

THE ARCHITECTS' JOURNAL



standard contents

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

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

ILA	Institute of Landscape Architects.	1, Park Crescent, Portland Place, W.1.	Museum 3473
I of Arb	Institute of Arbitrators.	Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071
IOB	Institute of Builders.	48, Bedford Square, W.C.1.	Museum 7197
IQS	Institute of Quantity Surveyors.	98, Gloucester Place, W.1.	Welbeck 1859
IR	Institute of Refrigeration.	Dalmeny House, Monument Street, E.C.3.	Avenue 6851
IRA	Institute of Registered Architects.	68, Gloucester Place, W.1.	Welbeck 9966
ISE	Institution of Structural Engineers.	11, Upper Belgrave Street, S.W.1.	Sloane 7128
JFRO	Joint Fire Research Organisation (DSIR & Fire Offices' Committee).	Fire Research Station, Boreham Wood, Herts.	Elstree 1341/1797
LDA	Lead Development Association.	18, Adam Street, W.C.2.	Whitehall 4175
LMBA	London Master Builders' Association.	47, Bedford Square, W.C.1.	Museum 3891
MAFF	Ministry of Agriculture, Fisheries and Food.	Whitehall Place, S.W.1.	Trafalgar 7711
MOE	Ministry of Education.	Curzon Street House, Curzon Street, W.1.	Hyde Park 7070
MOH	Ministry of Health.	23, Savile Row, W.1.	Regent 8411
MOHLG	Ministry of Housing and Local Government.	Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service.	8, St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply.	Shell Mex House, W.C.2.	Gerrard 6933
MOT	Ministry of Transport.	Berkeley Square House, Berkeley Square, W.1.	Mayfair 9494
MOW	Ministry of Works.	Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine Owners and Manufacturers Council.	14, Howick Place, Victoria Street, S.W.1.	Victoria 1600 & 6477
NAS	National Association of Shopfitters.	2, Caxton Street, S.W.1.	Abbey 4813
NBR	National Buildings Record.	31, Chester Terrace, Regent's Park, N.W.1.	Welbeck 0619
NCBMP	National Council of Building Material Producers.	10, Storey's Gate, S.W.1.	Abbey 5111
NEFMAI	National Employers Federation of the Mastic Asphalt Industry.	21, John Adam Street, Adelphi, W.C.2.	Trafalgar 3927
NFBTE	National Federation of Building Trades Employers.	82, New Cavendish Street, W.1.	Langham 4041/4054
NFBTO	National Federation of Building Trades Operatives.	Federal House, Cedars Road, Clapham, S.W.4.	Macaulay 4459
NFHS	National Federation of Housing Societies.	12, Suffolk St., S.W.1.	Whitehall 1631
NHBRC	National House Builders Registration Council.	58, Portland Place, W.1.	Langham 0064/5
NPL	National Physical Laboratory.	Head Office, Teddington.	Molesey 1380
NRDB	Natural Rubber Development Board.	Market Buildings, Mark Lane, E.C.3.	Mansion House 9383
NSAS	National Smoke Abatement Society.	Palace Chambers, Bridge Street, S.W.1.	Trafalgar 6838
NT	National Trust for Places of Historic Interest or Natural Beauty.	42, Queen Anne's Gate, S.W.1.	Whitehall 0211
PEP	Political and Economic Planning.	16, Queen Anne's Gate, S.W.1.	Whitehall 7245
RCA	Reinforced Concrete Association.	94, Petty France, S.W.1.	Abbey 4504
RIAS	Royal Incorporation of Architects in Scotland.	15, Rutland Square, Edinburgh.	Fountainbridge 7631
RIB	Rural Industries Bureau.	35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
RIBA	Royal Institute of British Architects.	66, Portland Place, W.1.	Langham 5533
RICS	Royal Institution of Chartered Surveyors.	12, Great George Street, S.W.1.	Whitehall 5322/9245
RFAC	Royal Fine Arts Commission.	5, Old Palace Yard, S.W.1.	Whitehall 3935
RS	Royal Society.	Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts.	6, John Adam Street, W.C.2.	Trafalgar 2366
RSH	Royal Society of Health.	90, Buckingham Palace Road, S.W.1.	Sloane 5134
SBPM	Society of British Paint Manufacturers.	Grosvenor Gardens House, Grosvenor Gardens, S.W.1.	Victoria 2186
SE	Society of Engineers.	17, Victoria Street, Westminster, S.W.1.	Abbey 7244
SFMA	School Furniture Manufacturers' Association.	30, Cornhill, E.C.3.	Mansion House 3921
SIA	Society of Industrial Artists.	7, Woburn Square, W.C.1.	Langham 1984/5
SIA	Structural Insulation Association.	32, Queen Anne Street, W.1.	Langham 7616
SNHTPC	Scottish National Housing.	Town Planning Council.	Hon. Sec., Robert Pollock, Town Clerk, Rutherglen.
SPAB	Society for the Protection of Ancient Buildings.	55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association.	28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association.	21, College Hill, E.C.4.	City 4771
TPI	Town Planning Institute.	18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation.	75, Cannon Street, E.C.4.	City 5040
WDC	War Damage Commission.	6, Carlton House Terrace, S.W.1.	Whitehall 4341
ZDA	Zinc Development Association.	34, Berkeley Square, W.1.	Grosvenor 6636

No. 3410]

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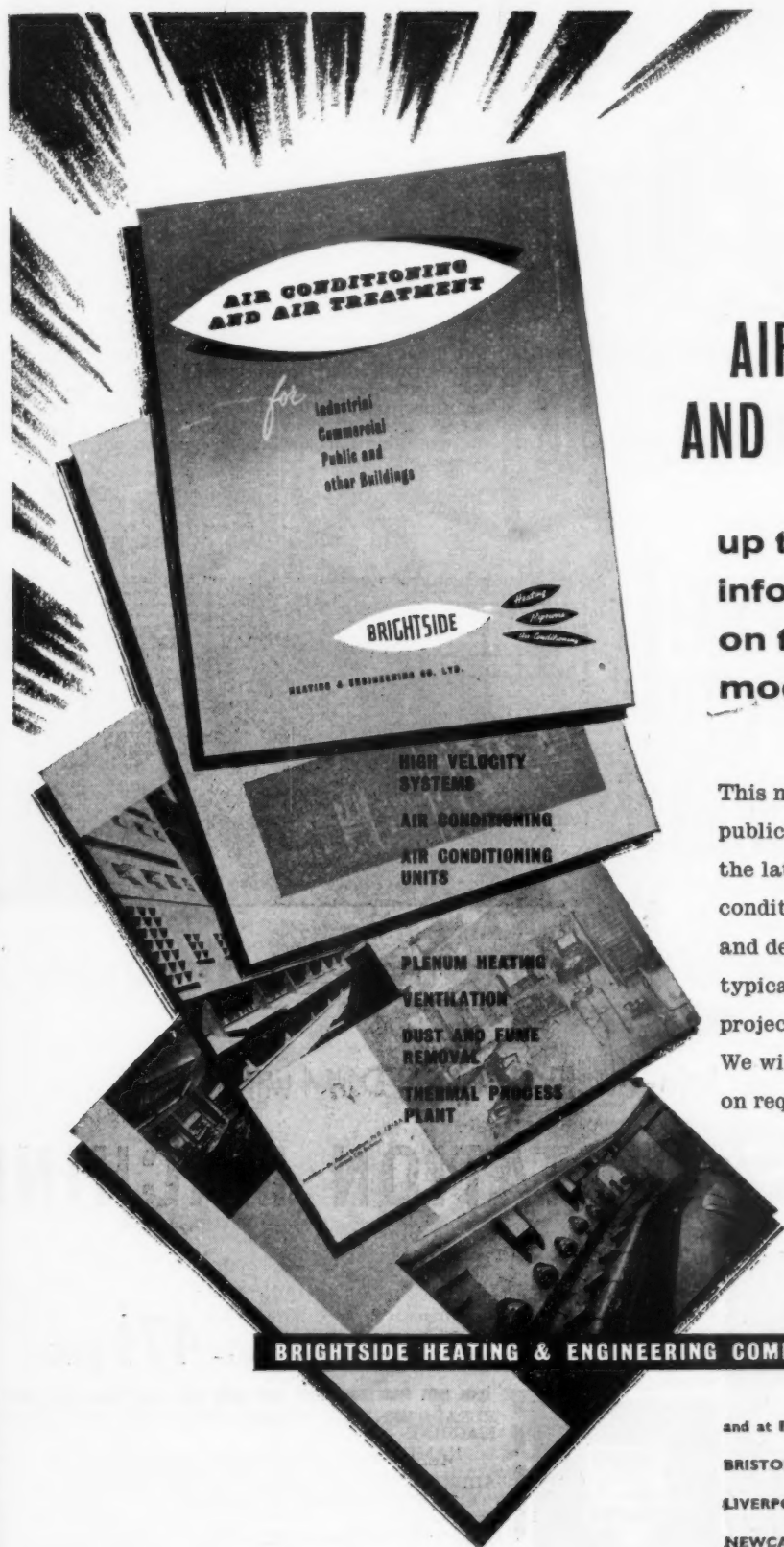
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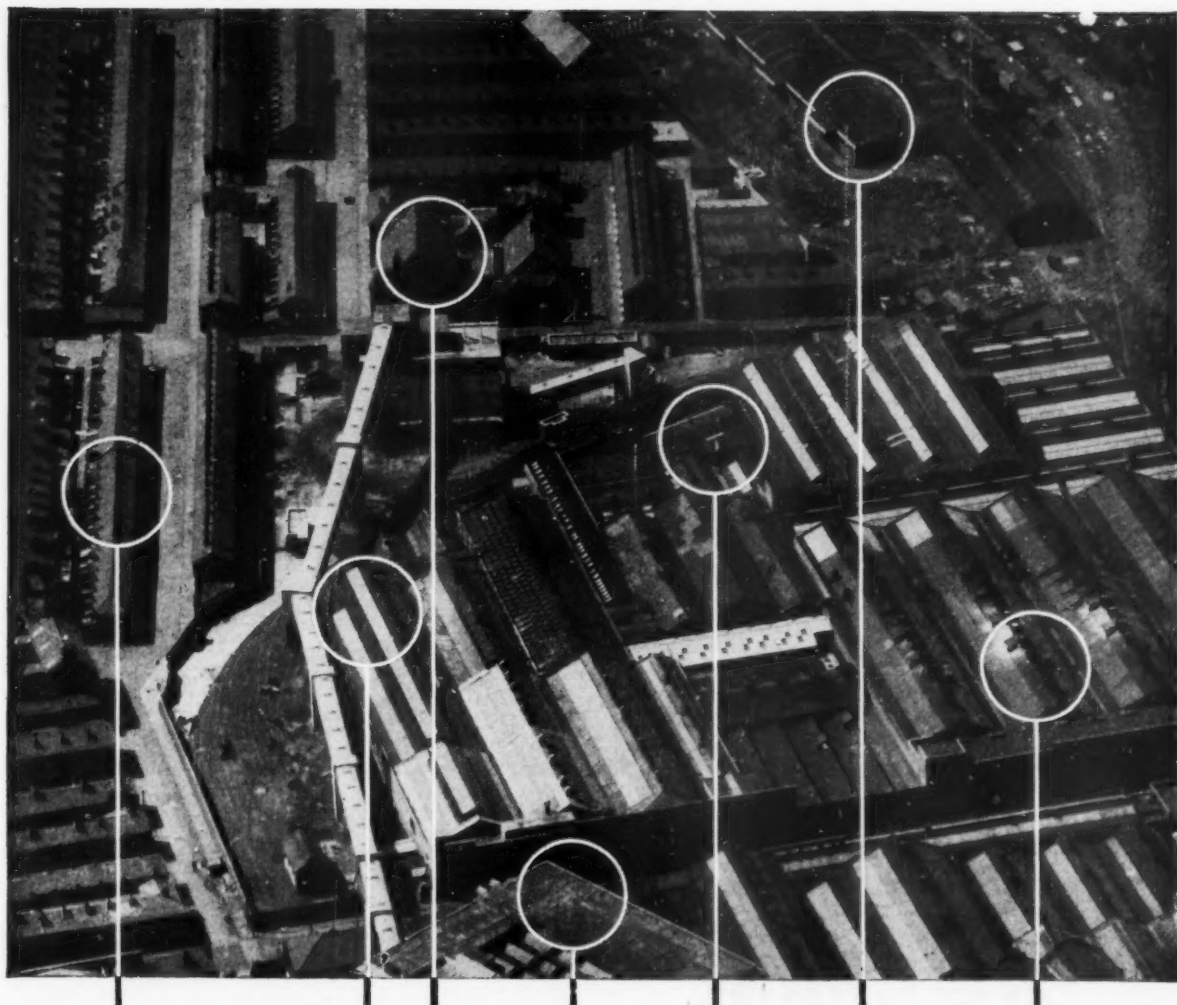


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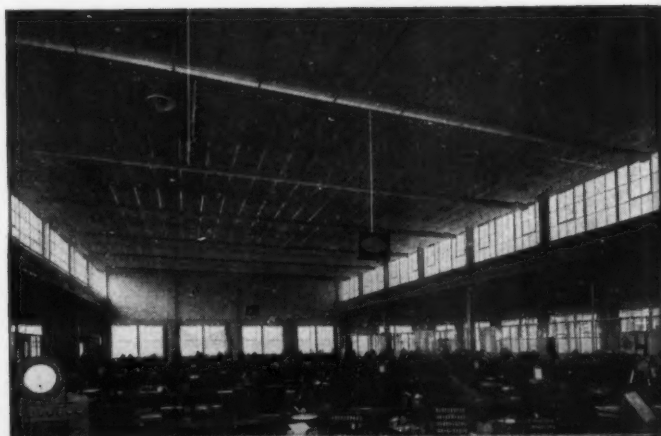
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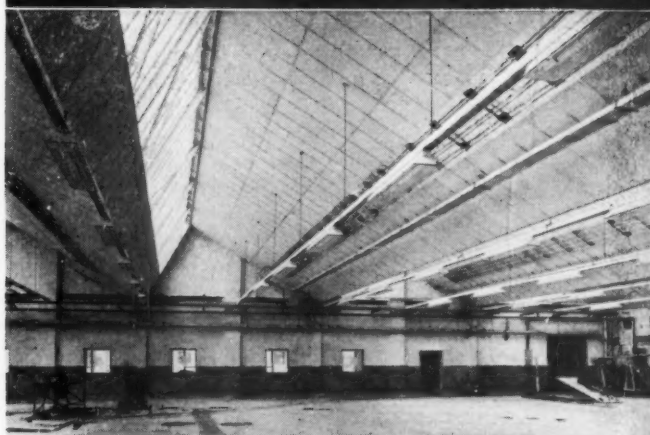
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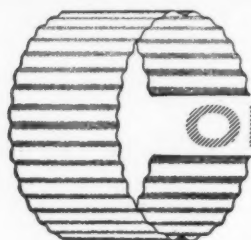
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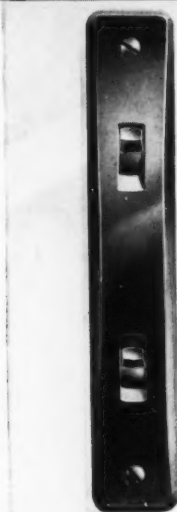
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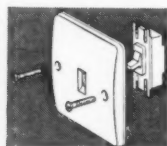
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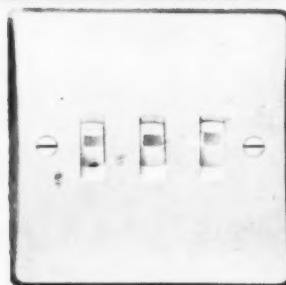
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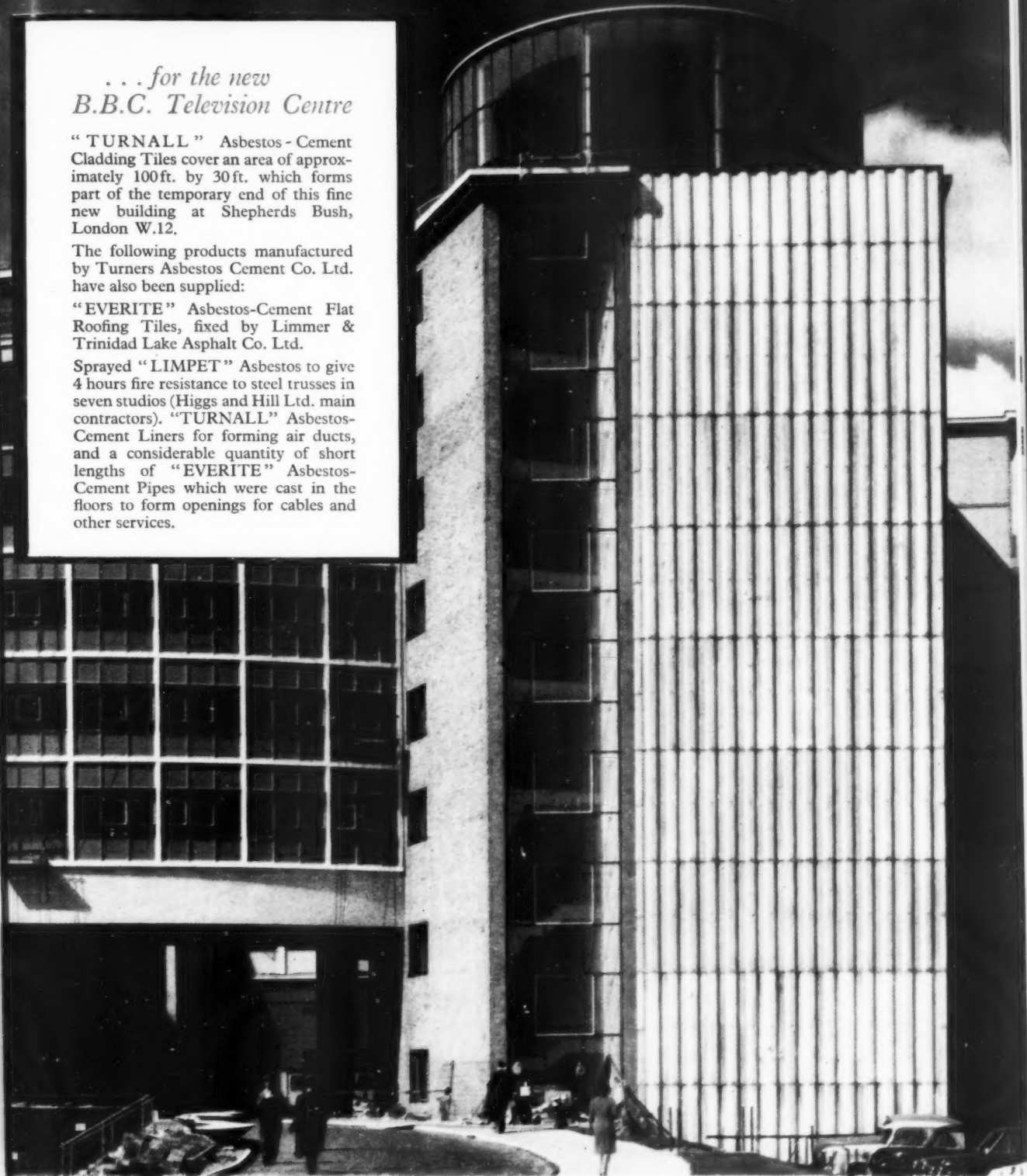
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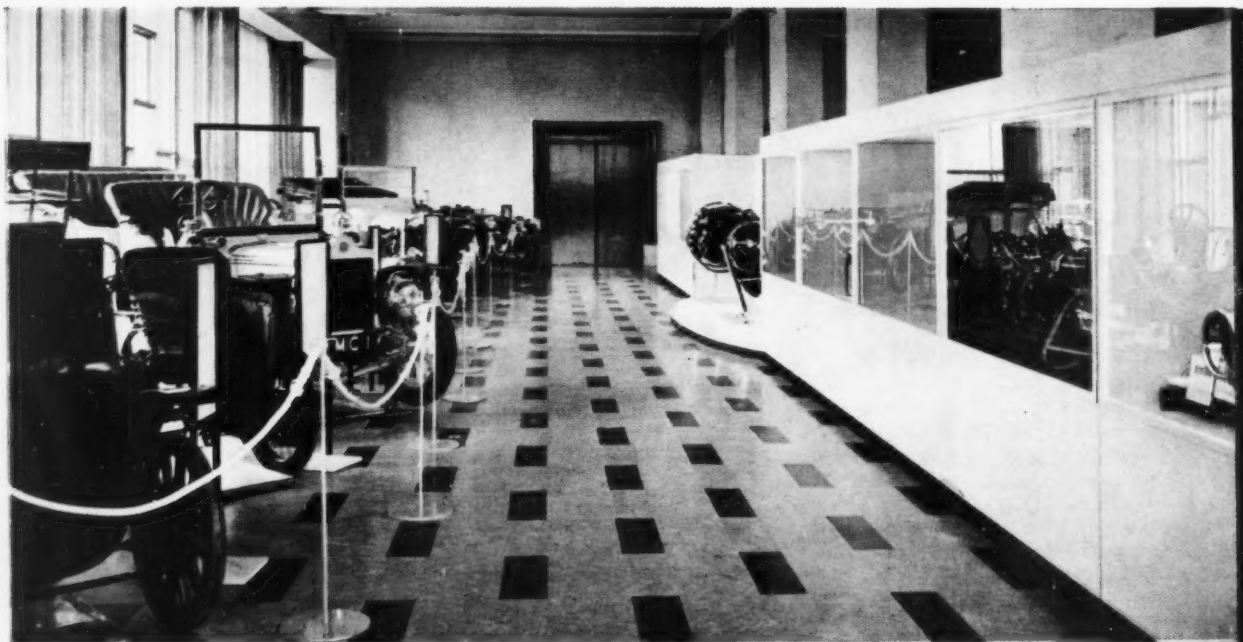
*Architects: Graham Dawbarn Esq., C.B.E. (Norman and Dawbarn)
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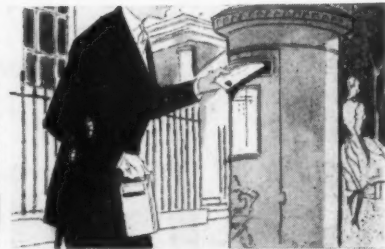
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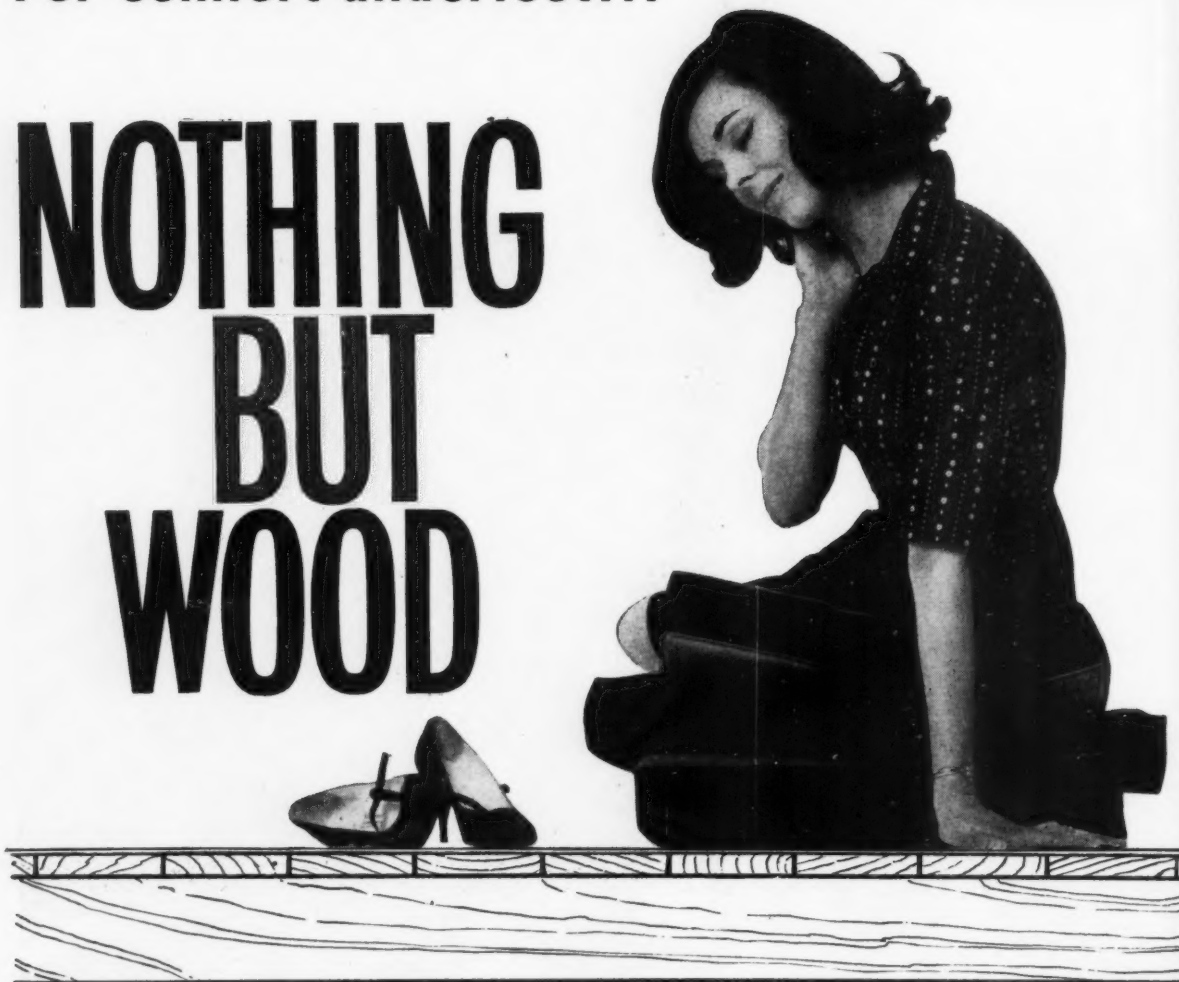


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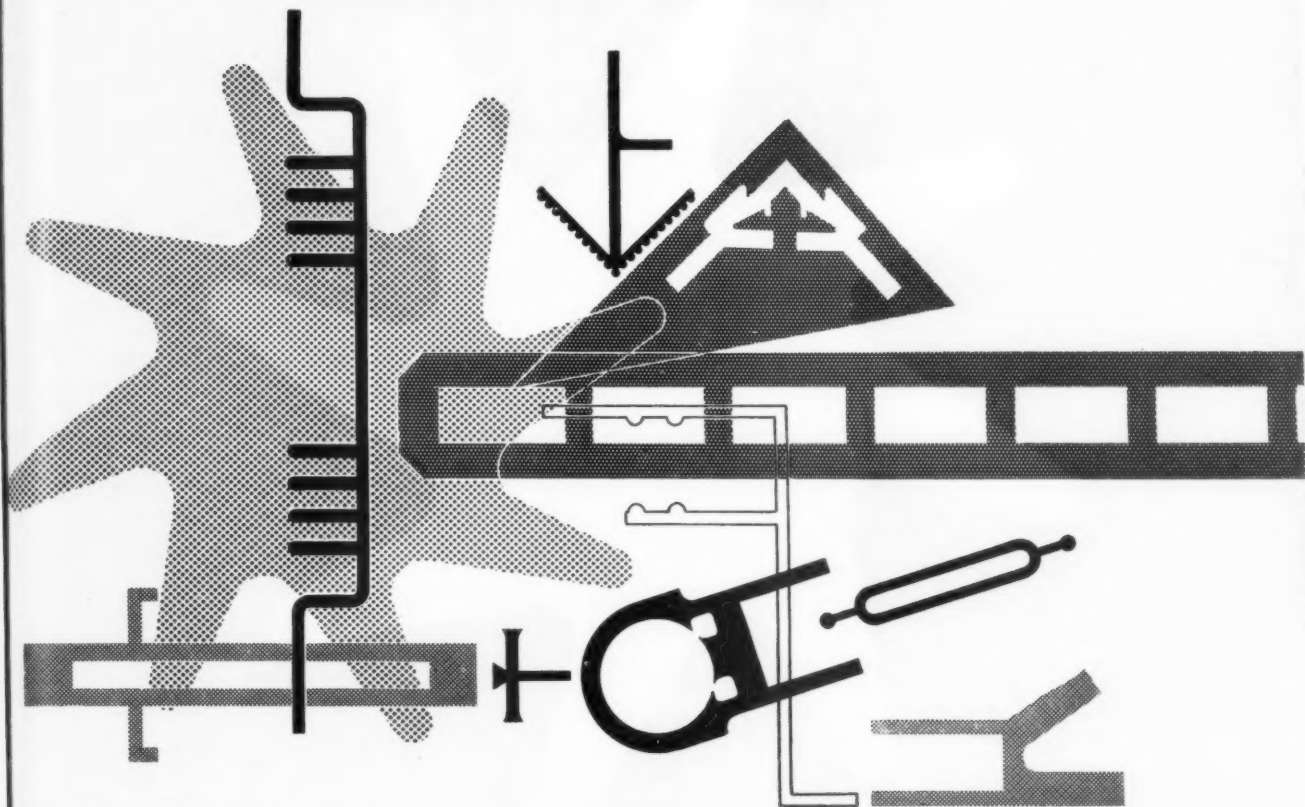
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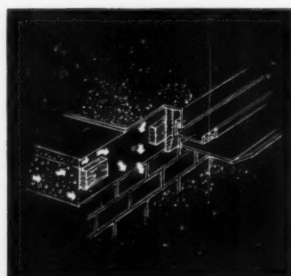
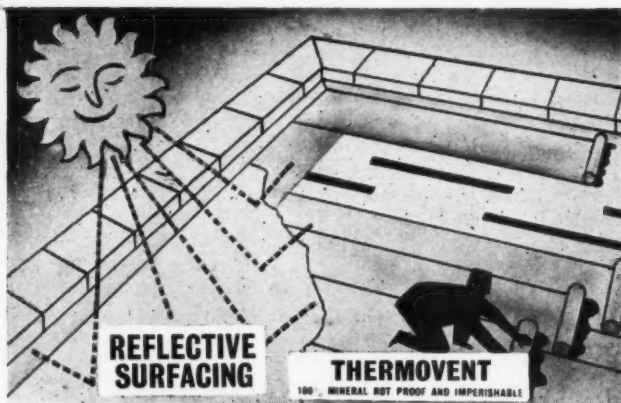
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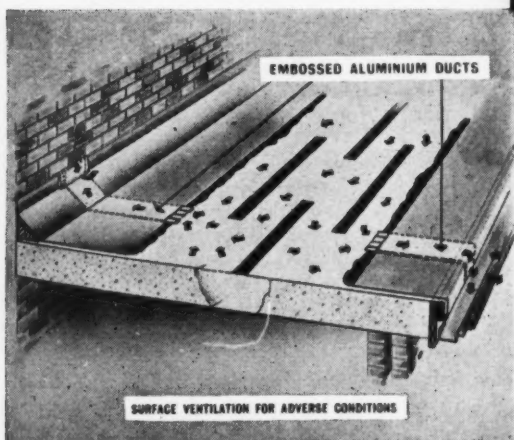
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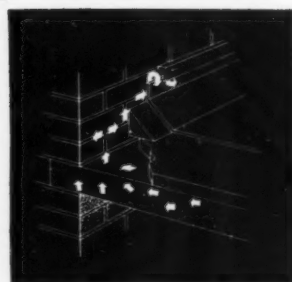
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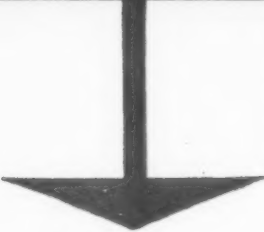
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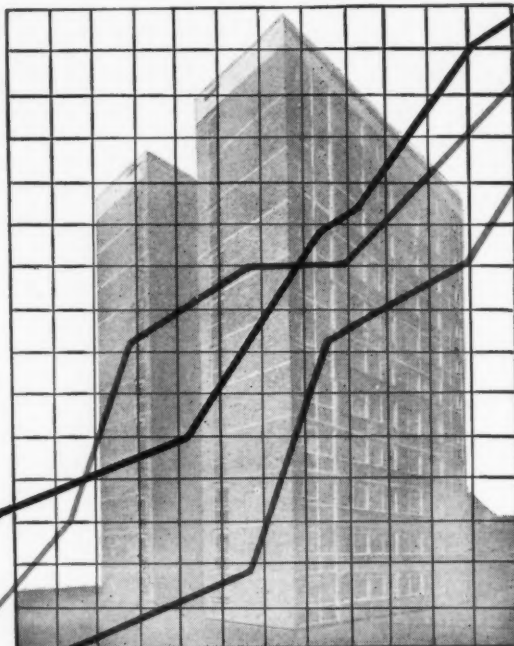
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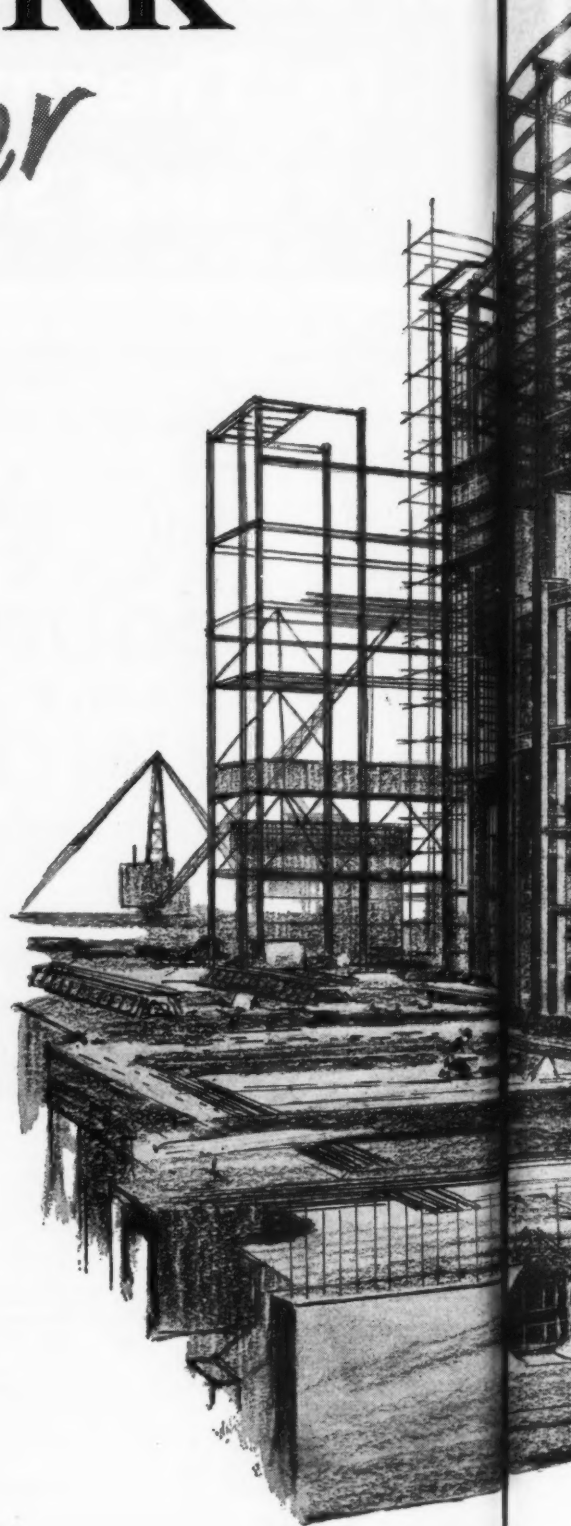
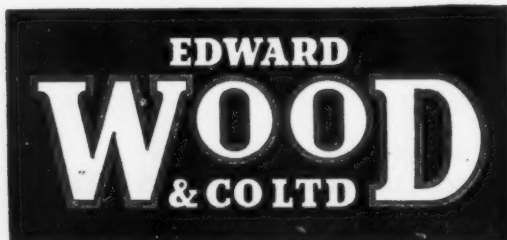
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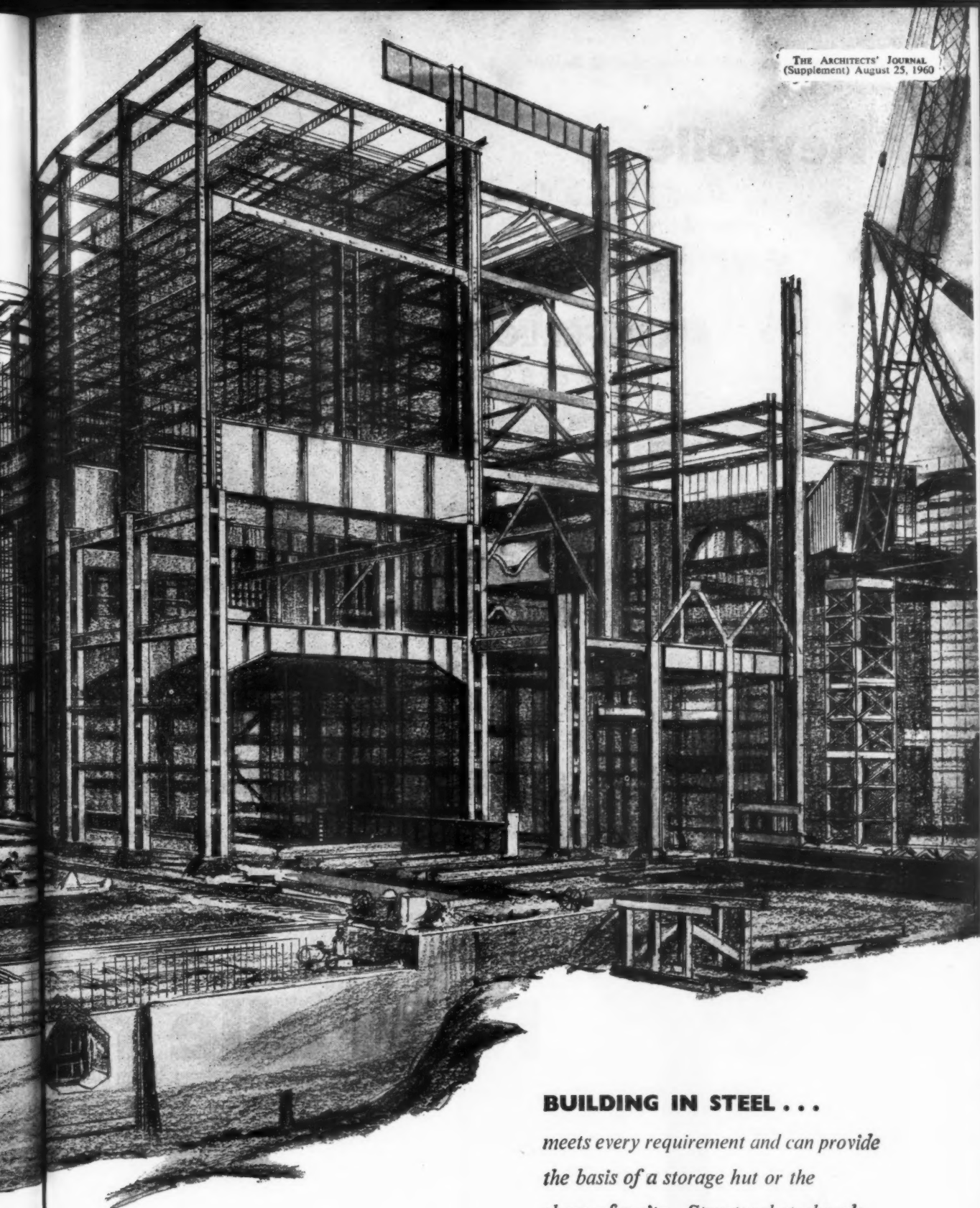
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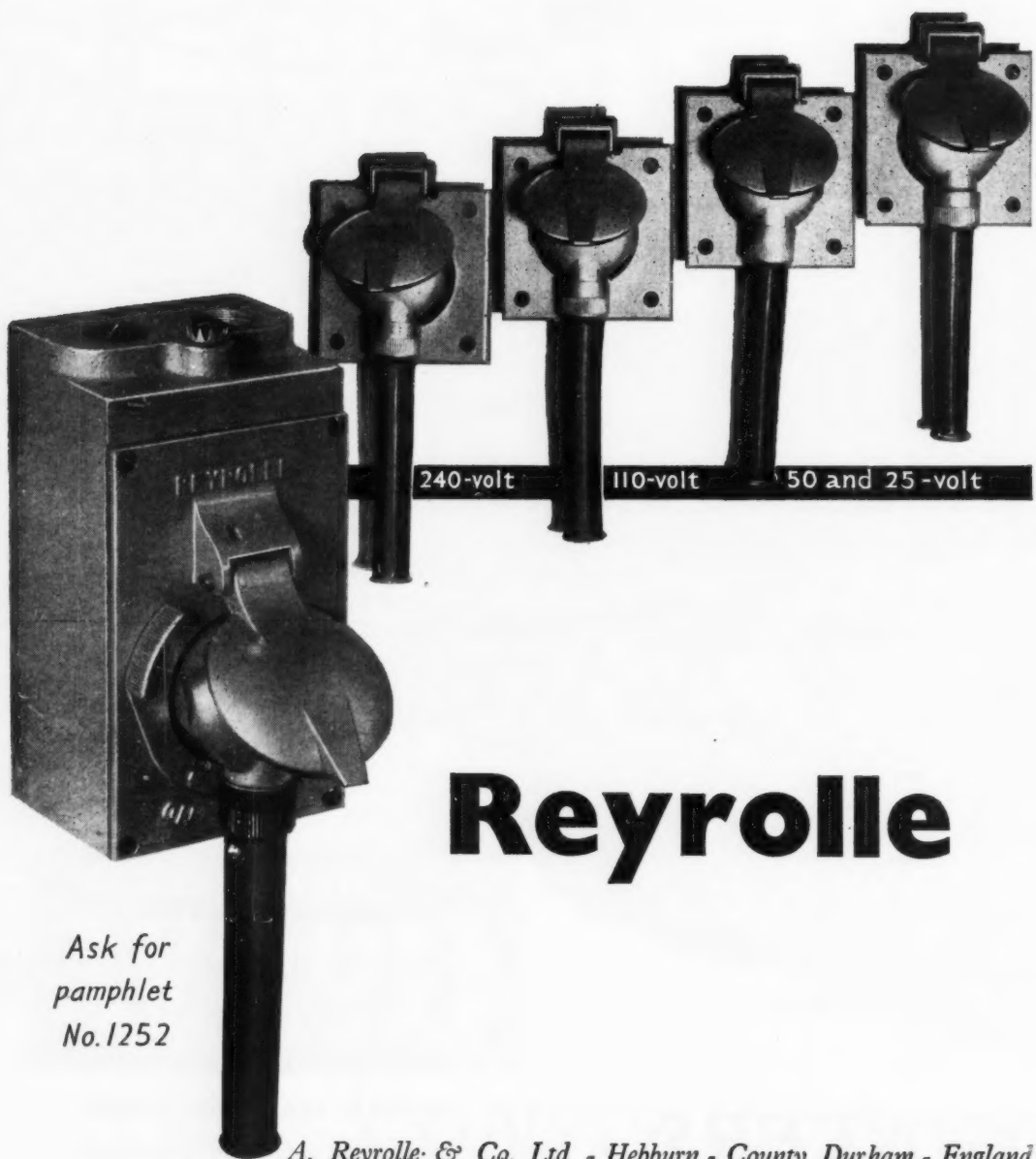
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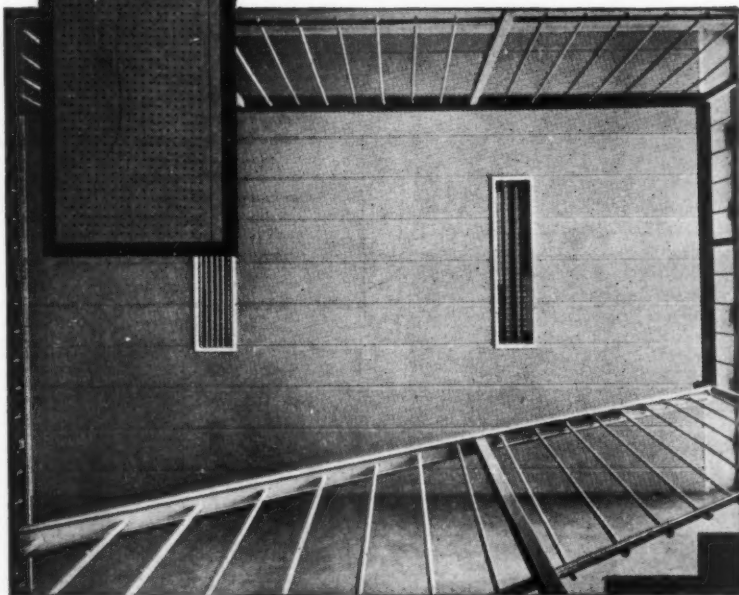
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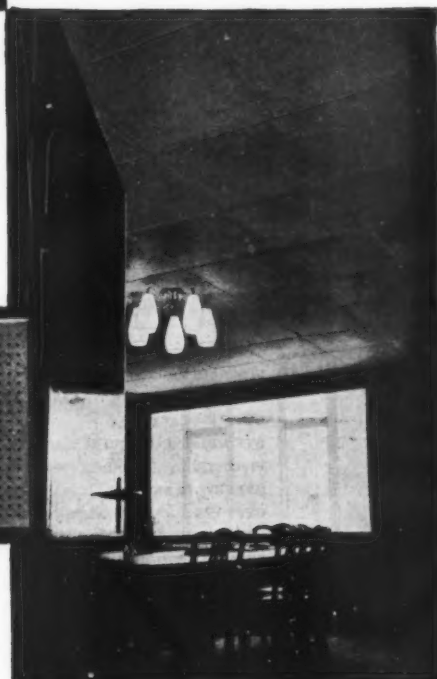
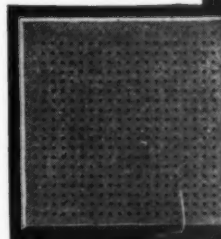
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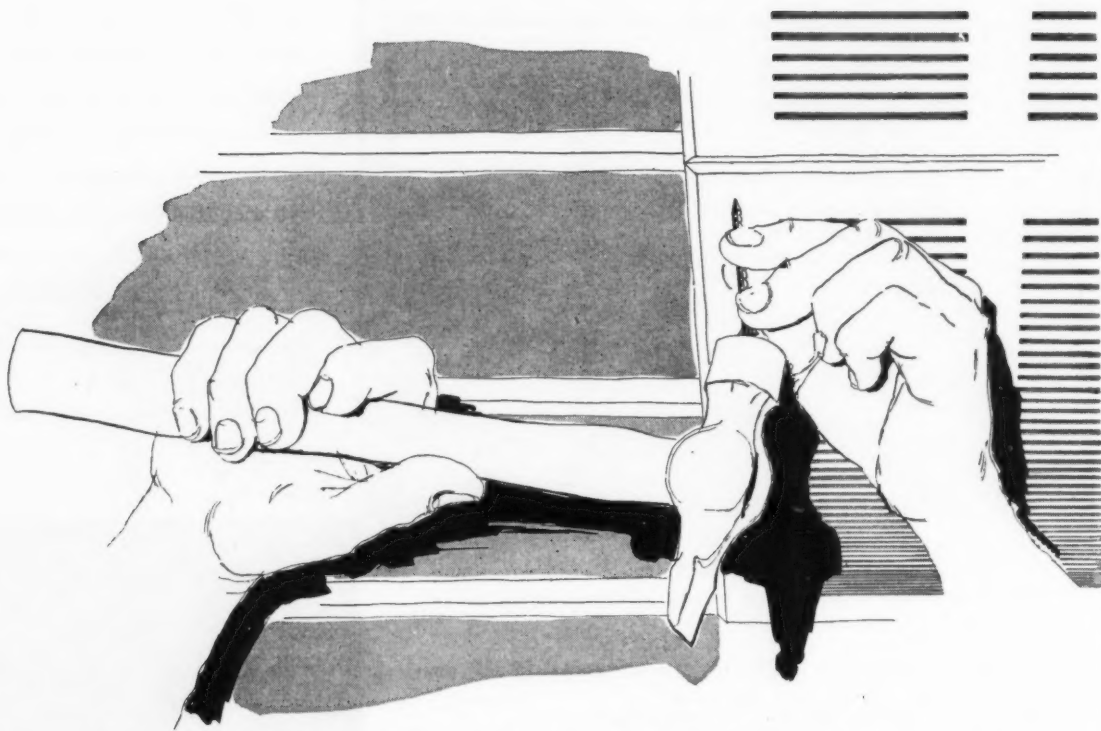
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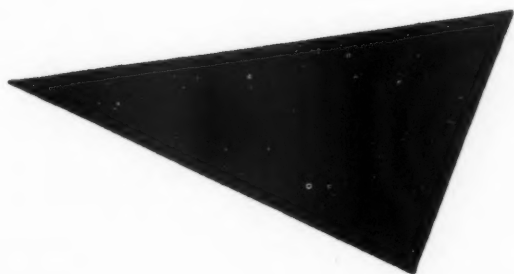
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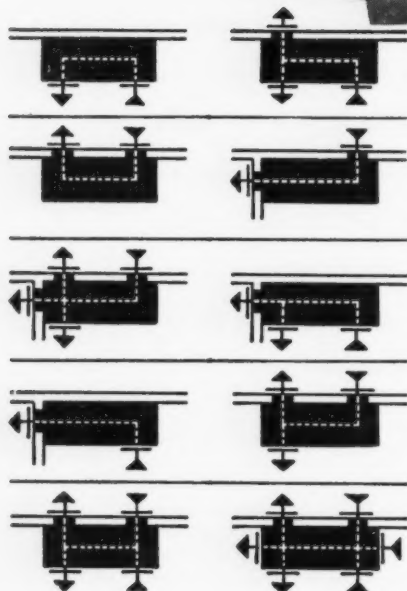
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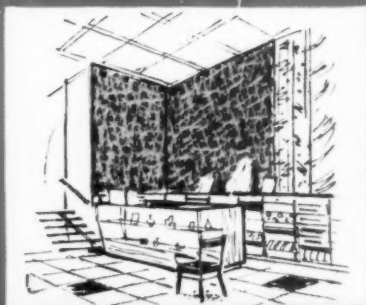
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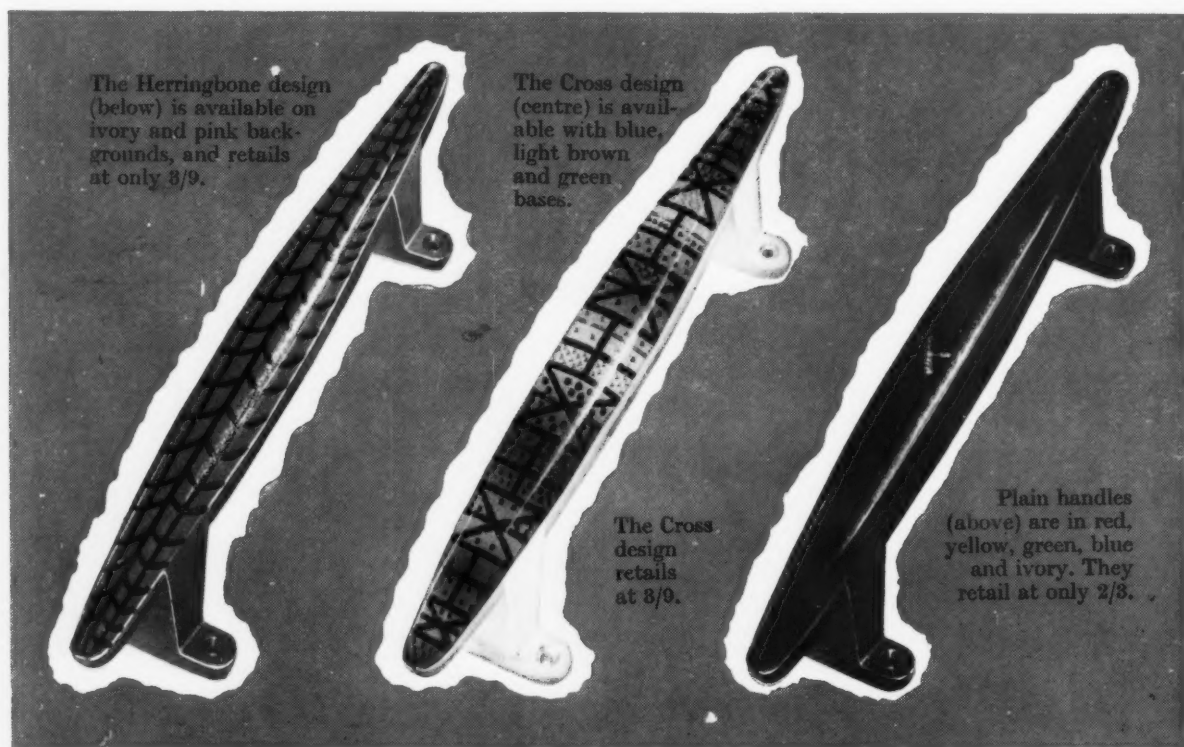
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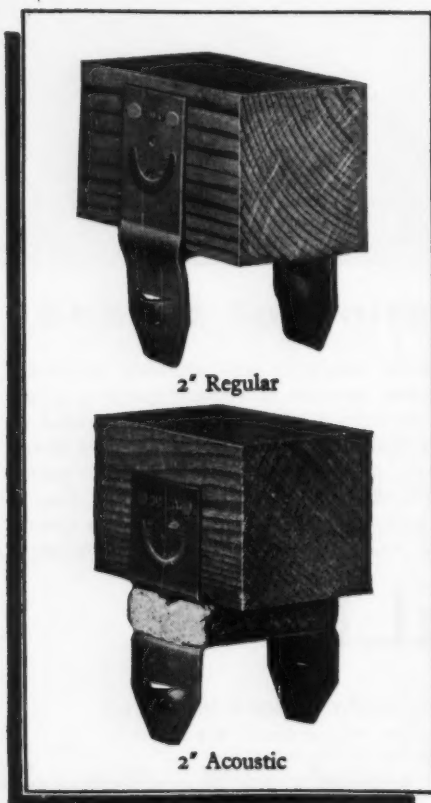
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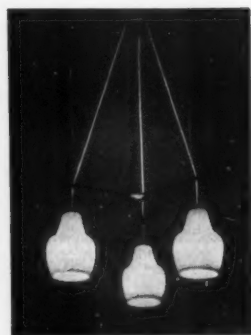
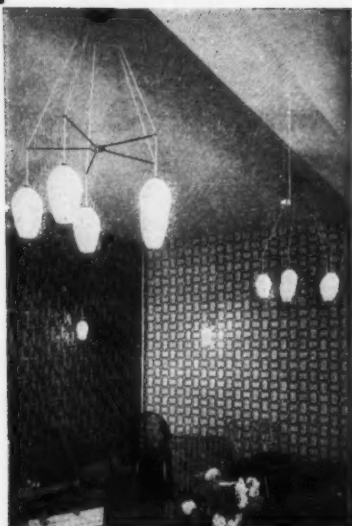
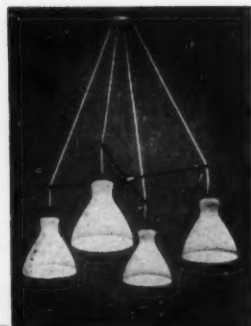


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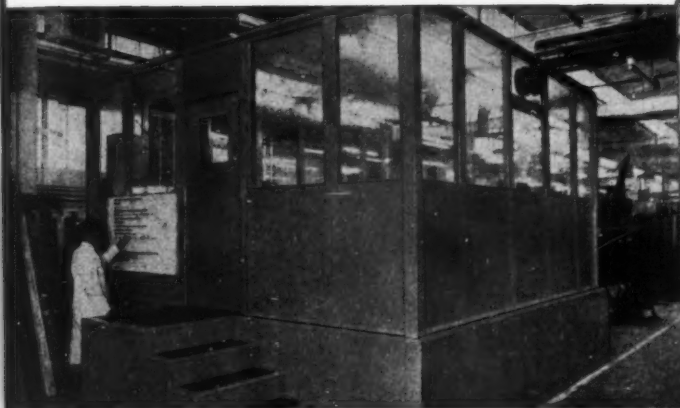
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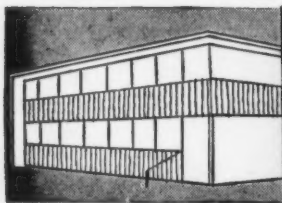
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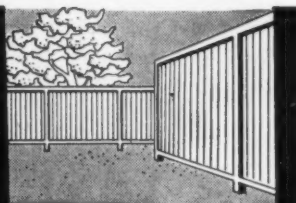
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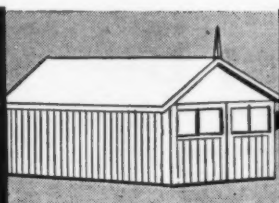
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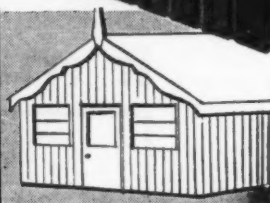
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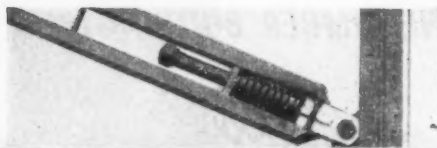


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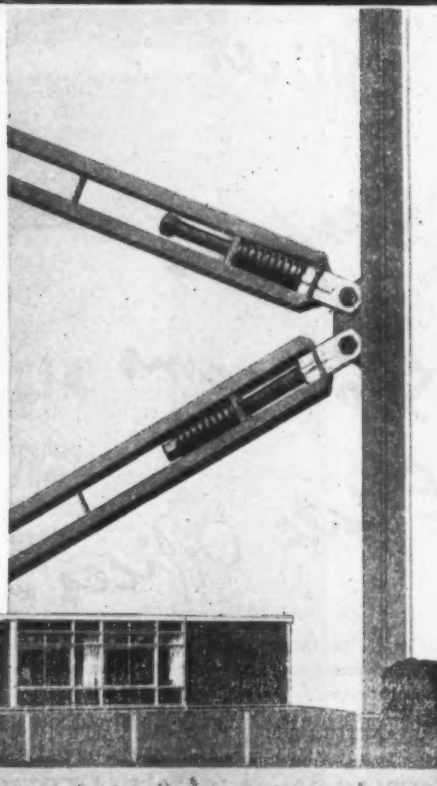


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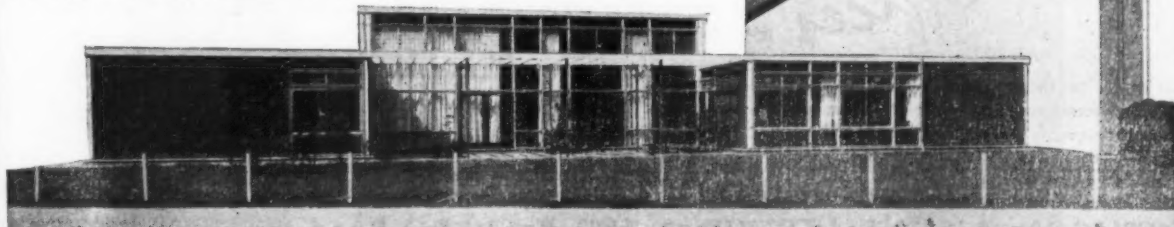
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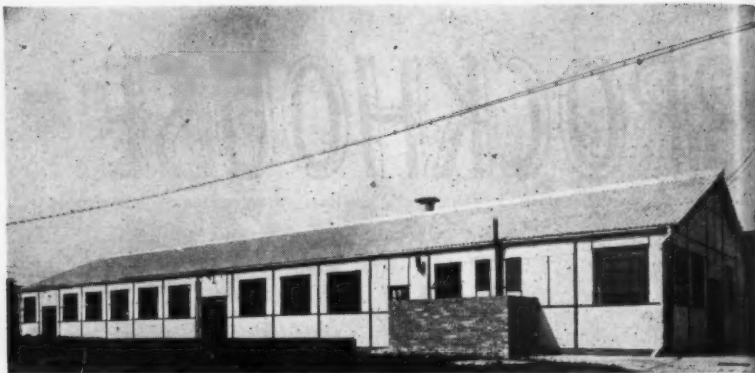
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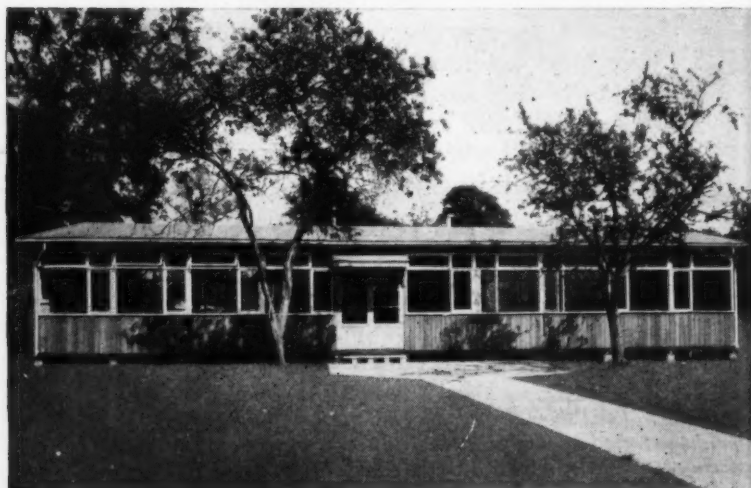
Timber framed Factory Canteen.

Photograph by courtesy of Thomas Harrington Ltd., Hove, Sussex.



Temporary Services Block, 150ft. by 30ft. for Salisbury Cattle Market.

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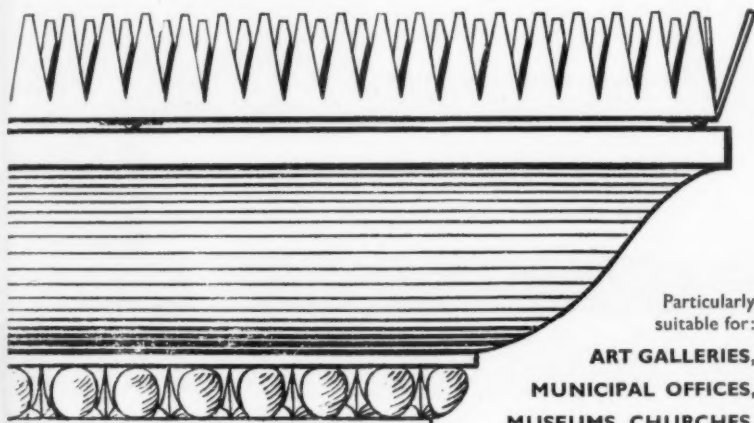


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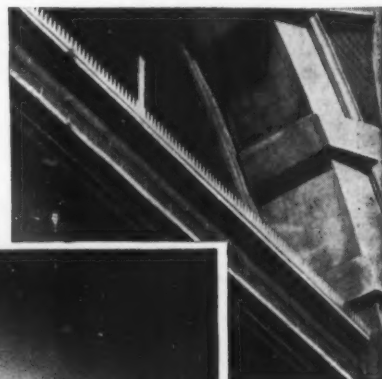
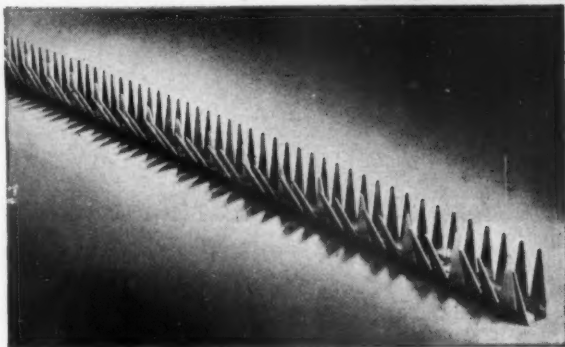
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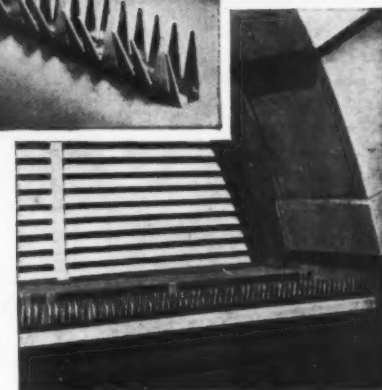
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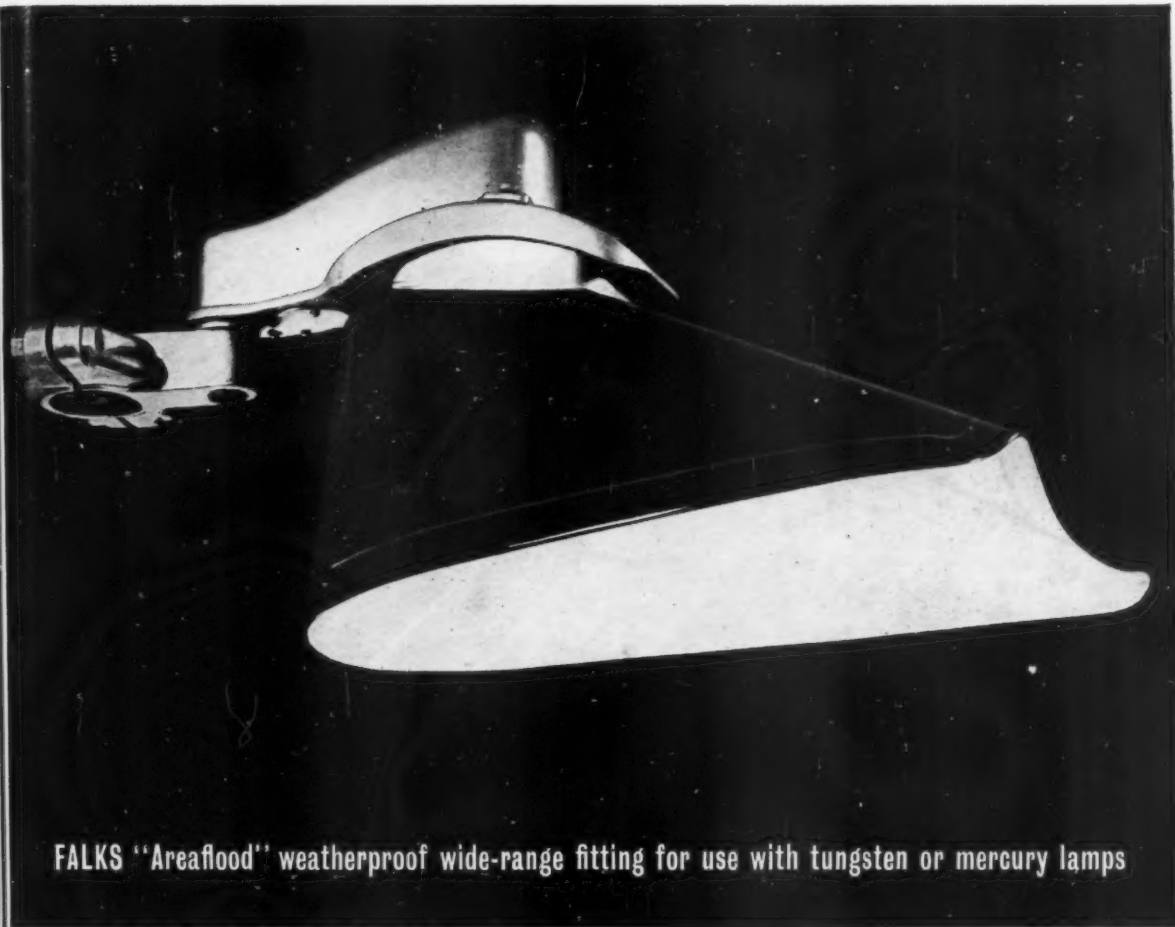
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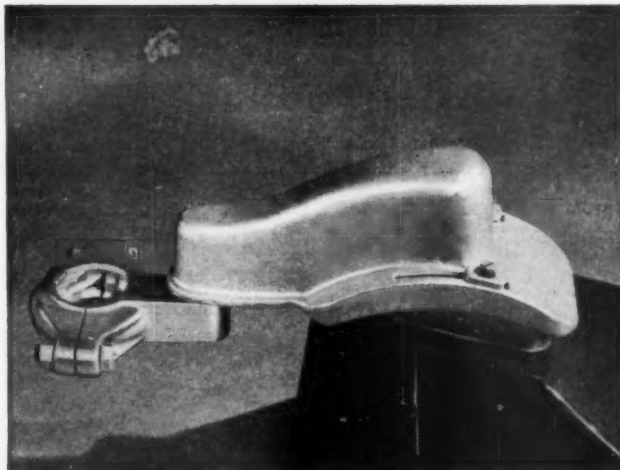
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AT4a Technical details, N.P.L. Report, and extract from Joint Fire Research Organisation report.

ATH2 Radiantly heated by hot water.

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AT7 Module sizes, introduction to Motif Tile.

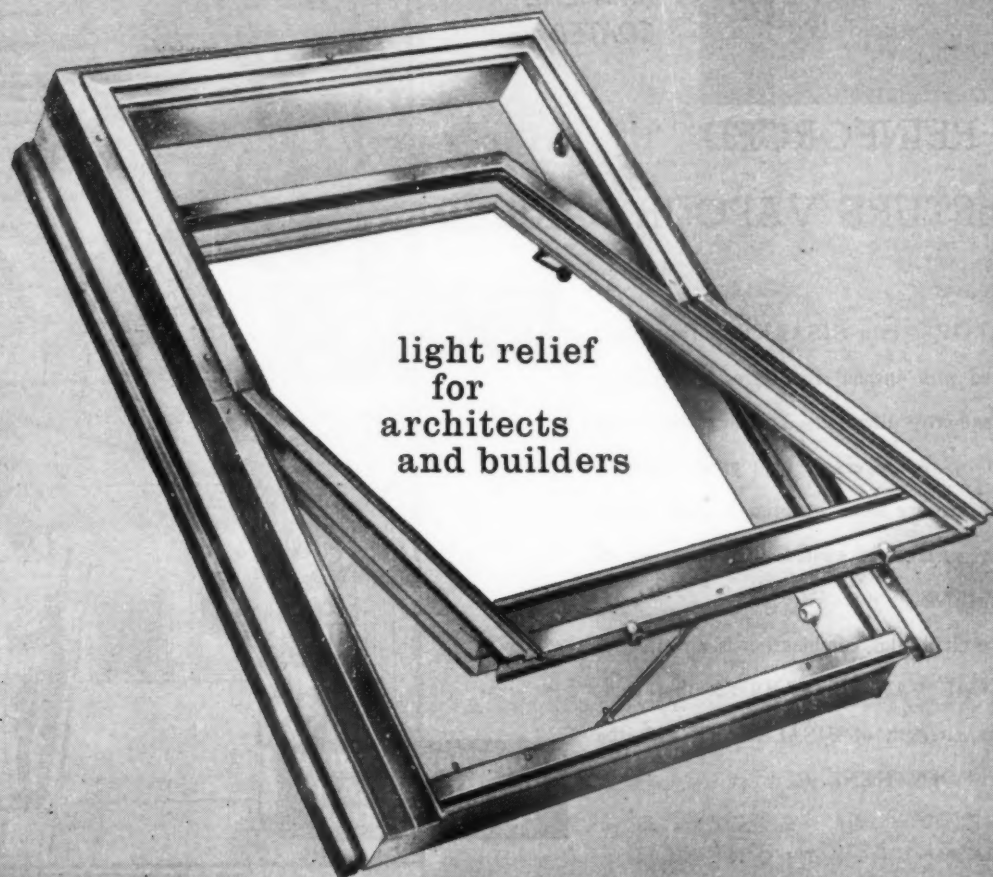
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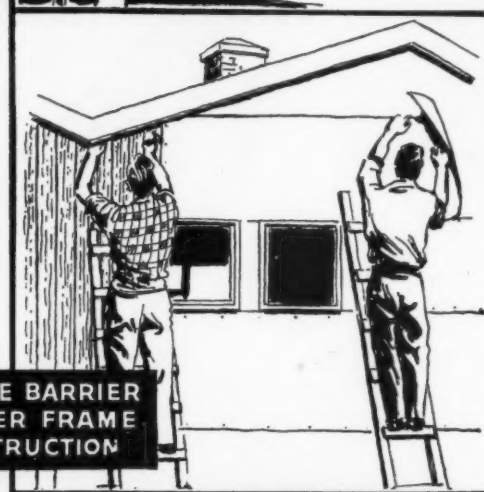
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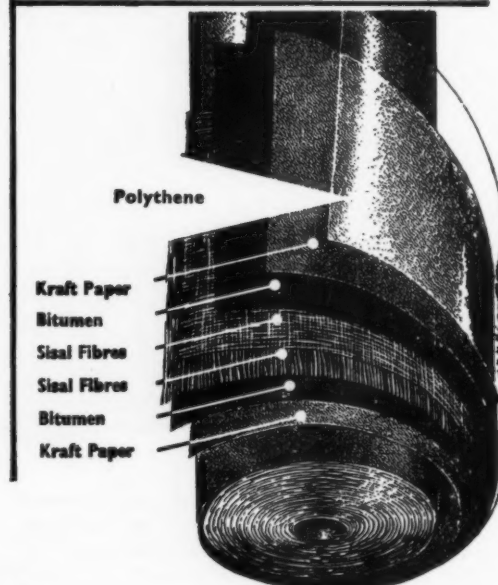
GRAMS: Brickwork Barking



SARKING UNDER
TILES AND SLATES

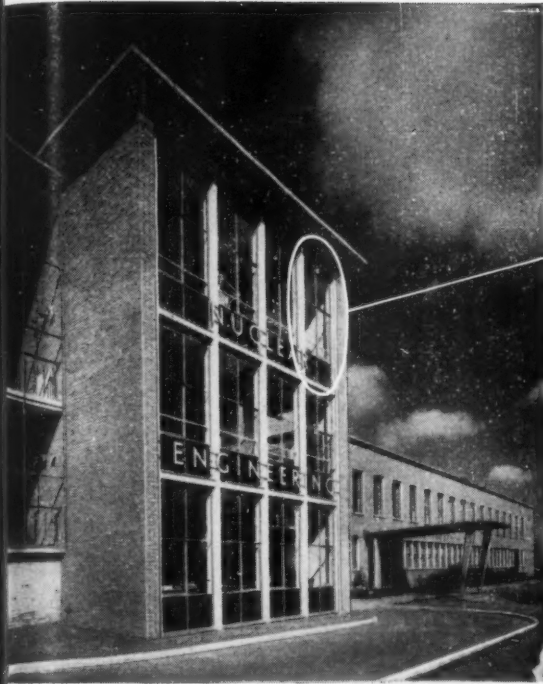


MOISTURE BARRIER
IN TIMBER FRAME
CONSTRUCTION

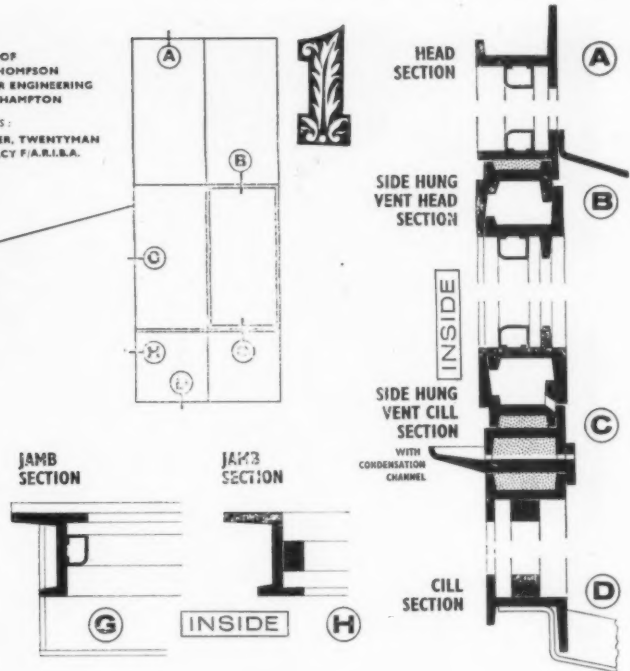


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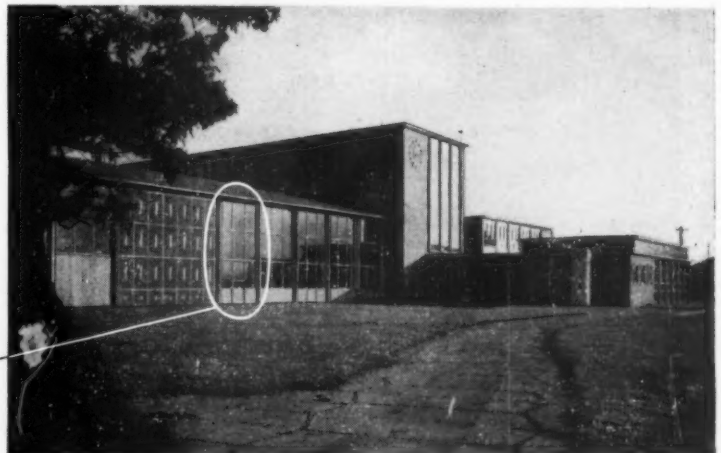
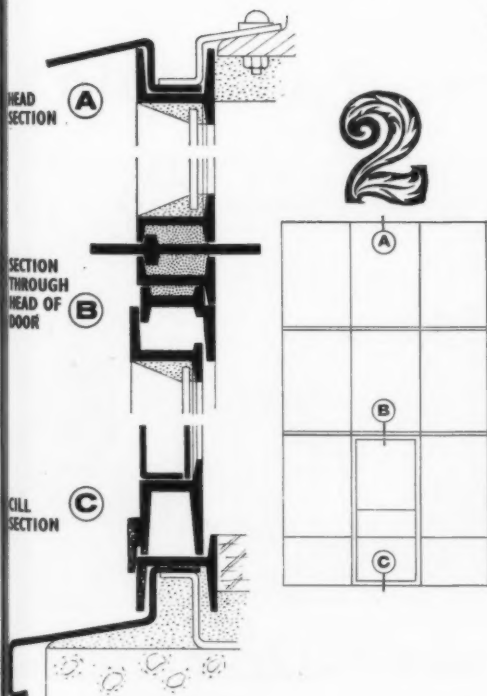
1

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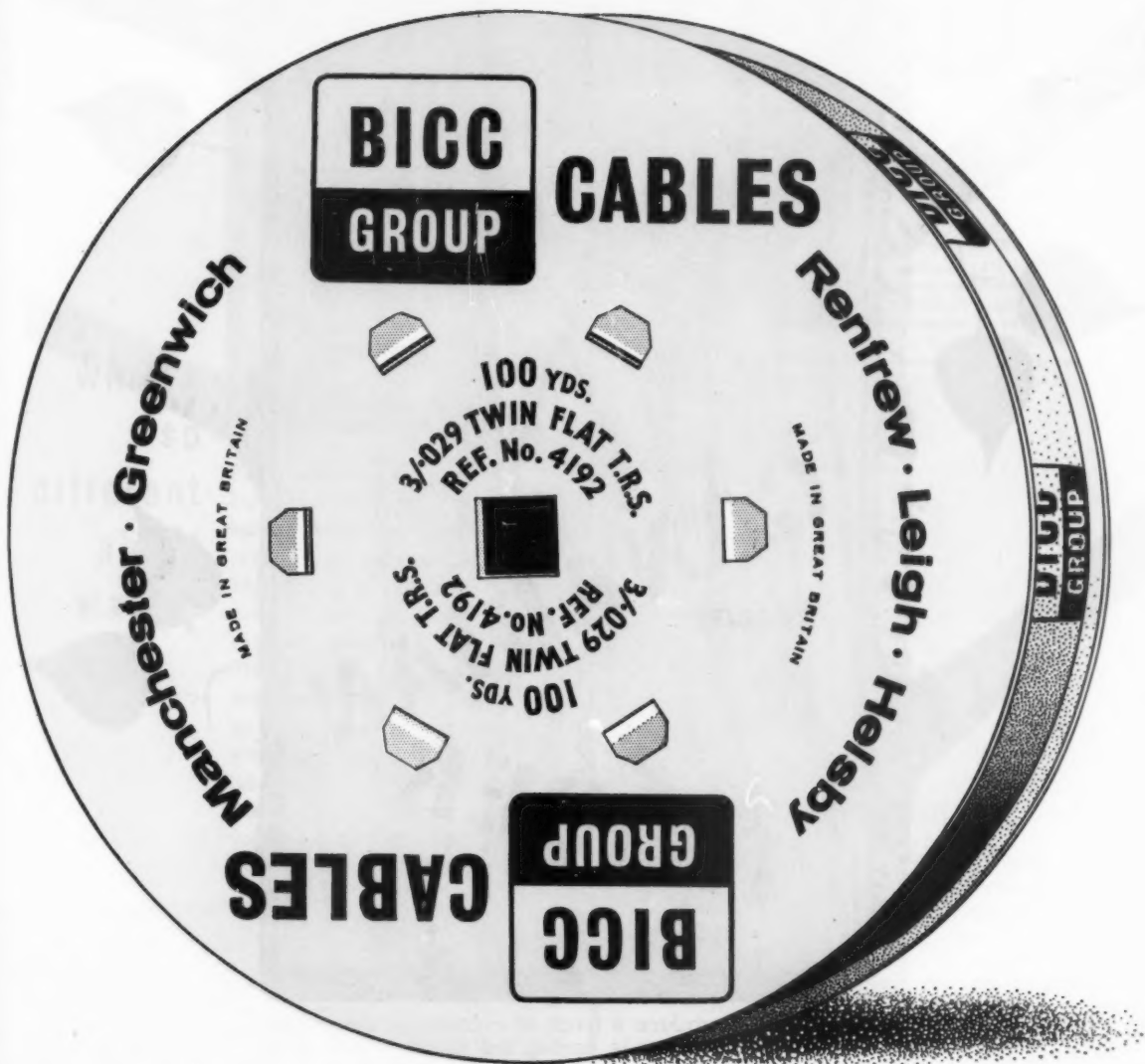
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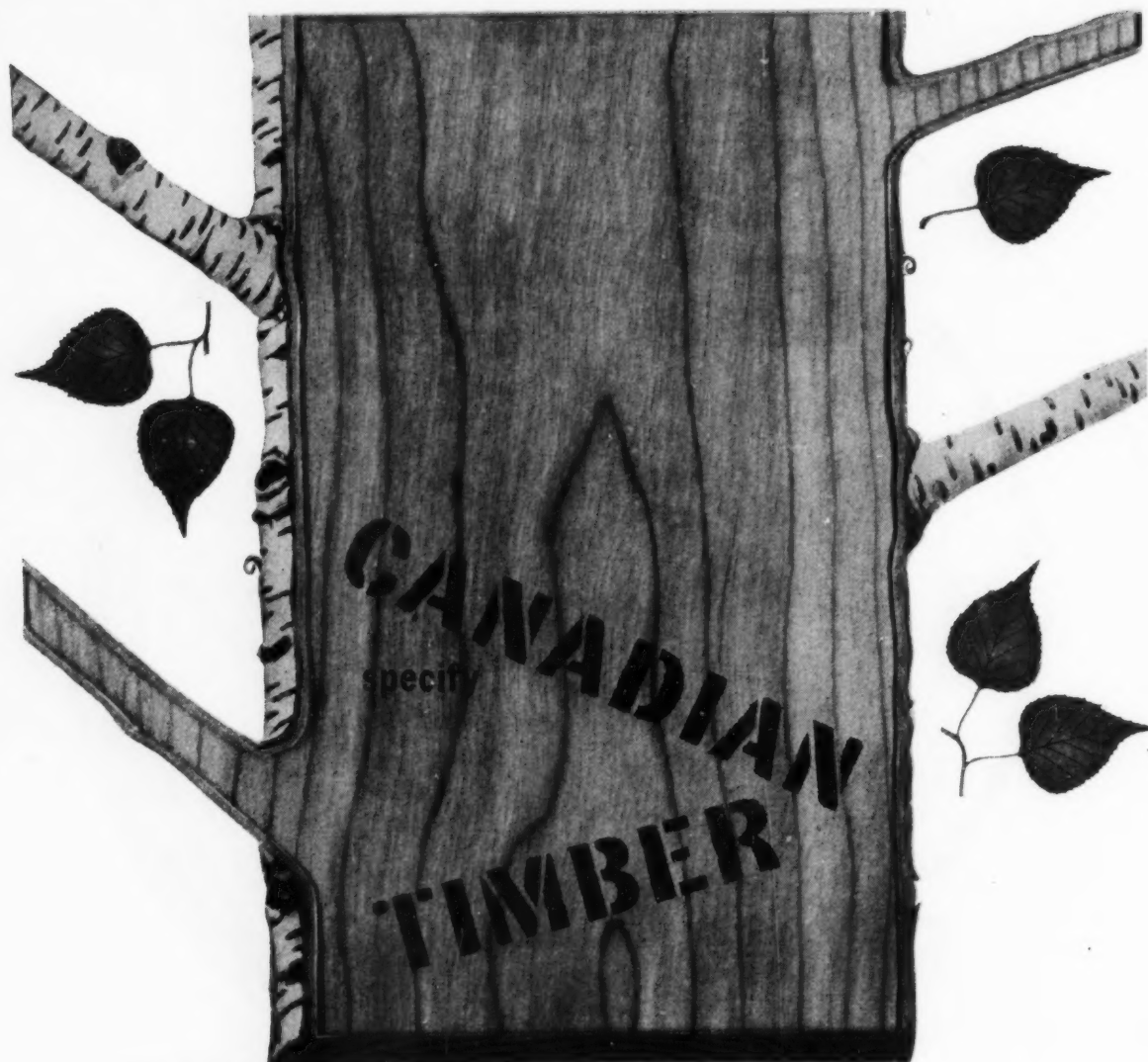
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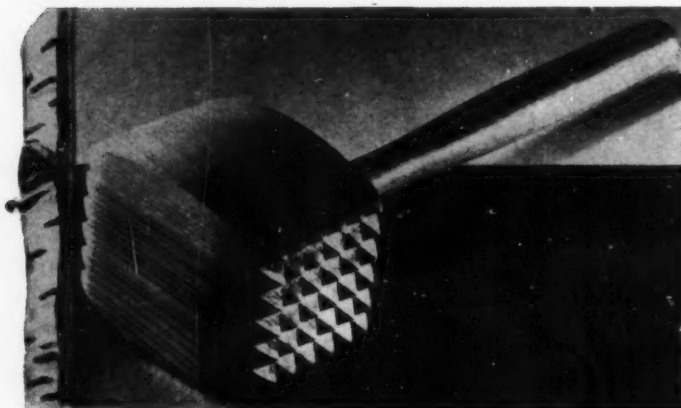
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The Architects' Journal

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CONTENTS

MILAN TRIENNALE 270

No architectural journal has ever reported fully the Milan Triennale. In the past only the most polished pieces have been described and illustrated over here. This year we sent our own correspondent to record and comment on the whole exhibition so that readers can have a rough impression of the much extolled quality of this famous exhibition, and a yardstick by which to measure our own standards.

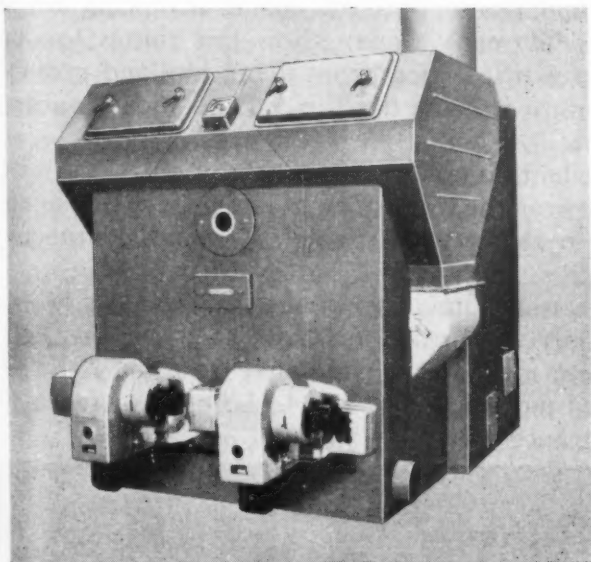
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NEWS 303



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TWELFTH MILAN TRIENNALE

It appears that after the 1957 exhibition the Triennale committee decided that just providing an impeccable exhibition of beautifully designed things was not enough, there must in future be a theme; they must get to grips with some basic problem. The theme chosen for 1960 was The Home and The School and there is no doubt that the Italian designers have taken it seriously (which may account for a rather flat level of display) and hope by the story they tell to bring about some long overdue reforms in Italian schools. It is interesting to see that they have devoted a room in their section to a study of the way the school programme has been tackled in England.

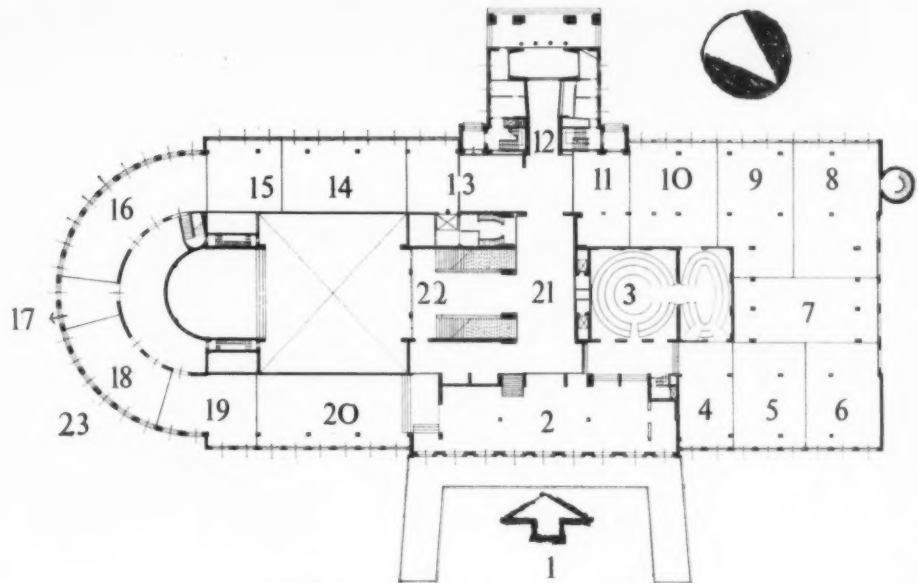
The pity of it is that only a few of the foreign exhibitors, Britain, Mexico, Switzerland, Belgium, have accepted the challenge of the theme and tried to show what is being done about it in their respective countries. Finland and Denmark show beautiful objects beautifully displayed, but that's about all. Sweden, Germany, Japan show fine things too but the standard of display is not what we have grown to expect from them. Holland provides a fascinating film show but nothing whatever to do with the subject and most countries still treat this as just another trade show.

Apart from the main subject, there is an excellent commemorative exhibition of the work of Frank Lloyd Wright and another section showing the work of eight living Italian designers which should be seen by anyone interested in the strange trends of Italian architecture today.

The pictures which follow give some idea of a tour round the exhibition, which is housed almost entirely inside the Palazzo dell'Arte, only the British and American sections being separate buildings outside in the park. This year the Palazzo is entered from the N.E. side and to effect this a large and ingenious stepped mound ↓ has had to be built to reach the necessary level, with a bridge across to the entrance itself.



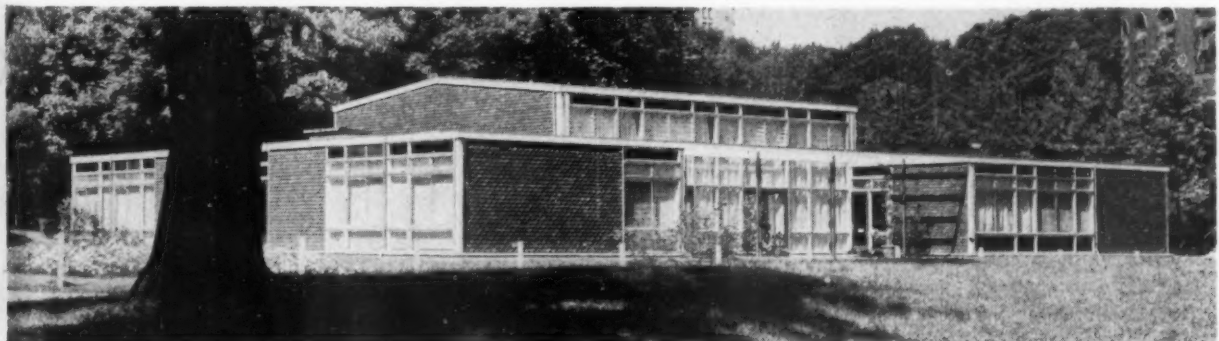
- 1 Approach steps
 - 2 Entrance hall
 - 3 Conference rooms
 - 4 Switzerland
 - 5 Japan
 - 6 Czechoslovakia
 - 7 Belgium
 - 8 Finland
 - 9 Sweden
 - 10 Denmark
 - 11 Norway
 - 12 Olivetti commemoration
 - 13 Design schools
 - 14 France
 - 15 Holland
 - 16 Mexico
 - 17 Britain
 - 18 Austria
 - 19 Poland
 - 20 Germany
 - 21 8 Italian architects
 - 22 Steel and glass utensils
 - 23 USA
- First floor: Italy
Frank Lloyd Wright commemoration.



Ground floor plan of the Palazzo dell'Arte

THE BRITISH EXHIBIT

It has been the disgrace of this country ever since the war that there has been no official exhibit at the Milan Triennale. The Triennale has the reputation of being the most brilliant exhibition of first-class design in the world. Consequently while decrying the British Government's reluctance to support the Triennale many were apprehensive about sending an exhibit lest it look too brash and mundane amongst the sophistication of continental designers. This year, with the theme of the exhibition being *The Home and The School*, many thought that the not entirely negligible British efforts at school building might be worth showing. Once again no official support was forthcoming at first, but eventually the Ministry of Education, certain manufacturers and the architects of Nottingham County Council (Dan Lacey, county architect, Henry Swain, deputy) got together and rushed an exhibit through. This exhibit is a small CLASP school. It now stands, immaculately landscaped, in the park alongside the Palazzo dell'Arte which contains the main exhibition. To many people, one hears, it is the best exhibit there. It is not pretentious, not ultra-sophisticated. It is a very competent piece of architectural design, first-rate as an educational environment and excellent in terms of value for money. It is also part of a growing programme of prefabricated building components. Prophets go unhonoured in their own country, but it still seems strange that such a conspicuous success in the development of a quick, flexible building system should attract the support of only a handful of educational authorities known as CLASP and should be rivalled by no other system developed by such progressives as, say, the LCC and Herts. It gets praise, we learn, in Italy, but not enough here, and certainly no emulation. Consequently we give considerable space in this issue to this ↓ remarkable example of twentieth-century vernacular architecture.



ENTRANCE HALL

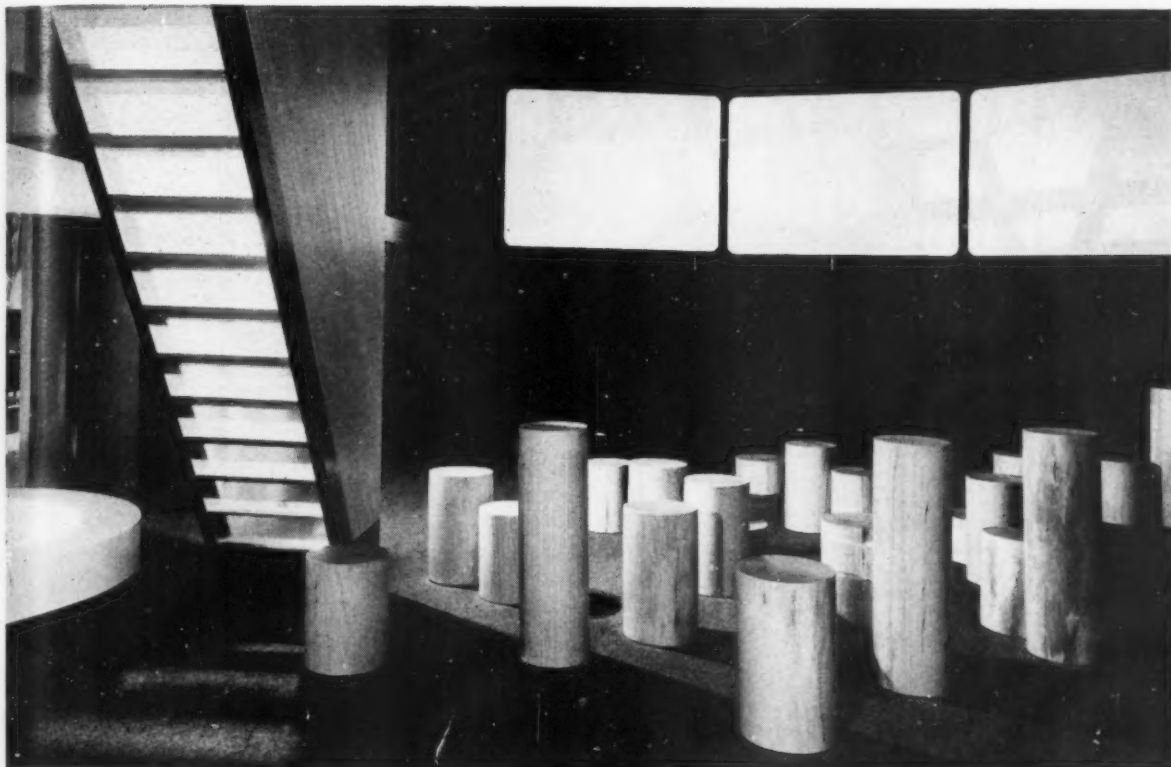


ETTORE SOTTASS. Timber walls with insets of stained wood ; red, orange, black, yellow, white, reminiscent of children's play bricks. Tile mural by Sottsass. Daylight diffused by stretched white fabric. Cylindrical plastic light fittings horizontally mounted.

B.B.P.R., display by CEREGHINI, MAZZOTTI, ORSI, GILDA ROSA. Two small linked conference rooms, one circular, one oval. Display of plates, cutlery in oak-faced ply cases round the walls with strange interlocking toothed detail to corners and around lighting cornice above—all rather tattily constructed. Moulded ply seats with black upholstery. Grey felt carpeting.

CONFERENCE ROOMS





SWITZERLAND

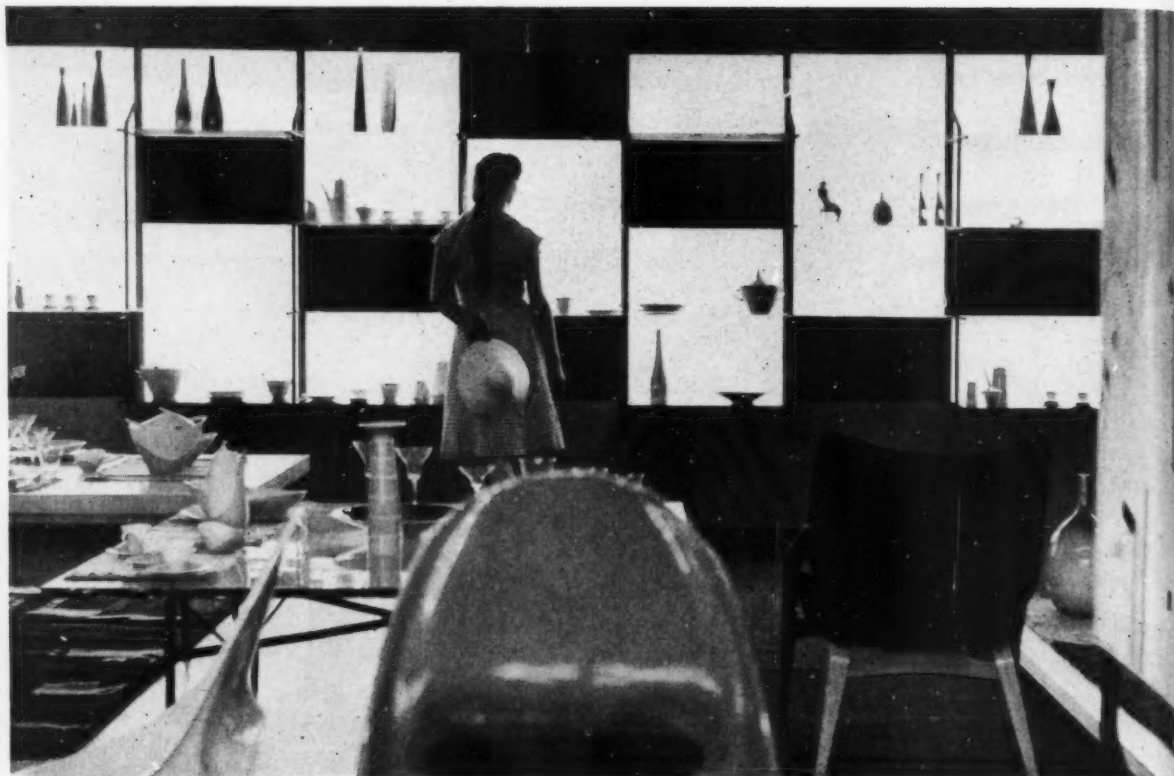
GEORGES BRERA, PAUL WALTENSPUHL. A small, informally arranged, cinema with 3 screens which are ingeniously used to tell the story of Swiss schools and schoolchildren. On black and white film and technically a brilliant show (photographs by Fernand Reymond and Adrian Porchet). The seating an informal grouping of columns of varying height on which the audience either sit or lean and which allows them to drift in and out as they please.

JUNZO SAKAKURA. Three square, floating platforms (wood frame and surfaced with grey or brown tiles) raised at different heights over a floor of loose pebbles: the walls covered with giant photostats in grey and white. On the platforms and floor are displayed some mouth-watering examples of Japanese industrial design; cigarette-packet-sized transistor sets, match-box-sized cameras, etc. Though the familiar idiom of pebbles contrasted with slick mechanisms, straw mats, white flowers, etc., is here, this is a confused display by Japanese standards. All the same this is one of the better sections.



JAPAN

CZECHOSLOVAKIA



JAN NOTEK and IVAN SOVA. This is very much the department store technique; glass, china, fabrics. Though the glass especially is worth looking at, the display is unattractive and there is little here directly related to home or school, especially the latter.

A. CONSTANT has mounted a visually exciting display on the theme of The School, complete with *background musique concrete* (pity the attendants). It is entered by climbing a series of wedge-shaped platforms bounded by screens—brightly coloured blow-ups of children's drawings, and diagrams, over a floor of loose, broken slates. Part of a typical

BELGIUM





BELGIUM

Belgian school is shown. The school furniture is either fabulously expensive looking stuff with stainless steel frames and hardwood tops or moulded ply with a plastic top of unpleasing design. The way the desk tops fit together is ingenious but with a book shelf between top and leg space it must be difficult for the children to sit correctly.



BELGIUM

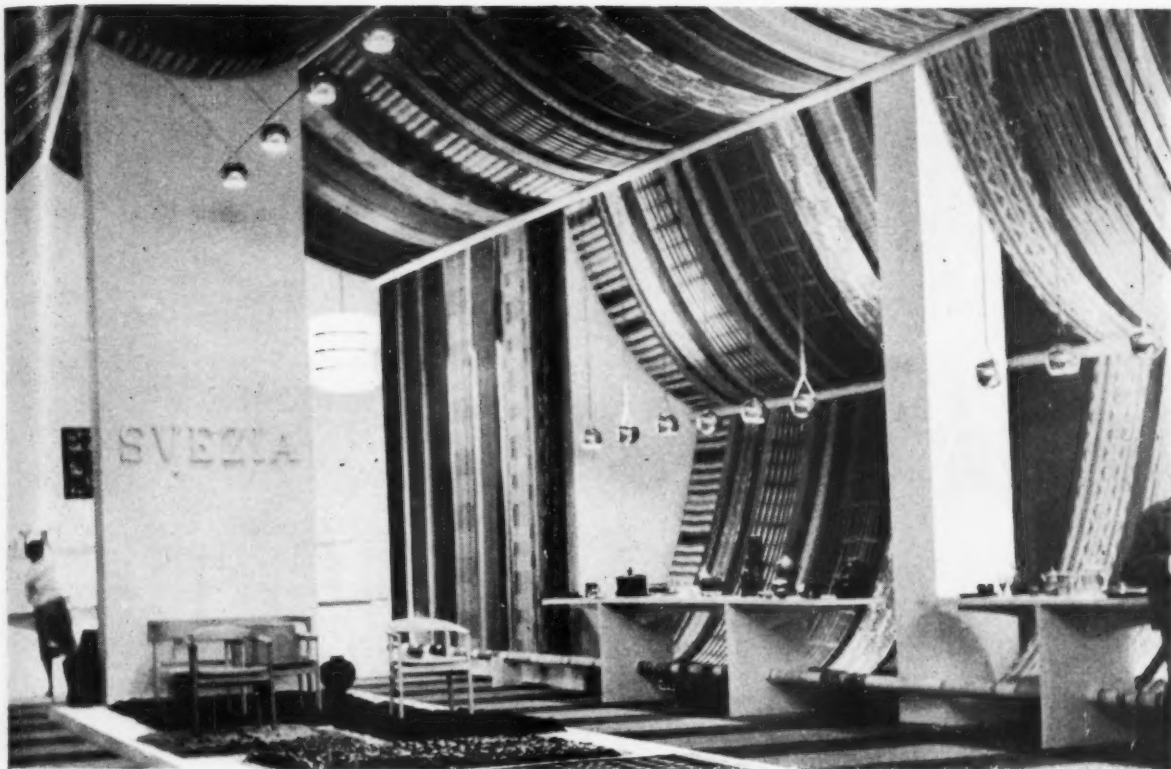
FINLAND



A. NARMESNIEMI. This again is only a display of light fittings, furniture, etc., but superbly done. In a large room, white save for a very grainy photomural landscape, the uncrowded exhibits are beautifully shown in a typically Finnish way. Fabrics stretched on huge square panels hang from the ceiling. Pottery, glass, cutlery and rugs displayed on square slabs on square box bases of the same size as fabric panels. The light fittings are by Lisa Johansson-Pape above left, and Yki Nummi. This section is a model of its kind. Beautiful objects beautifully displayed.

FINLAND



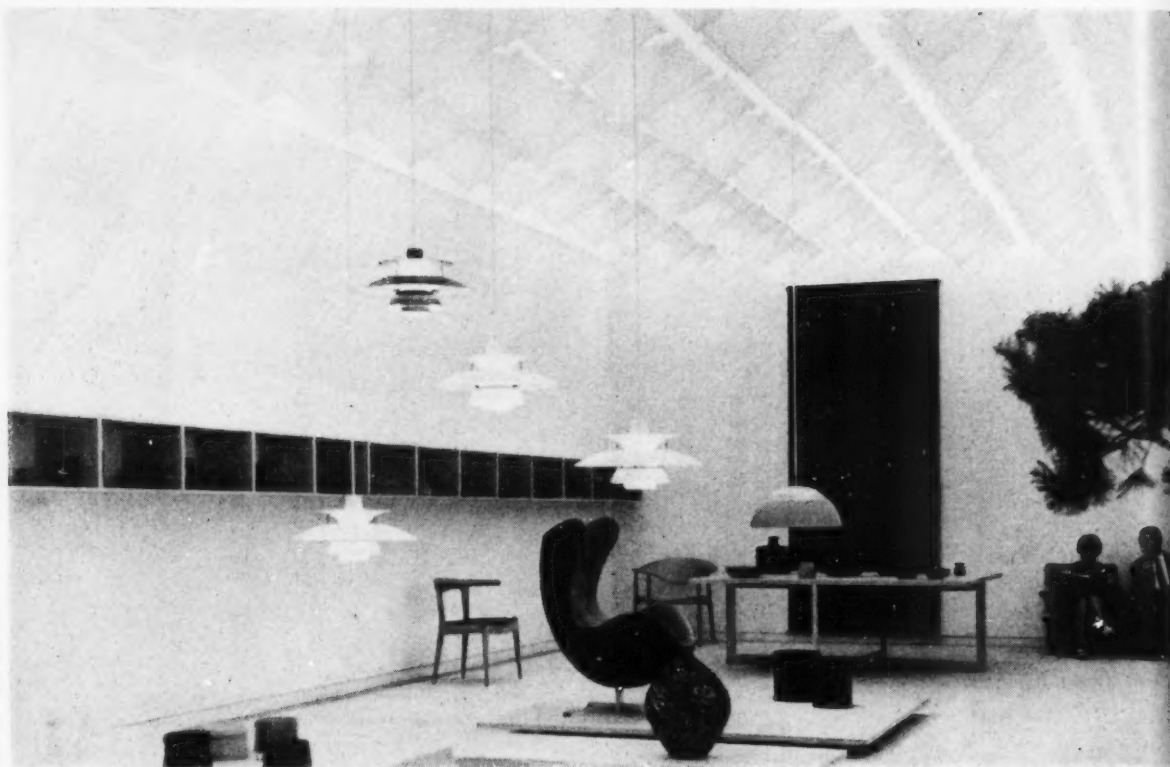


HANS ASPLUND. This is a disappointment—the drapery showroom *par excellence*. There are some attractive things on view such as a beech chair by Carl-Axel Acking, but the only reference to schools is one or two photographs very unimaginatively displayed. This is particularly unfortunate in view of the excellent school designs which surely could have been shown here.

Chair by Carl-Axel Acking.



DENMARK



POUL KJAERHOLM. This is quite up to what you would expect and is the most beautifully lit display. The soft quality of the light is achieved by a suspended ceiling of inverted paper pyramids hanging on stretched cords, with lighting above. The tan leather chair is by Arne Jacobsen. Information on schools is limited to photographs—two typical Arne Jacobsen schools in densely populated suburbs of Copenhagen.

The magnificent light fitting, like some exotic flower, is by Poul Henningsen.

DENMARK





ODD BROCHMANN. Schools again are only shown by photographs, but the presentation is imaginative here. Display units of roughly pared white wood uprights and slotted glass shelves. Very fine cutlery, glass, etc., rich and dark colours.

The next section, not illustrated here, is a commemorative exhibition of Adriano Olivetti. Designed by EGIDIO BONFANTE, it is a straightforward display of large, back-lit colour transparencies, mounted on a frame of steel box sections.

DECORATION



VIGANÒ, COLOMBO. This is a piece of brutalist display—photographs, drawings, pieces of mosaic murals laid flat on the floor and lit by hollow metal posts against a background of rough brickwork and oiled steel stanchions.

Photographs of Ulm mounted on curved steel sheets and, beyond, an attractive circular display unit by the Royal College of Art (FRANK HEIGHT) with an interesting little show of some of the work produced.

DESIGN SCHOOLS

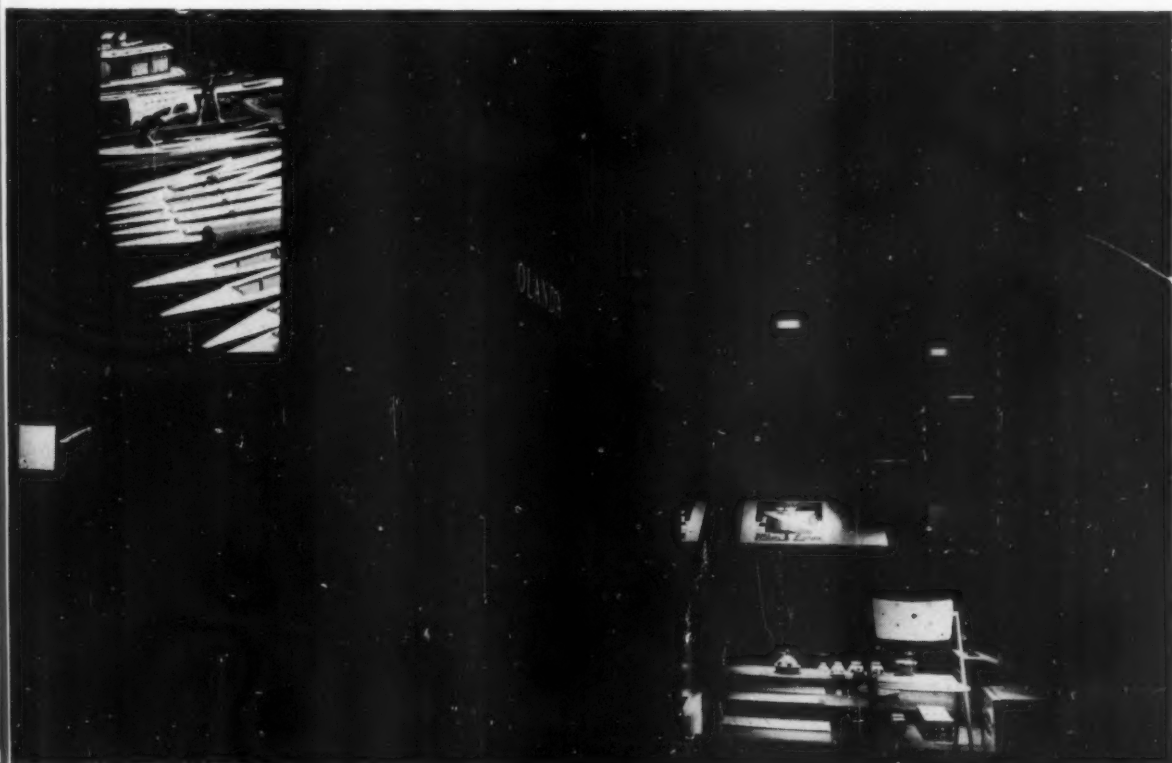




FRANCE

RENÉ HERBST. The showroom approach again and not very well done.

OYEVAAR, STOLLE, VAN GOOL. Another cinema, but this time showing giant colour stills on two screens at right angles to each other, and watched from a raised platform. It has nothing to do with the theme but is a brilliant piece of showmanship. The pictures do not change in sequence so the spectator is prevented from getting Wimbledon neck, but at the same time he is kept on the hop. The impact of the pictures is terrific and this is increased by the click, clackety, clock of the projectors.



HOLLAND

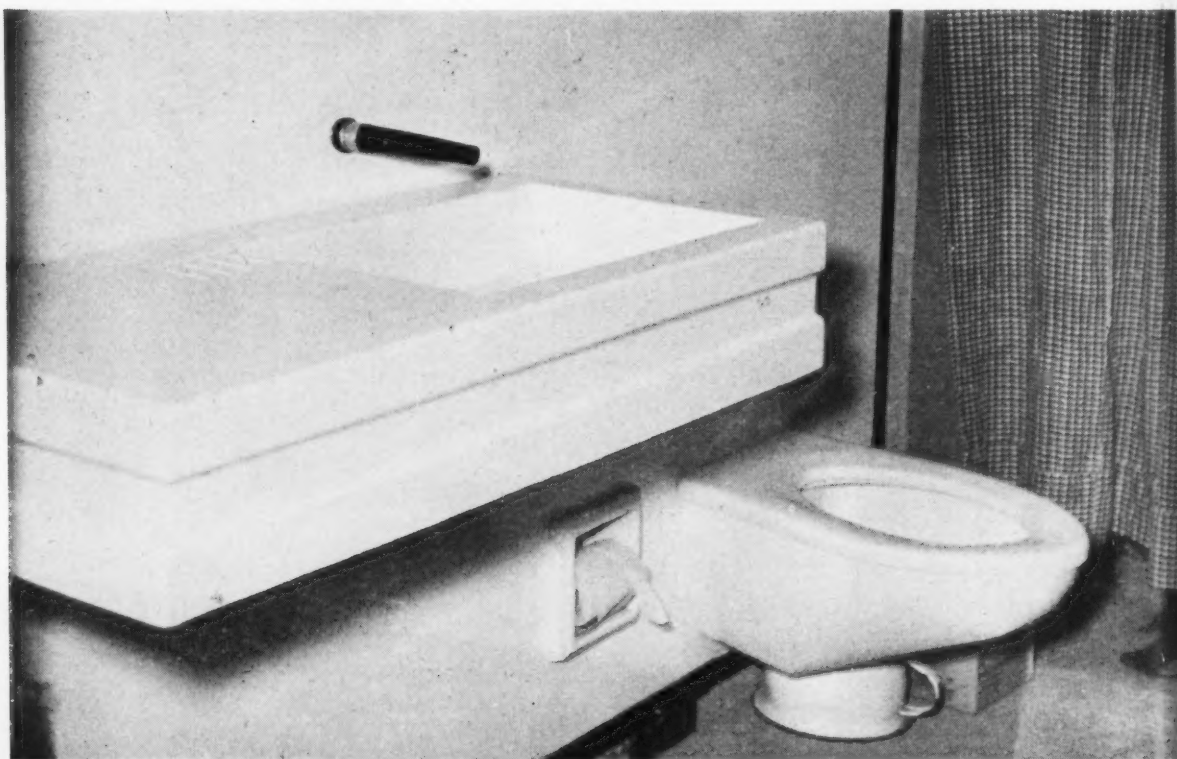
MEXICO



J. SALAZAR PORTILLO. This section is very impressive. Here are no luxury furnishings, no tricks but a story simply and clearly told: that of providing prefabricated, 50-place classrooms, complete with a teachers house alongside, for rock bottom conditions. This type of building of simple construction, which the Mexicans claim is being produced at the rate of 2,000 a year, is the result of combined research by teachers, architects, and engineers. The whole structural unit can be transported in a single truck and every item is carefully thought out. For instance, the windows, of grooved plastic and printed with transparent pictures, are a modern version of stained glass, being part of the teaching material.

The plastic plumbing is ingenious. Water is pumped into a light plastic cistern fixed on the roof, which feeds by gravity a smaller cistern in the dividing wall in the house, from which a plastic sink projects on one side and a plastic WC pan and wash basin on the other, shown here. Apart from waste pipes there is no other plumbing.

MEXICO





MEXICO

A classroom in occupation—in Mexico, not Milan. The 30 × 20 ft. classroom can be divided in three by movable partitions, to separate age groups when necessary. Twin skin plastic sheeting fits the window frames and vivid pictures can be placed between these, combining decoration with simple teaching aids. Mexican patriots, plants, birds, and diagrams all figure in the school on show.

The steel columns have a base plate for bolting to foundation pads and all structural members are pre-drilled for bolting. The roof is a simple king post with steel tie and post and rafters made of rectangular box beams bolted at the ridge. The School was designed by Pedro Ramírez Vázquez.



MEXICO

The British exhibit (W. D. LACEY, display by JAMES GARDNER) starts with a small introductory section in the Palazzo, giving facts and figures about the British school building programme. Very effective use is made of colour transparencies on a revolving drum. Figures which really tell are:

in 1948 the cost per school place was £320

at this rate, allowing for increased cost of materials, the cost in 1960 should be £550

BUT by design economy the actual cost is £260

The school seen from the Palazzo

BRITAIN



ctory This introduces the main exhibit, a full size primary school, built on the CLASP
 mme. prefabricated system used for over 100 schools during the last three years. The school
 which is reached by a bridge. It is certainly impressive to see what the figures shown opposite
 can mean in terms of actual building. The school has settled down well into its park
 surroundings and is attractively landscaped.

The entrance to the school.



BRITAIN

BRITAIN



The school from the north-east showing the loggia.

Corner detail.

BRITAIN





BRITAIN

Typical classroom. The display is perhaps rather overdone and tends to hide the simplicity of the structure.

Detail of side entrance.



BRITAIN

BRITAIN



Wash basin units and cupboards.

Ass



BRITAIN

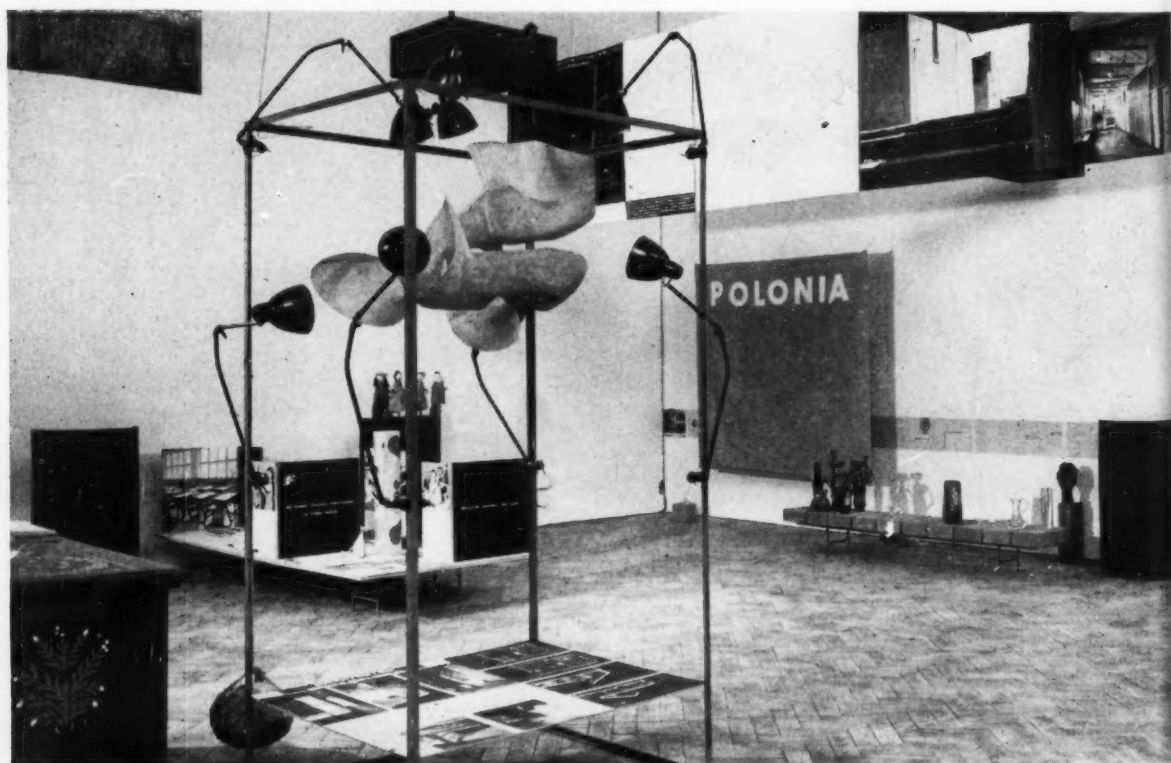
Assembly hall. The ceiling painting is by Fred Millett.

AUSTRIA



NORBERT SCHLESINGER. This is a most depressing display, especially coming after the last two, and seems quite out of touch with reality.

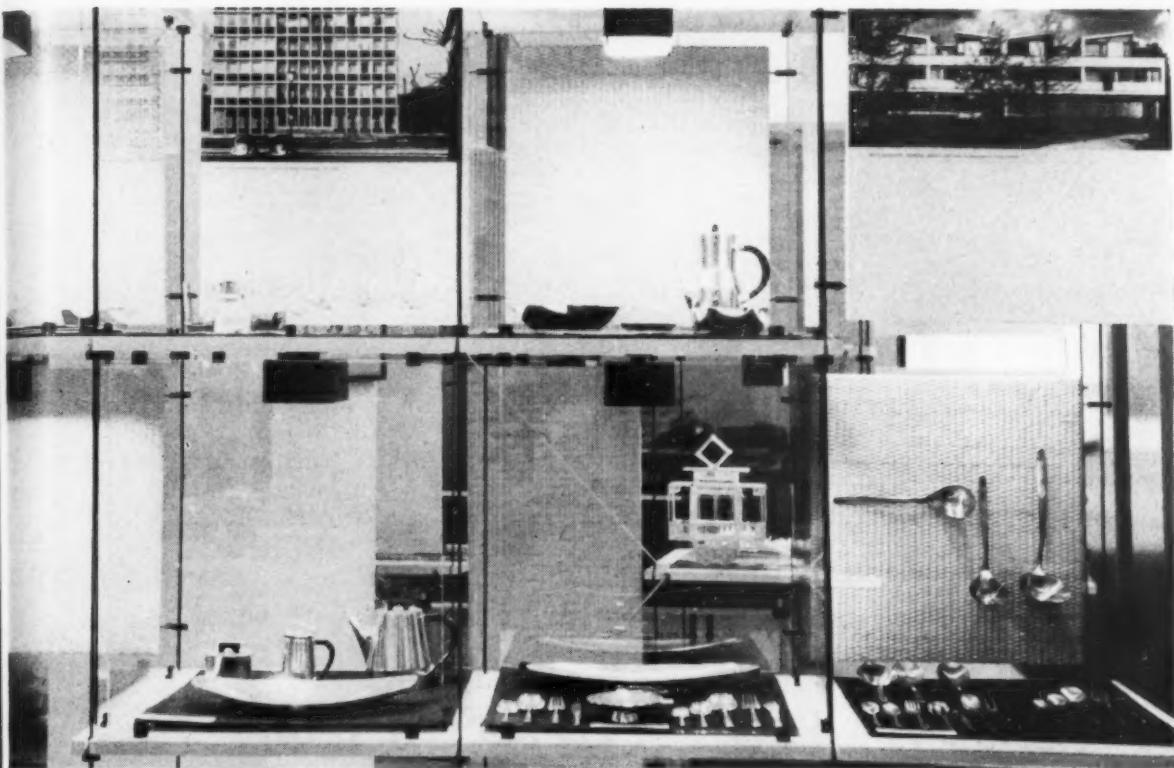
POLAND



OSKAR HANSEN. This is almost as bad as Austria, with fearful twisted cane and metal chairs and weird exhibits like this one.

This
Many
preci

Left:
draw
Carlo
Right
objec

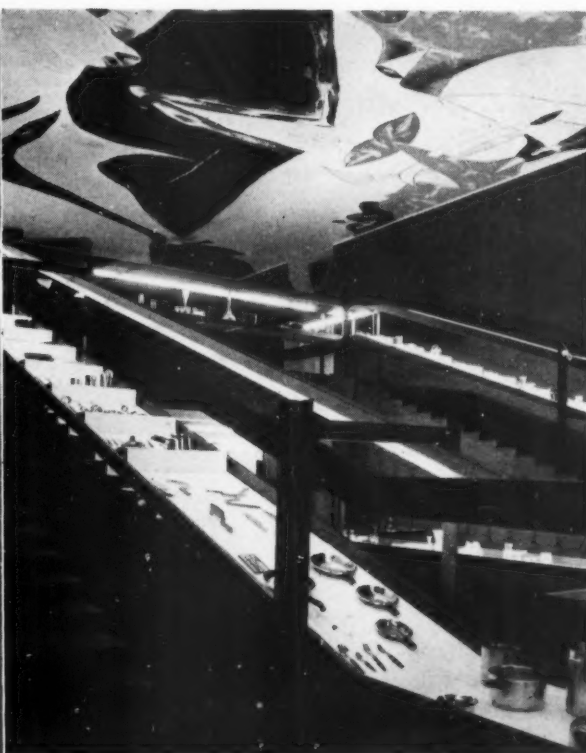


GERMANY

This is rather a mediocre display from the country which provided such an outstanding pavilion at the Brussels Expo 58. Many of the things shown are, of course, well designed and the system of display shelving is neat and done with the precision it requires.

Left: SOTTASS and DARANZATI. A very simple and effectively mounted exhibition of photographs, models, working drawings, illustrating the work of Franco Albini, Luigi Figini and Gino Pollini, Pietro Lingeri, Giovanni Michelucci, Carlo Mollino, Ludovico Quaroni, Mario Ridolfi and Carlo Scarpa. This is a most interesting section.

Right: ALBINI and JAY DOBLIN. A clever adaptation of existing stairway to show an interesting collection of household objects in steel and glass.



ITALY

Nearly the whole of the first floor is devoted to the Italian section on the theme of "The Home and the School." This is first introduced in a sinister manner which seems quite out of keeping with the subject illustrated on a curved screen in a dim greenish yellow light; the room "peopled" with a semi-circle of the weirdest chairs imaginable. From here we enter large galleries where the problems and possible solutions are set out in a series of mandarin red showcases.

This display shows, unintentionally, the disturbing effect visually of complex tubular legs to school furniture and also the inadequacy in educational terms of Italian classrooms.

ITALY

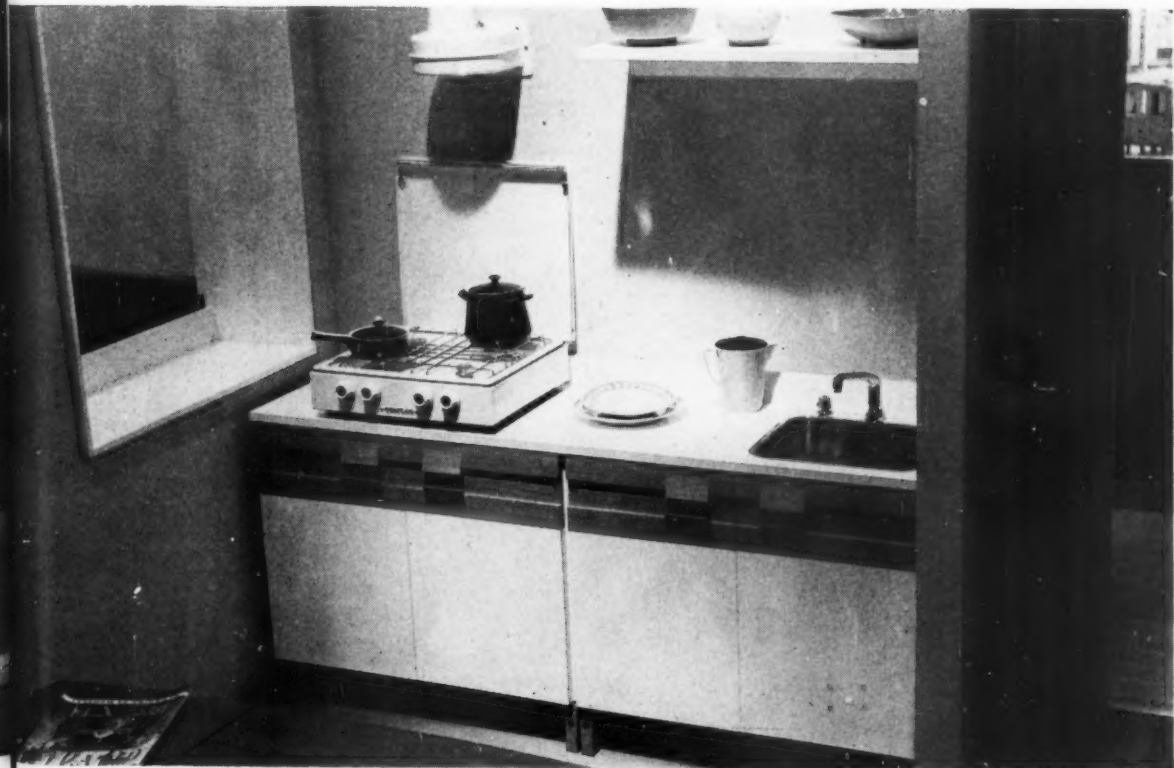




ITALY

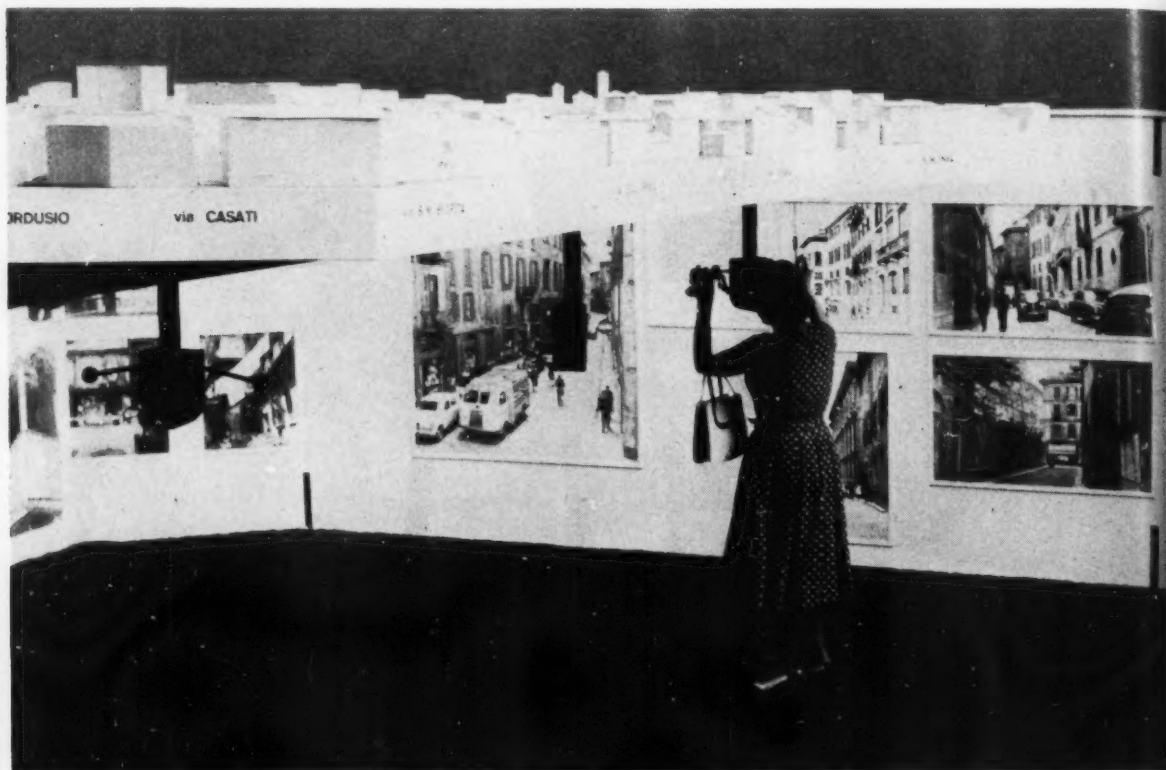
Pressed metal chair by MARCO ZANUSO and RICHARD SAPPER.

This very clearly designed kitchen unit is faced in white Formica and has adjustable legs.



ITALY

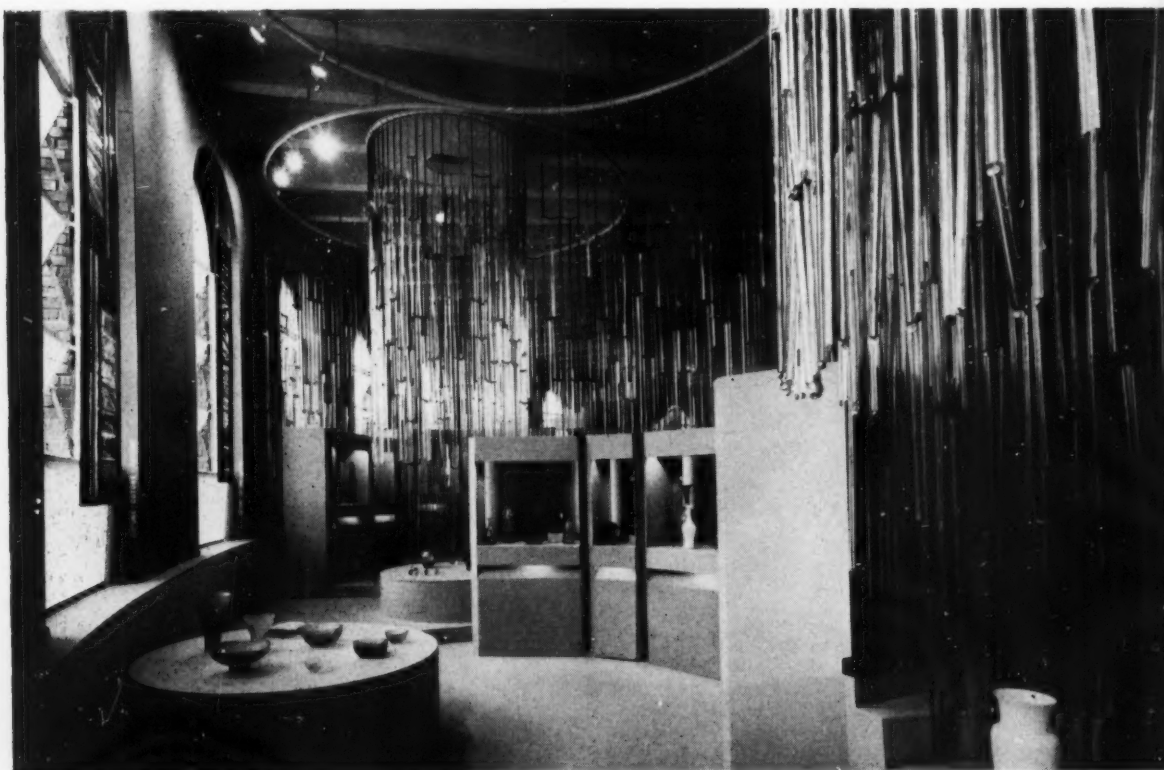
ITALY



Perhaps the most interesting exhibit is this townscape study for the oldest part of Milan. The scheme itself is good and the way it is shown is brilliant. A model of the area is suspended over a pit into which the spectator can descend and view through periscopes the ground level aspects of the scheme. Around the walls the project is illustrated and captioned. The designer is FRANCESCO GNECCHI, with MORI, SANTI and BORACHIA.

There is a small exhibition (ROBERTO MENGHI) of the work of Venini surrounded by a curtain of glass tubing.

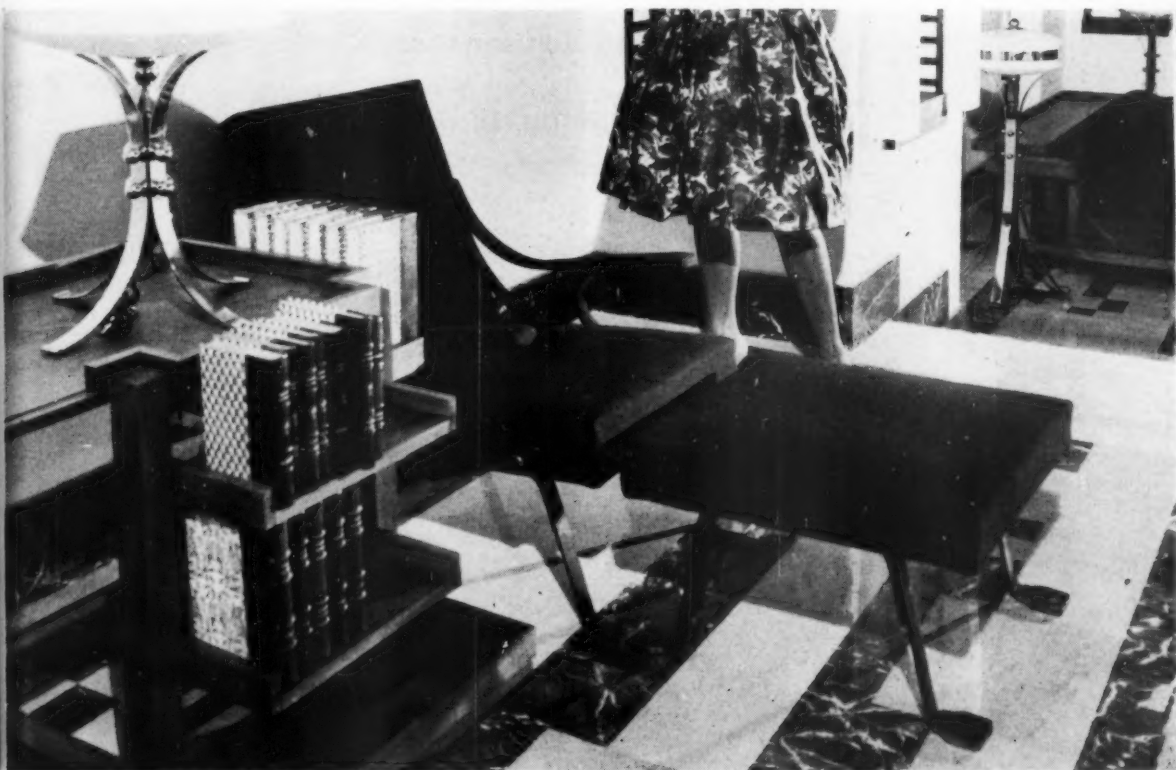
ITALY






ITALY

In the last half of the Italian section the design becomes more and more bizarre. Note the striped bookshelves and tiled floor unit (FREDI DRUGMAN) in this interior. Whilst in this apartment by GAE AULENTI, we get the full neo-liberty treatment.



ITALY



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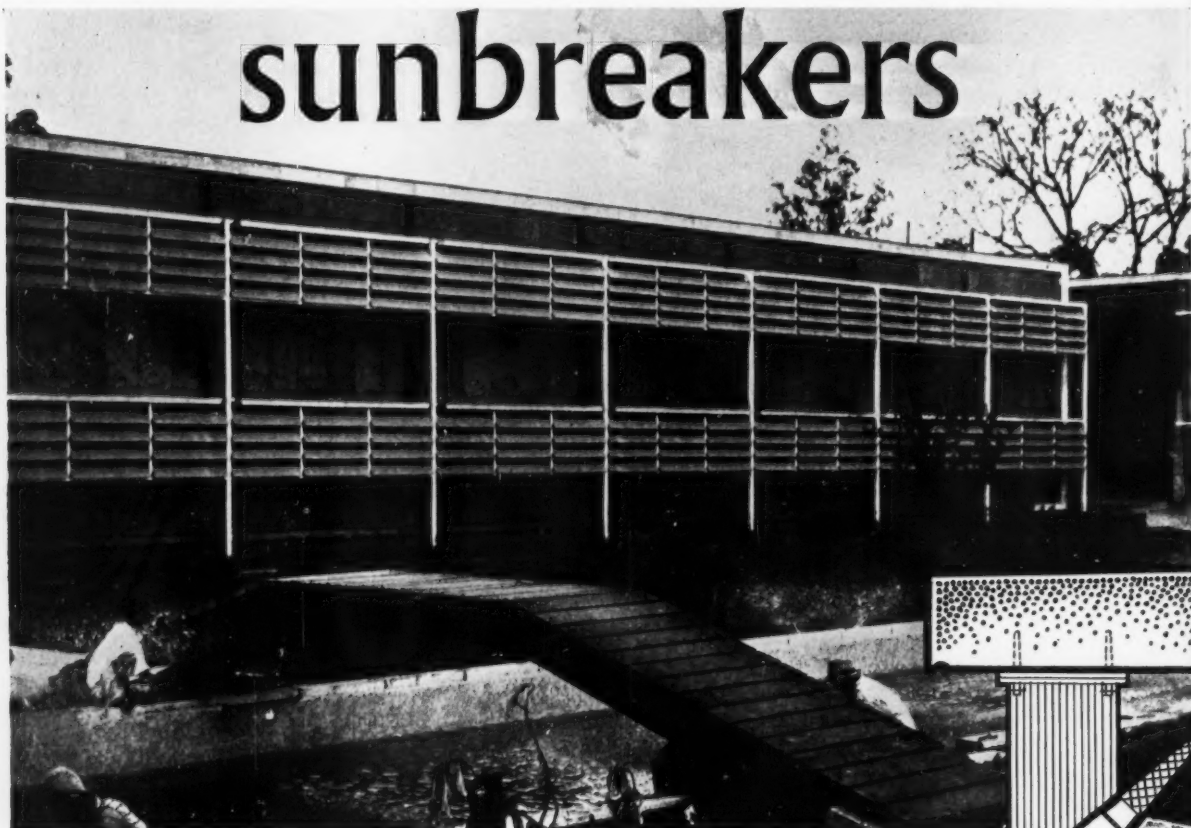
FRANK LLOYD WRIGHT

The last section is the commemorative exhibition of the work of Frank Lloyd Wright (CARLO SCARPA) which is a very impressive show. Huge photo enlargement on screens, stereoscopic colour slides and a cinema. The display is roofed by a tented ceiling of white fabric which diffuses the light.



FRANK LLOYD WRIGHT

HOPE'S aluminium sunbreakers



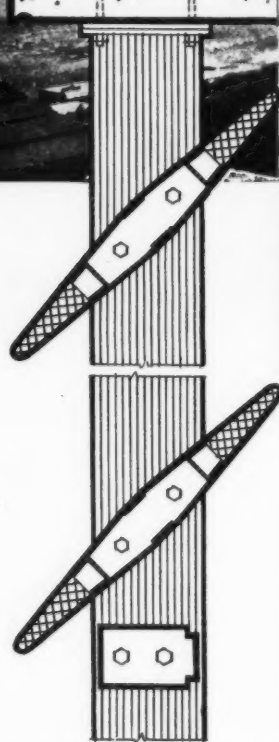
UNITED STATES EMBASSY, DJAKARTA, INDONESIA

Architects: Raymond and Rado, New York.

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The American section is displayed outside the Palazzo in an aluminium house by ALCOA. This was still unfinished a week after the opening of the exhibition, but promises to be interesting. Designed by JOHN MATTHIAS, it is a cruciform building with a folded roof. A centre core contains storage and bath, etc., and also the air conditioning equipment, and the arms of the cross are the four main rooms with open-air extensions for outside living. Walls and roof are formed of a structural sandwich of foamed polystyrene sheathed in aluminium so that insulation is integral.

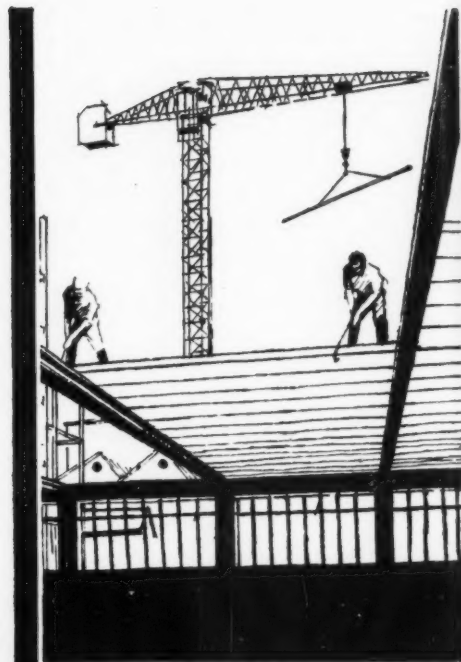
INDUSTRIAL ROOFING WELCOMES THE

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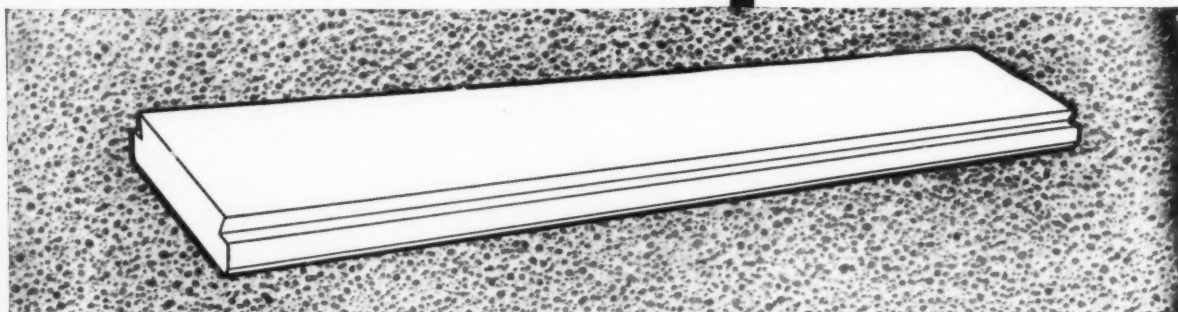
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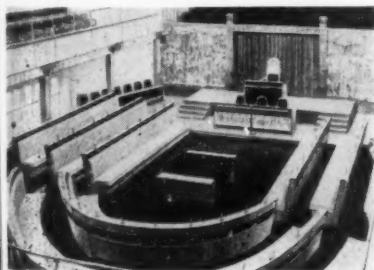
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ASTRAGAL, moving about in the maze of tubular scaffolding which supports the 298 entries for the Liverpool Cathedral Competition, was interested to notice how similarly most of the competitors had viewed their task, and how like in conception most of their efforts were to the design selected. With a few honourable (and quite unpromised) exceptions nearly all regarded the occasion as the artist-architect's holiday from the rigours of modern architecture.

ASTRAGAL is suspicious of this attitude because he feels that it takes religious architecture out of the serious human context where it belongs. The attitude "this is a religious building with few quantitative data to satisfy, let's have *fun*, chaps," produces a fair-ground concept which seems wholly inappropriate. The winning design was the best of those who worked in this rich imaginative vein.

Ghana's National Assembly Hall—by Catesbys. See "Ghana's Golders Green".



Incidentally is it not rather mean of the sponsors not to show *all* the designs in Central London? In all architectural competitions the sponsors owe a heavy debt of gratitude to the unsuccessful competitors. In this case each must have spent at least £200 in unfruitful effort. The least return that the sponsors can make is to give all—not just those of which the assessors approve—a proper public showing. This, in our society, means London, not Liverpool; Central London, not Wimbledon. The Building Centre has no space for so many, but what about the RIBA? After all, what is 66, Portland Place for?

ILL WIND OF CHANGE

Talking of competitions, I was glad to see that the AJ got backing for its criticism of the Cardiff hospital winner in a leader in *The Times* the other day. The writer mentioned mistakes in several other recently-completed hospitals and said there was no reason why the Ministry of Health shouldn't be able to say what accommodation was needed for a hospital of any specified size and purpose. "If standardisation of schools has proved possible," he said, "that of hospitals should be feasible too."

EDUCATING ITALY

Britain's success in school building, as exhibited at the Milan Triennale, may have had something to do with Italy's decision to spend £150m. on school building over the next ten years. Certainly the progressive Italian educators were hoping their government would be influenced by Britain's demonstration of good results at modest expense. This new Italian project may cure the sickness in modern Italian architecture which Reyner Banham spoke about the other day on the Third programme. Banham said that the sickness was due to the lack of long-term developments and social purpose, and that too many architects sought to express their private artistic personalities only by rejecting their real possibilities. He tells me that despite the formalistic preoccupations of Italians, some of those he has talked to are aware that it is the English philosophy and approach, rather than the English forms, which really matters.

GHANA'S GOLDERS GREEN

Middle-class Ghanaians are going to look terribly Garden Suburb before

long. A new Furnishing Centre in Accra was designed by Catesbys of Tottenham Court Road, in co-operation with Wilton Royal Carpets, Old Bleach Linen, Edinburgh Weavers and so on. I know there is nothing new in the business of a rising people adopting the taste of their outgoing rulers—just look at the knobs and bobbles in Russian interiors. But I can't help hoping that skilled and creative Africans will soon be able to design and furnish their own buildings. It is something of a shock to see that Ghana's national assembly chamber (picture below) looks more like a lush new council chamber in Britain, apart from the carved panelling symbolising the "Birth of the Nation," by a Ghanaian sculptor Kofi Antubam. It is dignified and no doubt comfortable. But I am amused to read that the horse-shoe shape of the Council table was planned "to give expression to the new Republican constitution, for which there were no precedents." It was this shape which Churchill once attacked because he said it would make stable government impossible. His reason? It would allow the don't-knows to merge Right and Left round the bend.

HONOUR WITHOUT PROFIT

The men who preside over town planning inquiries have an enormous responsibility. After sifting a lot of complicated and conflicting evidence, they make recommendations which may alter thousands of lives and influence the spending of millions of pounds. I suppose it was stupid of me, but I always thought such men were paid well for doing their jobs—perhaps as well as a High Court Judge. But an MOHLG advertisement shows that even a senior planning inspector gets only £2,120 at a minimum age of 50. A senior inspector of schools gets nearly £1,000 more than that!

EYRIE QUERY

About that eagle in Grosvenor Square. It seems time I had something to say about it, because an American editor recently claimed that everyone in London has an opinion without having seen it. I have seen it, and I think it is too small rather than too big, and that it ought to have perched further forward on the cornice. It doesn't make half the effect I expected, possibly because Theodor Roszak, the sculptor, hasn't made quite the right compromise between modernism and heraldic natural-

COLOUR

the logical use of colour in building no. 4

quality of daylight:

It is now becoming generally known and, what is more important, appreciated that the source of light plays an important part in the creation of colour in rooms and in the external appearance of buildings. The new type of fluorescent lamp has emphasised — indeed forced attention upon — the careful selection of colours for buildings illuminated by fluorescent lighting.

At the same time it is not often fully realised that daylight — the most generally accepted form of illumination — does vary in quality, and although the variations in the quality of daylight in different places and different parts of the country are small, such differences may often play a decisive part in the selection of the various colours.

There does not seem any doubt that the daylight of the industrial north of England, particularly near the sea, possesses an excess blue component compared with the urban daylight of late afternoon and evening. The colour of the gentian flower sparkles in the south of England because the red component of this colour is reflected into the eye of the observer, whilst in the north the relative absence of the red component makes the colour appear lifeless and dull.

Generally the most suitable colours for the northern light are the pastel colours of high reflection value which can be used together with white and a whole series of greys, again of high reflection value. If interest is then obtained with small areas of strong colour then satisfactory decoration can be achieved. The choice of the hue of the pastel colour needs care in selection, but it has been found that the pastel reds and the yellow-reds do give pleasing results, although any basic colour, reduced as a pastel, can be used. In the south, on the other hand, the whole gamut of the colour range can be fully used.

The next announcement in this series will be on "Glare".

Goodlass, Wall & Co. Ltd, Corn Exchange, Liverpool 2 or 179/185 Gt. Portland St, London W1

COLOUR

ism. I hear that ornithologists are complaining and that wits are insisting the things in its claws are not an olive branch and arrows, but a collection of rocket electronics and a bundle of golf-clubs done up in red tape.

*

As for the building, from what I can see there's plenty of gilt and marble on the ground floor but no plush. The entrance hall doesn't exactly welcome you as it thrusts you towards lift walls and hides its stairs at the sides. But the subsidiary north and south entrances look fine and spacious. Opinion about the upper floors, which I couldn't reach, varies. Some say there is a lot of clever detailing; others say the clever detailing need never have been there if the basic design had been different. We must wait and see.

BURY, THE HATCHET?

If Bury St. Edmunds sells for demolition two listed buildings of architectural/historical interest — its Library and Corn Exchange—the deal will produce a lump sum of £100,000 and raise rateable values enough to cut rates by 10d. in the £. This seems to be the main charm of an offer made to the Council by Sir Cyril Black's Group of Companies, who want to build shops on the site. A Council sub-committee has reported favourably on the scheme, to the dismay of many local people including 10 local councillors. Both threatened buildings are structurally sound and in constant, varied use. Sir Cyril's companies are prepared to build a new Corn Exchange elsewhere, and the Adam Town Hall would be gutted, reconstructed to contain the library and

art school, and linked by a bridge with new offices.

Not far from the town centre, where these threatened buildings form a fine group, is an area of real decay—Brentgovel Street. Defenders of the present scheme urge that the sale of the Corn Exchange site would enable them to pay for redevelopment there. Surely it would be simpler to offer Brentgovel Street to Sir Cyril Black's Group of Companies?

*

Fortunately there is still time for Bury St. Edmunds to become the Piccadilly of Suffolk, because even if the Council agrees to the sale the Ministry will have the final say.

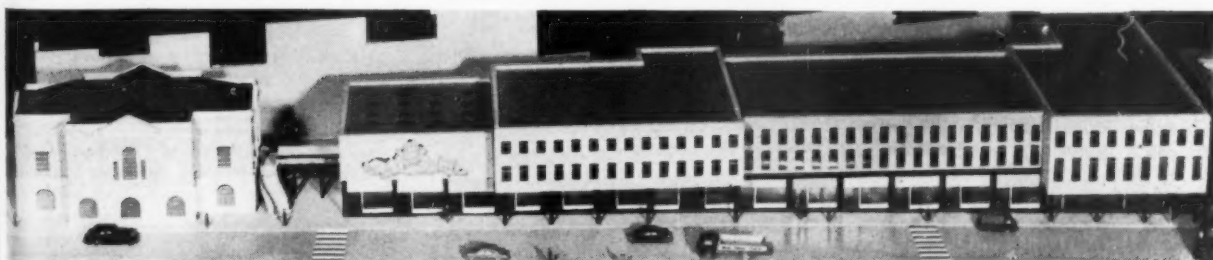
ASTRAGAL



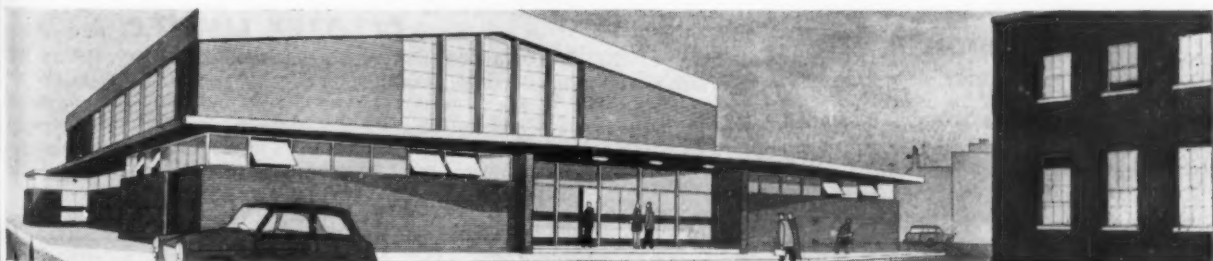
Bury St. Edmunds : The Corn Exchange



The Town Hall : a link corridor here ?



Proposed design of shops and offices, showing link with Town Hall



The proposed new Corn Exchange

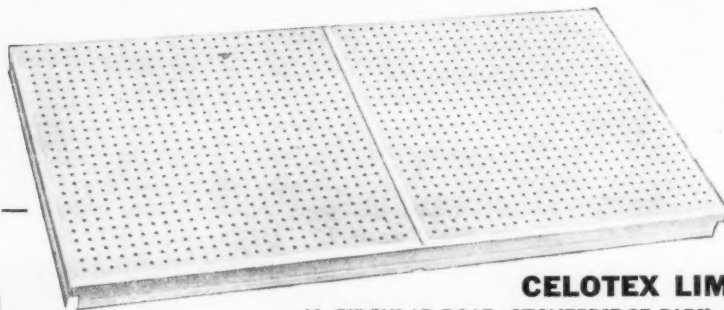
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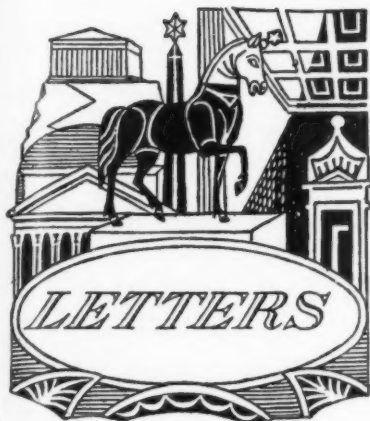
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Mathematics & Structure

SIR: To speak about a "functional" approach to architecture today almost means to be stamped as an old fogey by the "avant-garde" and so it is refreshing to see your comment under the title picture of a recent AJ, "First Fumblings for a Machine Aesthetic" that "architects are still looking back, as in Victorian days, for forms of architectural expression. . ."

Reyner Banham's book therefore seems to be more than timely and I am looking forward to reading it.

In this context Walter Segal's summing up in his review (AJ, 28.7.60) epitomises the attitude prevailing in this country and apparently among those responsible for drawing up the new requirements for architectural education, namely that the logic of mathematical thinking is incompatible with an "artistic" temperament and so mathematics have not become one of the compulsory "A" level subjects with the result that we are the only civilised country where one can study architecture practically without mathematics.

This is reflected in the attitude to structure which, with a few notable exceptions, is still regarded as one of those nuisances for which one can employ an engineer.

Hence so-called "structural form" becomes a plaything like Victorian stylism, only less convincing and poorer because there are not enough "structural forms" to go round. If structure were understood as the laws of nature which govern all building and which can be expressed in certain mathematical relations, it would become one of the most powerful sources of inspiration to form and

buildings so conceived would be eloquent and convincing like those great functional structures, the mediaeval cathedral, the beamed cottage or the Pirelli Building in Milano!

H. WERNER ROSENTHAL

Amersham

Why Be Pompous?

SIR: Mr. J. A. Dorin's cryptic letter in the AJ of 28.7.60, if meant to be taken seriously, strikes me as a typical manifestation of the widely prevalent viewpoint that, should the architectural profession cease to be as preoccupied with retaining its dignity as Mr. Robertson Hare used to be in the old days with retaining his trousers, the heavens must surely fall. Whilst some of the things that get into print in the AJ amuse me personally rather less than I gather they are intended to do, at least yours is one architectural institution in this country which allows itself the (apparently) appalling solecism of an occasional comment on life's incongruities.

I am completely baffled by this current notion, amounting in some quarters to an *idée fixe*, that to display any evidence of lightheartedness at all is incompatible with the dignity of professionalism. Is it that, the professional status of architects being so young, they are only now experiencing the urge to professional pomposity to which doctors, lawyers and others of their professional brethren succumbed in the Victorian era and earlier? Or perhaps they do not in their hearts feel as staunchly professional as they consider they ought, and it is the expiation of some sort of guilt complex?

My feeling is that Mr. Dorin and the school of opinion which his letter represents should study the close psychological relationship between a sense of humour and a sense of proportion. I hope you will ignore what they say and refuse to come over all stuffy.

COLIN ROGERS

Pinner

Appeal Dismissed

SIR: I have often read with interest, letters in the ARCHITECTS' JOURNAL from architects who have had to rise up in defence of their applications to the Planning Authority. I wonder if most of us are aware of what can happen in the case of an appeal against the Authority's decision.

Quite recently, an application to develop a small plot of land locally, sufficient for two detached houses, was turned down by the Local Planning Authority. An appeal was made and in due course a local inquiry was held.

The inspector, sent by the Ministry of Housing and Local Government, heard both sides of the case, eventually submitted his report and recommended that the appeal

should be allowed in his considered opinion. The Minister, however, did not agree with his inspector's recommendation and dismissed the appeal.

I would like to know if this situation often occurs, as it seems to me rather a waste of time and money employing a suitably qualified inspector, if his recommendations are not acceptable, also solicitors, architects and officials whose time and fees are wasted.

P. G. KELSEY

Goole

Non-Euphemisms

SIR: The vision of ASTRAGAL opening "the door of the toilet" (in your issue of August 4) embarrasses an old reader. On velvet, half reclining, the left hand elegantly lying along the fabulous thigh, the right arm raised, the hair caressed, the excellence of the right breast displayed, naked, regarding, in the looking-glass extended by the nude but turbaned *putto*, her smooth civilised face, the goddess appears. It is *The Toilet of Venus*. Nowhere on that immaculate painted canvas gleams the white pan, vitreous china or earthenware, trapped or untrapped, "S" or "P." A toilet is a small veil invented by Louis XIV, the grand staircases of whose palaces were neither silent nor syphonic. If a rude English engine must have a French name what's wrong with *water-closet*?

NIALL MONTGOMERY

Dublin

ASTRAGAL replies: Beg pardon Mr. Montgomery, my U-pen slipped. Water-closet is the better euphemism, but why not Jakes?

Branded Goods?

SIR: I just read in your columns that Mr. Jack Cotton has asked Mr. Gropius to advise him about the developments of his company. It is now becoming quite the fashion to use the advice and services of internationally known architects in various European countries although it is debatable whether this achieves the best results. Gropius has been commissioned to design a huge housing estate in Berlin. Neutra is going to build an estate in Southern Germany and Aalto is responsible for a monumental point block in Bremen. It is not unreasonable to assume that in all instances the client delights in or is badly in need of the reflected glory. The famous name is used in the same way as an architect might be tempted to resort to the best advertised medium for the elimination of dry rot.

These prominent architects have had their opportunities and successes; they should count their blessings and leave the rest to the young architects of Europe who can do as well or better.

R. ROSNER

Hamburg-Bramfeld

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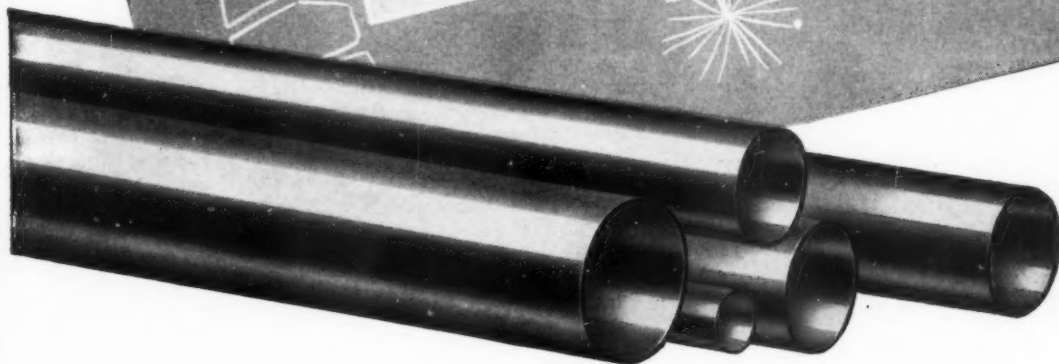
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COMPETITIONS

Liverpool Cathedral

At a press conference held on August 18 the Liverpool Metropolitan Cathedral Committee announced the names of the authors of the winning and commended designs. The assessors were the Archbishop of Liverpool (Dr. John Heenan), Sir Basil Spence and Mr. David Stokes. The winner is Frederick Gibberd of London; the second award went to C. H. R. Bailey of Kuala Lumpur and the third to Arthur Bailey of London.

The following received high commendation: Tom Hancock, Wallingford, Berks.; Norah Glover in collaboration with Z. Borys, London; Raglan Squire and Partners, London; John H. Jakob and Anthony C. Adcock, Tempe, Arizona; Michael Jerome, London; Clive Entwistle, London and Paris. The following received commendation: Edward Hartry of Wells, Hickham and Partners, London; Gerald Howes and Peter Eiseman, Duxbury, Massachusetts; John Ashworth, Rochdale, Lancs.; Peter Dickinson and Associates, Toronto, Canada; George P. Buzuk, London; Andrew Jackson, Edinburgh; John G. R. Sheriden, Liverpool, and Bruno Fedrigolli, Brescia, Italy; Lewis S. Ash, Whitley Bay, Northumberland; Guy Morgan and Partners, London; J. R. Gradige, London, and Peter Jameson and Associates, London; Michael N. Clinton, Salisbury, Southern Rhodesia; Patrick J. Quinn, California.

All designs are exhibited at the Ursuline Convent School, Crescent Road (off Worple Road), Wimbledon, London, S.W.20, until Saturday, August 27. Opening times 10 a.m. till 8 p.m. Thereafter (but on dates not yet announced) all drawings will be on view at Liverpool and the premiated and commended drawings only at the Building Centre, London.

The winning designs will be published in full in next week's issue.

See Astragal's comment page 298.

Piccadilly Circus

The *Star* newspaper is organising a competition for the redevelopment of Piccadilly



Frederick Gibberd's winning design in the Liverpool Cathedral competition.

Circus, open to all students of architecture and planning resident in Great Britain or Northern Ireland.

Its aim is "to give students of architecture and planning an opportunity of tackling a problem of very great importance and topicality—the comprehensive redevelopment of the heart of a major metropolis."

The Assessors are E. Maxwell Fry, Edward D. Mills and Noel Moffett and *The Star* will award three premiums of £300, £200 and £100 for the three designs they judge best.

Closing date for entries is Monday, December 19, and notification of intention to enter should be sent not later than Monday, October 3, to Piccadilly Circus Competition, The Star, 12-22 Bouverie Street, London, E.C.4, from which details of conditions, instructions and information for competitors should be obtained.

EDINBURGH

Modern Art Gallery

A National Gallery of Modern Art has been established, after protracted effort by a dedicated few, at Inverleith House in Edinburgh, where the Old Brig House is a seemly if not ideal building for the purpose, magnificently situated on the highest point of the Royal Botanic Gardens commanding one of the finest urban panoramas in Europe.

In a quite excellent opening speech, Sir Kenneth Clark observed that "no country has ever been so modest or unassertive in the matter of modern art as Scotland," yet he felt no drop in temperature when moving from the distinguished loan exhibition (superb de Stael, Utrillo, Kokoschka, Soulages, Picasso, Braque . . .) to the local heroes' room. A nice enough remark when after all the Scottish section seems surprisingly perfunctory in proportion to its actual potential.

The house has been converted to its purpose by the Ministry of Works, under a directive

of Lord Crawford to make its reconstruction "as unlike a Ministry of Works building as possible," although the new entrance steps seem incongruously appended and the light fittings singularly unscientific-looking.

This is only a temporary home for the Gallery—incidentally the first gallery in Great Britain to be devoted solely to modern art—until the development of a centrally situated site in Queen Street.

With an annual budget of only £7,500, the trustees will require both courage and clairvoyance in their patronage.

ILA

A Landscape Policy?

The theme of the annual conference of the Institute of Landscape Architects, to be held in Edinburgh from September 6 to 12 is "Towards a Landscape Policy." Speakers include: Sylvia Crowe on making the Landscape Plan; Jean P. Bernard, landscape engineer for French Motor Roads, on the landscape of roads; Hugh Wilson on Cumberland; Arthur Geddes, Geographer, Edinburgh University, and F. D. N. Spaven, senior research officer, Scottish Department of Health on the Landscape Pattern of a Scottish region as determined by landform, climate, ecology and human use. Percy Johnson-Marshall, senior lecturer on Civic Design, Edinburgh, will describe the construction of regional landscape in India and the Tennessee Valley.

Roger Miles, senior planning assistant, Somerset C.C., will describe the rural problems of landscape work by local authorities; Tom Burns of Edinburgh University's social science research centre will describe urban problems; Peter Shephard the relationship between landscape and architecture; and Michael Sefton of the landscape department of Welwyn and Hatfield will speak on the cost of landscape work.

working detail

WINDOWS: 79

WINDOW: COLLEGE IN LONDON, S.W.7

Richard Sheppard, Robson and Partners architects



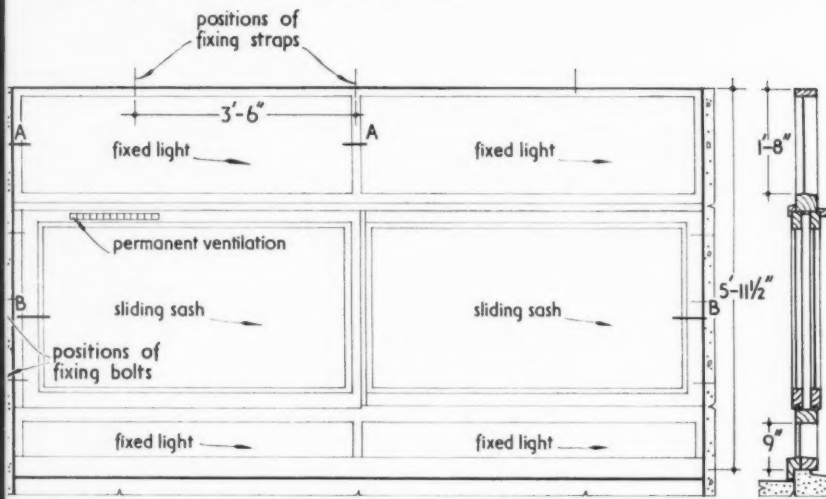
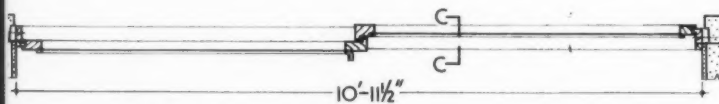
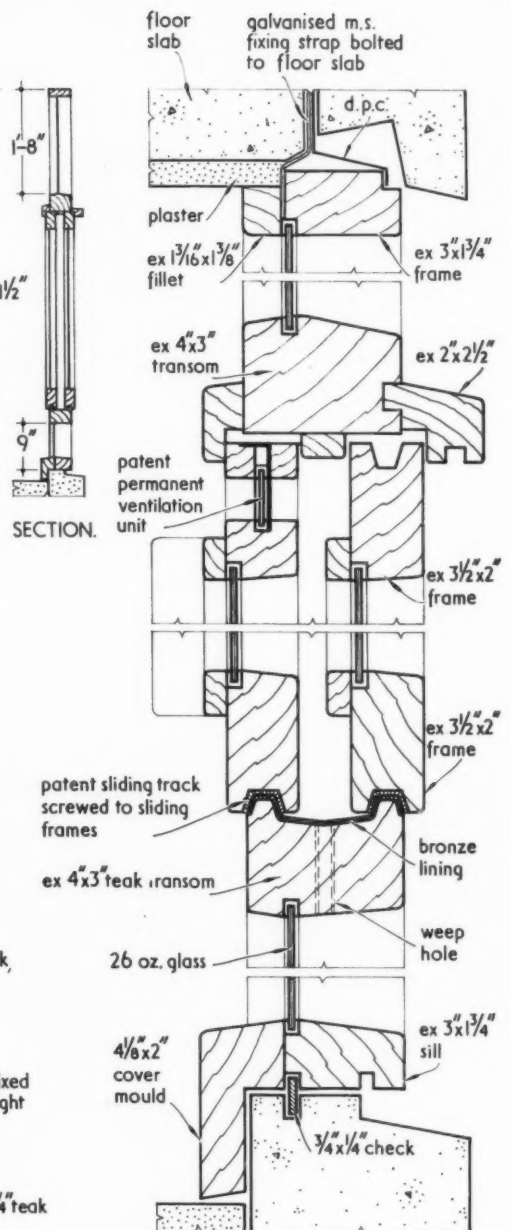
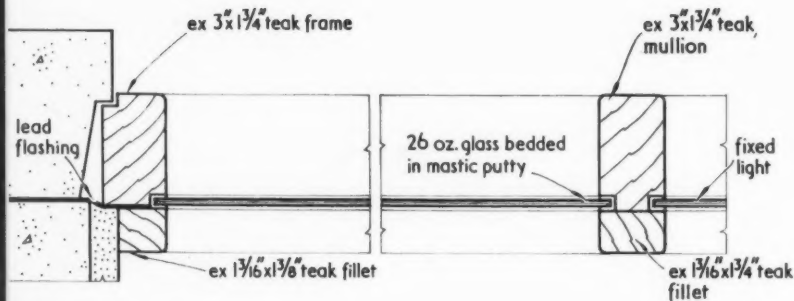
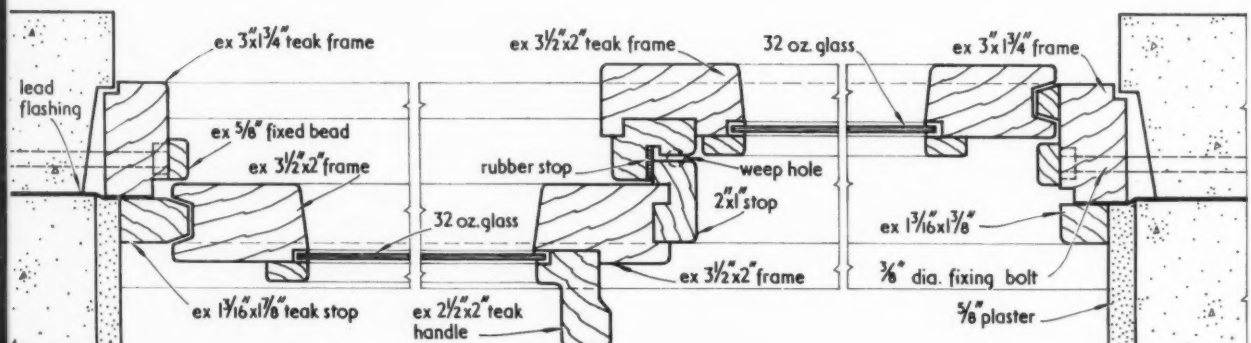
Constructed throughout in teak, these windows are the full width of the room with a maximum opening area of half this width by a height of 5 ft.

working detail

(31)i
WINDOWS: 79

WINDOW: COLLEGE IN LONDON, S.W.7

Richard Sheppard, Robson and Partners, architects

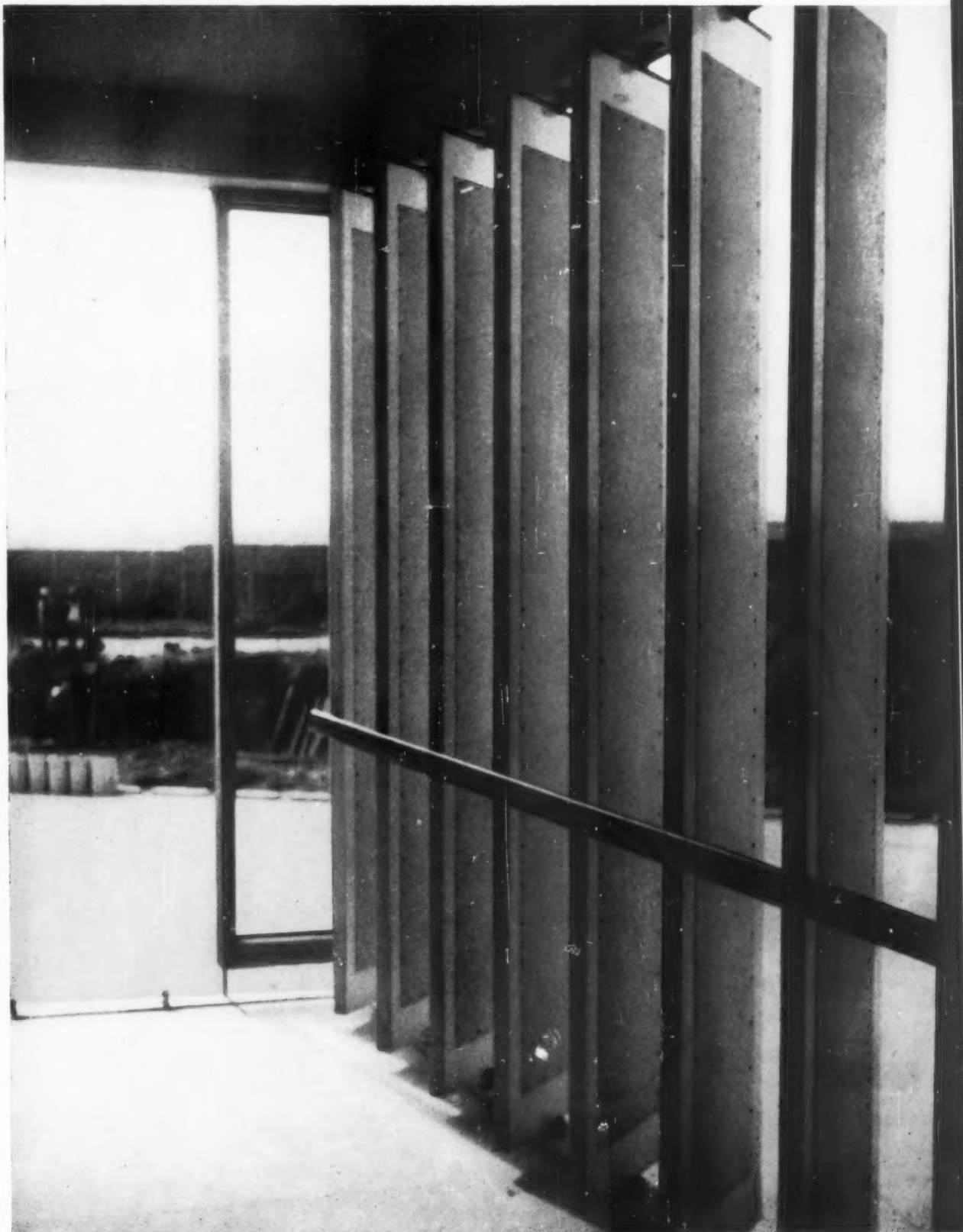
ELEVATION. scale $\frac{3}{8}'' = 1'-0''$ PLAN. scale $\frac{3}{8}'' = 1'-0''$ SECTION C-C. scale $\frac{1}{4}''$ full sizePLAN AT A-A. scale $\frac{1}{4}''$ full sizePLAN AT B-B. scale $\frac{1}{4}''$ full size

working detail

MISCELLANEOUS: 36

SUN BREAKERS: OFFICES IN PORT HARCOURT, NIGERIA

Architects' Co-Partnership, architects

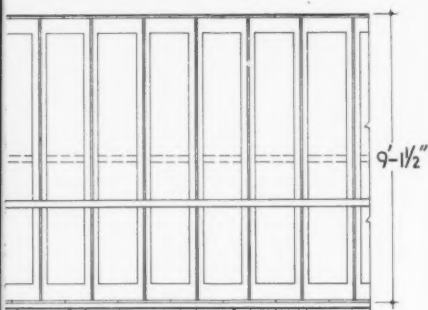


The object of this detail is to provide a system of sun control, the operation of which is sufficiently simple to permit ready adjustment during the day. The louvre blades are in banks of eight and each length of rail is 13 ft. 4 in. long.

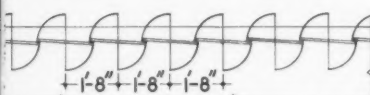
working detail

SUN BREAKERS: OFFICES IN PORT HARCOURT, NIGERIA

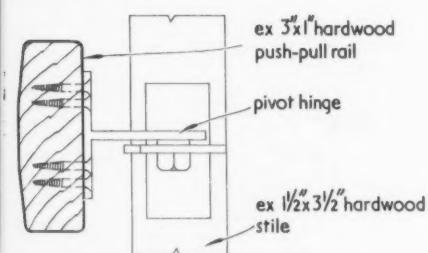
Architects' Co-Partnership, architects



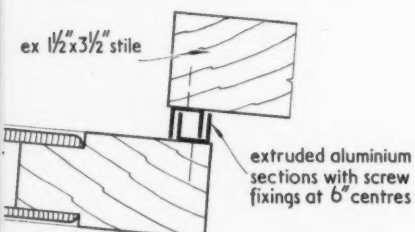
ELEVATION. scale 3/16" = 1'-0"



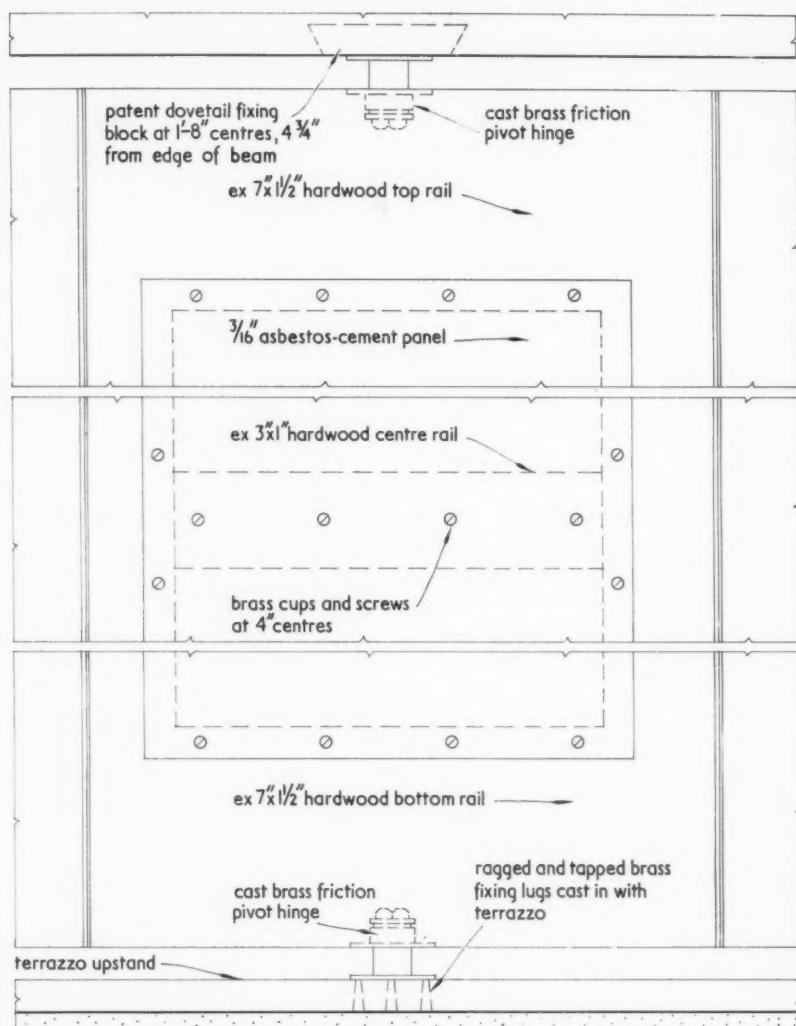
PLAN. scale 3/16" = 1'-0"



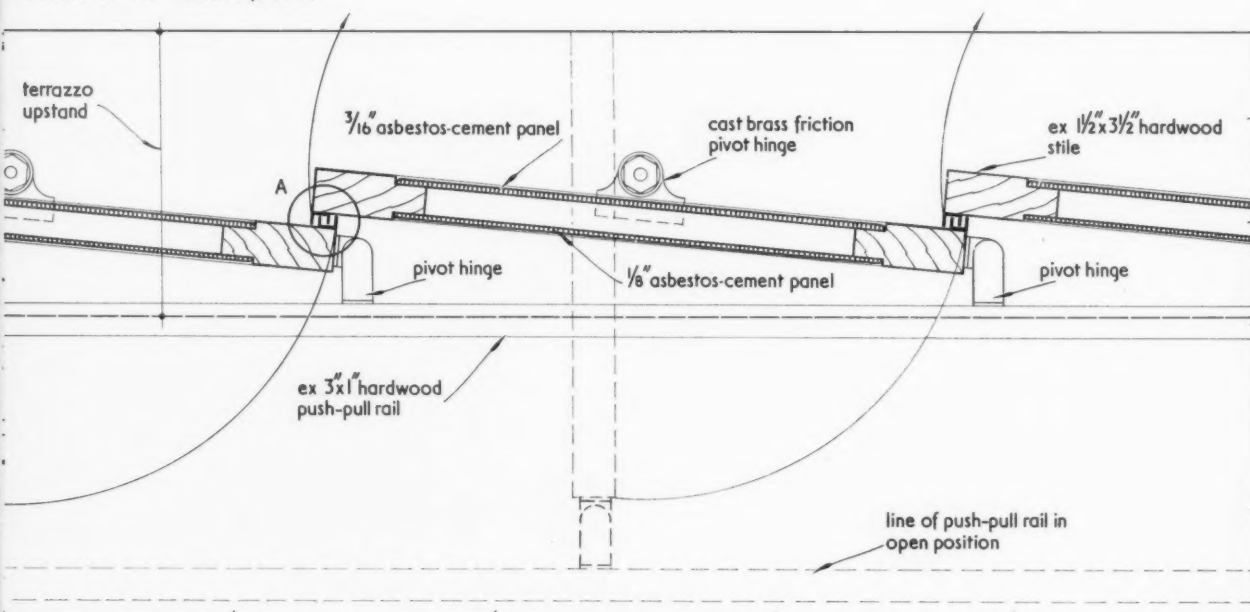
SECTION THROUGH PUSH-PULL RAIL.



DETAIL AT A. scale 3/8 full size



ELEVATION OF LOUVRE. scale 3/16 full size



HORIZONTAL SECTION THROUGH LOUVRES. scale 3/16 full size



The pitch of this roof is $22\frac{1}{2}^{\circ}$...



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Blocks of Flats... East Kilbride Development Corporation shown while still under construction. The new Marley Vinyl Rainwater Goods have been used on these modern flats.

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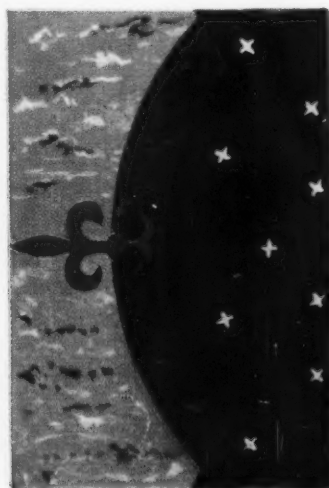
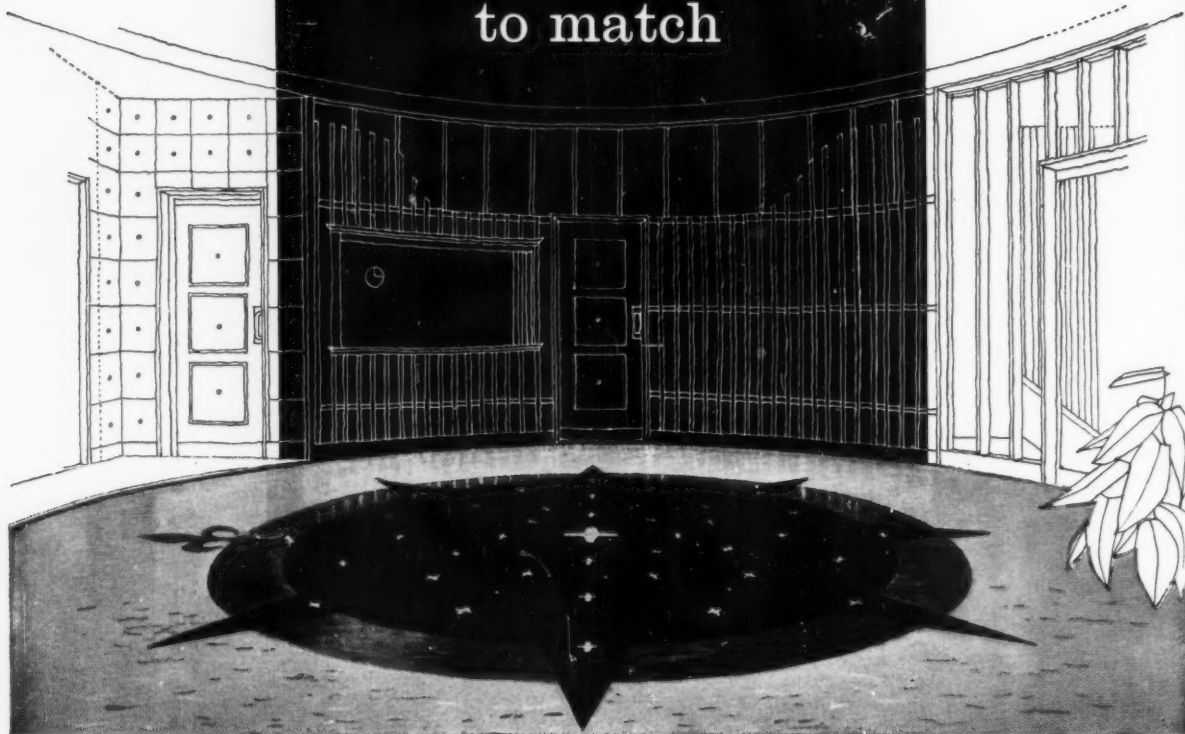
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NEWS continued

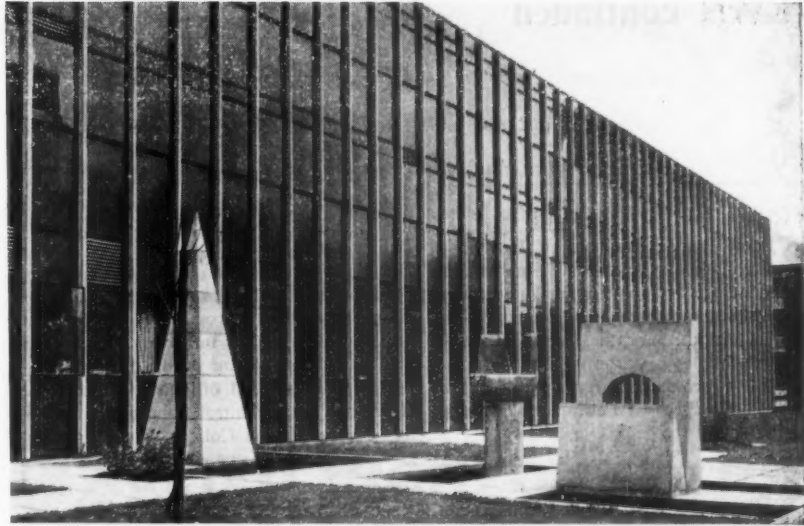
ST. MARYLEBONE

New School

The L.C.C. recently held a Press day in the new Rutherford Secondary School, designed by Leonard Manasseh and Partners. This school, which will be linked with the St. Marylebone Grammar School, is for 800 boys and it cost about £330,000.

Organisation will be by forms in the lower school and by houses in the upper. The very restricted site, formed in part from the playground of the Bellfield mixed school, built in 1874 and now to be demolished to provide play-space for the new school—may be a reason why this organisation has not been given expression in the layout, but the result is a gain in clarity and simplicity.

The three-storey block contains administration, workshops, kitchens and caretaker's flat on the ground floor; house rooms, cloakrooms and laboratories on the first floor; classrooms, library and art room on the top floor. The asymmetrically placed entrance leads straight through this block and by a covered way to the assembly hall flanked on each side by a gymnasium. The controlled rectilinear design is relieved by the pyramidal roof of the assembly hall, the inverted pyramid (housing tanks) on the



The main block of Rutherford School, with Leonard Manasseh's sculpture.

roof of the main block, and by the forecourt sculpture which includes an elongated pyramid.

The school, which was favourably commented on by papers from *The Times* to the *Daily Worker* (or vice versa), was described by some as "concrete and glass", but it is in fact interesting for the use internally of a number of materials—fairface con-

crete and brick, quarry-tiled walls in corridors and marble in the entrance hall—which should prove reasonably boy-proof. The fact that no windows have yet been broken, though the building has been complete for some months, may even mean that its future occupants like it.

By the way, this school is to be cost analysed later in the AJ.



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Seating in Glasgow University
Architect: Basil Spence & Partners

NEWS continued

WALES

New Head for School

Dewi Prys Thomas, graduate of Liverpool University, a Victory and Rome Finalist and recipient of an Archibald Dawney scholarship, has been appointed Head of the Welsh School of Architecture, the College of Advanced Technology, Cardiff. Since 1952 he has been a senior lecturer in design at Liverpool. He succeeds Lewis John, who is retiring.

HELLENES

Architecture and Gastronomy

Professor Sir Albert Richardson is leading a tour of the eastern Mediterranean which is being organised by architect Merlin Minshall, from whom further information can be had. In addition to visiting Athens, Istanbul, Crete, Rhodes, Lindos, Kos, Delos, Mkyonos, Patmos, Delphi, and Rhodes, to study architecture, there will also be studies of Mediterranean food and wine.

OXFORD

More work for Dowson

Phillip Dowson, an architect associate of Ove Arup and Partners, the engineers, has been appointed by Oxford University to design additional accommodation for the central offices of the university, which will be located on the site of the Indian Institute at the east end of Broad Street. Mr. Dowson is also architect for the new buildings for Somerville College.

ITALY

Architects' Visit

An architects' and engineers' visit to Italy is being organised by the Joint Committee on Structural Concrete from September 17 to 25, to see old and new buildings of outstanding interest. From Saturday to Thursday the party will be based on Milan and will visit the Triennale among other things; it will then fly to Rome, where one of the objectives is Nervi's Olympic stadia and elevated road.

Estimated overall cost of the visit is £120, and applications for places should be made as soon as possible to the Secretary of the Committee, Terminal House, Grosvenor Gardens, London, S.W.1.

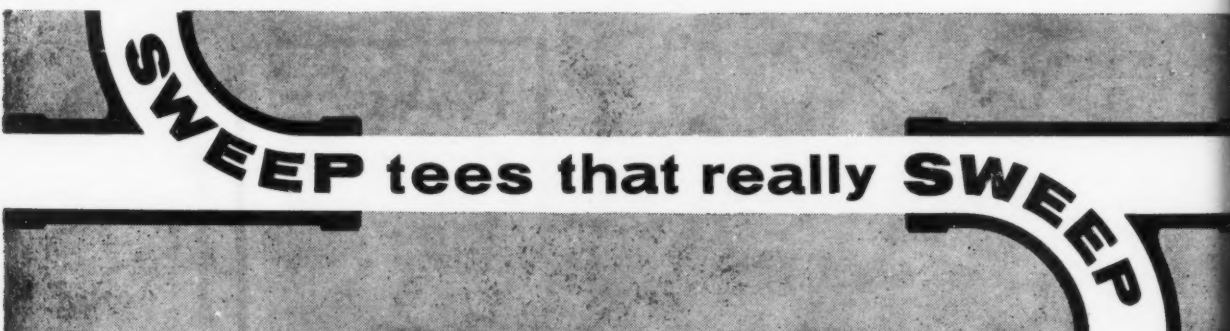
ARCUK

Professional misrepresentation

On August 10, at Gravesend Petty Sessions Court, D. G. King, of 1a, Devonshire Road, Gravesend, pleaded guilty to a charge that he, whilst not being a person registered under the Architects (Registration) Act, 1931, carried on business under a style containing the word "architect." The printed heading of a letter produced in evidence included the following words: "Modern Homes (Gravesend). Chartered Architect. Manager: D. G. King."

The defendant was fined £25 and ordered to pay 10s. costs.

(We have been asked to make it clear that D. G. King, of Romford, who is duly registered as an architect and is an Associate of the RIBA, has no connection whatsoever with the above case.)



SWEEP

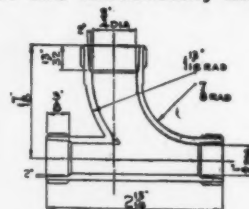
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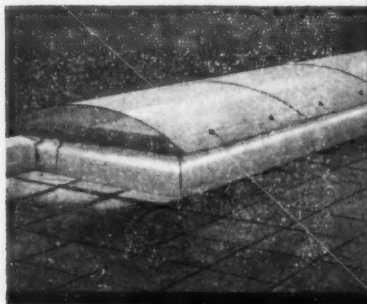
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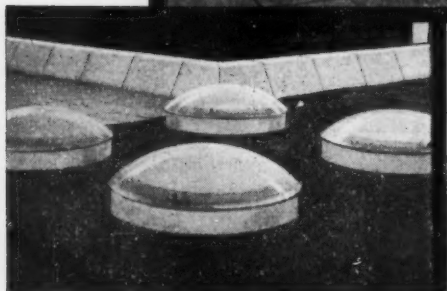
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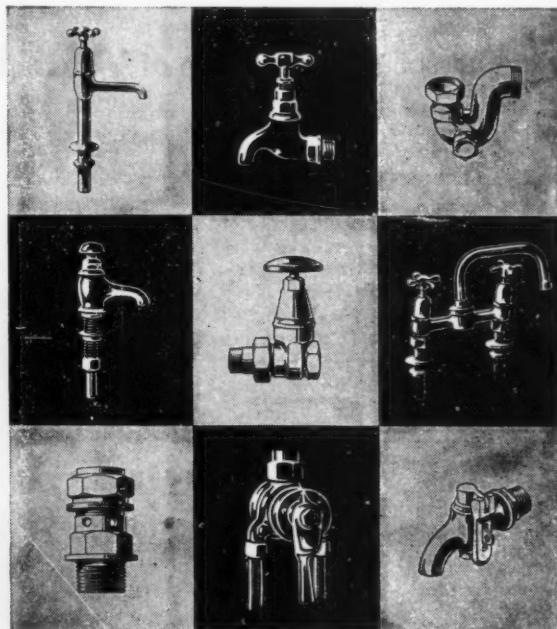
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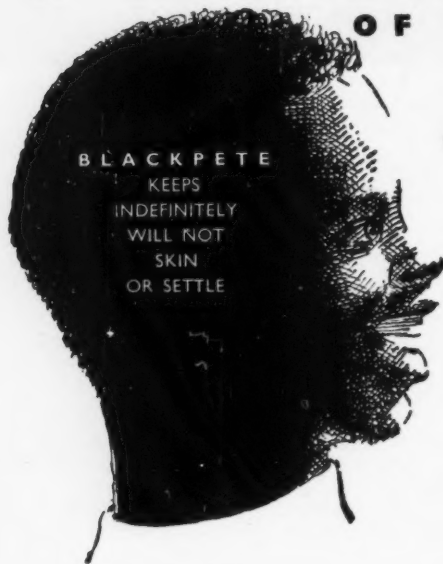
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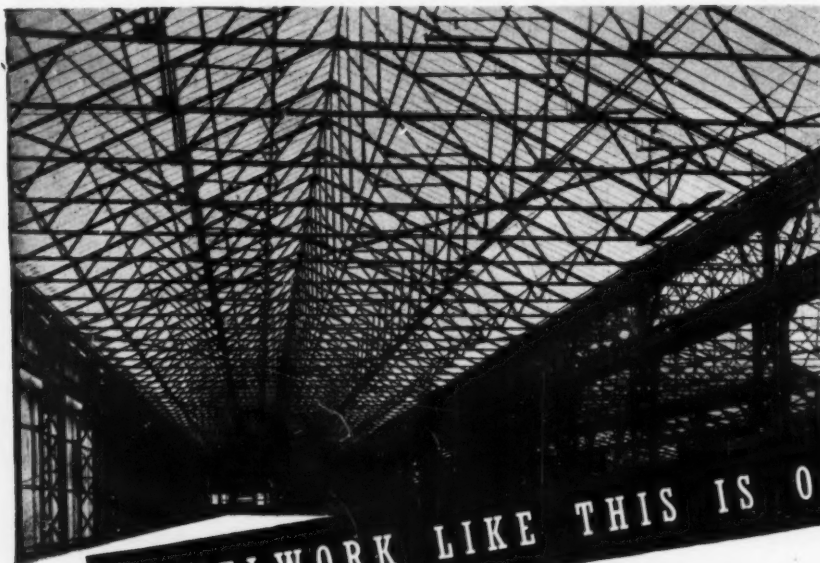
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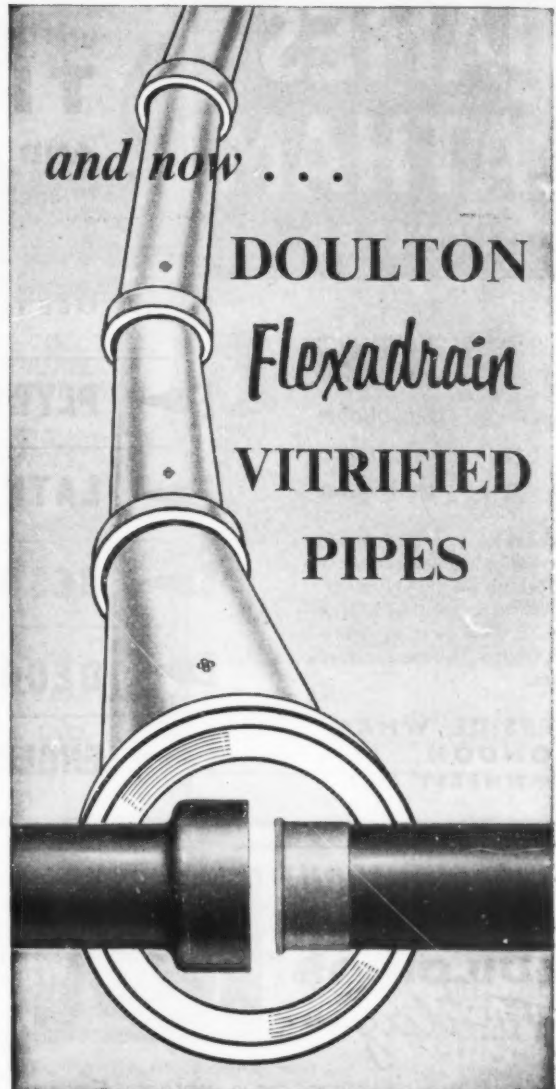
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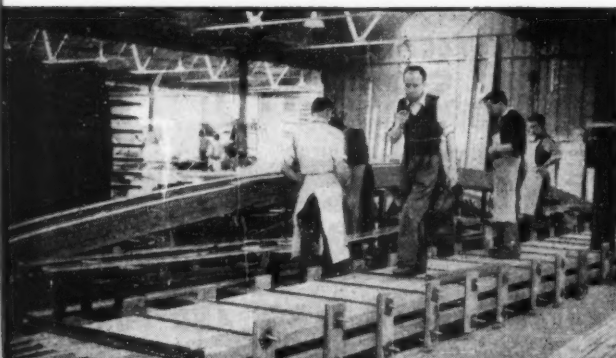


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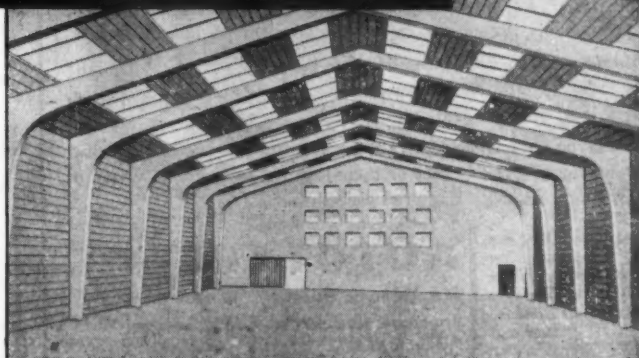


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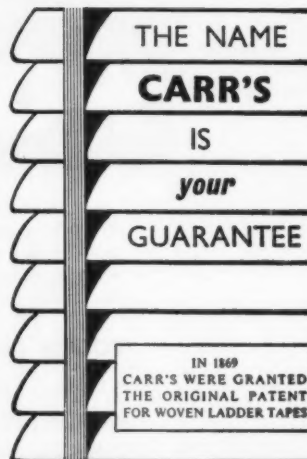
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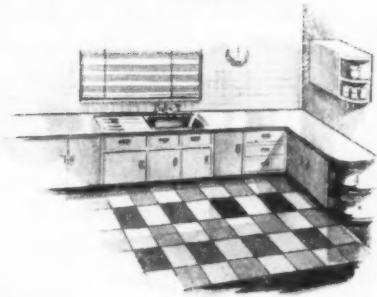
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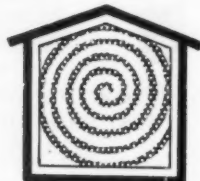
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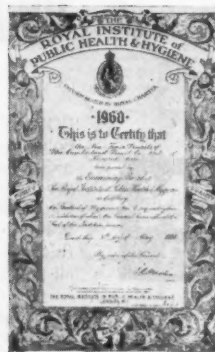


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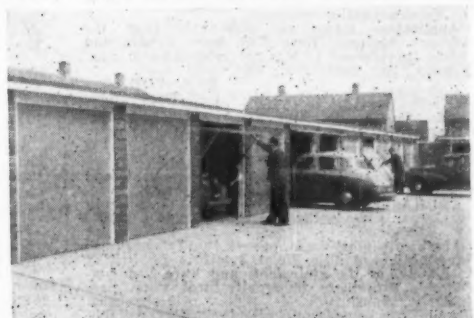
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Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

AIR-MAIL SERVICE available on request. In response to requests from a number of Overseas subscribers for air-mail delivery of Public and Official Appointment details and Other Appointments Vacant, we have been pleased to arrange that cuttings of all such classified advertisements appearing in the A.J., shall be despatched by air-mail on Wednesday of each week (one day prior to A.J. publication date). The cost of this special service to Overseas subscribers will be 5s. for four weeks (i.e. 3d. for each additional week) and prepayment should be sent by subscribers wishing to take advantage of this service. The charge we are making represents only the actual cost of the postage involved.

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GLASGOW CORPORATION ASSISTANT ARCHITECTS TOWN PLANNERS QUANTITY SURVEYORS

The Architectural and Planning Department of the Corporation of the City of Glasgow has vacancies for a number of qualified Assistants in the above professions.

The Department has in hand a large, varied and interesting programme of works including comprehensive redevelopment, multi-storey flats, schools and civic buildings. The work will provide scope for personal initiative in the preparation of designs and details of schemes upon which construction work will follow.

The salary scale for these Assistantships is up to £1,385 with placing according to experience.

Form of application may be obtained from the Principal Administrative Officer, 20, Trongate, Glasgow, C.I.

A. G. JURY,
City Architect and Planning Officer.
1938

BUILDING SURVEYORS

Architect's Department, L.C.C., has vacancies in Building Regulation Division and District Surveyors' Service for work in connection with applications under the London Building Acts and Byelaws. District Surveyors' offices are located in Metropolitan Boroughs and work involves negotiations with developers and supervision of works in progress.

Up to £1,260, commencing according to qualifications and experience. Form and particulars from Hubert Bennett, F.R.I.B.A., Architect to the Council (EK/AJ/1637/8), County Hall, S.E.1.

LONDON COUNTY COUNCIL ARCHITECT'S DEPARTMENT

Vacancies for ARCHITECT/PLANNERS. Tasks include three-dimensional planning in Comprehensive Development Areas and all other important areas of new development throughout London, including those associated with road improvements. Up to £1,260 according to experience and qualifications. Forms and particulars from Hubert Bennett, F.R.I.B.A., Architect to the Council (EK/AJ/1790/8), County Hall, S.E.1.

COUNTY BOROUGH OF SOUTH SHIELDS ASSISTANT ARCHITECTS

Applications are invited for the above appointments in the Borough Engineer's Department. Applicants must be suitably qualified and the salary paid will be in accordance with Grade APT IV (£1,065-£1,220).

Housing accommodation will be made available to successful applicants if necessary and they will be required to pass a medical examination for Superannuation purposes.

Application forms are obtainable from the Borough Engineer, Town Hall, South Shields, and should be returned to him not later than 10 a.m., Monday, 19th September, 1960.

R. S. YOUNG,
Town Clerk.
2682

BEDLINGTONSHIRE URBAN DISTRICT COUNCIL

ARCHITECTURAL ASSISTANT
Applications are invited for the undermentioned appointment in the Surveyor's Department.

ARCHITECTURAL ASSISTANT, salary in accordance with Special Grade (£785-£1,070).

Applicants must have passed the Intermediate Examination of the Royal Institute of British Architects, or its equivalent, and have had considerable experience in architectural work, particularly housing and shop redevelopment. Housing accommodation will be made available in approved circumstances.

Applications, accompanied by names of three referees, to be delivered to the undersigned not later than Friday, the 2nd September, 1960.

F. S. FORSTER,
Clerk to the District Council.

Council Offices,
Bedlington,
Northumberland.
8th August, 1960. 2757

BOROUGH OF KING'S LYNN APPOINTMENT OF ASSISTANT QUANTITY SURVEYOR

Applications are invited for the above appointment. Salary within Grades A.P.T. II-III (£765-£1,065). Housing accommodation provided. Removal expenses paid.

Further particulars may be obtained from G. Holmes, A.E.I.B.A., Housing Architect, Clifton House, Queen Street, King's Lynn.

Closing date, 30th August, 1960.

E. W. GOCHER,
Town Clerk.
2648

CITY OF LEEDS

CITY ARCHITECT'S DEPARTMENT
Applications are invited from persons holding appropriate professional qualifications for the following permanent posts:—

- (a) ASSISTANT CITY ARCHITECT (HOUSING).
- (b) ASSISTANT CITY ARCHITECT (EDUCATION AND GENERAL).

Salary Scale £1,790-£2,085 per annum, Grade F.

The Assistant City Architect (Housing) will be responsible under my control for large house building programmes and should have had a wide experience of all forms of housing layout, comprehensive developments and multi-storey flats.

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Both posts carry great responsibilities and offer worthwhile opportunities to those who are keenly interested in design and the planning and organisation of extensive municipal building schemes.

Further details and application forms may be obtained from the undersigned.

Applications are also invited for the following permanent posts in (a) Housing and (b) Education & General sections of the department.

Post No. 1. PRINCIPAL ARCHITECTS, Grade C, Salary Scale £1,385-£1,620.

2. ASSISTANT PRINCIPAL ARCHITECTS, B, £1,320-£1,485.

3. SENIOR ASSISTANT ARCHITECTS, A.P.T. V, £1,220-£1,375.

4. SENIOR ASSISTANT ARCHITECTS, A.P.T. IV, £1,065-£1,220.

5. ASSISTANT ARCHITECTS, A.P.T. III, £880-£1,065.

6. ARCHITECTURAL ASSISTANTS, A.P.T. II, £765-£880.

Applicants for the senior posts must hold appropriate professional qualifications and should have had a wide experience in either housing, education or other types of large public building work and will be required to design and work on these projects to completion. Applicants will be considered on their capability for design, experience, contemporary outlook and suitability.

The appointments are superannuable—medical examination forms obtainable from the undersigned, are to be returned by 12 noon on Monday, 5th September, 1960.

Canvassing disqualifies.

J. R. SHERIDAN-SHEDDEN,
City Architect.

Priestley House,
Quarry Hill,
Leeds, 9. 2695

COUNTY BOROUGH OF SOUTH SHIELDS PRINCIPAL ASSISTANT QUANTITY SURVEYOR

Applications are invited for the above appointment in the Borough Engineer's Department. Applicants must be suitably qualified and the salary paid will be in accordance with Grade APT V (£1,220-£1,375).

Housing accommodation will be made available to successful applicant if necessary and he will be required to pass a medical examination for Superannuation purposes.

Application forms are obtainable from the Borough Engineer, Town Hall, South Shields, and should be returned to him not later than 10 a.m., Monday, 19th September, 1960.

R. S. YOUNG,
Town Clerk.
2683

BOROUGH OF MANSFIELD BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT

Applications are invited from suitably qualified persons for the following vacancies in the Borough Engineer and Surveyor's Department (Architect's Section).

(a) JUNIOR ARCHITECTURAL ASSISTANT, Grade A.P.T. I (£610-£765).

(b) QUANTITY SURVEYING ASSISTANT, Special Grade (£765-£1,070).

(c) TRACER-DRAUGHTSMAN (Architectural and Civil Engineering), General Division (£210-£595).

The commencing salary in each case will depend on age and qualifications and experience.

Applicants, stating age, training, qualifications, present and past appointments and experience and the names of three referees, should be sent to the Borough Engineer and Surveyor, Carr Bank, Mansfield, appropriately endorsed to arrive not later than Tuesday, the 6th September, 1960.

A. C. SHEPHERD,
Town Clerk.
2759

CITY OF LEEDS CITY ARCHITECT'S DEPARTMENT QUANTITY SURVEYING STAFF

A number of vacancies occur in the Quantity Surveying Section which deal with the preparation of bills of quantities and other work in connection with the large building programmes of the department. These programmes include schools, housing with multi-storey flats, hostels and other interesting projects and the posts offer opportunities to work as part of a team in a progressive office.

Post No. 1. SENIOR ASSISTANT QUANTITY SURVEYOR, Grade B. Salary scale £1,320-£1,485. Applicants should have wide experience in the preparation of bills of quantities for major works including schools.

2. SENIOR ASSISTANT QUANTITY SURVEYOR, A, £1,310-£1,420. Applicants should have considerable experience in taking off and preference will be given to those with experience in cost analysis and cost planning.

3. SENIOR ASSISTANT QUANTITY SURVEYOR, ORS, A.P.T. V, £1,220-£1,375. Applicants should have considerable experience in taking off, in the measurement of work in progress and the settlement of final accounts for major schemes.

4. SENIOR ASSISTANT QUANTITY SURVEYOR, ORS, A.P.T. IV, £1,065-£1,220.

5. SENIOR ASSISTANT QUANTITY SURVEYOR, ORS, A.P.T. III, £880-£1,065.

Applicants for posts Nos. 4 and 5 should be experienced in the measurement of variations and the settlement of final accounts for large schemes and should have some experience of taking off.

6. SENIOR WORKER-UP, A.P.T. III, £880-£1,065. It is essential that applicants for this post should have the ability to write a good bill for major schemes and should have wide experience of this type of work in a professional office.

Applicants for posts Nos. 1, 2 and 3 should hold appropriate professional qualifications and applicants for posts Nos. 4 and 5 should have reached the appropriate standard of qualification and preference will be given to those qualifying for the Quantities sub-division of the R.I.C.S.

The appointments are superannuable—medical examination.

Further details and application forms may be obtained from the undersigned and applications are to be returned by 12 noon on Monday, 5th September, 1960.

Canvassing disqualifies.

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City Architect.

Priestley House,
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BIRMINGHAM REGIONAL HOSPITAL BOARD

APPOINTMENT OF ARCHITECTURAL STAFF
The Board envisage an expansion in their hospital building programme. A large proportion of the work will be designed and supervised by the staff of the Regional Architect's Department and a number of new appointments have recently been made. Further appointments are now proposed and applications are invited for the following:—

1. SENIOR ASSISTANT ARCHITECTS—Salary scale £1,300 to £1,600. Qualifications: Registered Architect by examination. (Arch. 12)

2. ASSISTANT ARCHITECTS—Salary scale £905 to £1,310. Qualifications: Registered Architect by examination. (Arch. 13)

3. SENIOR ASSISTANT LAND SURVEYOR—Salary scale £1,300 to £1,600. Qualifications: Corporate membership of the R.I.C.S. (Arch. 14)

4. LAND SURVEYING ASSISTANT—Salary scale £625 to £900. Qualifications: Intermediate Examination of the R.I.C.S. or an examination giving exemption therefrom. (Arch. 15)

5. ASSISTANT QUANTITY SURVEYORS—Salary scale £905 to £1,310. Qualifications: Corporate membership of the R.I.C.S. (Arch. 16)

6. ARCHITECTURAL DRAUGHTSMEN—Salary scale £475 to £685. Qualifications: Suitable training, including three years' technical experience in architectural drawing office. (Arch. 17)

These posts are not necessarily restricted to those with previous hospital experience. They offer opportunities for gaining knowledge and experience of the whole field of hospital architecture, ranging from adaptation schemes to comprehensive new hospital projects and including ward units, operating theatres, out-patient departments, maternity units, X-ray departments, kitchens, boilerhouses, staff housing accommodation and numerous other types of building.

All posts superannuable, five-day week, generous annual leave. Applications quoting appropriate reference, to Secretary, Birmingham Regional Hospital Board, 10, Augustus Road, Edgbaston, Birmingham, 15, by 12th September, 1960, stating qualifications, age, experience, present position and salary, and names of two referees.

2773

LANCASHIRE COUNTY COUNCIL CITY ARCHITECT'S DEPARTMENT

SENIOR ASSISTANT ARCHITECTS—£1,320 to £1,485 according to experience.

Applications are invited from experienced, registered architects to deal with a wide variety of buildings, including Magistrates' Courts, Police Training Schools and Technical Colleges.

Application forms and details of appointments from: The County Architect, P.O. Box 26, County Hall, Preston, returnable by 8th September, quoting reference A/AJ.

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LANCASHIRE COUNTY COUNCIL COUNTY ARCHITECT'S DEPARTMENT SENIOR ASSISTANT ARCHITECTS-£1,320

to £1,485 according to experience, and covered by Lancashire County Council Superannuation Scheme.

The Governors of Salford College of Advanced Technology are proceeding with a major expansion of the College. This project is to be of advanced design, offering opportunity for experience in the design of buildings to meet the needs of pioneer scientific processes, which are estimated to cost £3,000,000.

The team for this scheme will work with Messrs. Ove Arup & Partners, Structural Consultants, and will include Quantity Surveyors and Mechanical Engineers. The team will work in the County Architect's Office at Preston.

On completion of the project, architects will be engaged on a wide variety of new buildings for the Lancashire County Council.

Application forms and details of appointment from: The County Architect, P.O. Box 26, County Hall, Preston, returnable by 8th September, quoting reference A/AJ. 2780

COUNTY COUNCIL OF ESSEX COUNTY PLANNING DEPARTMENT

Applications are invited for the following posts:—

(a) SENIOR PLANNING OFFICER, A.P.T. Grade V (£1,220-£1,375).

The successful candidate will be required to work as one of two sub-section leaders in the Development Plan and Control Section at Headquarters directly under the Principal Planning Officer, who is responsible for the work in connection with the production and progressing, through all stages, of reviews of the County Development Plan, with additional Town Maps and Comprehensive Development Areas, together with Headquarters work on Development Control, including Minerals and Liaison with New Town Development Corporations, and on footpaths and amenities generally. They must be Corporate Members of the Town Planning Institute, should hold an additional appropriate professional qualification and be suitably experienced both in development plan and development control work in the office of a large local planning authority.

(b) SENIOR PLANNING OFFICER, A.P.T. Grade V (£1,220-£1,375).

The successful candidate will be required to take charge of a small section in an Area Office at Romford to deal mainly with redevelopment schemes for central areas, including civic design projects. Candidates should be Corporate Members of the Royal Institution of British Architects and the Town Planning Institute, and have had considerable allied architectural and planning experience in large redevelopment and central area schemes.

(c) CHIEF CLERK, A.P.T. Grade IV (£1,065-£1,220).

Candidates should be versed in the work and procedures of a local planning authority; be experienced in general administration, particularly with regard to matters relating to service conditions, recruiting and management of staff, and in preparation of annual estimates and budgetary control. They should also possess an appropriate qualification.

(d) (i) SENIOR PLANNING ASSISTANTS, A.P.T. Grade IV (£1,065-£1,220).

(ii) PLANNING ASSISTANTS, Special Grade (£785-£1,070); and

(iii) A.P.T. Grade I (£610-£765).

Vacancies exist in the various Area Planning Offices of this Department for the above mentioned posts for work in connection with Development Control and/or Development Plan.

Candidates for the Grade IV posts must be suitably qualified and experienced. The Special Grade posts offer interesting opportunities to work on the design aspects of planning proposals in connection with Town Maps, town centre redevelopment and Village Plans; preference for these posts will be given to those candidates who have passed the Final Examination of the Royal Institute of British Architects or are well advanced in their studies towards that qualification.

University graduates or other suitably trained persons with planning experience will be considered for the Grade I posts and further training will be given.

Five-day week; medical examination; superannuation. Day release facilities in appropriate cases. Canvassing directly or indirectly disqualified.

Applications, with names of three referees, should be sent to the County Planning Adviser, Broomfield Place, Broomfield, Chelmsford, Essex, by 8th September, 1960. 2745

METROPOLITAN BOROUGH OF HACKNEY ARCHITECTURAL ASSISTANTS ENGINEER AND SURVEYOR'S DEPARTMENT

Applications are invited for the above-mentioned permanent appointments.

Candidates must have passed the Final or Intermediate Examination of the R.I.B.A. and appointment will be made as Assistant Architect in A.P.T. IV (£1,065-£1,220) or as Architectural Assistant in A.P.T. II (£765-£880), or A.P.T. III (£880-£1,065) according to qualifications and experience.

In all cases appropriate London Weighting allowance is payable in addition, and commencing salaries will be according to training, qualifications and experience. Staff canteen. Alternate Saturdays, post-entry educational training facilities. Application forms obtainable from the Town Clerk, Town Hall, Hackney, E.8, returnable by 9.00 a.m., 5th September, 1960. 2891

COUNTY COUNCIL OF STIRLING COUNTY ARCHITECT'S DEPARTMENT

Applications are invited to fill a number of vacancies in the School and Housing Sections. The vacancies provide excellent opportunities for Assistants with good experience in contemporary design and construction.

(a) SENIOR ASSISTANT ARCHITECT. Salary £1,260 to £1,512. Applicants must hold A.R.I.B.A. and have had wide experience in preparation of working drawings, taking complete responsibility and handling building contracts.

(b) ASSISTANT ARCHITECTS. Salary £1,150 to £1,320. Applicants must hold A.R.I.B.A., and have good general experience.

(c) PROFESSIONAL ASSISTANTS' GRADE. Salary £795 to £1,075. Applicants must hold A.R.I.B.A., and placing will be in accordance with experience.

(d) ASSISTANT QUANTITY SURVEYOR. Salary £1,150 to £1,320. Applicants must hold A.R.I.C.S., and have wide scheduling experience.

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

Applications, stating age, qualifications and experience, together with names of two referees, should be lodged with A. J. Smith, A.R.I.B.A., F.R.I.A.S., County Architect, Spittal Street, Stirling, not later than 5th September, 1960

JAMES D. KENNEDY
County Clerk.

Viewforth. 2716 BOROUGH OF CASTLEFORD APPOINTMENTS IN THE BOROUGH ENGINEER'S DEPARTMENT

Applications are invited for the following appointments:—

SENIOR ASSISTANT ENGINEER. Salary—Special Grade: commencing salary according to qualifications and experience but not less than £905 per annum, rising to £1,070 per annum. Applicants must be Corporate Members of the Institution of Municipal and/or Civil Engineers, and have had experience in a Municipal Engineer's office.

ASSISTANT ENGINEER. Salary—Grade A.P.T. II (£765-£880). Applicants should have completed a recognised form of training as Municipal Engineers and should preferably have passed the Joint Part I Examination of the Institution of Civil and Municipal Engineers.

SENIOR ASSISTANT ARCHITECT. Salary—Special Grade: commencing salary according to qualifications and experience but not less than £905 per annum, rising to £1,070 per annum. Applicants must be Associate Members of the R.I.B.A. and/or Registered Architects, and have had some years practical experience.

ARCHITECTURAL ASSISTANT. Salary—Grade A.P.T. II (£765-£880). Applicants should have passed the Intermediate Examination of the R.I.B.A. or its equivalent at one of the recognised Schools of Architecture.

N.J.C. Service conditions; superannuable; terminable by one month's notice on either side. The successful applicants will be required to pass satisfactorily a medical examination.

If required housing accommodation will be provided for successful married applicants. Applications, on forms obtainable from me, to be returned by the 31st August, 1960. Canvassing disqualified.

ERNEST HUTCHINSON,
Town Clerk.

Town Hall, 2744
Castleford.

CITY OF ELY URBAN DISTRICT COUNCIL ARCHITECTURAL ASSISTANT (A.P.T. GRADE IV, £1,065 to £1,220)

The Council invite applications for the above appointment in the Engineer & Surveyor's Department at a salary in accordance with A.P.T. Grade IV.

Candidates should be well trained and experienced in design and preparation of schemes and supervising contracts in connection with Council housing work.

The appointment will be superannuable subject to the National Conditions of Service and to the selected candidate passing a medical examination.

Housing accommodation available (if required). Applications, stating age, qualifications, previous and present appointments and salaries and full particulars, together with names and addresses of two referees, should reach the undersigned not later than 31st August, 1960.

J. E. WATKINS,
Clerk of the Council.

Urban Council Offices,
Lynn Road,
Ely, Cambs. 2765

BOROUGH OF ILKESTON ARCHITECTURAL ASSISTANT within the Grade A.P.T. IV (£1,065-£1,220)

Commencing salary to be according to qualifications and experience.

HOUSING ACCOMMODATION AVAILABLE. Canvassing disqualified. Application forms and conditions of appointment obtainable from A. O. Marshall, Borough Surveyor & Water Engineer, Town Hall, Ilkeston, to whom they are to be returned by Thursday, 8th September, 1960.

J. YATES,
Town Clerk. 2915

CITY OF LEEDS DEPARTMENT OF CITY ENGINEER AND PLANNING OFFICER

APPOINTMENTS FOR PROFESSIONAL STAFF
The Corporation invite applications for a number of professional posts in the department of the City Engineer and Planning Officer for important and interesting work in Town Planning and Engineering. This includes the review of the Development Plan, the preparation of detailed planning proposals for areas of comprehensive development, the planning and design of major engineering projects including roads, bridges and engineering structures, main drainage and sewage disposal works and the supervision of contract works.

Preference will be given in the more senior appointments to candidates who not only have appropriate qualifications and an adequate breadth of experience but also the enthusiasm, energy and leadership which will enable them to make an effective contribution towards meeting the challenge which redevelopment and new engineering works will present.

This advertisement relates to the following permanent appointments:—

TOWN PLANNING DIVISION

PRINCIPAL ASSISTANT, Grade C (£1,385-£1,485).

PRINCIPAL ASSISTANT, Grade B (£1,320-£1,485).

SENIOR ASSISTANT PLANNING OFFICERS, A.P.T. IV (£1,065-£1,220).

ASSISTANT PLANNING OFFICERS, Special II/III (£785-£1,070).

ASSISTANT PLANNING OFFICERS, A.P.T. I/II (£610-£880).

The appointment of Principal Assistant in Grade C is next in order of seniority to the Chief Assistant in charge of the Division.

ROADS AND GENERAL ENGINEERING DIVISION

CHIEF ENGINEERING ASSISTANT, Grade D (£1,520-£1,765).

PRINCIPAL ASSISTANT, Grade B (£1,320-£1,485).

SENIOR ENGINEERING ASSISTANTS, A.P.T. IV (£1,065-£1,220).

ASSISTANT ENGINEERS, Special II/III (£785-£1,070).

ASSISTANT ENGINEERS, A.P.T. I/II (£610-£880).

Under the amended establishment recently approved by the Corporation this Division will deal with all civil and structural engineering works other than main drainage and water courses.

MAIN DRAINAGE DIVISION

PRINCIPAL ASSISTANT, Grade II (£1,320-£1,485).

SENIOR ENGINEERING ASSISTANT, A.P.T. IV (£1,220-£1,375).

ASSISTANT ENGINEERS, Special II/III (£785-£1,070).

ASSISTANT ENGINEERS, A.P.T. I/II (£610-£880).

Applications, accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than September 9th, 1960. Applicants must state for which post they are applying.

Canvassing in any form, either directly or indirectly, will be a disqualification.

D. CURRIE, M.I.C.E.,
City Engineer.

Civic Hall, 2760
Leeds, 1.

LANCASHIRE COUNTY COUNCIL COUNTY ARCHITECT'S DEPARTMENT

Applications are invited for the following appointments on the permanent staff. The Quantity Surveying Branch of the Department undertakes work in all stages, from Cost Planning to Final Accounts, and the programme is both interesting and varied.

(a) SENIOR ASSISTANT QUANTITY SURVEYOR-N.J.C. Grade "B" (£1,320-£1,485). Applicants should be Chartered Quantity Surveyors and capable of taking charge of a small team of Surveyors working on major projects.

(b) SENIOR ASSISTANT QUANTITY SURVEYOR-A.P.T. V (£1,220-£1,375). Applicants should be Chartered Quantity Surveyors and the person appointed will be a senior member of a team of Surveyors.

(c) QUANTITY SURVEYING ASSISTANT-A.P.T. II (£765-£880). Applicants should have passed the Intermediate Examination of the R.I.C.S.

(d) QUANTITY SURVEYING ASSISTANT-A.P.T. I (£610-£765). Applicants should have passed the First Examination of the R.I.C.S.

Forms of application obtainable from and returnable to the County Architect, P.O. Box 26, County Hall, Preston, by 8th September. 2779

COUNTY BOROUGH OF BLACKBURN BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT

Applications are invited for an ARCHITECTURAL ASSISTANT, Grade A.P.T. IV (£1,065-£1,220).

Candidates must have the necessary qualifications and experience relative to the Grade.

Housing accommodation will be provided if required.

Forms of application, obtainable from the Borough Engineer, Town Hall, Blackburn, are to be returned by September 21st, 1960.

FRANK SQUIRES,
Town Clerk. 2886

L.C.C.

BRIXTON SCHOOL OF BUILDING

FULL TIME COURSES in Architecture, Building, Decorating and Painting, Structural Engineering and Surveying.

SANDWICH COURSES in Structural Engineering and for Higher National Diploma in Building cover six months' study at the College and six months' experience in industry each year, for a period of four years.

PART-TIME AND EVENING COURSES: Courses for National Certificates and for examinations of the Royal Institute of British Architects, Town Planning Institute, Royal Institution of Chartered Surveyors, Institute of Builders, Institution of Civil Engineers, Institution of Structural Engineers, Institution of Public Health Engineers, Institute of Quantity Surveyors, and Institute of Plumbing; also for National Diploma of Design and Incorporated Institute of British Decorators and Interior Designers. City and Guilds of London Institute Courses in Building Crafts.

ADULT AND POST ADVANCED COURSES in Building Administration and Higher Technology.

ENROLMENT—12th–16th September, 1960 (Full-time and part-time day courses.)

19th–23rd September, 1960 (part-time evening courses.)

NORTHERN POLYTECHNIC
HOLLOWAY, LONDON, N.7
Principal: T. J. Drakeley, C.B.E., D.Sc.,
Ph.D., F.R.I.C., F.I.R.I.
Head of Department of Architecture:
C. G. Bath, F.R.I.B.A., A.M.T.P.I.

DAY SCHOOL OF ARCHITECTURE
The Northern Polytechnic Diploma in Architecture which is awarded on the successful completion of the five years' full-time course and subsequent passing of the examination in Professional Practice, qualifies students for exemption from the Final Examination for Associateship of the Royal Institute of British Architects. The Diploma is also accepted by the Architects' Registration Council of the United Kingdom as a qualification for registration under the Architects (Registration) Acts, 1931–1938.

School year begins 26th September, 1960.
Fees—£30 per annum.
Students under the age of 18 may be admitted free.

EVENING SCHOOL OF ARCHITECTURE
The Northern Polytechnic Diploma is awarded on the successful completion of the eight years' part-time course and subsequent passing of the examination in Professional Practice and Practical Experience. Intermediate Exemption is granted on the successful completion of the first five years of the course.
New session commences 26th September, 1960.
Fees from 30s. to 70s. per session.

PART-TIME DAY CLASSES
A leaflet describing part-time day courses will be sent on application.

ENTRY TO THE SCHOOLS. Intending day students are interviewed by appointment. Intending evening students will be interviewed from 5.30–7.30 p.m. on 20th and 21st September, 1960.

Prospectus post free on application.
Telephone: NORTH 1686.

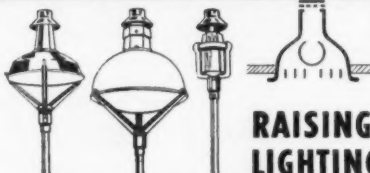
EVERY ARCHITECT SHOULD KNOW ABOUT THIS!

PERFORMANCE DATA			
WATTS	FITTINGS DIAMETER	WEIGHT LBS.	MAX. MOUNTING HEIGHT FEET
200	10"-14"	3	25' 0"
300	12"-16"	5	22' 6"
500	14"-18"	7	20' 0"

ALUMINIUM FITTINGS 1/2 WEIGHT OF STEEL

LAMP CHANGING EQUIPMENT
GRABS—15W–1500W, H.P.M.A.—ALL TYPES,
PANEL INDICATORS, ALSO CUP TYPE MA/V
250–400W FOR ED. GLASS CYLINDERS.

ALLOY TUBE STRUCTURES HT 15
4 TUBE TELESCOPIC MODEL
INTERCHANGEABLE TUBE MODEL
FIBRE GLASS TUBE MODEL



RAISING & LOWERING LIGHTING FITTINGS by the

NO-CLIMB SYSTEM as specified by leading Education
Authority, Universities and Colleges. Fittings designed by leading
Manufacturers to Customers' requirements.

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MIDDX. Phone: Potters Bar 2267

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School Keeper
Servicing
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at 20 feet
By courtesy of
L.C.C.

NO-CLIMB



PAVE THE WAY FOR HARDER WEAR

For factory and other floors exposed to heavy traffic, impact
and corrosion, Accrington 'Nori' Paving Bricks may be specified
with the utmost confidence. Made from the same material as
the famous Accrington Engineering Bricks. Samples on request.

THE ACCRINGTON BRICK & TILE CO. LTD., ACCRINGTON
Telephone: Accrington 2684

ACCRINGTON 'NORI'
PAVING BRICKS

CORPORATION OF LONDON

Applications are invited for temporary appointments in the City Engineer's Department.

ASSISTANT SITE ARCHITECT: £1,325 per annum.

ASSISTANT ARCHITECT: £1,120 per annum. In connection with the construction under contract of a large municipal building; for the duration of the works estimated at 24 years.

Candidates should be Corporate Members of the R.I.B.A. and have had good general experience in preparation of working detail and site supervision.

Applications, stating age, appointments held and experience, together with names of two referees, to The City Engineer, Guildhall, London, E.C.2, by September 5th, 1960. 2754

CORBY DEVELOPMENT CORPORATION
ARCHITECTURAL STAFF

There are vacancies on the staff of the Chief Architect for SENIOR ASSISTANTS and ARCHITECTURAL ASSISTANTS.

For the former appointments the salary will be within A.P.T. Grade V (£1,220-£1,375) and candidates must possess A.R.I.B.A. or an equivalent qualification.

For the latter appointments the salary will be within A.P.T. Grade II (£765-£880) and candidates will be expected to have passed the Intermediate Examination of the R.I.B.A., or an equivalent examination.

For both appointments the commencing salary within the Grade will depend upon qualifications and experience.

The appointments are within the Local Government Superannuation Scheme.

Housing is available and removal expenses will be paid.

Applications, stating age, education, training, qualifications, experience, appointments held and salaries, together with the names of two referees, must reach the undersigned by Monday, the 5th September, 1960.

F. R. BROOKS GRUNDY,
General Manager.

Corby Development Corporation,
Spencer House,
Corby, Northants. 2792

LANDSCAPING AND GROUNDWORK ASSISTANTS for preparation of working drawings and specifications and supervision of contracts on new parks, gardens and playing fields. Good background in horticulture valuable.

Up to £950 a year in the first instance according to qualifications and experience. Prospects of higher pay and promotion according to ability and output.

Also vacancies for ARCHITECTURAL ASSISTANTS at similar rates of pay.

Apply Chief Officer (A/AJ/2111/8a), Parks Department, County Hall, London, S.E.1. (WATERLOO 5000, ext. 8076.) 2783

GOVERNMENT OF NORTHERN IRELAND

ASSISTANT ARCHITECT, CLASS II

Applications invited from Registered Architects by examination with at least two years' experience in an Architect's office in preparing working drawings, for pensionable post in Chief Architect's Branch, Ministry of Finance. Salary scale: £805 (at age 25)-£1,095 (age 34 and over)-£1,260. Existing pension rights may, in certain circumstances, be transferred. Preference for ex-Servicemen. Application forms, obtainable from Secretary Civil Service Commission, Stormont, Belfast, 4, must be returned by 31st August, 1960. 2782

LONDON COUNTY COUNCIL

ARCHITECTS AND BUILDING SURVEYORS required in Architect's Department, with experience in surveying existing buildings, preparing sketch schemes, working drawings and specifications and supervising works in progress, for complete internal modernisation of older types of Council flats (jobs up to £50,000) for rehabilitation of dwellings acquired by Council and for improvements, alterations and extensions to Council buildings (jobs up to £20,000).

Applicants should have real interest in this type of work and ability to act on their own judgment since maximum opportunity is afforded to each to carry his own jobs through from survey to completion.

Up to £1,250 according to qualifications and experience. Form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/AJ/2179/8), County Hall, S.E.1. 2914

BOROUGH OF WALTHAMSTOW

SENIOR PLANNING ASSISTANT

Applications are invited for the above appointment in the Borough Engineer's Department (P. G. Southgate, A.R.I.B.A., A.M.T.P.I., M.I.Mun.E., Borough Architect) at a salary in accordance with Grade A.P.T.IV (£1,065-£1,220, exclusive of London Weighting) with the commencing salary according to experience.

Applicants should be suitably qualified and must be experienced in the preparation of detailed schemes for comprehensive redevelopment. The Council will make 100% advances to successful applicants for house purchase within the Borough or in adjoining Boroughs.

Application forms, obtainable from the Borough Architect, Town Hall, Walthamstow, E.17, must be returned to the undersigned by 12 noon on Wednesday, the 7th September, 1960.

G. A. BLAKELEY,
Town Clerk. 2882

Town Hall,
Walthamstow,
E.17.
17th August, 1960.

COUNTY BOROUGH OF DONCASTER

Consequent upon the large building programme to be undertaken by the County Borough of Doncaster and the revision of the Establishment of his Department, the Borough Architect is now able to offer vacancies in a number of senior and other posts. These vacancies call for assistants of imagination and ability to work on an immediate programme of projects totalling some £2,000,000 including a Civic Centre Development (Town Hall, Police H.Q. and Courts, Health Clinic, Library, etc.), schools and high density flats. The vacancies are for:

- (a) EIGHT ASSISTANT ARCHITECTS, Special Grade (£785-£1,070).
- (b) TWO ARCHITECTURAL ASSISTANTS, A.P.T. II/III (£765-£1,065).
- (c) THREE ARCHITECTURAL ASSISTANTS, A.P.T.I (£610-£765).
- (d) ONE QUANTITY SURVEYING ASSISTANT, A.P.T.II (£765-£880).
- (e) TWO JUNIOR QUANTITY SURVEYING ASSISTANTS, A.P.T.I. (£610-£765).

Applicants for (a) above must have passed parts 1 and 2 of the R.I.B.A. final or special final examination, for (b) and (c) the R.I.B.A. intermediate examination, for (d) and (e) the R.I.C.S. intermediate examination or equivalent. The appointments will be subject to one month's notice on either side and will be superannuable subject to the successful applicants passing a medical examination.

Application forms obtainable from the Borough Architect, 15 South Parade, Doncaster, to whom they must be returned by the 19th September, 1960. Canvassing will be disallowed.

H. R. WORMALD,
Town Clerk. 2917

SALOP COUNTY ARCHITECT'S DEPARTMENT

There is a vacancy on the established staff for a qualified ASSISTANT ARCHITECT. Salary Grade £785-£1,070 p.a., commencing point depending on ability and experience. N.J.C. Conditions. Five-day week. A disturbance allowance or weekly separation allowance may be paid to a married man taking up this appointment. Conditions of service and application forms obtainable from Ralph Crowe, A.A.Dipl., A.R.I.B.A., A.M.T.P.I., County Architect, Column House, London Road, Shrewsbury. Closing date 3rd September, 1960. 2736

GLAMORGAN COUNTY COUNCIL
ASSISTANT PLANNING OFFICER required. Salary (N.J.C. Scale C) £1,385-£1,620 p.a. The commencing salary may be above the minimum. Car allowance.

Applicants must be Corporate Members of the Town Planning Institute. The duties comprise the supervision of staff engaged on review of the County Development Plans; the preparation of Comprehensive Development Area Maps; research and survey connected therewith, and liaison with the Development Control Section.

Applications giving the names of two referees to be returned by the 8th September, 1960, to the County Planning Officer, County Hall, Cardiff.

RICHARD JOHN,
Clerk of the County Council. 2913

BOROUGH OF SCUNTHORPE
(An expanding modern town of 61,000 population, area 7,895 acres R.V. £1,562,541)

ENGINEERING AND ARCHITECTURAL APPOINTMENTS

Applications are invited for the following appointments in the Borough Engineer & Surveyor's Department:-

- TWO SENIOR ASSISTANT ARCHITECTS—A.P.T.III/IV, (£880-£1,220) p.a.
- TWO ASSISTANT ARCHITECTS—A.P.T.II, (£765-£880) p.a.
- TWO ASSISTANT ENGINEERS—A.P.T.II (£765-£880) p.a.

Commencing salaries will be fixed according to qualifications and experience.

Housing accommodation available if required, approved removal expenses reimbursed in full, five-day working week.

Applications giving age, details of present and past appointments, training, qualifications and experience, together with the names of two persons to whom reference may be made should be sent to the Town Clerk, 34, High Street, Scunthorpe, as soon as possible and not later than Thursday, the 8th September, 1960.

T. M. LISTER,
Town Clerk.

Municipal Offices,
34, High Street,
Scunthorpe.
17th August, 1960. 2910

METROPOLITAN BOROUGH OF CHELSEA
CHIEF ARCHITECTURAL ASSISTANT
A.P.T. IV/IV-£1,065 to £1,375,
PLUS "WEIGHTING"

Applications are invited for the above position from qualified members of the R.I.B.A. with full experience in the design, layout and construction of building projects; conversion of existing buildings into flats; maintenance of municipal buildings generally and overall supervision of architectural staff.

Application forms, obtainable from the Borough Engineer & Surveyor, with the names of three referees, should be received not later than Friday, 9th September, 1960.

JOHN C. KITCHIN,
Town Clerk. 2892

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

BOROUGH OF LEYTON
(in the County of Essex)
COMMITTEE FOR EDUCATION
APPOINTMENT OF ARCHITECTURAL ASSISTANT

Applications are invited for the permanent appointment of Architectural Assistant, Grade A.P.T.II £765-£880 per annum, plus London Weighting. The successful applicant will be employed by the Essex County Council and will work in the School Architect's Section of the Borough Engineer & Surveyor's Department, Town Hall, Leyton, five-day week is operated.

Details and forms of application from the Borough Education Officer, Education Offices, Kirkdale Road, Leytonstone, E.11, to whom they should be returned not later than Friday, the 9th September, 1960. 2885

COUNTY BOROUGH OF BURTON UPON TRENT

BOROUGH ARCHITECT'S DEPARTMENT

Applications are invited from qualified Quantity Surveyors for the appointment of ASSISTANT QUANTITY SURVEYOR in Special Grade (£785 to £1,070) at a commencing salary in accordance with qualifications and experience. Appointment subject to the provisions of the Local Government Superannuation Acts, 1937-1953; to the passing of a medical examination, and to determination by one month's written notice on either side.

Housing accommodation, at a rent, will be provided for the successful candidate if required.

Applications giving age, qualifications, full details of experience and names of two referees, to the Borough Architect, Town Hall, Burton upon Trent, by 16th September, 1960.

H. T. MEADES,
Town Clerk.

Town Hall,
Burton upon Trent.
August, 1960. 2880

EASTERN ELECTRICITY BOARD

ESSEX SUB-AREA
Sub-Area Headquarter

FOURTH ASSISTANT ENGINEER (CIVIL) 221/60.R.

Candidates should have received a technical education to Higher National Certificate level in building and should possess a sound knowledge of building construction with experience in the preparation of specifications, bills of quantities, estimates, and the settlement of accounts in connection with new building and maintenance of properties.

Salary: N.J.B. Class L, Grade 13 (£965-£1,090) plus £50 London Allowance.

Apply by letter to G. M. Holland, M.I.E.E., A.M.B.I.M., Engineer, Essex Sub-Area, Eastern Electricity Board, Millfield, Benthley, Nr. Brantwood, Essex, by 9th September, 1960. 2881

ISLE OF ELY COUNTY COUNCIL

COUNTY ARCHITECT'S DEPARTMENT

Applications are invited for the following appointments:

- (a) SENIOR ASSISTANT ARCHITECT APT V £1,220-£1,375. Applicants must be A.R.I.B.A. with experience. Terms of appointment include Essential User Car Allowance on the County Scale for a car not exceeding 1,199 c.c.
- (b) ASSISTANT ARCHITECTS Special Grade £785-£1,070. Applicants should be A.R.I.B.A. or have completed Parts I and II of the R.I.B.A. Final Examination, or have satisfactorily completed a course at a School of Architecture.
- (c) ARCHITECTURAL ASSISTANTS (2) APT I £610 - £765 or APT II £765 - £880 or APT III £880 - £1,065

Grading will depend on qualifications and experience.

- (d) QUANTITY SURVEYORS Special Grade £785-£1,070. Applicants should be suitably qualified.

In fixing commencing salaries, ability and experience will be taken into account. All posts are subject to N.J.C. Conditions and the passing of a medical examination.

Application form and further particulars from the County Architect, County Hall, March, Cambs., to whom they should be returned not later than 12th September, 1960.

R. F. G. THURLOW,
Clerk of the County Council. 2879

CITY AND COUNTY OF NEWCASTLE UPON TYNE

CITY ARCHITECT'S DEPARTMENT

The City Architect will be pleased to receive applications for the following vacancies in the EDUCATION SECTION of the Department:-

- (a) PRINCIPAL ASSISTANT ARCHITECT, J.N.C. Scale "B" (£1,255-£1,485 per annum).
- (b) SENIOR ASSISTANT ARCHITECT, A.P.T. Division V (£1,220-£1,375 per annum).
- (c) ARCHITECTURAL ASSISTANT, A.P.T. Division Grade I (£610-£765 per annum).

Application forms and full particulars may be obtained from George Kenyon, A.R.I.B.A., A.M.T.P.I., City Architect, 18, Cloth Market, Newcastle upon Tyne, 1. Applicants must state the post applied for when requesting particulars.

Closing date for completed applications—Saturday, 10th September, 1960.

JOHN ATKINSON,
Town Clerk.

Town Hall,
Newcastle upon Tyne, 1.
15th August, 1960. 2866

COUNTY OF CORNWALL
APPOINTMENT OF SENIOR TOWN PLANNER
This newly created post at Headquarters, Truro, is in a team dealing with development plan, coastal development, and other positive planning work. It offers an opportunity for a suitably qualified person to exercise his skill in social, economic and aesthetic fields. Salary within Grades Special/APT.IV (£785-£1,220).

Applicants should be Chartered Town Planners or be taking their Final Examination. Applications stating commencing salary required, together with the names of three referees, should be sent to H. W. J. Heck, P.P.T.P.I., County Hall, Truro, not later than 10th Sept., 1960. (No application forms are being issued.)

E. T. VERGER,
Clerk of the County Council. 2878

CITY AND COUNTY OF LICHFIELD
CITY ENGINEER & SURVEYOR'S
DEPARTMENT
APPOINTMENT OF ARCHITECTURAL ASSISTANT

A.P.T. Grade III (£880-£1,065 p.a.)
Applications are invited for the above appointment in the City Engineer & Surveyor's Department. The appointment which is permanent offers an opportunity to participate in interesting architectural work in connection with Overspill and Town Centre Redevelopment Schemes.

Applicants should have had suitable training and experience and be appropriately qualified, and preference will be given to those holding the Final Examination of the Royal Institute of British Architects.

Housing accommodation will be offered to the successful applicant and a car allowance will be paid.

The appointment will be subject to the Scheme of Conditions of Service and the provisions of the Local Government Superannuation Acts.

Further particulars may be obtained from Mr. D. Oglesby, M.I.Mun.E., City Engineer & Surveyor, Meredith House, 62, Wade Street, Lichfield.

Applications stating previous appointments, qualifications and details of experience together with the names and addresses of two referees must be received by the undersigned in a plain sealed envelope endorsed "Architectural Assistant" not later than noon on Friday, September 2, 1960.

HENRY J. CALLENDER,
Town Clerk. 2826

Guildhall,
Lichfield.
10th August, 1960.

SOUTH-EAST ESSEX TECHNICAL COLLEGE
AND SCHOOL OF ART
Longbridge Road, Dagenham

Required January, 1961 (or earlier):—
ASSISTANT LECTURER (Grade B) for ARCHITECTURE AND BUILDING.

Construction Applicants should be qualified (F. or A.R.I.B.A.) with wide professional experience.

Salary within range £700-£1,500 per annum depending on previous experience. Additions for approved training and graduate or equivalent qualifications. London Allowance (£38 or £51). Further details and application forms from the Clerk to the Governors at the College. 2830

MINISTRY OF EDUCATION requires **ARCHITECTS AND ASSISTANT ARCHITECTS** in the Development Group of its Architects and Building Branch in London. Work consists of study in principle and detail of design and construction of educational buildings and of their services, fittings and furniture: and the application of results to school projects. Post unestablished at first, but possibilities of permanency later. Appointment as (A) Architect at minimum of London salary scale, £1,325-£1,780, or (B) Assistant Architects, starting salary according to age on scale £830-£1,300. Conditioned hours 42 in a five-day week. Annual leave varies according to grade and length of civil service from 22 days to 30 days. Forms from Ministry of Labour, Technical and Scientific Register (K), 26, King Street, London, S.W.1. Quoting J.10/OA and (A) or (B) as appropriate. Closing date 9th September, 1960. 2857

LANCASHIRE COUNTY COUNCIL
COUNTY ARCHITECT'S DEPARTMENT
TO ALL BUILDING CONTRACTORS
APPROVED LIST OF BUILDING CONTRACTORS

Firms desirous of having their names included in an approved list of contractors from whom the Lancashire County Council will invite tenders for new building and other works should make application to the County Architect, P.O. Box 26, County Hall, Preston, Lancashire.

The lists are as follows:—
1. Contracts estimated to cost over £15,000 and up to £50,000.
2. Contracts estimated to cost over £50,000 and up to £100,000.
3. Contracts estimated to cost over £100,000.

Contractors may apply for their name to be included in any one or more of the lists. Applications must be made on forms obtainable from the County Architect at the address given above and returned on or before 12th September, 1960.

Tenders will be considered only from contractors included in the official lists which will be revised from time to time by the County Council after the consideration of applications. 2831

ROXBURGH COUNTY COUNCIL invite **ARCHITECTS** practising or resident in Scotland to submit in **OPEN COMPETITION** designs for **NEW COUNTY OFFICES AT NEWTOWN ST. BOSWELLS, ROXBURGHSHIRE.** Mr. W. H. Kininmonth, R.S.A., F.R.I.B.A., F.R.I.A.S., has been appointed Assessor. The premium for the design placed first will be 500 guineas, for the design placed second 300 guineas, and for the design placed third 200 guineas. The Conditions and General Instructions to Competitors will be available after 15th September from the County Clerk, County Offices, Newtown St. Boswells, Roxburghshire. A deposit of 2 guineas, which must accompany all applications for the Conditions and General Instructions, will be returned on receipt of a *bona fide* design or, in the event of the applicant deciding not to compete, on the return of the competition documents by 31st January, 1961. The last date for receipt of designs is 31st March, 1961. Architects who have already made application for the Conditions and General Instructions need not re-apply. 2827

BOROUGH OF BEXLEY
ARCHITECTURAL DRAUGHTSMAN

Applications are invited for this appointment at a salary within Grade A.P.T. 1 (£610-£765 per annum) plus London Weighting.

Applicants should be good draughtsmen and have a general knowledge of building construction and specification work.

Form of application and conditions of appointment are obtainable from Borough Engineer, West Lodge, Broadway, Bexleyheath, to whom completed applications must be returned by **MONDAY, 12th September, 1960.** Canvassing will disqualify.

ARTHUR GOLDFINCH,
Town Clerk. 2860

BOROUGH OF ILFORD
BOROUGH ENGINEER'S DEPARTMENT
ASSISTANT ARCHITECT

Grade A.P.T. II/III (£765-£1,065)
Candidates should have passed the Intermediate Examination of the R.I.B.A. or equivalent. Commencing salary within the scales according to qualifications and experience. London weighting payable in addition. Five-day week.

The candidate appointed will be required for specific work in connection with the design and working drawings for a scheme comprising New Public Baths and Library at Fullwell Cross.

The Council is prepared to consider, if necessary, the provision of housing accommodation.

The appointment will be subject to one month's notice on either side, the provisions of the Local Government Superannuation Acts, National Conditions of Service and medical examination.

Application forms obtainable from the Borough Engineer, Town Hall, Ilford, should be returned not later than 5th September. 2840

WEST SUSSEX COUNTY COUNCIL
PLANNING DEPARTMENT

Applications are invited for the under-mentioned appointments:—
SENIOR PLANNING ASSISTANT (Development Plan) (Revised advertisement).

Salary: Grade A.P.T. V, £1,220 x £55 (1) x £58 (2)—£1,375.

Applicants should have had experience gained preferably in a County Planning Department of the preparation of County, Town, C.D.A. and Village Maps and associated Reports and be capable of supervising staff engaged upon this work.

The post is equal in grading and responsibility with two other Senior Assistants, and is a new appointment.

Candidates should be Associate Members of the Town Planning Institute or hold other appropriate qualifications.

Fuller details of the duties of this post can be obtained on request.

PLANNING ASSISTANTS
In the Headquarters Drawing Office of the Department at County Hall, Chichester.

Salary in accordance with A.P.T. I (£610-£765 p.a.).

Applicants should be experienced draughtsmen and should be capable of making surveys.

Application forms obtainable from the County Planning Officer, County Hall, Chichester, to be returned by the 10th September, 1960.

T. C. HAYWARD,
Clerk of the County Council. 2839

COUNTY BOROUGH OF OLDHAM
BOROUGH ENGINEER & SURVEYOR'S
DEPARTMENT
APPOINTMENT OF

SENIOR ARCHITECTURAL ASSISTANT
Applications are invited from qualified persons for the above appointment which involves the design and carrying out of architectural works of major importance in the town, and the successful candidate will be offered a salary in the upper limits of the Special Classes Grade (£785-£1,070), in accordance with experience.

The National Conditions of Service and Local Government Superannuation Acts will apply and the appointment will be subject to a satisfactory medical examination.

Housing accommodation is available if required. Applications endorsed "Senior Architectural Assistant," together with the names of two referees, should reach me not later than Friday, the 2nd September, 1960.

A. L. HOBSON,
Borough Engineer & Surveyor. 2838

75, Union Street,
Oldham.

CITY OF STOKE-ON-TRENT
CITY ARCHITECT'S DEPARTMENT
ARCHITECTURAL ASSISTANTS are invited to apply for appointments on Grade A.P.T. II (£765-£880).

Applicants must have passed the Intermediate R.I.B.A. Examination and be studying for the Final Examination. Commencing salary in accordance with qualifications and experience.

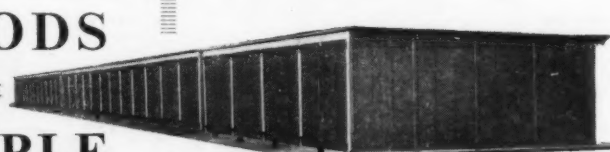
Applications should be forwarded to J. R. Piggott, T.D., F.R.I.B.A., City Architect, Kingsway, Stoke-on-Trent, by Wednesday, 7th September, 1960.

HARRY TAYLOR,
Town Clerk. 2836

METROPOLITAN BOROUGH OF
CAMBERWELL
ARCHITECTS

Vacancies for Architects in the Borough Architect's Department within a salary range of £205 and £1,420 (Grades A.P.T. II to V of the National Scales). Grade and commencing salary according to qualifications and experience. The work of the department includes design and construction of public buildings, housing estates, including multi-storey construction. Application form from Town Clerk, Town Hall, S.E.5. Closing date Monday, 12th September, 1960. 2912

CAWOODS
QUALITY CONCRETE
MULTIPLE
GARAGES
A GOOD INVESTMENT



Full details
and prices
on application
to:—

Planning Dept. **CAWOODS, WEST DRAYTON, MIDDLESEX**
West Drayton 3691

Any size
of battery.

Simple
and economical
to erect.

Easily adaptable
to make a store
or a
small building.

Well designed
and made from
first class
concrete.

Cawoods batteries of garages are available with either horizontal or vertical panels and in buff or normal concrete finish.

ARCHITECTS AND QUANTITY SURVEYORS
Donald Gibson (Director General) and James Nisbet (Chief Quantity Surveyor) invite you to apply for an appointment in the newly formed **WORKS DIRECTORATE** of the WAR OFFICE at Chessington, Surrey, where there are over 150 vacancies for Architects and Quantity Surveyors.

There is now a unique opportunity to re-accommodate the army and the intention is to focus the best architectural and allied skills on the needs of the modern technical soldier. The work will comprise living accommodation, messes, clubs, offices, technical and educational buildings, hospitals, and everything that is necessary to accommodate the soldier and his family in peacetime. Warlike installations do not form part of the programme.

Whilst most of the design work and preparation of contract documents is done at Chessington, work overseas provides the opportunity for travel, particularly during preliminary and supervisory stages of the work.

Working conditions include 3½ to 5 weeks' leave a year in addition to public holidays. ARCHITECTS are organised in small self-contained teams, each being fully responsible for design, construction and management of projects. Within the team, responsibility is delegated to job architects, in rotation. Teams study user needs at first hand and are briefed to produce buildings that are both practicable and imaginative. There is no limit to the opportunities presented to progressive architects.

QUANTITY SURVEYORS are similarly organised in small self-contained teams on a fully professional "practice" basis, each team being responsible for estimating, cost planning, preparation of bills of quantities, valuations and settlement of final accounts for all projects assigned to it. Team Leaders have the responsibilities of partners in private practice. There is an approved training programme designed to help young surveyors studying for their examinations and a copy of this programme will be sent to you on request.

YOUR FUTURE—The work of the Directorate embraces all aspects of the architects' and quantity surveyors' profession on a large and varied programme. The aim, whether you are qualified or unqualified, is to provide you with experience that will command a premium in public service or private practice at any time in the future. If you wish to make the public service your career there will be opportunities for pensionable appointments with transfer of existing superannuation where possible.

Salaries
(i) Senior Grade, £1,840 to £2,120.
(ii) Main Grade, £1,325 to £1,780.
(iii) Basic Grade, £825 to £1,300.
(iv) Technical, £660 to £1,115.
(v) Trainee Architects, £615 to £745.
Chartered architects and quantity surveyors only will be eligible for posts (i) to (iii). Post (iv) is for quantity surveying assistants only. Post (v) is for trainee architects who have not yet taken their professional practice examination. Architects should write to Mr. D. E. E. Gibson, C.B.E., F.R.I.B.A., and quantity surveyors to Mr. J. Nisbet, F.R.I.C.S., War Office, Chessington, Surrey, giving full details of your qualifications and experience and stating the grade for which you wish to apply. You may apply at any time.

BOROUGH OF HARROW
Requires the following staff for employment on work of a varied nature in the Borough Engineer and Surveyor's Department:—

(a) **SENIOR ARCHITECTURAL ASSISTANT**, Special Grade (£830 to £1,115 per annum).
(b) **ARCHITECTURAL ASSISTANT**, A.P.T. Grade I (£625 to £805 per annum).
Commencing salaries in accordance with qualifications, age and experience.

The Council is not prepared to provide housing accommodation but a contribution towards removal expenses will be considered.

The appointments will be subject to the Local Government Superannuation Acts and the National Joint Council's Scheme of Conditions of Service.

Application forms obtainable from me, to whom they should be returned by 10th September, 1960.

D. H. PRITCHARD,
Town Clerk.
Harrow Weald Lodge,
Harrow, Middlesex. 2837

CITY OF CARLISLE

Applications are invited from Qualified ARCHITECTS to work on an interesting building programme. There are three posts which offer scope for initiative and imagination and an opportunity to carry a project through from sketch design to completion. Salary range A.P.T. IV £1,065—£1,220 per annum. Housing accommodation considered. Application forms together with further particulars can be obtained from the City Engineer, 13, Fisher Street, Carlisle, to whom applications should be sent by 5th September, 1960.

H. D. A. ROBERTSON,
Town Clerk.
2841

BRACKNELL DEVELOPMENT CORPORATION

Applications are invited for the post of **CLERK OF WORKS** in the Chief Architect's Department. Salary range £860—£1,065. Superannuation schemes, medical examination, Housing available. Apply by 6th September, 1960, stating age, when available to commence duties, experience and appointments held (with dates and salaries) and names of two referees, to General Manager (C.W.A.), Bracknell Development Corporation, Farley Hall, Bracknell, Berks. 2884

COUNTY BOROUGH OF BLACKBURN
APPOINTMENT OF QUANTITY SURVEYING ASSISTANT

Grade A.P.T. IV (£1,065—£1,220)
Applications for this position are invited from qualified QUANTITY SURVEYORS (R.I.C.S.—quantities section or equivalent) having suitable experience.

Housing accommodation will be available if required.

Applications stating age, qualifications and experience, with names of two referees, to be sent to Borough Engineer, Town Hall, Blackburn, by 31st August, 1960.

FRANK SQUIRES,
Town Clerk.
2842

PETROLEUM OFFICER, A.P.T. I (£650—£805 inc.) for inspection and testing of petroleum installations, etc. Car allowance.

DRAUGHTSMAN, Salary up to £695 inclusive, according to age and qualifications.

Application forms from Borough Surveyor, Town Hall, Ealing, W.5. Closing date 9th September, 1960.

E. J. COPE-BROWN,
Town Clerk.
2871

CITY OF MANCHESTER

CHIEF ASSISTANT AND SENIOR ASSISTANT PLANNING OFFICERS required in the City Surveyor and Engineer's Department. Salaries:—

Chief Assistant Planning Officer, J.N.C. Scale "D" (£1,520—£1,755).
Senior Assistant Planning Officers, J.N.C. Scale "R" (£1,260—£1,485).

Candidates must be appropriately qualified by examination and must have had considerable experience in the Planning and Development work of a local authority.

These appointments offer practical experience on large scale projects. Housing accommodation and removal expenses.

Applications stating age, education, qualifications and experience, together with the names of three referees, to the Town Clerk, Town Hall, Manchester, 2, not later than 23rd September, 1960. 2656

CITY AND COUNTY OF BRISTOL

ARCHITECTS' COMMITTEE

Applications invited for the following permanent staff appointments from applicants who have the qualification shown or equivalent qualification:—

SENIOR ASSISTANT ARCHITECTS, Special Scale (£785—£1,070 p.a.). Parts 1 & 2 Final R.I.B.A.

ARCHITECTURAL ASSISTANTS, Grade A.P.T. II (£765—£880 n.a.). Intermediate R.I.B.A.

ARCHITECTURAL ASSISTANT, Grade A.P.T. I (£610—£765 n.a.). Intermediate R.I.B.A.

SENIOR QUANTITY SURVEYORS, Special Scale (£785—£1,070 n.a.). Final R.I.C.S.

QUANTITY SURVEYOR'S ASSISTANT, Grade A.P.T. I (£610—£765 p.a.). Intermediate R.I.C.S.

LAND SURVEYOR, Grade A.P.T. I (£610—£765 p.a.). Intermediate R.I.C.S. (Land Surveying or Building Surveying Section).

JUNIOR ASSISTANTS, General Division.

Duties include assisting with surveys and generally to work under the supervision of an Assistant Architect. Preference will be given to applicants experienced in land surveying.

Starting salary in General Division at 20 not less than £370 p.a. on scale rising to £665 n.a. University School Certificate or good G.C.E. essential.

The department has an interesting and varied programme of work including the design and construction of Colleges of Art and Further Education, Secondary Schools, Markets, Baths, Libraries and redevelopment projects including blocks of dwellings up to 15 storeys. Facilities will be given for design and contract experience and good opportunities exist for men with drive and initiative to assist in works of major architectural importance.

Five-day week. Assistance with removal expenses.

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

Details and application forms, returnable by September 12th, from City Architect, Council House, Bristol 1. 2862

CENTRAL ELECTRICITY GENERATING BOARD

EASTERN DIVISION

Applications are invited for the following appointment in the Generating Department (Construction Section) at Divisional Headquarters, Cockfosters in North London.

DRAUGHTSMAN

Salary N.J.B. Class AX Scale 3, £755—£855 per annum or Scale 6, £940—£1,065 per annum. Both salary scales are inclusive of London weighting.

The commencing salary will depend upon the duties and responsibilities.

Applicants should have had experience in the preparation of working drawings, details, and specifications in connection with industrial buildings.

Applicants should have technical qualifications of Intermediate R.I.B.A. standard, and had previous office experience and a good knowledge of building construction.

Applications, quoting reference S.V. No. 1383, stating age, qualifications, experience and present position should be sent to the Controller, Central Electricity Generating Board, Eastern Division, West Farm Place, Chalk Lane, Cockfosters, Barnet, Herts, to arrive not later than 3rd September, 1960. 2861

WEDNESFIELD URBAN DISTRICT COUNCIL
ENGINEER AND SURVEYOR'S DEPARTMENT
APPOINTMENT OF DEPUTY ARCHITECT

The above appointment at a salary which will be based on two-thirds of that applicable to the Engineer and Surveyor within 30-45,000 population group.

Applicants must be qualified and have had considerable experience in Architectural duties which will include the design of house schemes and other architectural work undertaken by the Council.

The district is developing rapidly and offers exceptional experience.

The appointment will be subject to the National Scheme of Conditions of Service, the Local Government Superannuation Acts and a medical examination.

Housing accommodation will be provided if necessary, and reasonable removal expenses will be paid.

Conditions of appointment may be obtained from the Engineer and Surveyor, 29, Bolton Road, Wednesfield, Staffs, to whom completed applications should be forwarded not later than 2nd September, 1960.

J. HENWOOD-JONES,
Clerk of the Council.
2849

Council Offices,
Alfred Squire Road,
Wednesfield, Staffs.

OUNDE AND THRAPSTON RURAL DISTRICT COUNCIL

Applications are invited for the appointment of **ARCHITECTURAL ASSISTANT** in the Architect's Department of the above authority, at a salary within A.P.T. Grades I-II (£610—£880), commencing salary to be fixed having regard to the qualifications and experience of the successful candidate.

The appointment will be for a period of not less than three years.

Applicants must have a sound knowledge of building construction, able to prepare working drawings, make surveys and use a level.

Preference will be given to those who have passed or are studying for the R.I.B.A. Intermediate Examination.

Consideration will be given to the provision of housing accommodation if required.

Applications, with the names of two referees, to be sent to me by 5th September, 1960.

H. H. HASSALL,
Clerk of the Council.

Council Offices,
Midland Road,
Thrapston,
Kettering, Northants. 2843

COUNTY BOROUGH OF WEST HARTLEPOOL

BOROUGH ARCHITECT'S DEPARTMENT

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

1. **PRINCIPAL ASSISTANT ARCHITECT**, J.N.C. Scale B, £1,485.

2. **ONE SECTION ARCHITECT**, A.P.T. Scale V, £1,220 to £1,375. (Commencing salary within the grade in accordance with experience.)

Candidates for the appointments should be Associate Members of the Royal Institute of British Architects and should have had considerable experience of Local Authority work.

The appointments are subject to the Scheme of Conditions of Service of the National Joint Council for Local Authorities Administrative, Professional, Technical and Clerical Services and to the provision of the Local Government Superannuation Act.

The appointments are subject to one month's notice on either side and the successful candidates will be required to pass a medical examination.

The Council is prepared to consider the provision of housing accommodation in suitable cases.

Applications stating age, experience and qualifications, together with copies of not more than two references should be addressed to the Borough Architect, Municipal Buildings, West Hartlepool, and received by him not later than Friday the 16th September, 1960.

ERIC J. WAGGOTT,
Town Clerk.

Municipal Buildings,
West Hartlepool.
15th August, 1960. 2845

COUNTY BOROUGH OF BOURNEMOUTH

BOROUGH ARCHITECT'S DEPARTMENT

Applications are invited for the appointment of **ASSISTANT ARCHITECT**. Salary Grade Special Scale, £785—£1,070 p.a.

Successful candidate will be appointed at present salary if within the incremental scale.

Candidates are required to have passed Parts I and II of the R.I.B.A. Final or Special Final Examination.

Application forms and further particulars from Borough Architect, Town Hall, Bournemouth. Completed applications to reach the undersigned by 10 a.m., 10th September, 1960.

A. LINDSAY CLEGG,
Town Clerk.
2847

CORPORATION OF LONDON

PERMANENT STAFF

Applications are invited for appointment of a **SENIOR ASSISTANT ARCHITECT** in Building and Architectural Division—City Surveyor's Office.

Candidates must have passed Final R.I.B.A. Salary up to £1,375, point of entry dependent upon age and experience.

Applications with relevant particulars, including names and addresses of two referees to the City Surveyor, Guildhall, London, E.C.2, within 14 days.

2829

BRACKNELL DEVELOPMENT CORPORATION
Applications are invited for the post of ARCHITECT, salary range £1,163-£1,390. Applicants must be Corporate Members of the R.I.B.A. Superannuation schemes, medical examination. Housing available. Apply by 4th September, 1960, giving age, education and qualifications, experience and appointments held (with dates and salaries), and names of two referees, to General Manager (A), Bracknell Development Corporation, Farley Hall, Bracknell, Berks. 2883

STEPNEY M.B.C.
require temporary ARCHITECTURAL ASSISTANT with suitable qualification and experience for design and construction of point blocks of flats. Salary £1,110-£1,265. Apply to Borough Engineer at Municipal Offices, 227, Commercial Road, E.1. 2855

STEPNEY M.B.C.
require temporary BUILDING SURVEYING ASSISTANT with suitable qualification and experience for preparation of drawings and specifications for the improvement and conversion of residential properties. Salary £830-£1,115. Apply to Borough Engineer at Municipal Offices, 227, Commercial Road, E.1. 2856

BOROUGH OF LUTON
Applications are invited for the following appointments:
(a) SENIOR ASSISTANT ARCHITECTS, A.P.T. IV/V (£1,065-£1,375).
(b) ARCHITECTURAL ASSISTANTS, A.P.T. I/II Special (£610-£1,070).
(c) BUILDING MAINTENANCE SURVEYOR, A.P.T. II (£765-£880).

Applicants for (a) must be Chartered Architects and the point of commencement within the linked grades will be dependent on qualifications and experience. The Council reserve the right to impose a proficiency bar at the maximum of A.P.T. IV (£1,220) but will be prepared to appoint suitably experienced applicants in or progressing to A.P.T. V.

Under (b) the Council will consider applications from candidates who have completed professional training but have not passed their Final examinations. The grades within the range at which appointments will be made will depend on qualifications and experience.

For post (c) good practical knowledge essential of all aspects of the building trade, particularly maintenance of public buildings, schools and housing. Duties include preparation of estimates, specifications and supervision, and inspection of works in progress. An essential user car allowance will be paid.

Consideration will be given to the provision of housing accommodation and payment of reasonable removal expenses for all appointments.

Luton is a rapidly developing borough with a large and varied programme of capital works in hand or projected which offers exceptional opportunities of gaining experience.

Further particulars and forms of application may be obtained from The Borough Architect, Town Hall, Luton, by whom applications should be received not later than 10th September, 1960. 2873

HAMPSHIRE COUNTY COUNCIL
PLANNING ASSISTANT required for pensionable post in the South-West Area Planning Office centred at Lyndhurst. Candidates should have passed the Intermediate examination of the Town Planning Institute or other related professional body, or be studying therefor, and have had development control experience in the Planning Department of a Local Authority. A.P.T. I/II (£610/£880) according to experience and qualifications. In approved cases the County Council assist with removal and other expenses.

Applications, stating age, education, qualifications and experience, together with a copy of one testimonial and the names of two referees, should reach the Clerk of the County Council by 31st August. 2872

BOROUGH OF NELSON
JUNIOR ARCHITECTURAL ASSISTANT
Applications are invited for the appointment of a Junior Architectural Assistant in the office of the Borough Engineer and Surveyor, at a salary within the scale A.P.T. I/II (£610-£880 per annum), commencing salary in accordance with age and experience.

Applicants should have some experience of an Architect's office and be studying for the R.I.B.A. qualification.

The appointment will be subject to the National Scheme of Conditions of Service, the Local Government Superannuation Acts and to the passing of a medical examination.

Consideration will be given to the provision of housing accommodation.

Applications (endorsed "Junior Architectural Assistant") giving details of age, education, qualifications, experience and present salary, together with the names and addresses of two referees, to be received by the undersigned not later than first post on Saturday, the 3rd of September, 1960.

F. W. ROBERTS, Town Clerk. 2870

Town Hall, Nelson, 9th August, 1960.

Architectural Appointments Vacant
3s. per line; minimum 12s. Box Number, including forwarding replies, 2s. extra

SENIOR ASSISTANTS required immediately. Salary by arrangement. Theo. H. Birks, 38, Portland Place, London, W.1. LAN 7236. 1486

BOOTH, LEDEBOER AND PINCKHEARD
require ASSISTANTS in the salary range £750-£1,250. Apply 17-20, Mason's Yard, Duke Street, St. James's, S.W.1. Tel. TRAFalgar 1866. 2271

ARCHITECTURAL ASSISTANTS required in busy Bloomsbury office with varied practice. Good salary and prospects for suitable applicants. Five-day week. Write giving particulars of age, qualifications, experience, etc., to Box 910, c/o 7, Coptic Street, W.C.1. 8816

RONALD WARD & PARTNERS have immediate vacancy for ASSISTANT ARCHITECTS with initiative and some experience, for interesting, commercial, industrial and civic projects. Salaries commensurate with ability. Apply, 29, Chesham Place, S.W.1. BELgravia 3361. 5638

LEWIS SOLOMON, KAYE & PARTNERS, rapidly expanding practice require ARCHITECTS and ASSISTANTS with initiative and competence to work on major design projects in the London area. These projects include Comprehensive Development Schemes, Hotels, Schools, Offices, and Luxury Flats. Good salaries according to ability and experience, luncheon vouchers, five-day week, and excellent working conditions. Write 5, Holborn Circus Thavies Inn House, E.C.1. or telephone CITY 8811, quoting SLB in both instances. 7700

ARCHITECTURAL ASSISTANT required, with at least two years' office experience. Apply in writing to Thomas Mitchell & Partners, 20, Bedford Square, London, W.C.1. 7282

MONROE AND PARTNERS require ARCHITECTURAL ASSISTANTS of Intermediate/Final R.I.B.A. standard in their London, Watford, and Glasgow Offices for work on interesting industrial and commercial projects. Salary range £800-£1,000 p.a. Non-contributory Pension Scheme. Five-day week. Apply in writing to 32, Clarendon Road, Watford. 8609

ARCHITECTURAL ASSISTANT, about Intermediate standard, required for general practice in North Devon Office. Pension scheme. Box 9744.

£1,000/£2,000 p.a. will be paid to experienced competent ARCHITECTS by a private practice in the City of London. The work will be primarily on the drawing board on new and interesting projects of magnitude. A high standard of design and detailing ability is required. Please apply in writing to Box 9360.

NORTH & PARTNERS, Chartered Architects, Broadway, Maidenhead, require additional ARCHITECTURAL ASSISTANTS for widespread and varied practice. Salary range £750-£1,250 p.a. 1890

ARCHITECTS and ASSISTANT ARCHITECTS required for interesting commercial, industrial and civic projects. Responsibility and initiative encouraged. Five-day week, good salary commensurate with ability and experience. Ronald Ward & Partners, 29, Chesham Place, S.W.1. BELgravia 3361. 9246

BASIL SPENCE & PARTNERS require qualified and experienced ARCHITECTS to fill positions of responsibility on a major building programme. Write to 48, Queen Anne Street, W.1. stating experience and salary required. 9824

INTERMEDIATE to Final ASSISTANTS required immediately. Salary according to ability and experience. Theo. H. Birks, 38, Portland Place, London, W.1. LAN. 7236. 9739

WEST END OFFICE requires ASSISTANT ARCHITECTS of Final and Intermediate standards for interesting industrial projects in Home Counties. Good salaries offered to men with initiative and ability. Bonus Scheme, five-day week, holiday arrangements honoured. Box 2039.

ARCHITECTURAL ASSISTANTS required, salaries £600 to £1,000. W. Leslie Jones & Partners, 8, Acrefield, Bolton, Lancs., and 241A, High Street, Poole, Dorset. 2454

LEICESTER-SENIOR ARCHITECTS and ASSISTANTS required for general practice. Appropriate salary paid. Five-day week. Apply by telephone or in writing for an interview to Herbert. Son & Sawday, 18, Friar Lane, Leicester. Tel. 56476. 2413

INTERMEDIATE to Final standard. Design-conscious expanding practice engaged large scale commercial projects requires ARCHITECTURAL ASSISTANTS with initiative and perspective ability. Good salaries according to capabilities. Five-day week. L.V. Raymond Spratley & Partners, 9, Hertford Street, Park Lane, W.1. GRO 1532. 2338

ARCHITECTURAL ASSISTANT, qualified or unqualified, with practical experience, required for busy, interesting and varied practice. Salary up to £1,000. Box 2247.

ELIE MAYORCAS requires ARCHITECTURAL ASSISTANTS, preferably with some office experience, for interesting work. Write, giving particulars of architectural education and experience, and salary required to: 13, David Mews, Baker Street, W.1. 2214

ASSISTANT ARCHITECTS. Good salaries, five-day week, luncheon vouchers, and other benefits available to capable Assistant Architects of all grades. Reply stating age, experience and qualifications to Box 2570.

CROYDON. Varied and interesting experience offered in progressive and growing practice to SENIOR and JUNIOR ASSISTANTS. Holiday arrangements respected. Five-day week. Please write or telephone: L. A. Macintosh & Haining, A./R.I.B.A., 33/35, High Street, Croydon. CRO 8780/9992. 2462

OSCAR GARRY AND PARTNERS have immediate vacancies for Senior and Junior ASSISTANTS for work on major design projects. Good salary, luncheon vouchers, travelling expenses. Apply: 66 Gloucester Place, W.1. WELbeck 2507. 210

£850-£1,400. ARCHITECTURAL ASSISTANTS with imagination and designing ability required to assist with large and important new developments in the central London Area. Telephone or write-Trehearne & Norman, Prestons & Partners, 83 Kingsway, W.C.2. HOLborn 4071. 218

DONALD ROWSWELL urgently require capable ASSISTANTS of various grades for Croydon office. Salary by agreement. Holiday arrangements honoured. Apply with full details to 5A, Friends Road, Croydon, or telephone: CROydon 4080. 184

ARCHITECTS and ASSISTANTS REQUIRED for work on interesting Industrial Project affording first class design and technical experience.

Apply in writing to: Sir William Halcrow & Partners, (B.A. Architects' Section), 47, Park Lane, London, W.1. 170

WATKINS, GRAY & PARTNERS, 57, Catherine Place, S.W.1, require SENIOR and JUNIOR ASSISTANTS for work on large hospital projects. Excellent opportunities for those seeking first hand experience in this most interesting and rapidly developing field. Luncheon Voucher and pension scheme in operation. Write giving full particulars. 158

CLIFFORD CULPIN requires experienced qualified and "post-Intermediate" ASSISTANTS to work on a wide variety of schemes including luxury flats, an office building, a comprehensive school, London banks, a town hall and a Civic Centre. Opportunities to take responsibility. Paid holiday this year. Phone CHANCERY 536 or write 39, Doughty Street, W.C.1. 188

ARCHITECTURAL ASSISTANTS required by busy Architect's Dept. of large multiple firm. Applicants should be experienced in preparation of working drawings and details. Good salary and prospects to suitable applicants. Five-day week. Pension Scheme and canteen facilities. Apply Box 1947.

F. W. WOOLWORTH AND CO. LIMITED ARCHITECT'S DEPT. KING STREET, DUDLEY WORKS.

REQUIRE ASSISTANTS of Final standard in their Architect's Dept. for interesting development programme in multiple stores. Applicants must have previous experience in preparation of working drawings and details. Starting salary depending on qualifications and experience.

The positions are permanent and pensionable Good working conditions. Five-day week. Canteen facilities. 194

SENIOR ASSISTANT required by Hasker & Hall, L./R.I.B.A., in their office in Warwickshire. Good salary, with scope for initiative and responsibility. Write Longdon House, High Street, Knowle, or telephone Knowle (Birmingham) 3502. 216

SIR GILES SCOTT, SON & PARTNERS require ARCHITECTURAL ASSISTANT, qualified or unqualified, with practical experience. Interesting and varied practice. Salary up to £1,000 plus luncheon vouchers. Write 9, Gray's Inn Square, W.C.1, or telephone CHANCERY 8387/8. 240

OPPORTUNITIES for ASSISTANTS in newly formed practice with wide interests. Hyde Park Corner office. Salary £900-£1,100. Summer holiday by arrangement. BEL 6595. 250

VACANCIES in leading Bristol Office for all grades of qualified ARCHITECTS and ARCHITECTURAL ASSISTANTS. Modern approach to design essential and considerable freedom of expression allowed. Salaries from £250 to £1,500 according to ability and experience. Outstandingly good working conditions, five-day week. Annual bonus; contributory pension scheme. Existing holiday commitments honoured. Apply giving particulars of age and experience to W. H. Watkins, Gray and Partners, 8, Colston Avenue Bristol 1. 259

ARCHITECTURAL ASSISTANT required R.I.B.A. Intermediate standard with some office experience. Varied and interesting work. Five-day week. Good salary for keen and competent person. William Crabtree, F.R.I.B.A., 1, Robert Adam Street, W.1 (WELbeck 9909). 252

ARCHITECTURAL ASSISTANTS required. Salary £1,150-£1,250 per annum according to experience. Glasgow Office. Five-day week. Schools, housing, re-development, etc. State full experience. D. Harvey & A. Scott, 2, Lynedoch Place, Glasgow, C.3. 263

YOUNG experienced resident ARCHITECT required for office in British Guiana. Mence & Moore, A./L.R.I.B.A., 24, Cranbourn Street, W.C.1. 270

SIR JOHN BURNET, TAIT & PARTNERS have vacancies for **ARCHITECTURAL ASSISTANTS** of all grades. Salaries ranging from £1,000 to £1,500 per annum. Luncheon vouchers. Pension and Medical schemes (non-contributory). Telephone **LANGHAM 3826** for appointment. 2113

ARCHITECTURAL ASSISTANT required, able to work on own initiative, varied practice, small office, opportunity for advancement. Write or phone: Nicholson & Rushon, 2, New Square, Lincoln's Inn, W.C.2. Holborn 2095. 2345

A PROGRESSIVE and expanding building and civil engineering organisation requires the services of an **ARCHITECTURAL ASSISTANT** in their Housing Division. Applicants should be experienced in the design and execution of working drawings in connection with Housing and Flat Development Schemes. Permanent and progressive position. Pension and Luncheon Voucher Schemes. Salary according to ability and experience. Write or phone **Percy Bilton Ltd.**, Bilton House, 54-58 Uxbridge Road, Ealing, W.5. Tel. **BALING 7777**. 2068

SEELY AND PAGET, 41, Cloth Fair, E.C.1. Experienced **ASSISTANT** (2 or more years) needed. Education at least to Intermediate R.I.B.A. standard. Luncheon voucher scheme in operation. Your holiday arrangements respected. Pay according to qualifications. Annual salary review. General varied practice. Easily accessible office in quiet part of City. Telephone **MET 8511** or write to above address. 2675

ARCHITECTURAL ASSISTANTS required. Starting salary £200-£900 per annum. Glasgow office. Five-day week. Schools, housing, development, etc. State experience. **D. Harvey & A. Scott**, 2, Lynedoch Place, Glasgow, C.3. 2530

GRENFELL BAINES & HARGREAVES require **ARCHITECTS** in the **DERBY** office and will offer: Salaries up to £1,500 per annum according to qualifications, ability and experience. Salary scales with increments reviewed annually ensuring excellent prospects. Overtime paid in cash or additional leave at basic rates. Five-day week. Pension scheme. Applications to **P. T. Rennison and G. L. C. Bosser Associates**, **GRENFELL BAINES & HARGREAVES**, **MARTINS BARK CHAMBERS**, **MARKET PLACE, DERBY**. Phone Derby 40128. 2616

WILLIAM RYDER requires keen **ASSISTANT** of post-Intermediate standard to work on multi-storey flats, or shop and office developments. Five-day week. Apply in writing to 21, Bruton Street, Berkeley Square, W.1. 2593

W. S. HATRELL & PARTNERS invite applications to fill the following vacancies in **COVENTRY, LONDON** and **MANCHESTER**.

(a) Fully qualified architects with some years' office experience to work on a wide range of contracts, including a large Central Redevelopment Scheme; Television Studios; Schools; Church; Licensed premises; Factories; Office Blocks; Shops, etc. Applicants must have good design sense and first-class knowledge of construction and administration and be capable of controlling junior staff. Salary within the range £1,000-£1,500 depending on ability.

(b) Assistants of Intermediate to Final Standard, capable of preparing full working drawings, specifications, etc., under supervision and of taking responsibility for smaller contracts. Salary within the range £750-£1,000 depending on experience and ability. Salaries reviewed annually. Pension Scheme. 5-day week.

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**ASST. ARCHITECTS
JUNIOR ASSISTANTS**

Wide variety of interesting projects both here and abroad; including Schools, Offices, Laboratories, Factories, Power Stations and Military Establishments.

Please write or telephone:—
Romney House, Turlton Street, S.W.1. **ABBEY 6311**. 2678

FIRST ASSISTANT required to help two busy partners and secretary. Intermediate or recently qualified. Ring **HOLBORN 5101**. 2607

ARCHITECTURAL ASSISTANTS of all categories required for busy City office engaged in industrial and commercial work. Good working conditions. 5-day week, luncheon vouchers. Salary by arrangement. Please contact **Eric Firmin & Partners**, **Thames Inn House**, Holborn Circus, E.C.1. Tel.: City 8811. 2692

WIMBLEDON. **ARCHITECTURAL ASSISTANTS**. Intermediate or above, required by London Architect moved to pleasant office near common and increasing staff. Five-day week, no town traveling. Interesting work in England and Nigeria. Write or telephone **J. E. K. Harrison, F.R.I.B.A.**, Eagle House, High Street, S.W.19. **WIM. 4244**. 2645

BRYAN & NORMAN WESTWOOD & PARTNERS require **ASSISTANT ARCHITECTS**. Please apply to 21, Suffolk Street, S.W.1. **TRAFALGAR 4411**. 2914

CITY OFFICE requires **ASSISTANTS** for industrial and commercial work. 5-day week, luncheon vouchers. Salary £1,200 p.a. 2691

ARCHITECTS are invited to apply to **George, W.2**. Various projects in hand include hospital and office development, university library, shops, interiors, schools and housing. Please write stating qualifications and salary required. 2669

SENIOR ASSISTANT aged 27/34 required in Architects' Dept. of large Building & Civil Engineering organisation (West End Office). Work at home and abroad. Please write giving full details to Chief Architect, Box 2670.

ARCHITECT'S DEPT. of Building and Civil Engineering organisation requires newly qualified or qualified **ASSISTANT** with some experience. London Office, 5-day week and luncheon vouchers. Write stating age, experience and salary required to Box 2671.

C. H. ELSOM & PARTNERS require Senior and Junior staff. The posts offer long term prospects and the opportunity of experience in all facets of Architectural work in a large office. 10 Lower Grosvenor Place, London, S.W.1. Tel. **VIC 4304**. 2688

ROBERT MATTHEW AND JOHNSON require **STAFF** of Intermediate standard in their London office to work on a very important project. Apply in writing to 24, Park Square East, London, N.W.1. 2641

ASSISTANT, qualified or nearly, with experience, required for **ARCHITECTS' CO-PARTNERSHIP**. Varied interesting work. Write 44, Charlotte Street, W.1. or phone **LANGHAM 5791**. 2650

ASSISTANTS required urgently in busy West End practice, offering excellent opportunities for gaining all-round experience. Write, stating experience, to Box 2657, or telephone **MAYfair 3112**.

F. W. WOOLWORTH & CO. LTD.
KENSINGTON OFFICE
ARCHITECTURAL ASSISTANTS AND DRAUGHTSMEN required.

FIVE-DAY week, pension scheme, dining-room facilities, holiday arrangements honoured. Good salaries according to age and experience. Apply Staff Architect, giving age and experience, 26/40, Kensington High Street, W.8. 2658

ARCHITECT requires **CHIEF** or **SENIOR ASSISTANT** for interesting work including shops, offices and schools. Apply in writing, stating age, experience and salary required, to **Roff Marsh, F.R.I.B.A., M.T.P.I.**, 125/7, London Road, Chelmsford. 2702

SMALL progressive and contemporary **London** office with staff of four requires **SENIOR ASSISTANT**. Good opportunity for person who wishes to gain experience in all aspects of a varied practice. Also very interested in Intermediate to Final Assistant with experience. Good salary to right people. Box 2708.

SIR GILES SCOTT, SON & PARTNER require a **SENIOR ASSISTANT** with good general experience in practical supervision of work and also in administration. Varied work including schools, hostels, churches, office buildings, municipal buildings, etc. Five-day week, luncheon vouchers, and salary in accordance with experience. Please apply in writing to 9, Gray's Inn Square, London, W.C.1. 2710

WEST COUNTRY general practice, within easy reach of London and the coast, wishes to increase their staff as follows: (a) **ASSISTANT ARCHITECT**, preferably qualified, for work on all stages of new medium sized contracts under direct supervision of partner. (b) **ARCHITECTURAL ASSISTANT** with particular interest in the conservation of churches and other historic buildings. (c) **EXPERIENCED TRACER**. (d) **YOUNG MAN** wishing to gain practical experience, with a view to preparation of R.I.B.A. examinations. G.C.E. with two "A" levels essential. Day release granted to attend classes. Apply to **Robert Potter & Richard Hare, F.R.A.R.I.B.A.**, De Vaux House, Salisbury, Wiltshire. 2788

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KINGSTON - UPON - THAMES.—**MALE** or **FEMALE ASSISTANT** in Architect's office. Interesting and varied work: five-day week. Apply in writing to **Donaldson & Co., Architects**, 75, London Road, Kingston-upon-Thames. 2864

A NEW design group is being formed by **West End Architects**. **ARCHITECTURAL DESIGNERS** wanted immediately who will have excellent prospect leading to senior positions in the organisation. Only people with outstanding design ability and enthusiasm should apply. There are also vacancies for Intermediate and qualified **ASSISTANTS**. Pension scheme available, holiday commitments honoured. Salary immaterial, to be agreed according to ability. Applications in writing to **H. A. Halpern & Associates**, Chartered Architects & Town Planning Consultants, Cumberland Chambers, 7, Edgware Road, London, W.2. 2746

FELIX WALTER, F.R.I.B.A., requires **ASSISTANTS** of post-Intermediate standard to fill responsible positions in expanding practice. Applicants must be competent draughtsmen with sound knowledge of construction and detailing, and keen interest in good design. Salary range £700-£850 according to ability and experience. Phone **HOLBORN 9535**, or write: 4, Raymond Buildings, Gray's Inn, London, W.C.1. 2743

ASSISTANT ARCHITECTS required to join an imaginative and busy Staff Architect's Department of a large Multiple Organisation with Head Office in Leeds. Numerous interesting projects throughout the country. Fair for shop design and detailing an advantage. Fully qualified or experienced Intermediate R.I.B.A. standard. Salary by arrangement. Apply Box 2753.

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CO-OPERATIVE WHOLESALE SOCIETY LTD., Architect's Department, Manchester, have vacancies for **SENIOR AND JUNIOR ARCHITECTS' ASSISTANTS** to work on a variety of interesting commercial and industrial projects. Five-day week. Three weeks' holiday. (Existing holiday arrangements honoured.) Pension scheme. Commencing salary up to £1,300 according to experience and qualifications. Apply in writing with details of age, qualifications and experience to: **G. S. Hay, F.R.I.B.A.**, Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester, 4. 2732

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CO-OPERATIVE WHOLESALE SOCIETY LTD., Branch Architect's Department, Nottingham, have vacancies for **SENIOR AND JUNIOR ARCHITECTS' ASSISTANTS** to work on a variety of interesting commercial and industrial projects. Five-day week. Three weeks' holiday. (Existing holiday arrangements honoured.) Pension scheme. Commencing salary up to £1,200 according to experience and qualifications. Apply in writing with details of age, qualifications and experience to: **G. S. Hay, F.R.I.B.A.**, Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester, 4. 2720

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COMPETENT ARCHITECTURAL ASSISTANTS in varying grades required in busy Westminster office engaged on office blocks, laboratories and other commercial and industrial works. Five-day week. Superannuation scheme. Full details of experience, qualifications and salary expected to Box 2726.

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A N ARCHITECTURAL ASSISTANT (A.R.I.B.A.) is required for the Architect's Staff of a large and well-established industrial Group near Birmingham. There are good prospects of long-term employment for an experienced and capable man. Please send details of experience, qualifications, age and approximate salary required to Box 2798.

ARCHITECTS AND SURVEYORS in Midlands with a country practice and wide variety of work have vacancies for an ASSISTANT ARCHITECT, a BUILDING SURVEYOR and a JUNIOR ARCHITECTURAL AND SURVEYING ASSISTANT. Salaries according to capability. Apply with full details of career and names of referees and/or references by September 7th to Box 2773.

FRED* FRANK NEEDS YOU URGENTLY.
*PHONE GUILDFORD 60235.
(*He's an unqualified assistant.) 2796

CHIEF Architect of expanding Architect's Dept. of established Building & Development Company requires SENIOR ARCHITECTURAL ASSISTANTS at new Headquarters Building in Ealing for work on Industrial and Commercial projects. Keenness and experience essential. Salary up to £1,200 per annum. Five-day week, luncheon vouchers and pension scheme available. Please state age, experience and salary required to Box 2802.

ARCHITECTURAL ASSISTANTS, industrious and with initiative, capable of sound detail design to work a five-day week at Gresse Street, W.1, or Hemel Hempstead New Town. Salaries £1,000 to £1,500 per annum. Luncheon vouchers, pension scheme for permanent staff. Interesting work from nuclear power stations to barbecues. Apply Maurice Bobb, 16-19, Gresse Street, W.1. Envelope marked "Architectural Assistants." 2775

SENIOR AND JUNIOR ASSISTANTS required for small Office with interesting and varied work. Green, Lloyd & Son, 5, Pickering Place, St. James's Street, S.W.1. Whitehall 8926. 2764

A.R.I.B.A. required. Opportunity in expanding office, interesting variety of work. Not less than five years' office experience. Evening interviews if required. Write or phone: George E. Clay & Partners, A/R.I.B.A., 198, Parrock Street, Gravesend. G'send 1401/2. 2797

ARCHITECTS
RICHARD COSTAIN LIMITED have vacancies for ASSISTANT ARCHITECTS in their London office, to design and prepare development projects overseas. Opportunities frequently arise for service abroad if desired. Candidates should have had at least three years' previous experience in general architectural practice. Final Standard or A.R.I.B.A. qualification preferred; Intermediate Standard accepted if further qualified by experience. Good salaries, working conditions and prospects. Please write to: Personnel Officer, 111, Westminster Bridge Road, London, S.E.1. 2858

WANTED: ARCHITECTS: Two ASSISTANTS required by West End Architect, Baker Street, with staff of 15. Preferably with knowledge of interior design and good at perspectives. Salary over £750 plus travel allowances. Ample outdoor duties. Write Box 2863.

ATOMS for Health. ARCHITECTS and ARCHITECTURAL ASSISTANTS interested in hospital projects for cure and treatment of cancer should apply to Lanchester & Lodge, 10, Woburn Square, London, W.C.1. Schemes approved by Ministry, one in course of construction. 2867

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A FULL TIME QUALIFIED ARCHITECT required immediately for Multi-storey Developments. Candidates must be fully experienced, and of the highest integrity and ability. Letters in first instance to: The Secretary, Bournemouth Limited, 14, Christchurch Road, Bournemouth. 2865

"SENIOR AND JUNIOR" ASSISTANTS with initiative required immediately to work on varied and interesting projects with the minimum supervision. Congenial working conditions. Excellent salaries offered for competent assistants. Write, stating age, experience and availability, etc., to Messrs. J. W. Hammond, Lloyds Bank Chambers, Main Road, Gidea Park, Romford, Essex. 2859

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ARCHITECTURAL ASSISTANTS required in busy modern Knightsbridge office of large Commercial Company. Salary range £900-£1,000 p.a., plus Cost of Living and annual bonus, pension fund, five-day week and L.V's. Tel.: KNI: 8321 Ex. 13. 2853

EDINBURGH. Qualified ASSISTANT required immediately for small expanding practice. Please write giving details of age, experience and salary required to Law & Dunbar-Nasmith, 54 Frederick Street, Edinburgh. 2888

ASSISTANT with Office experience required in busy West End office engaged in various interesting projects. Apply to Messrs. DALGLISH & PULLEN, F.R.I.B.A., 23 Old Bond Street, London, W.1, stating experience and salary required. 2890

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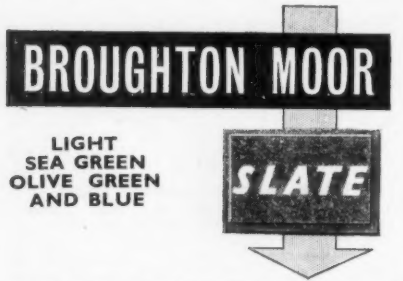
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Evide, Ltd.	5	0876

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Falk Stadelmann Co., Ltd.	53	0214
Flexaire, Ltd.	38	0227

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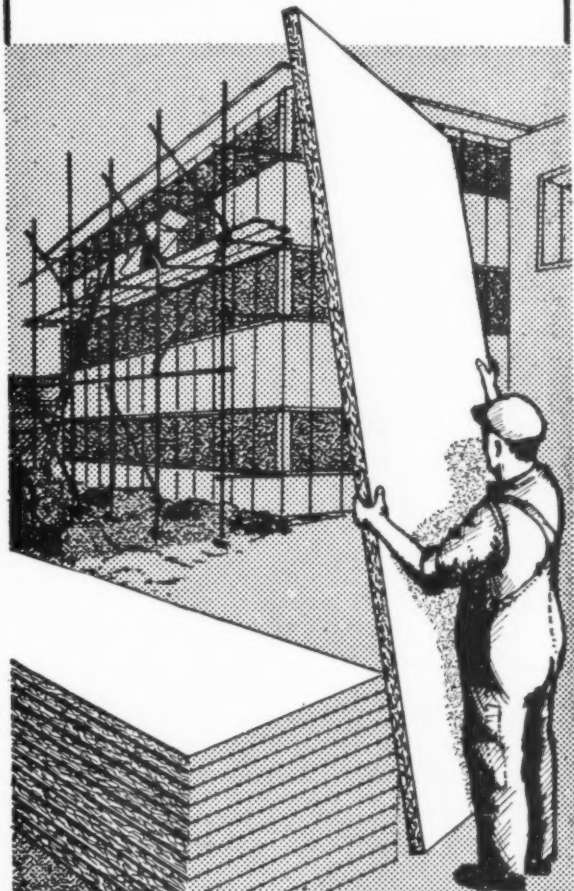
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