbricks ..	each	2/7 4/2 6/10
Galvanized cast-iron hit-and-miss ventilators ..	each	2/8 5/1 6/6
Buff terra-cotta chimney 1' 0" 1' 6" 2' 0" 2' 6" 3' 6" 5' 0" pots ..	each	5/7 6/8 9/8 12/10 29/5 50/2
Wall reinforcement supplied in standard rolls containing 25 yards lines		
12" wide black japanned ..	per roll	3/-
12½" wide black japanned ..	per roll	3/8½
† Greater widths pro rata 2½" price, carriage paid on orders of £		

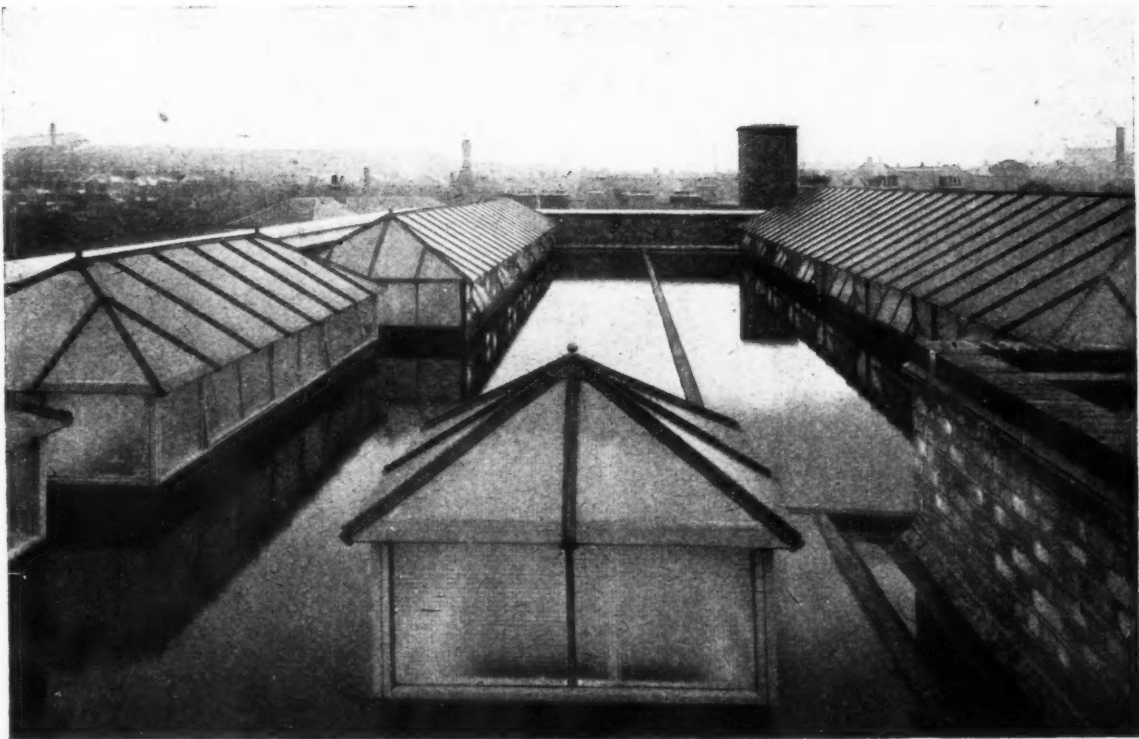
Discount for quantities.

### Partitions, etc.

	2"	2½"	3"	4½"
Breeze to B.S. 492 ..	per yard super 3/2	3/8	4/2	5/6
Hollow clay to B.S. 1190 (keyed) ..	per yard super 3/1	3/4	4/-	5/-
Moler (keyed) ..	per yard super 7/6	9/-	10/-	11/3

## PAVIOR

2" coarse gravel for paths ..	per yard cube	17/6
¾" fine ditto ..	per yard cube	19/-
Clean granite chippings to B.S. 1201, Table 4 (in 5-ton loads) ..	per ton	37/6
Red quarry tiles, 6" × 6" × ½", to B.S. 1286 ..	per yard super	10/9
Ditto 6" × 6" × ½", to B.S. 1286 ..	per yard super	9/6
Buff quarry tiles 6" × 6" × ½", to B.S. 1286 ..	per yard super	12/9
Ditto 6" × 6" × ½", to B.S. 1286 ..	per yard super	10/6
Hard red paving bricks, 2" ..	per 1,000	326/-
Ditto 1½" ..	per 1,000	309/6



## STANDARD LANTERN LIGHTS

The above illustration shows Standard and Purpose Made Lantern Lights recently installed on the water-cooled roof of a new factory for Messrs. W. Canning & Co., Birmingham. Hills Lantern Lights incorporate special lead clothed Ridge and Hip Bars which eliminate the heavy cost of separate lead flashings. Interlocking cast iron corner posts and malleable iron finial connections impart rigid strength to each unit. These are

available in a wide range of Standard Sizes, and can also be made to specific dimensions. Hills also specialise in Lead and Aluminium Roof Glazing; any degree of ventilation can be incorporated, from cord-operated single pane opening lights, to continuous stretches, electrically operated by tension rod gearing. List No. 209, giving full details of the complete range of Standard Lantern Lights, will be sent free on request.

\*See our exhibit at the B.I.F. Exhibition  
CASTLE BROMWICH, BIRMINGHAM  
Stand B615/512

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## DRAINLAYER

## Clay Land Drain Pipes to B.S. 1196

Pipes in 12" lengths	per 1,000	3"	4"	6"
		144/-	186/-	386/-

## Salt Glazed Stoneware Pipes and Fittings

		Standard List +		
		Orders for 2 tons and over	Orders under 2 tons 100 pieces upwards	Orders under 2 tons less than 100 pieces
Seconds Quality	35% less	15%	55% less	15%
Best Quality	35%		55%	65%
British Standard Quality	42½%		62½%	72½%
Tested Quality	60%		80%	90%
British Standard Tested	67½%		87½%	97½%

## Cast Iron Drain Pipes and Fittings

Socket and spigot pipes to B.S. 437 :-	Weight per 9 ft	Size	9 ft.	6 ft.	4 ft.	3 ft.	2 ft.
			per yd.	per yd.	each	each	each
1	1	17	4"	16/6	18/1	29/-	22/2
2	0	1	6"	24/7	29/1	46/8	37/3
3	3	21	9"	44/5	58/1	100/4	76/7

## Tonnage Allowances :-

Orders up to 2 tons nett.

*Bends (short radius) as Fig. No. 4	each	4"	6/3	13/-	40/-
*Single junctions as Fig. No. 18	each		11/-	22/6	69/-
*Intercepting traps as Fig. No. 33	each		30/-	50/-	123/-
*Gullies ordinary trapped "P"	each		14/6		
*Extra for 4" vertical back inlet	each		4/3		
*Grease gully trap	each		121/-		

\* These prices are subject to 83¼% plusage.

## Channels in Brown Glazed Ware.

Standard list + same discounts as "Best" quality salt-glazed Stoneware pipes.

## White Glazed Channels

Orders under 20 pieces. Standard list + 10%.

## \*Manhole covers and frames

	Size of load	Unit price
C.I. coated double triangular manhole cover and frame, 22" dia. clear opening to B.S. 497, Grade A	each	35 tons 110/-
C.I. coated circular manhole cover and frame, 22" dia. clear opening to B.S. 497, Grade B	each	5 tons 60/-
	Size of load	Single seal Double seal Flat type Flat type
Coated manhole cover and frame to B.S. 497, Grade C, 24" x 18"	1 ton	27/- 40/-
Galvanised ditto, 24" x 18"	1 ton	42/- 60/-
Coated manhole cover and frame, to B.S. 497, Grade C, 24" x 24"	1 ton	38/6 58/6
Galvanised ditto, 24" x 24"	1 ton	62/- 89/6

\* Subject to plus 7½% on galvanised.

## MASON

## Yorkstone

## Building quality Robin Hood and Woodkirk Blue Stone.

Blocks scrapped, random sizes	per foot cube	8/11
Add for blocks to dimension sizes	per foot cube	1/1 (each dimension)
Templates with sawn beds, edges rough (up to 4 ft. super and not over 2' 6" long)	per foot cube	10/-
Templates with sawn beds, sawn one edge, per foot cube		11/6
Price f.o.r. Yorkshire, railway rate to London Station per ton. (Minimum 4-ton loads)		38/7

## Bath Stone in random blocks

Monk's Park	per foot cube	5/4
St. Aldhelm Box Ground	per foot cube	6/4

Delivered on rail at South Lambeth station.

## Portland Stone in random blocks, average 20 feet

Whitbed	per foot cube	6/1½
---------	---------------	------

Delivered on rail at Nine Elms Station.

## MASON—(continued)

## Artificial Stone to B.S. 1217

4½" x 4" Sill, sunk, weathered, throated and grooved	per foot run	2/6
9" x 3" Ditto	per foot run	3/6
2" x 12" Coping, weathered and twice throated	per foot run	3/3
3" x 12" Ditto	per foot run	4/9
5" x 12" Saddleback coping, twice throated	per foot run	7/6
6" x 12" Ditto	per foot run	8/6

## SLATER, TILER AND ROOFER

## Slates

16" x 10" Best Bangor Slates to B.S. 680	per 1,000 actual	£ s. d. 43 0 0
20" x 10" Ditto	per 1,000 actual	63 0 0

## Tiles

Hand-made sandfaced 10½" x 6½" red roofing tiles	per 1,000	250/-
Machine-made sandfaced best red tiles with continuous nibs, 10½" x 6½"	per 1,000	215/-
Berkshire hand-made red Pantiles, 14½" x 10"	per 100	93/-
Concrete plain tiles, 10½" x 6½"	per 1,000	141/-
Ditto interlocking tiles, 15" x 9"	per 1,000	480/-

## Asbestos-cement

*6" corrugated sheets, grey	per yard super	4/7
-----------------------------	----------------	-----

\*Prices are for minimum two-ton loads, and are subject to 2½% discount.

## Felt

Reinforced roofing felt to B.S. 747	per yard sup.	1/3½
Roofing felt (1-ply bitumen) to B.S. 747, Part I	per yard sup.	-/6½
Bituminous hair felt to B.S. 747, Part II	per yard sup.	2/1½

## CARPENTER AND JOINER

## Wall boards

½" Imported Fibre board (per 100 sq. ft.)	Up to 5,000 sq. ft.	5,000 to 15,000 sq. ft.
	37/6	36/-
½" Imported Hard-board (per 100 sq. ft.)	Up to 5,000 sq. ft.	5,000 to 10,000 sq. ft.
	46/6	45/-
¾" Imported Hard-board (per 100 sq. ft.)	62/6	61/3
*¾" Semi compressed asbestos cement flat building sheets, grey	per yard super	1/7½
*½" Ditto	per yard super	2/4

\* Prices are for orders of 2 tons and over. Subject to 5% trade discount and 1½% discount.

## Sundries

"Sisalcraft" standard grade	per yard sup.	-/8½
"Sisalcraft" subsoil grade	per yard sup.	-/3½

## Timber

Softwood for Carpentry (average price)	per std.	£75
Softwood for Joinery (ditto)	per std.	£80
Tongued and Grooved Softwood Flooring (ditto)	per std.	£78
First Quality English Oak (ditto)	per ft. cube	25/-
Teak (ditto)	per ft. cube	45/-

## Standard Panelled and Glazed Wood Doors to B.S. 459, Pt. I

Type 4	size 2' 6" x 6' 6" x 1½"	each	43/6
Type 2 x G	size 2' 6" x 6' 6" x 2"	each	49/9
Type 4 x G	size 2' 6" x 6' 6" x 2"	each	55/-

In lots of from 1 to 11 inclusive.

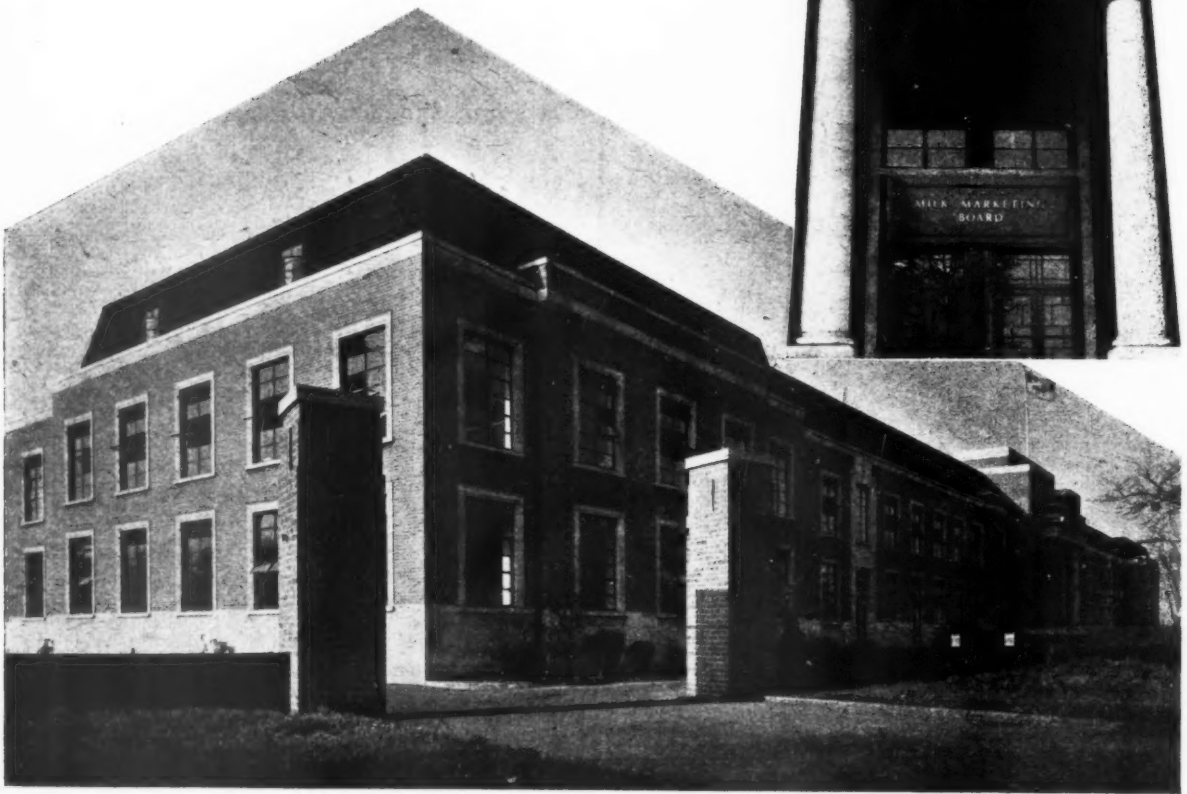
## Standard E.J.M.A. Wood Windows

INP 26	size 2' 6" x 1' 5½"	each	25/4
4V 36	size 3' 6" x 7' 10"	each	113/9
IV 40	size 4' 0" x 2' 2½"	each	33/1
3T 46	size 4' 6" x 5' 11½"	each	116/8
4T 50	size 5' 0" x 7' 10"	each	139/8

## Standard E.J.M.A. Kitchen Units

No. 1	size 3' 0" x 3' 6" x 1' 7"	each	191/8
No. 2	size 3' 0" x 3' 6" x 1' 7"	each	128/8
No. 4	size 3' 0" x 1' 9" x 1' 7"	each	115/10
No. 5	size 3' 10" x 1' 9" x 1' 7"	each	99/6
No. 7	size 6' 6" x 1' 9" x 1' 7"	each	186/-

*Here again*  
the architect specified . . .



New offices of the Milk Marketing Board, Thames Ditton  
(C. Layton, Esq., Chief Architect to M.M.B.)



Branches at :

**BIRMINGHAM**

238-9, Monument Road,  
Edgbaston.  
Tel. Edgbaston 1178

**CARDIFF**

High Street Chambers,  
17, High Street.  
Tel. Cardiff 2491

**MANCHESTER**

10, Corporation Street,  
Tel. Deansgate 5971

**READING**

571-3, Basingstoke Road.  
Tel. Reading 81560



**Marble Entrance Hall  
Marble Staircases  
Jaconite Terrazzo  
Floor Tiling**

throughout this  
contract

## STEEL AND IRONWORKER

Basis price for rolled steel joist sections, 5" x 4½" to 16" x 6" in 10 ft. to 50 ft. lengths....		ex mills per ton	£	s.	d.
			20	3	6
Extra for sizes :—					
9" x 7" .....	.....	Add per ton		5	0
6" x 3" .....	.....	" "		7	6
3½" x 3½", 4" x 4", 5" x 3", 10" x 8", 12" x 8" .....	.....	" "			
18" x 8", 18" x 8", 16" x 8", 18" x 6", 18" x 6", 18" x 8", 20" x 6½", 20" x 7½" .....	.....	" "		10	0
5" x 2½", 22" x 7" .....	.....	" "		15	0
4" x 2½", 4" x 3", 24" x 7½" .....	.....	" "		1	0
3" x 3" .....	.....	" "		1	5
4½" x 1½" .....	.....	" "		1	10
4" x 1½" .....	.....	" "		2	10
3" x 1½" .....	.....	" "		3	10
Basis price for angles .....		ex mills per ton	19	13	6
" " " tees .....		" "	20	13	6
" " " solid steel columns .....		" "	21	13	6

All delivered Station or Siding.

## PLASTERER

Plaster and Cement		1-ton loads	6-ton loads	
Thistle (browning) to B.S. 1191, Class B	per ton	118/6	99/3	
Gypstone to B.S. 1191, Class B	per ton	80/6		} ex Works, Kent.
Paristone (haired) to B.S. 1191, Class B	per ton	83/-		
Ditto (unhaired) .....	per ton	80/6		
Sirapite (coarse) to B.S. 1191, Class C	per ton	115/6	96/3	
Ditto (fine) to B.S. 1191, Class C	per ton	123/6	104/3	
Keene's Pink to B.S. 1191, Class D	per ton	161/9		
Keene's White to B.S. 1191, Class D	per ton	166/9		
Gullamix (Tyrolean Finish), 1-ton lots and upwards .....	per ton from	154/6	to 188/-	
Sundries				
Sharp washed sand to B.S. 1198 .....	per yard cube	16/4		
Cow Hair .....	per cwt.	84/6		
Expanded metal lathing, 9' 0" x 2' 0" x ½" mesh x 24 gauge .....	per sheet	5/4		
1" Plasterboard (base board) .....	yards	150-299	300-599	Over 600
per yard super .....	2/2	1/10	1/9	1/8
Galvanized lath nails .....	per cwt.	89/3		
Hessian Scrim cloth in 100-yard rolls, 3½" wide .....	per roll	6/3		

## Wall Tiles

The following prices are subject to 75 per cent. addition:		
Standard quality white glazed 6" x 6" x ½" .....	per yard super	10/6
Coloured enamelled bright glazed, 6" x 6" x ½" .....	per yard super	14/3
Eggshell glazed 6" x 6" x ½" .....	per yard super	15/-

## PLUMBER

Lead and Copper		
3½ lb. and upwards milled sheet lead in quantities of 5 cwt. to 1 ton in sheets to B.S. 1178 .....	per cwt.	106/3
Allowance for old lead delivered to merchant or manufacturer .....	per cwt.	77/6
Hot rolled copper sheeting in 5-cwt. lots (4' x 2' sheets), to B.S. 899 .....	23 wire gauge	per cwt. 245/10
Ditto .....	24 wire gauge	per cwt. 242/4
Zinc sheeting in 2-cwt. lots .....	14 gauge	per cwt. 132/6

## Cast Iron Goods

Percentage Adjustment on List No. 3100 A.B. 1/2/40.

Rainwater Goods (painted or unpainted) .....	Plus 72½%
Soil goods (coated or uncoated) .....	Plus 72½%

## Mild Steel Rainwater Goods

	Standard List
Gutters .....	Less 25%
Pipes and Fittings ( " " ) .....	Less 25%

## Asbestos-Cement Rainwater Goods

The following prices are subject to 12½% trade discount and 1½% discount.

Orders over £30 are subject to 17½% trade discount and 1½% discount.

## PLUMBER—(continued)

## Rainwater Pipes.

Prices are for 6' 0" lengths, but 10' 0" lengths are available in 2", 2½", 3" and 4" diameters at same prices. Short lengths up to 2' 0" are charged as 1 yard. From 2' 0" to 4' 0" charged as 1½ yards. From 4' 0" to 6' 0" charged as 2 yards. Over 6' 0" charged as 10' 0"

		Diameter			
Round Pipes	2"	2½"	3"	4"	6"
per yard run	2/4	2/7½	3/2	4/4	9/1

## Gutters.

Short lengths of gutter up to 2' 0" charged as 1 yard; from 2' 0" to 4' 0" as 1½ yards, and over 4' 0" as 2 yards.

Half round gutters	3"	4"	5"	6"	8"
per yard run	1/8	2/-	2/1	2/5½	3/6
Ogee gutters per yard run	—	2/5½	2/7½	3/2	3/10½

## INTERNAL PLUMBER

Lead pipe in coils, 5 cwt. and upwards, to B.S. 602	per cwt.	107/6
Lead soil pipe .....	per cwt.	110/6

Drawn lead traps with brass screw eye, 6 lb., to B.S. 504

	1"	1½"	2"
S. trap .....	each 4/5	5/2	6/5
P. trap .....	each 3/11	4/3	5/4
Extra for 3" deep seal "S" trap .....	each 1/1	1/3	1/5
Extra for 3" deep seal "P" trap .....	each -/9	-/11	-/11

## Screwed and Socketed Steel Tubes and Fittings for Gas, Water and Steam, etc.

Fittings and flanges and tubes ordered in long random lengths are subject to the following trade discounts:—

Tubes:	½" to 4"
Class B .....	36½%
" C .....	27%
Fittings:	
Lightweight .....	17½%
Heavyweight .....	10%
Galvanized Class B .....	16½%
" " C .....	3½%

## Flanges:

	½" to 2"	2½"	3" to 4"
Lightweight (Table D) .....	4½%	37½%	51½%
Heavyweight (Table E) .....	Plus 14½%	less 27½%	42½%
Copper tubing to B.S. 659 and 1386 Basic price .....	per lb.	1/5½	

## GLAZIER

Sheet Glass, cut to size (ordinary glazing quality), to B.S. 952, Section A. For quantities exceeding 500 ft. super.

18 oz. ....	per foot super	4½d.
24 oz. ....	per foot super	5½d.
32 oz. ....	per foot super	9½d.

Polished Plate glass, ordinary substance, approximately ¼", to B.S. 952, Section A.

In plates not exceeding:	Glazing quality	Selected glazing	Silvering quality
2 ft. super .....	2/8	2/10	3/4
3 ft. super .....	3/-	3/5	4/1
5 ft. super .....	3/2	3/10	4/7
*45 ft. super .....	3/9	4/1	5/7
*100 ft. super .....	4/5	5/7	7/2

\* Extra sizes, i.e., plates exceeding 100 ft. super or 160 in. long, or 96 in. wide, at higher prices.

½" figured rolled and cathedral, to B.S. 952, Section B—untinted....

½" or ¾" rolled plate, " " .....	per foot super	7½d.
¾" or 1" rolled plate, " " .....	per foot super	8½d.
¾" or 1" rough cast, " " .....	per foot super	8½d.
¾" Georgian wired cast, " " .....	per foot super	10d.
¾" Georgian wired polished plate, " " .....	per foot super	3/10d.
¾" wired cast, " " .....	per foot super	9½d.

## PAINTER

White ceiling distemper .....	per cwt.	24/6
Washable distemper .....	per cwt. from	82/-
Ready mixed white lead paint (best), semi-gloss, per 32 lb. ....	per gallon	45/-
Aluminium paint (best quality) .....	per gallon	30/-
White enamel paint .....	per gallon	42/-
Oil stain (scumble) .....	per lb.	3/4½
Varnish (outside quality), copal oak .....	per gallon	28/-
" " " general oak .....	per gallon	24/-



## Announcements

The two companies formerly known as the Aircscrew Co. Ltd. and Jicwood Ltd. will in future be known as the Aircscrew Company and Jicwood Ltd., Weybridge, Surrey (tel.: Weybridge 1600).

Mr. E. Denis Knight, A.R.I.C.S., F.I.A.S., has taken into partnership Mr. W. A. Benwell, A.R.I.C.S. The style of the practice will remain unchanged.

At a recent meeting of the council of the English Joinery Manufacturers' Association, in addition to dealing with current matters affecting the trade, the resignation from the council of Mr. W. Napier Thomson, of Messrs. Thomson & Balfour, of Bo'ness, on him ceasing to be chairman of the Scottish Joinery & Door Manufacturers' Association, was accepted, and Mr. J. E. Forrest, of Messrs. Brownlee & Co. Ltd., their new chairman, was elected to the council in his place. Ten firms were elected members of the association: John Herring & Co., Newcastle-on-Tyne; J. L. Rawsthorne & Co., Wallasey; Henry Day (Merton) Ltd., Merton; Rice & Sons Ltd., London; J. Alsford Ltd., Feltham; Topsham Building Co. Ltd., Topsham; Dryers Ltd., North Shields; Reginald Hill, Scunthorpe; Wilfred Gray, Darlington; Tynecraft Industries Ltd., Newcastle-on-Tyne.

Leonard Bulmer, L.R.I.B.A., and Alan Wilson, A.R.I.B.A., have joined Messrs. Johnson & Crabtree, F./R.I.B.A., in partnership. The practice will continue as Johnson & Crabtree at 20, Priory Place, Doncaster, and at 8, Robert Adam Street, London, W.1.

Following the resignation of R. T. Walters, the Timber Development Association have now appointed Mr. J. R. M. Poole, DIP.ARCH., A.R.I.B.A., A.M.T.P.I., as chief architect. Mr. Poole graduated from the Regent

Street Polytechnic Day School of Architecture and Town Planning and obtained the RIBA Archibald Dawney prize as well as the School of Architecture bronze and silver medals. Since his demobilization from the Army Mr. Poole held an appointment as a technical officer in the Ministry of Town and Country Planning and, prior to joining the association, was a Regional Architect in the Ministry of Health within the counties of Essex and Hertfordshire. He also served as a member of the County Council of Cambridgeshire Town Planning Advisory Panel of Architects and Town Planners.

W. Leighton Gibbins, A.R.I.B.A., has commenced practice at 3, Northernhay Place, Exeter, and will be pleased to receive trade circulars, etc.

The appointment is announced by British Insulated Callender's Cables Ltd., of Mr. W. H. McFadzean, C.A., deputy chairman, to be the chief executive of the company.

Mr. W. E. Rice, C.B.E., J.P., President of LMBA in 1942, is to be the next Mayor of the City of Westminster. He takes office on May 25. The installation ceremony will take place in the old City Hall which is now being restored after being bombed during the war. Mr. Rice is chairman of Rice & Son Ltd. established over a hundred years ago. He was given the OBE in 1942 and CBE in 1948 for services on numerous committees connected with the Ministry of Labour. He became a JP in 1943.

## Correction

Last week we omitted to mention that Mr. Ellis E. Somake, architect for the replanning of the Dolcis shoe shop in Leicester Square, London, is a Fellow of the RIBA.

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

## ENQUIRY FORM

I am interested in the following advertisements appearing in this issue of "*The Architects' Journal*." (BLOCK LETTERS, and list in alphabetical order please).

Please ask manufacturers to send further particulars to:—

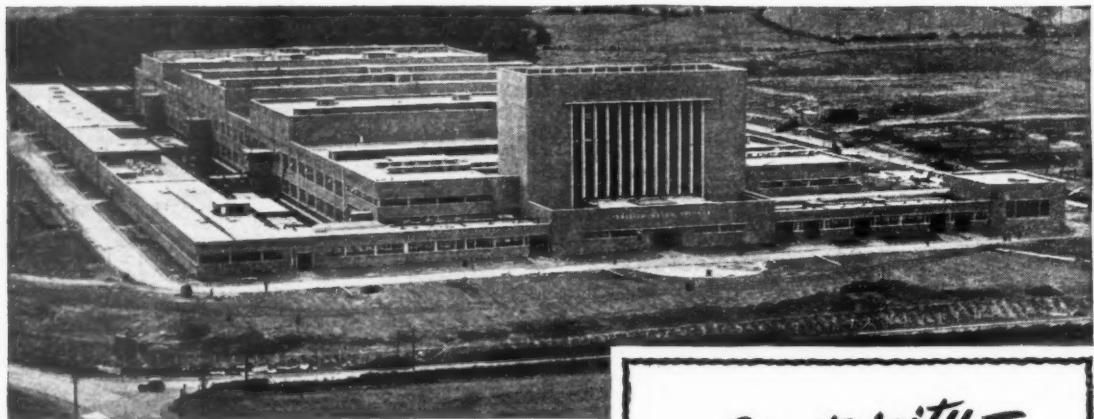
NAME

PROFESSION or TRADE

ADDRESS

A.J. 6.4.50

## Keeping pace with increased production



Nylon spinning factory near Pontypool

**Demand** Britain's vital need for increased production is being met with resource, energy and enterprise. As new factories, new equipment and new ideas go into operation, so the demand for electricity increases. Electric power supplies the means for increased efficiency, economy in man-power and higher productivity. And so the demand is ever growing.

**Supply** To meet this increased demand, and to end power cuts, British Electricity are building 38 new power stations and installing new plant in 43 existing stations; and thousands of miles of new transmission and distribution lines are being provided.

*Electricity—  
more power  
behind production*

BRITISH ELECTRICITY



***Look our way before you leap***

Whether it be 100 staircases or 1,000 window frames, we believe in promising to do a job only when we're sure we can do it, do it well and get it done on time. If you want fine joinery for houses, look our way before you leap.

**STANDARD ITEMS IN VAST NUMBERS**

We produce window frames, doors and staircases in quantity. Standard in sizes—but with that little extra quality and finish that makes a world of difference. We can also produce these items to your specification—in quantity. And we keep our delivery dates. May we send you our literature?

**BOULTON & PAUL**  
**JOINERY**

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**BOULTON AND PAUL LTD · NORWICH · LONDON · BIRMINGHAM**

CRC2

Modern  
Plastering  
technique  
goes back  
60 years, but  
its latest  
development is  
only 1 year old

**1880** The introduction of Hard-wall plaster—Sirapite Plaster.

**1935** The introduction of plaster board finish—Sirapite Board Finish.

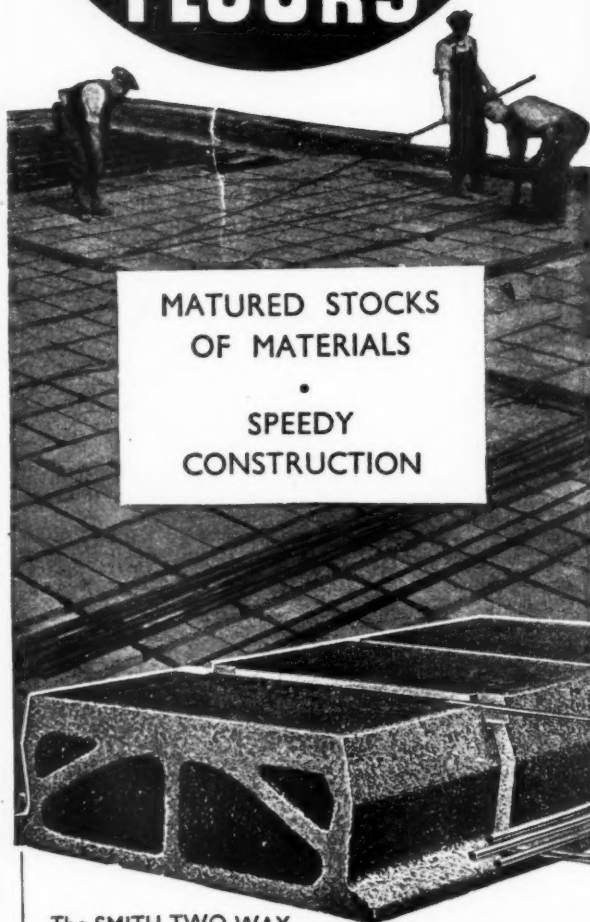
**1949** The introduction of high covering capacity, non-cracking, rapid drying undercoating free from injurious alkalis—Sirapite Browning.



**THE GYPSUM MINES LIMITED**

MOUNTFIELD · ROBERTSBRIDGE · SUSSEX  
ALSO AT KINGSTON-ON-SOAR · NOTTINGHAM

**SMITHS  
FIREPROOF  
FLOORS**



MATURED STOCKS  
OF MATERIALS

SPEEDY  
CONSTRUCTION

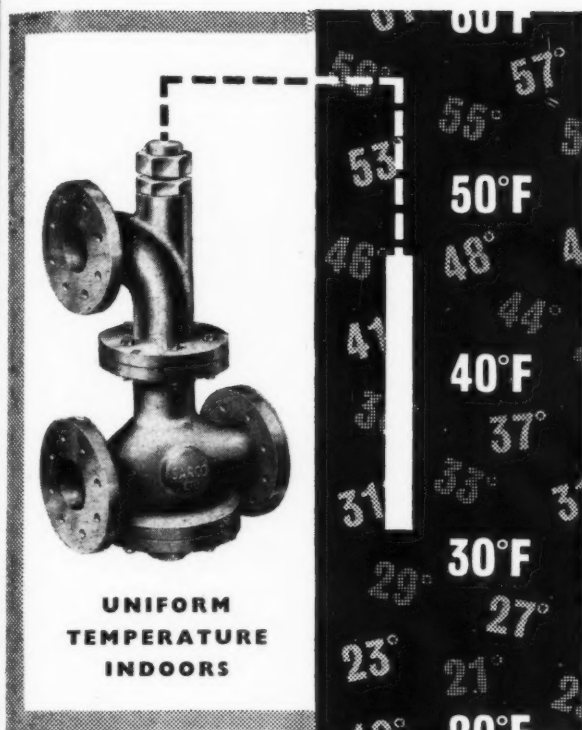
**The SMITH TWO-WAY**

reinforced fireproof floor can be employed immediately for any flooring or roofing requirement. It is constructed with standardised pre-cast hollow concrete blocks.

The employment of patent telescopic centers permits the immediate use of the floor with the additional advantage of their removal in the minimum of time.

SMITH'S FIREPROOF FLOORS LTD. (Dae. A)  
Imber Court, East Molesey, Surrey. Telephone: Emberbrook 3300 (4 lines)

**SMITH'S 2-WAY REINFORCED  
FIREPROOF FLOORS**  
*employing Unique Telescopic Centering*



## External Temperature Operated

### CONTROLLER FOR ACCELERATED HOT-WATER HEATING SYSTEMS

REGULATES TEMPERATURE on accelerated hot-water systems *in advance* of effect indoors of outdoor temperature changes.

Controls heat input at minimum required to balance heat losses, whatever the outside temperature conditions.

Can be designed to suit heat emission curves appropriate to type of heating surface.

After installation it can be corrected to allow for variation between design and site conditions.

Allows a boiler to operate at constant water temperature, putting less strain on boiler and reducing corrosion risks.

Entirely self-operating and quite independent of auxiliary sources of power.

Reasonable in cost; easy to install; easy on maintenance.

For details of the Sarco ETO Controller please send the request slip to SARCO THERMOSTATS LTD., Cheltenham, Glos.

**Sarco**

**ETO**

**Controller**



PLEASE SEND THIS ENQUIRY SLIP FOR DETAILS

NAME

ADDRESS

PA 450

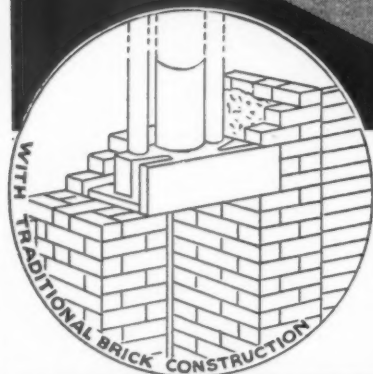
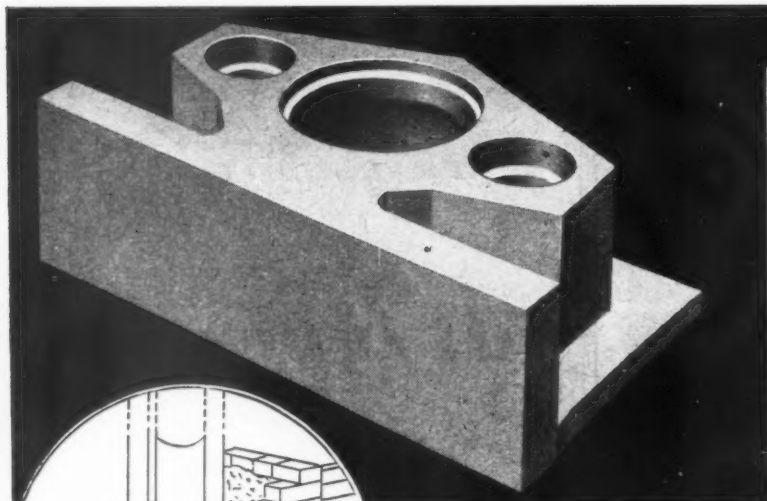
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**"Quality Built"**

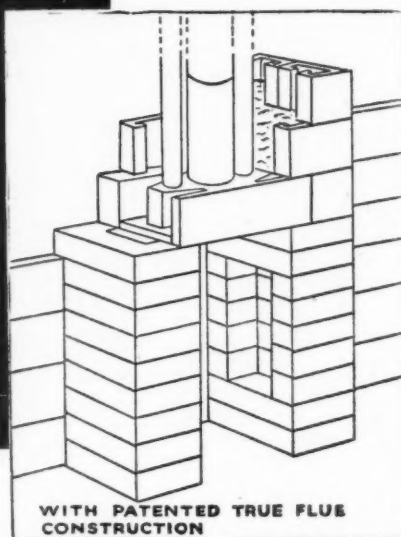
**"Stotts of Oldham"**





### TYPE "S" LINTOL BLOCK

PATENT No. 600,518



This Lintol, now available for immediate delivery, has been designed for use with the majority of modern Convector stoves. It has been proved the ideal unit for connecting these stoves to the flue and warm air ducts, and is being used extensively by the L.C.C. and many other local authorities. For further details of this unit or of the complete "True Flue" patented system of flue construction apply to The Domestic Flue and Convector Heating Specialists :—

**TRUE FLUE LTD., CONVECTOR HOUSE, ACACIA ROAD, ST. JOHN'S WOOD, N.W. 8.**  
TELEPHONE: PRIMROSE 7161/2

## Seven good reasons for using . . .

# COLTENITE

CEMENT WATERPROOFING POWDER

- 1 COLTENITE effectively resists high water pressure.
- 2 COLTENITE increases the strength of the mix.
- 3 COLTENITE renders the mix more workable.
- 4 COLTENITE is inexpensive.
- 5 COLTENITE prevents disintegration due to water absorbed by capillary action.
- 6 COLTENITE saves costly repair and maintenance bills.
- 7 COLTENITE is supported by a first-class Technical Advisory Service. The booklet of data and prices is well worth a place in your files. Sent FREE on application to:

COLTENITE shows a very great saving in initial cost. Additionally, it is simple to use. Research has proved that the greatest single factor responsible for the disintegration of concrete, is the infiltration of water. Yet the addition of only 3% by weight of COLTENITE to cement used, will safeguard completely against this and all other conditions affecting mass concrete and cement mortars.

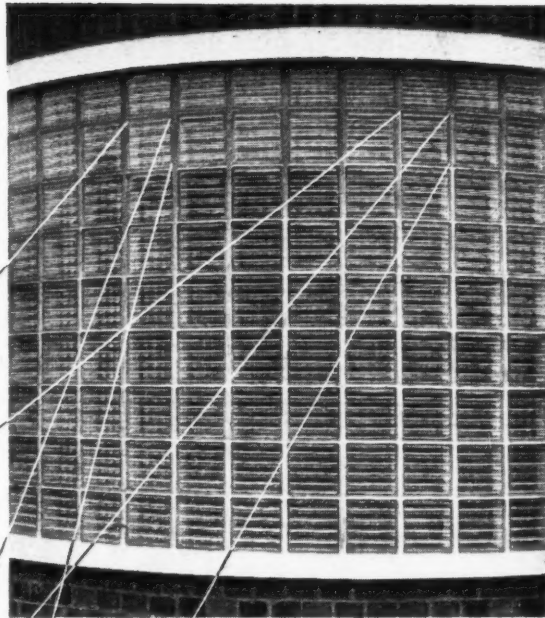
**W. H. COLT (LONDON) LTD.**

(Architectural Division A.21) Surbiton, Surrey, Elmbridge 6511-5

# A PROBLEM SOLVED

The problem of introducing ventilation without interrupting the symmetrical pattern of hollow glass block panels has now been solved satisfactorily.

The Clark-Eaton 'Ventiblock' is designed to course-in with standard P.B.3 type of 'Insulight' Hollow Glass Blocks, and can also be used individually or in groups for lighting and ventilating purposes.



The 'Ventiblock' is of all-glass construction. Internal baffles prevent direct draughts without impeding a free flow of air, exclude driving rain and obscure vision. It is neat and unobtrusive, and so closely resembles a standard hollow glass block that its presence in a panel is hardly noticeable, even at close quarters. Size:  $7\frac{3}{4}$  ins.  $\times$   $7\frac{3}{4}$  ins.  $\times$   $3\frac{1}{2}$  ins. Price: 25/- Can be supplied through the usual Trade channels.

## THE CLARK-EATON ALL-GLASS 'VENTIBLOCK'

Designed by Lethicullier Gilbert, A.I.A.A., L.R.I.B.A. & L. James Hobson, A.R.I.B.A. Patent Nos. 552195, 583552

A Ventilating Unit for Glass Block Installations  
Also for use individually or in groups for Light plus Ventilation

- Please write for literature giving full details of Hollow Glass Blocks and 'Ventiblock.'

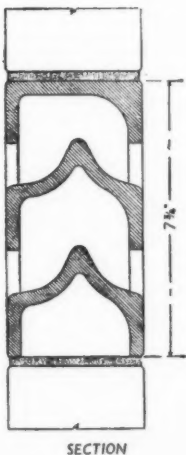
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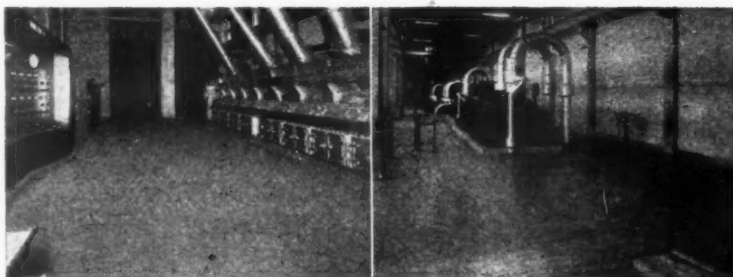
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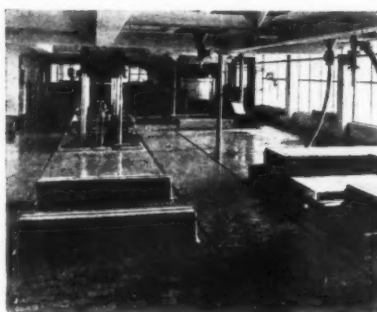
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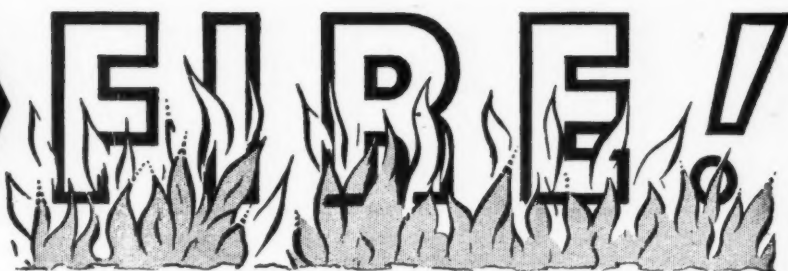
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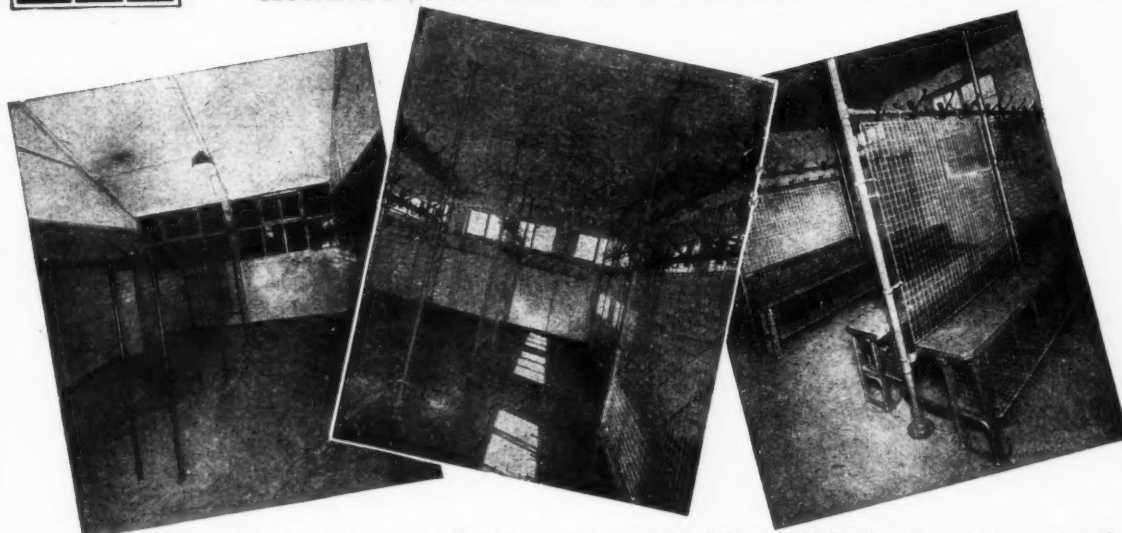
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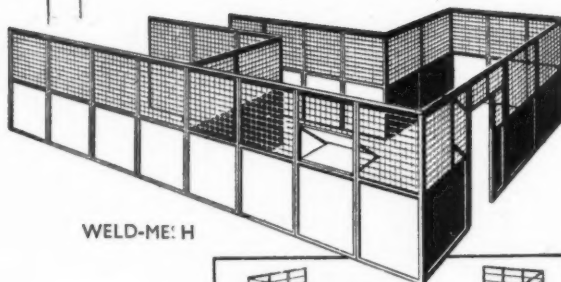
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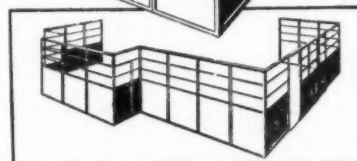
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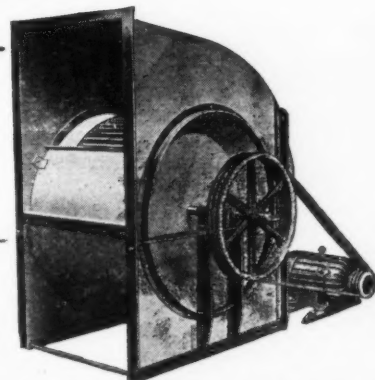
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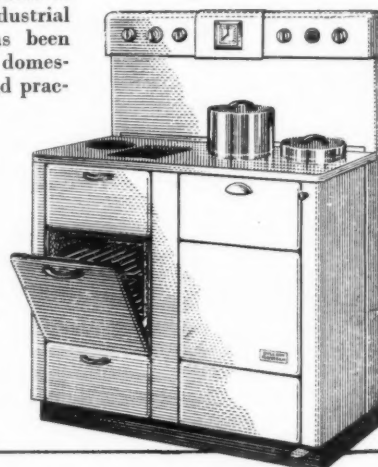
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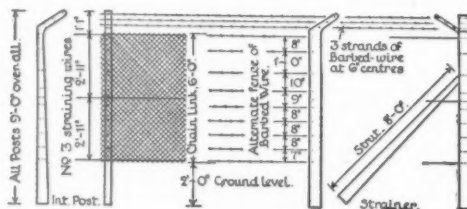
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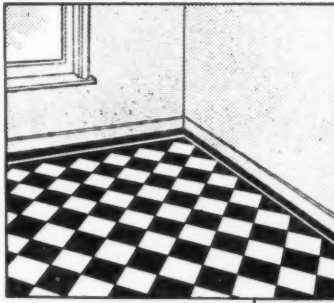
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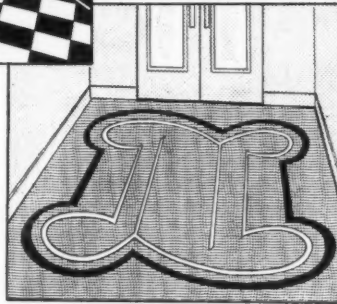
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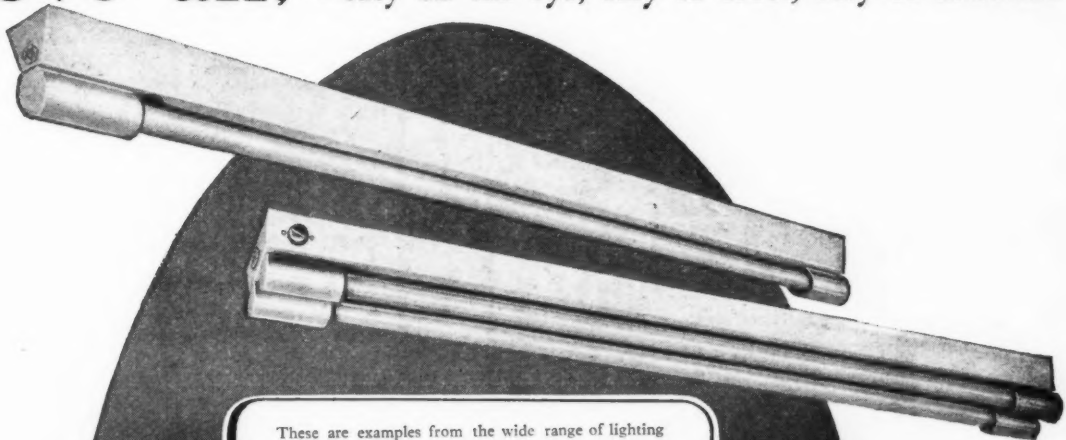
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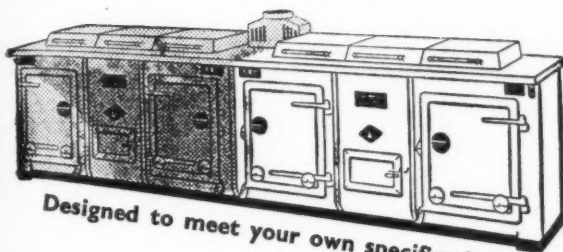
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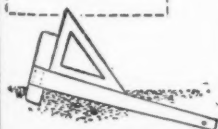
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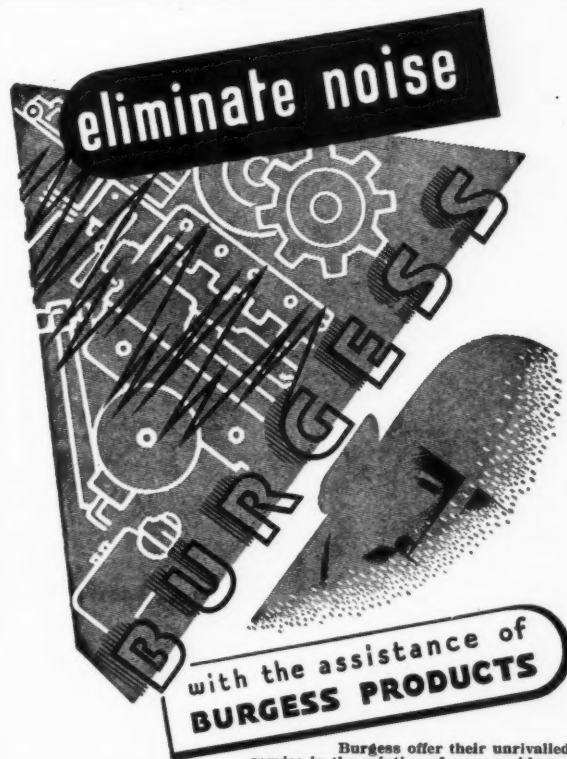
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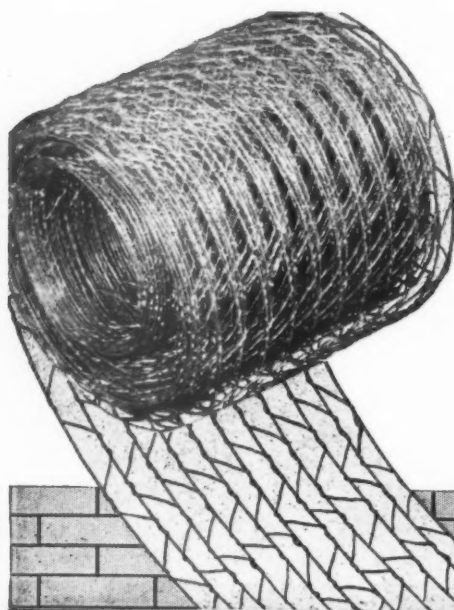
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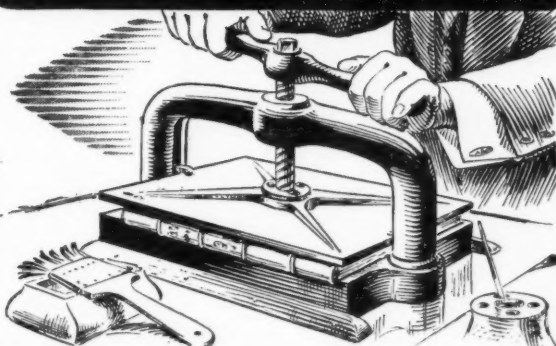
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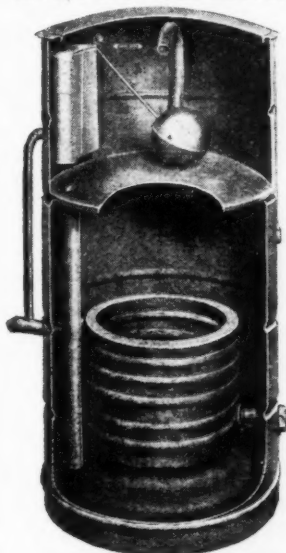
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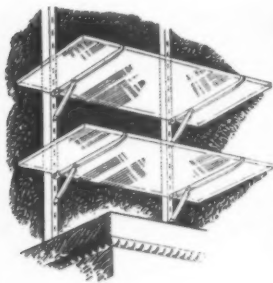
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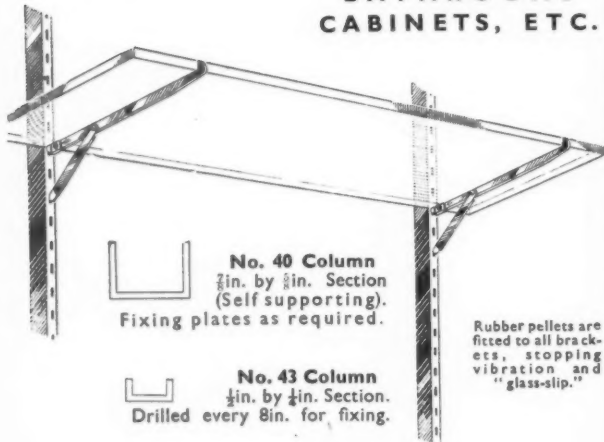
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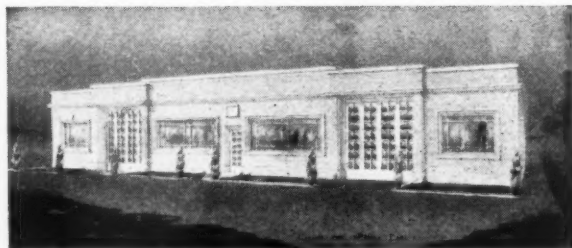
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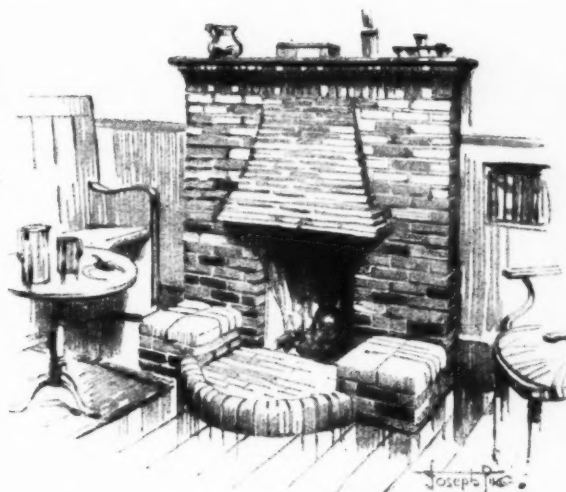
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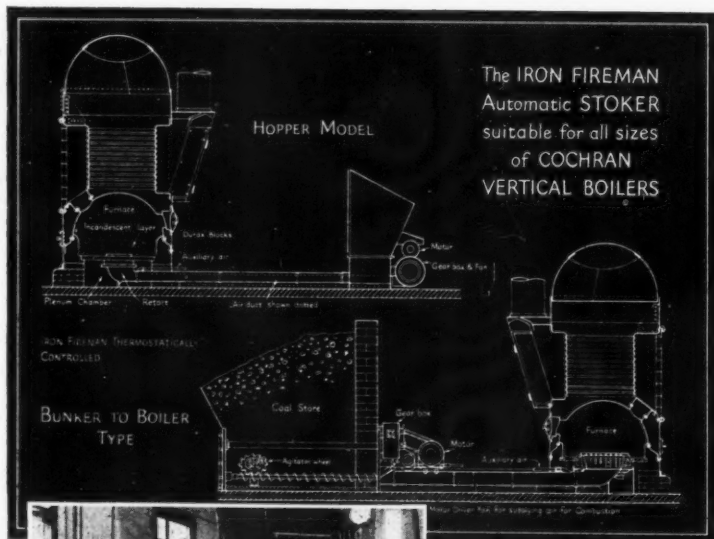
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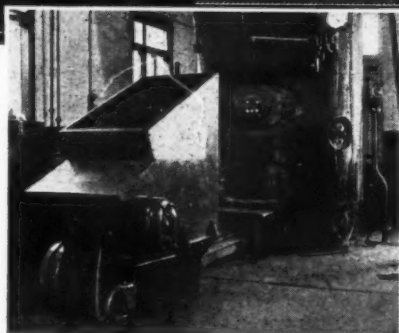
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lxxi

## CLASSIFIED ADVERTISEMENTS

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

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

## 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 REGISTRAR, WARREN PARK, WHITEHALL, S.W.1. Tel.: Uplands 0986, 991.

### LONDON COUNTY COUNCIL.

Applications are invited for unestablished positions of (i) ARCHITECT, Grade III (salaries up to £700 a year) and (ii) ARCHITECTURAL ASSISTANTS (salaries up to £500 a year), in the Housing and Valuation Department. Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Act, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

Successful candidates will be required to undertake the design, layout and preparation of working drawings for housing schemes (cottages and multi-storey flats), and will be employed in the Housing Architect's Division. Preference will be given to candidates holding a recognized professional qualification.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.W.1 (stamped addressed envelope required, and quote Ref. G.R.3). Canvassing disqualified. (2269) 1046

### MINISTRY OF WORKS.

Vacancies exist for SENIOR and LEADING ARCHITECTURAL ASSISTANTS in London, at Risley (Warrington) and at Capenhurst (Cheshire), for drawing office duties in connection with important Research Establishments.

Candidates should be of British nationality and have had a recognised Architectural training and good experience.

There are also vacancies for first-class DRAUGHTSMEN in the Senior Architectural Assistant's grade.

Salary:—Senior Architectural Assistants: London, £625-£750 per annum; Risley and Capenhurst, £595-£720 per annum.

Salary:—Leading Architectural Assistants: London, £500-£625 per annum; Risley and Capenhurst, £470-£595 per annum.

Hostel accommodation, for men, at reasonable cost is available at Risley, and there is a possibility of housing being available in the near future at Capenhurst.

Apply in writing, stating locality desired, age, training and experience, to: Chief Architect, W.G.10/A.N., Ministry of Works, Abell House, John Islip Street, London, S.W.1. 3901

### BRITISH ELECTRICITY AUTHORITY.

#### EASTERN DIVISION.

Applications are invited for the following post in the Generation Construction Department at Divisional Headquarters in North London:—

#### ASSISTANT ARCHITECT.

Applicants should have had experience in the design and alteration of industrial buildings. The commencing salary will be within the range of £636-£734 per annum, depending upon experience and qualifications.

The appointment will be superannuable in accordance with the British Electricity Authority and Area Boards Superannuation Scheme.

Applications, stating age, experience, and present position, and endorsed with the appointment sought, should be submitted to arrive not later than 14th April, 1950, to the Divisional Controller, British Electricity Authority, Eastern Division, Northmet House, Southgate, N.14.

W. N. C. CLINCH, *Contractor*

Northmet House, Southgate, N.14. 364c

### BOROUGH OF KEIGHLEY.

#### BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the Permanent Staff:—

(a) ARCHITECTURAL ASSISTANT, Grade II. Salary scale £420-£465.

(b) QUANTITY SURVEYING ASSISTANT, Grade I. Salary scale £390-£435.

Applicants for position (a) should possess general architectural experience. Experience in Municipal Housing work and Schools would be an advantage.

Applicants for position (b) to have experience in measuring up, checking contractors' accounts, and in the taking off of Quantities.

Applications to be made upon the prescribed form, to be obtained from the undersigned, to whom same must be returned accompanied by copies only of two recent testimonials, not later than first post Thursday, 13th April, 1950. In applying for the form, please state for which appointment.

E. G. FELGATE, A.R.I.B.A., *Borough Architect.*

Borough Architect's Department, College Street, Keighley. 3875

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

Applications are invited for the appointment of PRINCIPAL ASSISTANT QUANTITY SURVEYOR, at a commencing salary of £800 per annum, rising by annual increments of £25 to a maximum of £900 per annum, plus London weighting of £30 per annum.

Applicants must be Members of the Royal Institute of Chartered Surveyors, qualified in Sub-Division III (Quantities) and have not less than 20 years' experience of Quantity Surveying on major contracts, including adjustment of final accounts.

Applicants should give full details of professional training, experience, all appointments held and present salary; names of three referees, and be accompanied by copies of three recent testimonials.

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

Applications should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 15th April, 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 applicant will be expected to make his own arrangements in this direction.

#### DUDLEY AUKLAND, *Clerk of the Council.*

County Hall, Kingston-upon-Thames. 3873

### METROPOLITAN BOROUGH OF CHELSEA.

ARCHITECTURAL STAFF. Applications are invited for the following appointments in the Department of the Borough Engineer and Surveyor:—

(a) ARCHITECTURAL ASSISTANT (A.P.T., Grade V). Salary £525 to £570 per annum.

The person appointed will be required to assist with the design of new dwellings and the conversion of existing houses into flats, and must be competent to prepare working and detail drawings. Candidates should have had sound architectural training and experience, and preference will be given to candidates who have already passed the Intermediate Examination of the R.I.B.A.

(b) SENIOR ARCHITECTURAL DRAUGHTSMAN (A.P.T., Grade IV). Salary £480 to £525 per annum.

Candidates must have a sound knowledge of architectural drawing and building construction and the measurement of existing buildings.

(c) JUNIOR ARCHITECTURAL DRAUGHTSMAN (A.P.T., Grade II). Salary £425 to £465 per annum.

The appropriate London weighting will also be paid in addition to the above salaries.

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

Applications, endorsed "Architectural Staff," should state age, particulars of education, qualifications, training and experience, and give the names of three referees. They must reach the undersigned not later than 14th April, 1950.

Canvassing, directly or indirectly, will disqualify.

#### JOHN C. KITCHIN, *Town Clerk.*

Town Hall, King's Road, Chelsea, S.W.3. 3876

### LIVERPOOL REGIONAL HOSPITAL BOARD.

Applications are invited from suitably qualified persons for the following permanent appointments in the Regional Architect's Department on the Headquarters Staff of the Board:—

(a) ASSISTANT ARCHITECT, at a salary in accordance with A.P.T., Grade VI, £595-£660 per annum.

Applicants should be Associates of the Royal Institute of British Architects, and must have a good general experience, and ability in design and construction.

(b) ASSISTANT ARCHITECT, at a salary in accordance with A.P.T., IV, £480-£525 per annum.

Applicants should have passed the Intermediate Examination for Associateship of the Royal Institute of British Architects, and must have a good general experience and ability in design and construction.

(c) ASSISTANT QUANTITY SURVEYOR, at a salary in accordance with A.P.T., Grade V, £520-£570 per annum.

Applicants should have passed the Intermediate Examination of the Royal Institute of Chartered Surveyors (Quantities Sub-division), and should have had considerable experience in a Quantity Surveyor's office in working up, abstracting and billing; also some experience in taking off is essential.

All the above appointments will be subject to the National Health Service (Superannuation) Regulations, 1947/9, and the successful candidates may be required to pass a medical examination.

Applications, stating age, education, qualifications, experience, present and previous appointments, salary, War service, and clearly stating the post applied for, together with the names and addresses of three referees, should be sent to the undersigned at 19, James Street, Liverpool, 2, not later than 15th April, 1950.

#### VINCENT COLLINGE, *Secretary to the Board.*

3880

### URBAN DISTRICT COUNCIL OF PONTYPOOL. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the post of Architectural Assistant on the staff of the Architect's Department to the above Council, at a salary in accordance with the National Scale, Grade A.P.T., VI, i.e., £595-£660.

Applicants should be Members of the R.I.B.A., and preferably to have had experience of Council Housing Estates. A knowledge of Quantities is essential.

Housing accommodation, if necessary, will be provided for the successful applicant.

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

Applications, stating age, past and present appointments, qualifications and experience, accompanied by copies of not more than two recent testimonials, should be delivered to the undersigned not later than Tuesday the 15th day of April, 1950. Canvassing will disqualify.

#### H. COOK, *Clerk of the Council.*

Town Hall, Pontypool. 3882

### BOROUGH OF WESTON-SUPER-MARE. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

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

Applicants should be Associate Members of the R.I.B.A., good designers and draughtsmen, with experience in the preparation of plans and contract documents for the construction of new houses. Preference will be given to persons who have had previous experience with a Municipal authority.

(b) QUANTITY SURVEYOR. A.P.T., Grade VI, £595-£660 per annum.

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

Applicants should be qualified by examination, and preference will be given to persons who are Associates of the Royal Institution of Chartered Surveyors (Quantity Surveyors' Division), and who have had previous experience with a Municipal authority in the preparation of Bills of Quantities for the construction of new houses and the supervision, measurement and settlement of final accounts in connection with such contracts. The appointments will be subject to the Scheme of Conditions of Service of the National Joint Council, and one month's notice on either side at any time will be required to terminate the appointments.

The Council will provide the successful candidates with suitable housing units if considered necessary.

Applications, stating age, qualifications and experience, together with the names of three gentlemen to whom reference may be made, must be received, suitably endorsed, by the undersigned not later than 14th April, 1950.

J. R. FREER-HEWISH, A.M.I.C.E., *M.I.Mun.E., Borough Engineer and Surveyor.*

Town Hall, Weston-super-Mare. 3887

### COUNTY COUNCIL OF THE COUNTY OF LANARK.

#### PLANNING ASSISTANTS.

Applications are invited for the appointment of Planning Assistants on the established staff of the County Planning Department on the following salary grades:—

A.P.T., Grade VIII (£685-£760).

A.P.T., Grade VII (£635-£710).

A.P.T., Grade IV (£480-£525).

Placing on the above grades will be in accordance with the qualifications and experience of applicants (maximum salary may be paid).

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

Canvassing, directly or indirectly, will be a disqualification.

Applications, stating age, qualifications and experience, and the names and addresses of three referees, should be forwarded to the undersigned not later than 14th April, 1950.

WM. C. BROWNIE, *County Clerk.*

Lanarkshire House, 191, Ingram Street, Glasgow, C.1. 3879

### CORPORATION OF DUNDEE. CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

ASSISTANT ARCHITECTS, Grades III, IV, £450 to £525 per annum.

ASSISTANT ARCHITECTS, Grades V, VI, £520 to £660 per annum.

Applicants should be Members of the R.I.B.A., and must have had practical experience in preparing working drawings.

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

Applications, stating age, qualifications and experience, along with copies of two recent testimonials, to be sent to the City Architect, City Architect's Department, 17, City Square, Dundee.

J. McLELLAN BROWN, *City Architect.*

3924



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

**PLANNING STAFF.**

Applications are invited for positions of **PLANNING OFFICER, Grade I (£240-£260), Grade II (£270-£284), 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

**BOROUGH OF SLOUGH.**

**BOROUGH ENGINEER'S DEPARTMENT.  
APPOINTMENT OF ASSISTANT ARCHITECT.** Applications are invited for the permanent appointment of Assistant Architect, on Grade A.P.T. V, of the National Scale, at a commencing salary of £520 per annum, rising, on satisfactory service, by two annual increments of £15 and one of £20 per annum to a maximum of £570 per annum. Applicants must be Registered Architects, and preference will be given to those who have had experience with a Local Authority.

Applicants must give details of age, marital state, qualifications, present and previous appointments, with dates, technical training and experience, whether related to any member or senior officer of the Council, and the names of two Architects to whom reference can be made. The appointment will be subject to (i) the provisions of the Local Government Superannuation Act, 1937; (ii) the National Scheme of Conditions of Service; (iii) the satisfactory passing of a medical examination by the successful candidate; and (iv) termination by one month's notice on either side.

The Council is unable to assist the successful candidate with housing accommodation. Applications, in sealed envelopes endorsed "Assistant Architect, Grade V," must reach the undersigned not later than noon on Wednesday, 12th April, 1950. Canvassing, directly or indirectly, will disqualify.

**NORMAN T. BERRY,**

*Town Clerk.*

Town Hall, Slough.  
23rd March, 1950.

3846

**MANCHESTER REGIONAL HOSPITAL BOARD.**

Applications are invited for the under-mentioned permanent appointments in the Architect's Department of the Board's Headquarters Staff. National Health Service conditions and superannuation apply to each post.

(a) **SENIOR ASSISTANT ENGINEER.** A.P.T., Grade VIII, £685-£760 a year. Applicants should be Members of the Institute of Mechanical Engineers or the Institute of Heating and Ventilating Engineers. Experience in the design of hospital heating, hot water, ventilating, laundry and kitchen installations and services is essential. Duties will include the preparation of technical reports and the supervision of contracts. (b) **ASSISTANT ENGINEER (ELECTRICAL).** A.P.T., Grade VII (£635-£710 a year). Applicants should be Associate Members of the I.E.E. or hold other professional qualification, and should have experience in the preparation of electrical schemes, assessment of specifications and drawings, and in the design of electrical installations, including lighting and power, alarm systems, etc. Hospital experience is desirable but not essential.

Applications, stating age, qualifications and experience, and the names and addresses of not more than three referees, should be received by the undersigned not later than 13th April, 1950.

**J. GIBBON,**

*Secretary of the Board.*

1, North Parade, Parsonage Gardens,  
Manchester, 3.

3866

**COUNTY BOROUGH OF CARLISLE.  
CITY ENGINEER'S DEPARTMENT.  
APPOINTMENT OF SENIOR ASSISTANT ARCHITECT.**

Applications are invited for the above appointment on the permanent staff at a salary of £595-£660 (A.P.T., Grade VI).

Applicants should be Members of the Royal Institute of British Architects, and must have had good general experience in the design and construction of Schools.

The successful candidate will be engaged at the outset on Educational Works, but may be required also for General Architectural Work and Housing. Experience of this character, therefore, would be an advantage.

Housing accommodation will be provided for the successful applicant if required.

Forms of application and full particulars of duties and conditions of appointment can be obtained from the City Engineer, 18, Fisher Street, Carlisle, to whom they must be returned not later than Friday, 28th April, 1950.

**H. D. A. ROBERTSON,**

*Town Clerk.*

Town Clerk's Office,  
15, Fisher Street, Carlisle.

3888

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

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

(a) **ONE SECTIONAL ARCHITECT** (salary A.P.T. Division, Grade VIII, £685-£760 per annum).

Applicants must be Associates of R.I.B.A., and must have had a thorough training and experience in architectural design and construction of modern school buildings and other works carried out by Local Authorities, and must also be capable of supervising Drawing Office Staff.

(b) **ONE ASSISTANT ARCHITECT** (salary A.P.T. Division, Grade VI, £595-£660 per annum). Preference will be given to Associates of R.I.B.A. Applicants must have had a thorough training in architectural design and construction of modern school buildings and other works carried out by Local Authorities.

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

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

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

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

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

(f) **ONE SPECIFICATION WRITER** (salary A.P.T. Division, Grade IV, £480-£525 per annum).

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

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

Applications, giving age, qualifications, and particulars of present and previous appointments, together with a copy of one recent testimonial and the names and addresses of two referees, should be sent in a sealed envelope endorsed with a description of the post applied for, so as to reach me not later than the 28th April, 1950.

**W. E. BUFTON,**

*Clerk of the County Council.*

County Offices, Ruthin.  
28th March, 1950.

3931

**NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.  
SPECIAL AREA COMMITTEE.**

**APPOINTMENT OF SENIOR ASSISTANT ARCHITECT.**

Applications are invited for the above appointment on the permanent establishment of the Architect to the Board at a salary in accordance with the National Scale, A.P.T., VIII, £685-£760. The Special Area of the Newcastle Region embraces Cumberland and North Westmorland, and includes a considerable portion of the Lake District National Park.

The successful applicant will be based in Carlisle in the office of the Divisional Architect for the Special Area.

The work of the successful applicant will consist primarily of producing detailed designs relating to an already agreed master block plan and of preparing working drawings, negotiating contracts, and progressing building operations in connection with an extensive scheme of reconstruction and extension at the City General Hospital, Carlisle.

To a keen and competent man the appointment offers exceptional interest and opportunity. As time permits smaller works at other hospitals within the Special Area will also be done.

Applicants should be Associates of the Royal Institute of British Architects, and should preferably have had considerable experience in hospital work. Lack of hospital experience will not, however, be a bar. The appointment will be subject to the provisions of the National Health Service (Superannuation) Regulations, and the successful candidate will be required to pass a medical examination. The appointment will be subject to one month's notice on either side.

Applications, stating age, present position and salary, war service professional qualifications, details of previous experience, and giving the names of three referees, should be endorsed "Senior Assistant Architect, Special Area," and should reach the Clerk to the Special Area Committee, 1, Lonsdale Street, Carlisle, not later than 13th April, 1950.

**W. J. BALL,**

*Clerk to the Special Area Committee.*

3905

**CUMBERLAND COUNTY COUNCIL.**

Applications are invited for the following appointments on the permanent establishment of the Architect's Department:-

(a) **BUILDING INSPECTOR.** A.P.T., Grade IV, £480-£525.

Applicants must have had practical experience of building, supervision of building work, and maintenance of property, and should be able to prepare reports. Previous experience with a public Authority is desirable. The person appointed will be required to provide a motor car, and a car allowance will be payable for County Council duties, in accordance with the Council's Scale.

(b) **JUNIOR ARCHITECTURAL ASSISTANT.** A.P.T., Grade III, £450-£494.

Forms of application for the above posts, together with further particulars and conditions of appointment, may be obtained from John H. Haughan, F.R.I.B.A., County Architect, 15, Portland Square, Carlisle, not later than Monday, 10th April, 1950.

**G. N. C. SWIFT,**

*Clerk of the County Council.*

March, 1950.

3886

**LONDON COUNTY COUNCIL.  
BRIXTON SCHOOL OF BUILDING,  
FERNDALE ROAD, S.W.4.**

(1) **SENIOR ASSISTANT** required to commence as soon as possible. Applicants should have experience of responsibility in the building industry or in one of the associated professions, and be of the standard of Corporate Members of the appropriate professional Institution. They should be competent to teach either Quantity Surveying or Building Construction, and be prepared to undertake responsibility for the organisation and supervision of special adult and post advanced evening courses. Teaching experience is essential.

Salary £700×£25 to £900, with additions for London allowance, qualifications and training.

(2) **Two full-time Temporary LECTURERS** required to commence as soon as possible. Applicants should be competent to teach either Quantity Surveying or Building Construction, and to assist with tutorial and studio work in these subjects. They should be suitably qualified, and previous teaching experience will be a recommendation.

Salary: Barnham Scale, £300×£15 to £555, with additions for London allowance, qualifications and training. Initial increments allowed for suitable practical experience.

Application forms (stamped addressed envelope), obtainable from the Secretary, should be returned by 29th April, 1950. (401) 3923

**HAYES & HARLINGTON URBAN DISTRICT COUNCIL.  
ENGINEER & SURVEYOR'S DEPARTMENT.  
APPOINTMENT OF JUNIOR ARCHITECTURAL DRAUGHTSMAN.**

Applications are invited for the above-mentioned permanent appointment in the Department of the Council's Engineer and Surveyor.

The salary attaching to the appointment is in accordance with the General Division (according to age), plus appropriate London "weighting," i.e., commencing at £145 per annum at age 16 years and rising to a maximum of £415 per annum at age 32 years.

Applicants must be good Draughtsmen, with some experience in an Architect's office, and preference will be given to probationers of the Royal Institute of British Architects.

Forms of application may be obtained from the Engineer and Surveyor, Town Hall, Hayes, Middlesex, to whom they should be returned not later than 14 days following the appearance of this advertisement.

**A. E. HIGGINS,**

*Clerk of the Council.*

3941

**CITY AND COUNTY OF THE CITY OF EXETER.**

Applications are invited for the appointment of **ASSISTANT BUILDING INSPECTOR**, on the permanent staff of the City Architect's Department. The salary will be in accordance with A.P.T. Grade III (£450, rising to £495 p.a.).

Applicants must be experienced in the work of a Building Inspector's Department of a Municipal Authority, including the inspection of plans, and the supervision of works in accordance with Building Bye-Laws, and other relevant regulations, and be competent to carry out any necessary structural calculations.

They should have passed the Building Inspector's Examination of a recognised professional body.

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

The successful applicant 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.Struct.E., City Architect, Municipal Offices, Exeter, not later than 21st April, 1950.

**C. J. NEWMAN,**

*Town Clerk.*

Exeter.  
March, 1950.

3940



**CROWN AGENTS FOR THE COLONIES.**  
**ASSISTANT ENGINEER (CIVIL)** required for the Design Branch of the London office. Salary scale £475 a year, rising to £750 a year. The £475 minimum is linked to entry age of 25, with the addition of £25 for each year above that age, up to £600, and the subtraction of £25 for each year below that age. Extra duty allowance of 1 per cent. of annual salary also payable at present. Engagement will be on unestablished terms, with a prospect after satisfactory service of appointment to the established and pensionable staff in due course, vacancies permitting. Candidates, not over 35 years, must be Corporate Members of the Institution of Civil Engineers, or have passed the qualifying examination in this Institution, or hold an exempting degree or have obtained the Testamur of the Institution of Municipal Engineers. They must have had experience in the office of a Civil Engineer, the Civil Engineering Department of a railway, a firm of Structural Engineers, the Civil Engineering Branch of a Municipality or a Contractor, and should be capable of preparing designs for bridges and buildings in steel and have knowledge of re-inforced concrete design. Some experience in the field or on works desirable. Duties will entail designs for steel and re-inforced concrete structures and general Civil Engineering work. The officer may be required to undertake short tours in the Colonies on field or survey work. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/24958/3A on both letter and envelope. The Crown Agents cannot undertake to acknowledge all applications, and will communicate only with applicants selected for further consideration. 3902

**METROPOLITAN BOROUGH OF HAMMERSMITH.**  
**BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.**  
 Applications are invited for the permanent appointment of TWO ASSISTANT ARCHITECTS, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade A.P.T., V/Va, of the National Scale of Salaries (£520 × £15 × £20—£610), plus London weighting. Applicants must be suitably qualified, competent in design and construction, and have had experience in Municipal housing and public buildings. The appointment will be subject to the provisions of the Council's Superannuation Scheme, to the successful candidates passing satisfactorily a medical examination, and to the National Scheme of Conditions of Service. Applications—upon forms to be obtained from the undersigned upon the receipt of a stamped addressed foolscap envelope—must be delivered to the Town Clerk not later than 9 a.m. on Monday, 17th April, 1950. Canvassing, directly or indirectly, will disqualify. 3901

**HORACE SLIM.** Town Clerk.  
 Town Hall, Hammersmith, W.6.  
**NATIONAL COAL BOARD.**  
**NORTH-EASTERN DIVISION.**  
 Applications are invited for the following appointments in the Architect's Department:—  
**ARCHITECTS, Grade II.** Salary on scale: £450 × £25—£700 a year (men), £525 × £15—£575 a year (women).  
 Applicants should be A.R.I.B.A. or equivalent, have considerable experience in preparation of Sketch Plans, Working Drawings and Specifications.  
**ARCHITECTURAL ASSISTANTS, Grades I and II.** Salary on scale: Grade I, £410 × £20—£550 a year (men), £340 × £15—£445 a year (women); Grade II, £300 × £20—£440 a year (men), £247 × £15—£352 a year (women).  
 Applicants for Grade I should have passed their Intermediate R.I.B.A. examination, and applicants for Grade II should be at least Student Members of R.I.B.A.  
**QUANTITY SURVEYORS, Grade II.** Salary on scale: £450 × £25—£700 a year.  
 Should be A.R.I.C.S. (Quantities Section), with a thorough knowledge of the "London" method of "taking off" quantities and measuring on site and fully experienced in "working up."  
**QUANTITY SURVEYING ASSISTANTS, Grade I.** Salary on scale: £410 × £20—£550 a year.  
 Should have passed the Intermediate Examination of the R.I.C.S. (Quantities Section) and have had 5 years' office experience in "working up."  
**QUANTITY SURVEYING ASSISTANTS, Grade II.** Salary on scale: £300 × £20—£440 a year.  
 Should have passed, or be preparing for, the Intermediate Examination of the R.I.C.S. (Quantities Section), and have had at least two years' office training and experience in "working up."  
**JUNIOR QUANTITY SURVEYING ASSISTANT.** Salary on scale: £100—£338 a year (according to age).  
 Should hold School Certificate with four credits, and be prepared to study for examinations of the R.I.C.S.  
 All posts are superannuable and will be tenable in the first instance at Sheffield and later near Doncaster.  
 Intending applicants should send for applications forms (Form SBA) to the Establishments Officer, National Coal Board, North-Eastern Division, Rannmoor Hall, Belgrave Road, Sheffield, 10. The closing date for applications is the 1st May, 1950. 3948

**ASSISTANT PLANNING OFFICER.**  
 Department of Health for Scotland invite applications for a temporary appointment as Assistant Planning Officer, Civic Design Branch. Work includes planning technique, urban redevelopment, new towns and neighbourhood layout. Candidates should be fully qualified as architects, engineers or surveyors, should have passed Final Examination of T.P.I., and should have had experience in a planning office. Minimum age 26. Commencing salary £460 to £610, according to age and experience. Somewhat less for women. Form of application obtainable from Establishment Officer, Department of Health for Scotland (Room 30), St. Andrew's House, Edinburgh, 1, must be returned by 30th April, 1950. 3912

**METROPOLITAN BOROUGH OF WANDSWORTH.**  
**ARCHITECTURAL ASSISTANT.**  
 Applications are invited for the under-mentioned Established vacancy in the Borough Architect's Department:—  
**ARCHITECTURAL ASSISTANT,** at a salary in accordance with Grade A.P.T., VII (£665—£740 per annum inclusive). Candidates should be fully experienced in the design and planning of housing estates, particularly multi-storey blocks of flats and/or other framed buildings and in supervising their erection. Preference will be given to Associates of the R.I.B.A.  
 Application forms may be obtained from the Borough Architect, and must be returned to the undersigned not later than 24th April, 1950. 3922

**R. H. JERMAN.** Town Clerk.  
 Municipal Buildings, Wandsworth, S.W.18.  
 March, 1950. 3922

**BOROUGH OF RADCLIFFE.**  
**BOROUGH ENGINEER'S DEPARTMENT.**  
**APPOINTMENT OF ARCHITECTURAL ASSISTANT.**  
 Applications are invited for the above-mentioned permanent appointment in the office of the Borough Engineer and Surveyor, at a salary in accordance with Grade III of the National Scale of Salaries (£450, rising to £495 per annum, by annual increments of £15).  
 The person appointed must be experienced in the preparation of plans, specifications, etc., for Housing, Public Buildings and general Municipal work in the Borough, and must have a thorough knowledge of present day building.  
 The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.  
 The Council may be able to assist in the matter of housing accommodation.  
 Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, and endorsed "Architectural Assistant," must be received by the undersigned not later than Friday, 21st April, 1950. Canvassing will disqualify. 3923

**H. A. FOX.** Town Clerk.  
 Town Hall, Radcliffe, Lancs.  
 28th March, 1950. 3933

**CRAWLEY DEVELOPMENT CORPORATION.**  
**ASSISTANT ARCHITECT, Grade IV.** £550 × £30—£750, with contributory superannuation. Applicants should be fully qualified architects, with good general architectural experience. A knowledge of town planning is desirable but not essential. Form of application and particulars should be obtained from the Chief Architect, A. G. Sheppard Fidler, M.A., B.Arch., F.R.I.B.A., A.M.P.E., Broadfield, Crawley, Sussex, to whom applications must be submitted by 18th April, 1950. 3934

**C. A. C. TURNER.** Chief Executive.  
 6th April, 1950. 3903

**BOROUGH OF RICHMOND**  
 in the  
**COUNTY OF YORK.**  
**ARCHITECTURAL ASSISTANT (HOUSING).**  
 Applications are invited for this post at a salary in accordance with Grade V (£520—£570) of the National Scale of Salaries. The Corporation will discuss the question of housing accommodation with the person appointed.  
 Applications, stating age, present appointment, and full details of experience, together with the names and addresses of two references, should reach me at the Corporation Office, Richmond, Yorks, by not later than Monday, the 17th April, 1950. 3904

**DAVID BROOKS.** Town Clerk.  
 3907

**WARWICKSHIRE COUNTY COUNCIL.**  
**ARCHITECT'S DEPARTMENT.**  
 Vacancies occur on the permanent staff for posts as follows:—  
**ASSISTANT ARCHITECT.** A.P.T., Grade V (£520—£570).  
**ARCHITECTURAL ASSISTANT.** A.P.T., Grade III (£450—£495).  
 The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.  
 Application forms can be obtained from C. H. Elkins, F.R.I.B.A., A.R.I.C.S., County Architect, Shire Hall, Warwick.  
 L. EDGAR STEPHENS, Clerk of the Council.  
 Shire Hall, Warwick. 3904

**CORPORATION OF LONDON.**  
**APPOINTMENTS OF ARCHITECTURAL ASSISTANTS.**  
**AUXILIARY STAFF.**

Applications are invited for the following appointments:—

**Sub-office, London Central Markets:**  
 This appointment is in connection with the redesign and reconstruction of large buildings following war damage. Applicants require to have had good practical experience in the preparation of surveys, working drawings, 1 in. and full size details, with a sound knowledge of building construction and general office routine.

**Sub-office, Central Criminal Court:**  
 This appointment is in connection with the redesign and reconstruction of the Central Criminal Court following war damage, and applicants require to have had good experience in design and building construction, site supervision, and general office routine.

The salary in each case will be within the range of Higher Grade I, £400 × £25—£625, and the commencing salary will be arranged according to qualifications and experience. Applicants should be Associate Members of the Royal Institute of British Architects, or Registered Architects, and should be between 30 and 35 years of age.

**Principal Office:**  
 The following Assistants are required in connection with general works concerning Corporation public buildings, properties and estates. These appointments require good general experience in design, building construction, specification writing, contract supervision and site management, with good business ability.

One Assistant within the range of Higher Grade I, £400 × £25—£625, according to age and experience, age 30 to 35 years. Applicants should be either Associate Members of the Royal Institute of British Architects or the Royal Institution of Chartered Surveyors.

One Assistant within the range of General Grade, £375 × £25—£475, according to age and experience, age 25 to 30 years. Applicants should have had good office experience and have passed or be preparing for either Intermediate R.I.B.A. or R.I.C.S. Examinations.

Appointed officers will be required to pass a medical examination and to contribute to the Superannuation Fund of the Corporation.

Applications, giving full personal details, particulars of qualifications, experience, age, past and present appointments, and the names of two persons to whom reference may be made, should be sent to the City Surveyor, Corporation of London, 55-61, Moorgate, London, E.C.2, not later than 29th April, 1950. 3946

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

**(a) SENIOR ASSISTANT ARCHITECT.** A.P.T., VIII, £715 × £25 (3)—£790 p.a. Must be qualified Architect, with wide experience in design, planning, and construction of school buildings.

**(b) ASSISTANT ARCHITECTS.** A.P.T., VII, £665 × £25 (3)—£740 p.a. Must be qualified Architects, with high ability in design and able to take charge of large contracts.

**(c) ASSISTANT ARCHITECTS.** A.P.T., VI, £625 × £20 (2) × £25 (1)—£690 p.a. Must be qualified Architects, ability in design essential.

**(d) ARCHITECTURAL ASSISTANTS.** A.P.T., V, £550 × £15 (2) × £20 (1)—£600 p.a.

Candidates should be registered or experienced Architects. All salaries quoted are inclusive of London weighting, applicable to 25 years or over. Established, pensionable staff, subject to medical fitness. Application forms (stamped addressed foolscap envelope) from County Architect, 10, Great George Street, Westminster, S.W.1, to be returned within 14 days (quoting G.807 A.J.). Canvassing disqualifies.

**C. W. RADCLIFFE.** Clerk of the County Council.  
 Middlesex Guildhall, Westminster, S.W.1. 3913

**GOVERNMENT OF NORTHERN IRELAND.**  
**MINISTRY OF FINANCE.**

Applications are invited for unestablished appointments in the Ministry of Finance as **QUANTITY SURVEYING ASSISTANTS, Grade A**, on the salary range £400—£600 per annum. The commencing salaries of selected candidates will be fixed according to experience within the range quoted.

**Qualifications:—**  
 Candidates must possess either:—

(i) the National Building Certificate; or  
 (ii) the Licentiate Diploma of the Institute of Builders;

or proof of professional study to an equivalent standard. In addition they must have a wide experience of quantity surveying in a Quantity Surveyor's or Contractor's Office, Government Department, or Local Authority.

Experience in the preparation of Bills of Quantities will be an advantage.

Preference will be given to suitably qualified persons who have served with M. Forces during the 1914-1918 or 1939-45 Wars, provided the Ministry is satisfied that such candidates can or within a reasonable time will be able to discharge the duties efficiently.

**Closing date:—**

Applications, giving date of birth, full particulars of education, qualifications and experience, and accompanied by copies of two recent testimonials, should be sent to the Director of Establishments, Ministry of Finance, Stormont, so as to reach him not later than 21st April, 1950. 3946

**METROPOLITAN BOROUGH OF  
PADDINGTON**

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

(a) ASSISTANT BUILDING SURVEYOR.  
Salary A.P.T., III, (£450 × £15—£495 p.a.), plus London "weighting," according to age.

Applicants should possess a sound practical knowledge of building construction; be experienced in surveying sites and buildings, the repair, adaptation and conversion of civic and residential properties; capable of preparing plans, specifications and estimates of costs in respect of such works and their supervision. All things being equal, preference will be given to applicants who have passed the Intermediate Examination of the Royal Institution of Chartered Surveyors or hold other equivalent qualification.

(b) JUNIOR ESTIMATING SURVEYOR.  
Salary: Clerical Division, (£395 × £15—£440 p.a.), plus London "weighting," according to age.

Applicants should have good experience in building work, particularly in assisting with the preparation of estimates and specifications for alterations to and maintenance of housing property and public buildings, and also assisting with the supervision of Contract work and the preparation of final accounts. The successful candidate will be required to carry out his duties under the immediate supervision of the Surveying Assistant (Estimating). Preference will be given to candidates who are preparing for the Intermediate Examination of the Royal Institution of Chartered Surveyors (Building or Quantities Sub-Division).

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

The commencing salary will, in each case, be at an appropriate point within the grade mentioned, dependent upon the qualifications and/or experience of the successful candidate.

Applications for these appointments, stating age, qualifications, present and previous appointments, with salaries, and experience, together with the names of three authorities or persons to whom reference may be made, should be delivered to the undersigned, in an envelope clearly indicating the appointment for which application is being made, not later than noon on Monday, 24th April, 1950. No forms of application will be issued.

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

Canvassing, directly or indirectly, will disqualify.

**W. H. BENTLEY,**  
Town Clerk.

Town Hall, Paddington, W.2.  
6th April, 1950. 3950

**MIDDLESEX COUNTY COUNCIL.**

**COUNTY ARCHITECT'S DEPARTMENT.**  
QUANTITY SURVEYORS required in A.P.T., IX (£780 × £50 (3) to £930 p.a. inclusive). Established, subject to medical report. Should have considerable experience in taking off and preparing Bills of Quantities, principally for educational buildings of various types. Application forms (stamped addressed foolscap envelope) from County Architect, 10, Great George Street, S.W.1, to be returned by 20th April (quoting G.824 A.J.). Canvassing disqualifies.

**C. W. RADCLIFFE**  
Clerk of the County Council.  
Middlesex Guildhall, S.W.1. 3918

**GOVERNMENT OF NORTHERN IRELAND.  
MINISTRY OF HEALTH AND LOCAL  
GOVERNMENT.**

**TECHNICAL STAFF—HOUSING AND  
PLANNING.**

Applications are invited for unestablished posts of:—

(a) ASSISTANT ARCHITECT, Grade A (Planning). £700-£900 per annum.

(b) ASSISTANT ARCHITECT, Grade B (Housing). £500-£750 per annum.

(c) PLANNING ASSISTANT. £500-£750 per annum.

Commencing salary within the above ranges will be fixed according to qualifications and experience; a salary lower than £500 may be paid to a candidate under 26 years of age.

Qualifications: Candidates for (a) and (b) posts must be Registered Architects by examination. In addition, candidates for the Housing vacancy should have experience in up-to-date house design and layout.

Candidates for the Planning Assistant post must be either Registered Architects by examination, Corporate Members of the Institution of Civil Engineers, or Associates of the Royal Institution of Chartered Surveyors.

In addition, applicants for Planning appointments must possess a recognised qualification in town planning or have good experience in town planning work.

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

Applications, giving date of birth, full particulars of qualifications and experience, stating the post applied for, with copies of two recent testimonials, should be sent without delay to the Director of Establishments, Ministry of Finance, Stormont, Belfast. 3947

**ADMINISTRATIVE COUNTIES OF EAST AND  
WEST SUFFOLK.**

**COUNTY PLANNING DEPARTMENT.**  
Applications are invited for the appointment of CHIEF PLANNING ASSISTANT in the County Planning Department.

The salary will be within Grade VII (£635-£710 per annum) of the National Joint Council's Scales, with scale allowance for use of motor car, and will be determinable by one month's notice on either side.

Candidates must possess a Degree or Diploma in Architecture or have passed the Final Examination of the Royal Institute of British Architects. Preference will be given to those who are also Members of the Town Planning Institute.

The successful applicant will be attached to the Development Plan Section, and extensive experience in the detailed planning of residential, industrial and central areas is essential.

Applications, stating age, qualifications, experience, present and past appointments, present salary, and giving the names and addresses of two referees, to be delivered to the County Planning Officer, County Hall, Ipswich, not later than Saturday, morning, the 22nd April, 1950.

Canvassing, directly or indirectly, will disqualify.

**G. C. LIGHTFOOT,**  
Clerk of the County Council.

County Hall, Ipswich.  
30th March, 1950. 3952

**CITY OF DURHAM.**

**ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant. If the person appointed is a registered Architect the salary will be at Grade V (£520-£570), but if the person appointed is not so registered the salary will be at Grade IV (£480-£525). Applicants, being Associates of the Royal Institute of British Architects, will be given preference. If the successful applicant is married the Council will provide a house.

Applications, stating age, qualifications, present and previous appointments and experience, and accompanied by copies of two recent testimonials, must be delivered to the undersigned not later than Friday, the 14th April, 1950.

**D. B. MARTIN-JONES,**  
Town Clerk.  
32, Claypath, Durham. 3956

**LEEDS REGIONAL HOSPITAL BOARD.**

Applications are invited for the post of ARCHITECTURAL ASSISTANT on the Headquarters Staff of the Board. Salary scale £450-£525. Commencing salary in accordance with experience.

Candidates must have experience of preparing details, working drawings and surveying buildings, and preferably have some experience of hospital construction.

The appointment will be subject to the National Health Service (Superannuation) Regulations, 1947/49, and in the case of a new entrant to the Service to the passing of a satisfactory medical examination.

Applications, stating age, qualifications and details of experience, together with the names of three referees, should be forwarded to the Secretary to the Board, 29/31, Eastgate, Leeds, 2, not later than Wednesday, the 19th April, 1950.

Canvassing in any form, either directly or indirectly, will disqualify. 3932

**LONDON COUNTY COUNCIL.**

**ARCHITECT'S DEPARTMENT.**

Applications are invited for positions of ARCHITECT, Grade III (£550-£700) and TECHNICAL ASSISTANT (up to £580), for work on new schools and other public buildings. The positions are superannuable. Candidates for Grade III positions should possess professional qualifications. Application forms from the

Applications are invited for positions of minister Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. 3914

**COUNTY COUNCIL OF ESSEX.**

**COUNTY LAND AGENT'S DEPARTMENT.**

Applications are invited for the undermentioned appointments on the established staff:—

(a) DRAUGHTSMAN (BUILDING AND ARCHITECTURAL). Salary not exceeding Grade V, A.P.T. Division (£520, rising to £570 by three annual increments).

Candidates must be neat and accurate draughtsmen and have been trained in an appropriate professional office. They should also have sound knowledge of building details and construction. Regard will be had to the qualifications and experience of the candidates, and it will be an advantage if the latter have been in connection with farm buildings and rural houses.

(b) BUILDING SURVEYOR, Grade II, A.P.T. Division (£420, rising to £465 by three annual increments).

Candidates must have had experience in the preparation of Specifications and estimates of cost for repairs and maintenance works, and be capable of supervising works and checking final accounts. The appointment is in connection with the maintenance and building work on the Council's agricultural estates.

Applications must be made on a form obtainable from the County Land Agent, 69, Duke Street, Chelmsford, and be returned to him completed, together with copies of not more than three recent testimonials, not later than 24th April, 1950.

Canvassing, either directly or indirectly, is forbidden.

**JOHN E. LIGHTBURN,**  
Clerk of the County Council.  
County Hall, Chelmsford. 3949

**CITY OF PLYMOUTH.**

**CITY ARCHITECT'S DEPARTMENT.**

**APPOINTMENT OF QUANTITY SURVEYORS.**  
Applications are invited for the appointment of a Quantity Surveyor, A.P.T., Grade VI (£595-£660), on the established staff, subject to the Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, the Local Government Superannuation Act, 1937, and one month's notice on either side for termination.

Applicants must be thoroughly experienced in all branches of the work of a Quantity Surveyor, and should be Corporate Members of the Royal Institution of Chartered Surveyors (Sub-division III, Quantities). The successful candidate will be required to pass a medical examination.

Applications, on forms obtainable from the undersigned, accompanied by copies of not more than three recent testimonials and/or names of persons to whom reference may be made, should be received at my office not later than Saturday, 29th April, 1950.

The Corporation may make housing accommodation available to the successful married candidate if required.

**E. G. CATCHPOLE, A.R.I.B.A.,**  
City Architect.  
Seymour Road, Plymouth. 3926

**KENT COUNTY COUNCIL.**

Applications are invited for an appointment in the Buildings Department of an ARCHITECTURAL ASSISTANT, at a salary in A.P.T., V (£520-£570).

Applicants, who must be Members of the Royal Institution of British Architects, should for preference have completed a full-time course at a recognised School of Architecture, and be conversant with methods of research, as the appointment will be in connection with a new educational project.

Previous experience with a local authority is not essential, but experience on school buildings would be an advantage.

The post is superannuable and the successful candidate will be required to pass a medical examination.

Application forms, obtainable from the County Architect, Springfield, Maidstone, should be delivered to him not later than the 17th April, 1950.

**W. L. PLATTS,**  
Clerk of the County Council.  
County Hall, Maidstone. 3921

**SUNBURY-ON-THAMES URBAN DISTRICT  
COUNCIL.**

**PLANNING ASSISTANT.**

The Council invite applications for the above-mentioned appointment in the Surveyor's Department, at a salary in accordance with Grade IV of the A.P. and T. Division of the National Scales, viz., £480 × £15 to £525 per annum, plus appropriate London "weighting."

Candidates should have had good experience of development control and procedure, and also of survey work. Other things being equal, preference will be given to candidates with professional qualifications or candidates intending to seek qualifications.

Applications should be made to the Engineer and Surveyor of the Council at the address below, to reach him not later than the 20th April, 1950. Testimonials need not be forwarded, but the names of two referees must be given.

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

**T. L. WATTS,**  
Clerk of the Council.  
Council Offices, Sunbury-on-Thames. 3953

**Tenders for Contracts**

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

**BOROUGH OF ROMFORD.  
ERECTION OF TWO PAIRS OF AGRICULTURAL WORKERS' COTTAGES, NORTH ROAD, HAVERING.**

The Council invite Tenders for the erection of two pairs of Agricultural Cottages at Havering. General Conditions of Contract, Specification and Plans, may be inspected, and Bills of Quantities and Forms of Tender obtained on or after 3rd April, 1950, on application to the Architect, L. D. Tomlinson, F.R.I.B.A., Quadrant Arcade, Romford, upon payment of a deposit of £2 2s. The deposit will be refunded upon the receipt of a bona fide tender and the return of all documents supplied by the Council.

Sealed Tenders, endorsed "Cottages—Havering," must be delivered to my office not later than first post on the 24th April, 1950.

**J. TWINN,**  
Town Clerk.  
Town Hall, Romford. 3930

**Partnership**

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

**ARCHITECT,** with progressive practice, Eastern Counties, requires Partner, with some capital. Apply in first instance to Benton & Co., Accountants, Saffron Walden, Essex. 3939



# Architectural Appointments Vacant

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

**ASSISTANT** required in busy Berkshire office, with work in all parts of the country; an opportunity for a man with initiative and drive to show his capabilities; good prospects for a capable man. Apply, with full particulars of experience and salary required, to Box 3342.

**ARCHITECTURAL ASSISTANT** required in Maidenhead for large Practice of London and Provincial work; applicants must be capable of supervising work and conversant with by-laws. Reply, with particulars of experience and salary required, to Box 3343.

**SENIOR ARCHITECTURAL ASSISTANTS** required by United Dairies, Limited; applicants to state age and experience in the preparation of surveys, sketch plans and working drawings, and be able to supervise work in progress. Apply in writing, stating qualifications and salary required, to Chief Architect, 31, St. Petersburg Place, London, W.2. 3976

**TWO SENIOR ARCHITECTURAL ASSISTANTS**, with Industrial and Housing experience, required in North-West London office; applicants should be from Intermediate to Final standard; salary £2400-£700, according to qualifications and experience. Apply Sydney Greenwood, A.R.I.B.A., 33, Bunns Lane, London, N.W.7. 3793

**LOUIS DE SOISSONS, A.R.A., & PARTNERS** have vacancies for a qualified **SENIOR ASSISTANT** and **JUNIOR ASSISTANTS** of Intermediate standard in their Plymouth Office. The work is interesting and varied, and includes Schools, Hospitals, Churches, Shops and Housing. There are excellent opportunities for keen and capable men, and salaries according to age and experience, in keeping with National Scales, are offered to suitable applicants.

Applications in writing, giving details of training, age, experience, and past and present employment, should be sent to 11, The Crescent, Plymouth. 3806

**ARCHITECTURAL ASSISTANT** required, up to Inter. standard, by Chartered Architects in West End; good opportunity in small progressive office. Write, stating age, office experience, and salary required. Box 3806.

**ARCHITECTS' SENIOR ASSISTANT** also **JUNIOR**, for urgent industrial and other schemes; very interesting experience. Watson, Johnson & Stokes, Victoria Square, Birmingham, 2. 3638

**REQUIRED** at Company's Head Office. **ARCHITECTURAL ASSISTANT**. A.R.I.B.A.; varied work, mainly factory; five-day week; salary by arrangement. Box 3853.

**ARCHITECT'S ASSISTANT** required at end April. Write in confidence, stating age, experience, and salary, to W. Leslie Jones, L.R.I.B.A., 87, High Street, Great Missenden, Bucks. 3583

**ASSISTANT** required for Architect's office, Slough; Intermediate R.I.B.A. or "finalist" seeking practical experience general practice, principally industrial work. Box 3843.

**ARCHITECTURAL ASSISTANT**, aged 30 or over, required in busy S.W. London Architect's office; must be capable of preparing working drawings for large blocks of flats, etc.; permanency and prospects to suitable applicant. Apply, stating salary, age, and experience, to Cessford Hall, F.R.I.B.A., "Grantham House", Putney Heath, S.W.15. 3869

**ASSISTANT** required for general practice; a varied and interesting work over large area in North-West; able to take entire charge of contracts. Also one **JUNIOR** required. J. H. Martindale & Son, F.R.I.B.A., Architects, Cathedral Chambers, Castle Street, Carlisle. 3648

**PORTSMOUTH**.—An Intermediate grade **ARCHITECTURAL ASSISTANT** required immediately; interesting varied work, including industrial and ecclesiastical buildings. Applications, giving full particulars, to W. H. Saunders & Son, 53, Commercial Road, Portsmouth. 3928

**A. R.I.B.A.**, or equal, with some experience in private practice required immediately in office with all-round practice. Commencing salary £250. Write to Naylor, Sale & Widdows, St. Mary's Chambers, Derby. 3896

**ASSISTANTS** required, preferably qualified; unqualified £7-£8, qualified minimum £10; hours 37½. Clifford Tee & Gale, 43, Frederick Road, Birmingham, 15. Edgbaston 1348. 3929

**ASSISTANT** to Technical Editor of "The Architects' Journal"; qualifications required: Interested in building construction, R.I.B.A. Inter. standard, or equivalent qualifications; experience in architect's or builder's office an advantage. Replies to Cotterell Butler, 9-13, Queen Anne's Gate, S.W.1. 492

**ARCHITECTURAL ASSISTANT** required at an early date for principal building works of several large Generating Stations; some considerable experience in industrial architecture will be expected; position is of a permanent character; a full scale Superannuation Scheme is in operation. Applicants are asked to send details of experience and scale of salary required, and to state when available for interview and explanation of duties in Civil Engineering, to C. S. Allott & Son, Consulting Civil Engineers, 1, North Parade, St. Mary's Parsonage, Manchester, 3. 3927

**ARCHITECTURAL ASSISTANT** required. Intermediate standard, for Housing and General Practice. Write, stating experience and salary required, Rainer, Rogers & Smithson, F.F./A.R.I.B.A., 29, Rodney Road, Cheltenham. 3925

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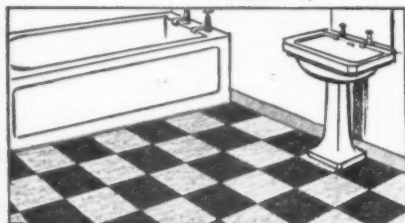


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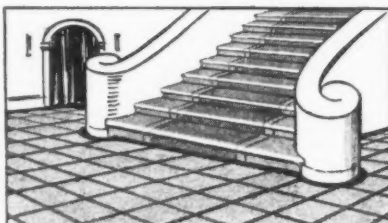
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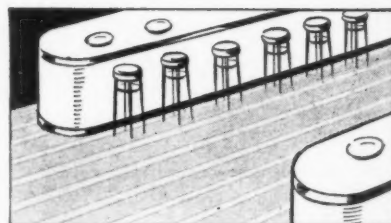
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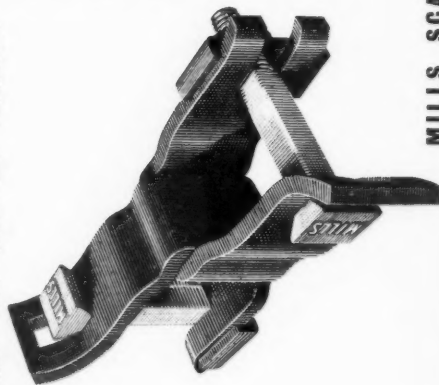


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